

Other

Yu-Ying Ting

From: Lael <lael.stabler@verizon.net>
Sent: Monday, August 12, 2013 3:16 AM
To: Ken Robertson
Subject: Scope of the Environmental Impact Report - Comments and Concerns

Lael Stabler
66 – 18th Street
Hermosa Beach, CA 90254
310 379-3300
Lael.stabler@verizon.net

RECEIVED

AUG 12 2013

COMMUNITY DEV. DEPT.

Questions for EIR:

Please provide an exact and detailed description of the oil and gas recovery method and process(es) to be utilized by E & B Natural Resources and/or any other entity for the extraction of any and all hydrocarbons from the properties commonly known as Hermosa Beach Uplands and Tidelands, including the use of any chemicals, substances and/or additives to effectuate or facilitate same.

How does MRS evaluate and address “grey areas?” What slant, bias or weight does MRS give to identified risks associated with the hydrocarbon recovery project?

Who will be responsible for monitoring compliance of all conditions required by the City, State Lands Commission, California Coastal Commission and/or any other agency? In other words, if the oil drilling project is approved, who will insure that E & B or any other producer does what they say they are going to do?



Natural Resources

Office: (661) 679-1700 • Fax: (661) 679-1797
1600 Norris Road • Bakersfield, CA 93308

August 12, 2013

RECEIVED
AUG 12 2013

COMMUNITY DEV. DEPT.

Mr. Ken Robertson
Community Development Director
City of Hermosa Beach
1315 Valley Drive
Hermosa Beach, California 90254

RE: Notice of Preparation of a Draft EIR
E&B Oil Development Project

Sent Via Email and U.S. Mail

Dear Mr. Robertson:

E&B Natural Resources Management Corp. (E&B) would like to provide some clarifications and comments for the Notice of Preparation (NOP) of a Draft Environmental Impact Report (Draft EIR) for the E&B Oil Development Project (proposed project). The NOP was distributed for a 30-day public review period by the City of Hermosa Beach (City) on July 11, 2013 and included a Scoping Document that utilized the Initial Study Checklist in Appendix G of the CEQA Guidelines. As a part of the NOP process, the City conducted two Scoping Meetings (one for potential responsible and trustee agencies and one for the general public). E&B appreciates the City's efforts to obtain input from the public for the preparation of the Draft EIR. As a part of this process, E&B's clarifications and comments are provided below.

E&B feels it is their responsibility to present to the City and the residents of Hermosa Beach a proposed project that is safe and well designed. To accomplish this, E&B conducted numerous technical analyses to assess the existing conditions and determine the project design. These analyses allowed E&B to develop a proposed project that would utilize the latest technology and operational advancements in order to provide an oil development project that would be accomplished safely and in an environmentally sensitive manner. The proposed project's design and the technical analyses are documented in the Planning Application that included a detailed Project Description supported by Appendices with numerous technical reports and studies.

In addition, E&B has proposed a project that utilizes the development framework and parameters permitted by the 2012 Settlement Agreement and the Conditional Use Permit (CUP) approved by the City in 1993 which is still in effect. Attachment A to the Planning Application Project Description provides a review of the proposed project's consistency with the conditions of project approval defined in the CUP.

Plant Safety and Control Systems for the Proposed Project

A key element of the proposed project's plant safety and control systems is the design of the proposed project as a closed-loop system. A closed-loop system is a design that does not allow for the venting or emitting of gases into the air as part of the normal operation of the facility. All tanks and process vessels would be connected to a vapor recovery unit and, instead of venting gases to the atmosphere, they are sent to the vapor recovery unit. Furthermore, all pressure relieving devices would also be connected to the vapor recovery unit or an enclosed ground flare. As a result, the closed-loop system is self-contained and would not allow for venting of gases to the air, even during any emergency venting of gases. Besides offering protection from venting, this would also eliminate the release of odors associated with gases.

In addition, the plant safety and control systems include a computerized safety system that would closely monitor the entire project providing early warnings, automatic corrective actions, and shutdowns, if necessary, to address any events that would be encountered. Corrective actions would be provided by a series of safety devices installed within the piping, vessels, and tanks along the entire system. Redundancy (double and triple in some cases) would be built into the system to provide an extra level of protection, ensuring there would be a backup for each safety device. Each device would be strategically placed to provide early warning, corrective action, or shut down of a specific segment of the system or the entire facility, if necessary. For instance, isolation valves would be used to shut in areas of the facility during an emergency situation. The isolation valves would be automatic and have a quick response time in order to limit any potential release. Isolation valves would be automatically shut down when either a loss of pressure in a particular segment of the plant is noted or when there is an increase in pressure. Automatic shutdowns would also be installed that can terminate all facility production and shut off flow from producing wells. These shut downs would close off the process from the source and help prevent a larger release. The isolation valves would be installed to limit any potential releases that may occur.

All safety devices would be tested on a regular basis by qualified operators and audited by the regulatory agencies. Highly trained operators would be onsite 24 hours per day, seven days per week, to monitor all aspects of the proposed project's production process. A detailed discussion of the plant safety and control systems is provided in the Planning Application Appendix A.

During drilling, the Blowout Preventer (BOP) would include four remote-controlled, hydraulically operated BOPs consisting of an annular BOP, two BOPs equipped with pipe rams, and one BOP equipped with blind-shear rams. The blind-shear rams must be capable of shearing the drill pipe that is in the hole. The BOP stack and drilling program would be evaluated by a third-party professional engineer. The professional engineer would verify that the BOP design is appropriate for the drilling program and the expected reservoir pressures. The professional engineer would also inspect the BOP to verify that there is no existing damage. There would be an independent third-party verification and supporting

documentation that show the blind-shear rams installed in the BOP stack are capable of shearing any drill pipe (including workstring and tubing) in the hole under maximum anticipated surface pressure. The documentation must include actual shearing and subsequent pressure integrity test results for the most rigid pipe to be used and calculations of shearing capacity of all pipe to be used in the well.

Additionally, the proposed project would be an onshore oil and gas production facility and would comply with all associated onshore design standards and regulations. However, in order to improve safety and environmental protection, E&B has proposed that the project would have further proposed enhancements based on offshore operation and equipment practices that are above and beyond the requirements of an onshore facility. These proposed project enhancements are discussed in Attachment H to the Responses to the Requested Clarifications submitted to the City on June 24, 2013.

Updated Quantitative Risk Analysis for the Proposed Project

In order to evaluate the effectiveness of the proposed project's plant safety and control systems, E&B hired Bercha International, Inc. (Bercha) to prepare a Quantitative Risk Analysis (QRA). The QRA was submitted to the City in July 2013. Bercha had previously prepared for the City the Risk Analysis for the Macpherson project in 1998. The 2013 QRA assesses the acute public safety and environmental risks in the vicinity of the proposed project including the off-site pipelines. Based on the 2013 QRA, E&B believes that the plant safety and control systems substantially improve the safety of the proposed project as compared to the Macpherson project.

Monitoring Programs for the Proposed Project

In addition to these plant safety and control systems, the proposed project addresses safety and reduces the environmental effects of the construction and operation of the oil development project through the implementation of monitoring programs that are incorporated into the operational practices and design features of the proposed project. The monitoring programs would ensure that the operational practices and safety systems would be in place for the life of the proposed project. These monitoring programs, which are summarized below, are described in detail in the technical reports and studies provided in the Appendices to the Planning Application:

- *Air Monitoring Plan* would provide for the monitoring of hydrogen sulfide and total hydrocarbon vapors throughout the project site. Monitors installed within and at the perimeter of the project site would provide automatic alarms audible or visible to the operator that would be triggered by detection of these substances (refer to Planning Application Appendix C).
- *Odor Minimization Plan* would address the potential sources of odors from all equipment, including wells and drilling operation, and provide measures to reduce or eliminate these odors (refer to Planning Application Appendix C).
- *Subsidence Monitoring Program* would monitor potential subsidence as a result of drilling activities with triggers (or action levels) for operational reviews and

changes should subsidence be observed. The program would ensure that subsidence would not occur to the degree that it could endanger the facility, surrounding properties and structures, and the shoreline (refer to Planning Application Appendix H).

- *Induced Seismicity Monitoring Program* would monitor seismic activity in the area that might result from drilling activities. If activity is detected and the overseeing agencies consider it necessary, the project operations would be modified or ceased (refer to Planning Application Appendix H).
- *Noise Monitoring Program* would be conducted under the supervision of an independent certified acoustical engineer prior to drilling, during each phase of drilling, and during the production phase of the proposed project. Noise level data and any exceedance of standards would be identified and additional noise control measures required (refer to Planning Application Appendix J).
- *Quiet Drilling Mode Plan* would be implemented during drilling in the nighttime hours through the provision of engineering noise control measures and administrative noise control measures to minimize noise (refer to Planning Application Appendix J).

Clarifications to the NOP Scoping Document

E&B submits the following clarifications to certain statements in the Scoping Document that accompanied the NOP:

Page 26, item e. The discussion provided seems to indicate that the provision of the well cellars would reduce odors related to oil and gas production on the project site. However, it would be the design of the proposed project as a closed-loop system that would eliminate odors as a result of processing fluids and gases at the facility. Refer to the discussion of the proposed project's closed-loop system design provided above.

Page 45, items a, b, c, and d, third paragraph. The discussion states truck traffic as a result of the proposed project would increase by as many as 36 truck trips per day along selected routes during Phases 2 and 3 of the proposed project. As discussed above, the proposed project would be consistent with the 1993 CUP. In compliance with Section 6, Vehicle Traffic and Circulation On and Off Site, of the CUP, the number of truck trips as a result of the proposed project would be limited to a maximum of 18 round trips per day (which would also be 18 trucks into the site and 18 trips out of the site or 36 total truck trips per day). Refer to Table C - Project Trip Generation Estimates, on page 19 of the Traffic Impact Analysis provided as Appendix M to the Planning Application for the explanation of the number of truck trips generated during the peak activities for each phase of the proposed project.

Page 40, item c. The discussion states that water drainage could potentially impact erosion or siltation on or off-site. For a discussion of storm water collection on the project site, refer to the Preliminary Standard Urban Stormwater Mitigation Plans

Mr. Ken Robertson
August 12, 2013
Page 5 of 5

(SUSMPs) prepared for Phases 2 and 4 of the proposed project that were provided as Attachment F of the Response to the Planning Application Completeness Review submitted to the City on April 11, 2013. As discussed in the SUSMPs, no surface runoff from within the perimeter fencing during Phase 2 and the perimeter wall in Phase 4 would be allowed to leave the project site. Therefore, no on-site or off-site erosion or siltation would occur as a result of the proposed project.

Page 40, item d. The discussion states that the proposed project would change the drainage pattern within the project site and that this may increase the amount of surface runoff generated by the project site. It further indicates that this could result in localized flooding. As discussed above, the SUSMPs prepared for the proposed project indicate that no surface runoff from within the perimeter fencing during Phase 2 and the perimeter wall in Phase 4 would be allowed to leave the project site. Therefore, no off-site localized flooding would occur as a result of the proposed project.

Page 41, item J. The discussion states that during drilling operations, a liquid slurry of drilling "mud" would be collect on the project site within bermed basins which would be protected by impermeable membrane. Further, the discussion indicates that failure of the bermed basins could result in mudflow inundation. Page 44, third paragraph, of the Planning Application Project Description states that during Phase 2, "The drilling mud would be collected onsite in Baker Tanks (enclosed tanks that are approximately 12 feet tall by 40 feet long and hold up to 500 gallons each)." In addition, page 75, first paragraph, of the Planning Application Project Description states that during Phase 4, "The drilling mud would be collected onsite in tanks."

Page 52, items a, b, c, and e, third paragraph. The discussion states that, during drilling operations, the drilling mud would be collected onsite within bermed basins that would be protected by an impermeable membrane. As stated above, page 44, third paragraph, of the Planning Application Project Description states, "The drilling mud would be collected onsite in Baker Tanks (enclosed tanks that are approximately 12 feet tall by 40 feet long and hold up to 500 gallons each)."

I appreciate this opportunity to provide the City with these clarifications and comments for the NOP. Please feel free to contact me with any questions that you may have.

Very truly yours,



Michael Finch
Vice President of Health, Safety, Environmental & Governmental Affairs
E&B Natural Resources Management Corp.

Yu-Ying Ting

From: Craig Navin <craig.navin@gmail.com>
Sent: Monday, August 12, 2013 12:03 AM
To: Ken Robertson
Subject: Scope of the Environmental Impact Report - Comments and Concerns

RECEIVED
AUG 12 2013
COMMUNITY DEV. DEPT

Dear Mr. Robertson,

My wife and I spent many years looking for the perfect community to raise our two young boys, ages 4 and 3. Since my eldest son has acute asthma, his doctors recommended we live in a coastal city to reduce the number of visits to the ER. This past spring we were fortunate to purchase a home in Hermosa Beach.

Although many people are drawn to the city for its nightlife and surf culture, we were drawn to Hermosa Beach for the following reasons:

- 1) Safety for my children
- 2) Sense of community
- 3) Good schools
- 4) Clean air

Not surprisingly, my wife and I are very concerned about the proposed drilling at 6th and Valley, due to my son's health.

I would like to know how young children with and without asthma are going to be impacted by the increased number of heavy trucks driving down Valley and the toxic fumes emanating from the drilling site.

I strongly oppose the proposed drilling at 6th and Valley and intend to do whatever is necessary to stop drilling in this beautiful coastal city.

Sincerely
Craig Navin
624 8th Place
Hermosa Beach, CA

Yu-Ying Ting

From: Emily Hegenberger <emmyhe@hotmail.com>
Sent: Sunday, August 11, 2013 11:17 PM
To: Ken Robertson
Subject: EIR questions

RECEIVED

AUG 12 2013

COMMUNITY DEV. DEPT.

Hi Ken -

Thank you for taking our questions. I have spent many hours over the past 6 months or so trying to understand this project. I have followed meetings online, attended a few in person and read through documents. This is quite a lot of information for a citizen to weed through. How will the EIR be presented so that citizens can make an informed vote without dedicating hours to research? Hopefully the report can clarify all of the information in an unbiased and simple to follow format for citizens who cannot spend this amount of time.

My questions for the EIR:

- Is undergrounding of utilities that E&B proposes for the entire city or just near the oil drilling site? What are the environmental concerns with undergrounding? What are the environmental benefits?
- What is the evacuation plan should a disaster/spill occur? How will the schools be evacuated and to where?
- What methods are used to assure accuracy of EIR? Isn't this all just really an educated guess?
- How far outside the drilling site would drilling noise be audible and the air quality be affected? What if the wind shifts?
- How will the public stay informed on air quality?
- How will all categories of environmental impact be measured on a continual basis? i.e. will there be an air quality measurement device that links directly to a real time internet update for citizens? What specifically is the technology that will be used to monitor it?
- If there is an environmental disaster, will E&B provide housing and relocation services for affected community members? What is the reunification plan for children evacuated from the schools with their families?
- What if it affects the surrounding towns and their air quality?
- Given that our schools are outdoor campuses, what are the alternatives for our students on a poor air quality day as a result of this project? Will there be an indoor play area for our children when they cannot safely play outdoors? Will air quality be monitored at our schools as well as around town?
- There has been mention of upland sources of oil? Can additional pipelines that are not listed in the proposal be added to access additional oil sources in town?
- At what point is an environmental infraction considered significant enough to terminate the project? Suspend the project? Who would decide this? How quickly can the project be suspended? Immediately?
- How will environmental toxins be monitored and who monitors them? E & B? The city? A 3rd party?
- What degree of environmental impact is allowable per the contract?
- Will Hermosa Beach hold E&B to higher environmental standards than the state and national government do?
- Since the oil pipeline will have to go through Torrance and Redondo Beach, will those cities also have to vote to approve this project?
- How many homes will the pipeline travel under? What is the risk to those residents? What are the benefits?
- What level of emissions come from burning gas on site? Will there be an exposed flame?
- In an already taxed power grid, how will adding this project onto SCE affect power levels, brown and black outs in the area?
- How can we assure that contaminated groundwater is truly contained beyond a shadow of a doubt? Given recent extreme weather fluctuations, how can we assure a 100 year storm will not hit?

- What are the environmental risks associated with removing old refuse from under the city yard including asbestos and oil based paint?
- Will fracking or any process similar to fracking be employed in the project regardless of terminology?
- What percentage increase of pollution is acceptable within the parameters of the contract?

Thank you.

Emily Hegenberger
emmyhe@hotmail.com
310-384-2244

Date: August 11, 2013

To: Ken Robertson
Director, Community Development Department
City of Hermosa Beach

From: Lauren Pizer
518 The Strand, Hermosa Beach, CA 90254

RE: EIR and Scoping: Public Comments and Input
HAND DELIVERED on August 12, 2013

RECEIVED
AUG 12 2013
COMMUNITY DEV. DEPT.

Dear Ken,

Here is a list of items for consideration in Proposed Oil Project EIR:

Short term and long term health impacts

- including quality of life changes (lack of sleep, headache, stress...)
- Impacts on sensitive populations (children, seniors, ill) and changes/impact on current healthy population—asthma, link to oil production -
- Health issues regarding learning disabilities in children exposed to oil production facilities
- Will children have to be diverted? For how long?

Environmental: Marine Species

- Impact and Risk/Threats to mammals, sea birds, fish, tideland species, etc.
- Impact if spills occur. Impact for increased seepage. Impact of chemicals used that could migrate into environment. List/table of proposed/possible solvents, etc. that E&B has listed in proposal and their impact on wildlife/native species.
- Include special considerations regarding endangered/rare species and those that have been rescued from extinction by CA and local community. CA decades long investment in their future and long term commitment to their protection. These include the CA Brown Pelican and blue and gray whales. There are others. Note impact of spills on nesting sights for pelicans. Pollution and health impacts on marine life as well (outside of spill—eg: cancers, tumors)
- Hermosa Beach is on migration path for whales as well as many birds. Our beach is currently less impacted (less polluted) than other area beaches. Impact on beach ranking regarding “clean beach”.

Sound/Noise

- Different TYPES of sound can be tolerated at different levels. Monitoring noise levels alone is not sufficient. Time of day/night and intensity also matter.

EIR Comments/Ken Robertson

August 12, 2013

Page 2 of 2

Lauren Pizer Mains

Intensity of Development

Proposed project (30 wells+4 injection wells) on 1.3 acre. Compare to acreage of Huntington Beach (Angus) site which is on 120(+ or -) acres.

-CURRENTLY ZONED AS "OPEN SPACE". ASSESSMENTS AND MITIGATION SHOULD BE BASED ON THIS. IT IS NOT AN LIGHT MANUFACTURING ZONE (YET). It is adjacent to:

-Green Belt/Recreation Park Area

-Adjacent to a "Safe Walk to School" path

-Near a major park and playground (planning for use by special needs children)

-Near homes

-Near Community Garden

-Safety issues regarding spacing of wells and equipment.

-Lack of buffer zones vs. other states/Canada where buffer zones exist.

-Lack of proper drainage

Sour crude or sweet crude? Dangers with this.

*Thank you,
Lauren*

Please copy and deliver the following submittal
immediately to those listed under To: Thank You.

August 12, 2013

To:

Mr. Ken Robertson, Director, Community Development Department
Mr. Ed Almanza, EIR project manager for the City of Hermosa Beach
Marine Research Specialists (MRS), EIR consultant for the City of Hermosa Beach

City of Hermosa Beach
1315 Valley Drive
Hermosa Beach, CA 90254

RECEIVED

AUG 12 2013

From:

Howard Longacre, a Hermosa Beach resident.

COMMUNITY DEV. DEPT.

Re:

Submittal of comments for inclusion as public input on the "Scope of the Environmental Impact Report" that is being accomplished with respect to the application by E&B Natural Resources (E&B) for their proposed "Oil Production Project", and the city's eventual oil ballot measure.

To all concerned:

After viewing the entire "EIR scoping meeting" that occurred the evening of July 24, 2013 in city, I note that many of my concerns have already been well-expressed in various degrees by others and it is my understanding that those concerns have been documented for consideration in the "scope" of the EIR. However I would like to further emphasize some specific concerns.

But first I would like to especially thank the people who took valuable time from their lives and family to attend the "scoping" meeting, to again defend this small city from what I view as a bunch of filthy, rotten, greed-for-ethics based outsiders trying to buy off this city. Shame on these individuals who seem to believe this city is populated with easily-manipulated ignoramuses.

I have been totally disgusted with this entire matter since the day the settlement agreement was announced by the city council. I am sickened by our elected city council, that after they signed this settlement in secret, that they still claim they have no idea of how they will vote on the matter as the facts are not obvious to them as yet. And this goes especially with respect to the two councilmen, Michael DiVirgilio and Patrick Bobko. Nothing is more imperative to Hermosa Beach in the near months then to make sure Bobko is not re-elected to, what for

Proposed E&B Natural Resources Oil Production Project - EIR 'scoping' comments
as submitted for inclusion by Howard Longacre, August 12, 2013.

Hermosa Beach would be, an obscene third term. And further, serious consideration should be made to recalling DiVirgilio, the sooner the better, as the city is still to be stuck with him for two more years. These two, in my view, should not be trusted one iota.

Now with respect to consideration of the "scope" of the EIR, it was most disconcerting to right off the bat read what appeared to be very biased information in the "Notice of Preparation" (NOP).

The "Notice of Preparation's" (the NOP's) 'Section VI. GEOLOGY AND SOILS, Item-c' initially gives an answer to the important question as to whether the E&B project would;

"Be located on a geologic unit or soil that is unstable, or that would become unstable as a result of the Project, and potentially result in on- or off-site landslide, lateral spreading, subsidence, liquefaction or collapse?"

as yes, given the check-box in the NOP for said 'Item-c', that affirms that with regard to this above question, "Yes", these concerns would have a "Potentially Significant Impact."

But it is somewhat strange that the NOP then injects a viewpoint and conclusion for those very listed concerns, such as on page 32 wherein the NOP states;

"c. Potentially Significant Impact. The Hermosa Beach Project area is located in the northwest portion of the Torrance Oil Field which also includes the Redondo Beach oil field area. Nearby oil fields include the Wilmington Oil Field and other portions of the Torrance Oil Field. Historical subsidence due to oil field operations has occurred in the Wilmington Oil Field and the Torrance Oil Field, although the subsidence largely occurred before the understanding of the importance of water injection to control subsidence. A very significant amount of historical subsidence (29 feet) occurred in the Wilmington Oil Field in the 1940s through the 1960s and cracking of the land surface caused damage to structures and utilities including buildings, railroad tracks, roadways, pipelines and oil wells. However, a comparison of geology and proposed oil field management as part of this Project indicates that this amount of subsidence would not occur in Hermosa Beach (Geosyntec 2012)."

In other words, Yes, you would not expect a 29-foot sinking of the land or ocean floor level, as E&B would more than likely, long before such had occurred, been "run out of town on a rail", or have declared bankruptcy after doing anything close to that much damage to the city.

So how can such a conclusion be reached in the NOP at this early point in the EIR process and especially given the documented subsidence that occurred in Redondo Beach's 'King Harbor' just to the south of Hermosa Beach, without even talking about the Long Beach subsidence disaster?

How can any subsidence be acceptable? Subsidence, the sinking of land surface by for instance 2 inches, or even the lifting of the land surface by 2 inches, as caused by waste-water injection is without question an indication of very serious problems. There can be no acceptable movement of the land tolerated by E&B oil drilling and waste-water injection operations. The EIR must conclude, that if it is even remotely evident that subsidence could be a probable result, that the project is unacceptable to the environment.

Also, how can additional exacerbation of the potential for liquefaction during an earthquake be tolerated as a result of an E&B process that requires the injection of millions of gallons of waste-water, to be replacing the gas and oil removed from geological formations? Hermosa Beach is not a remote, uninhabited, undeveloped forest, or desert terrain area. E&B's oil and gas removal, along with their proposed high-pressure waste-water injection are to be carried out under a highly developed and concentrated affluent city, beach and surf area.

As a person possessing a degree in civil engineering, I do not understand why the "Notice of Preparation" (NOP) would attempt to prematurely downplay such a significant matter as 'subsidence' which will be of the utmost concern to the stakeholders of Hermosa Beach and which is, without question in my mind, one of the most serious aspects of E&B's proposal to remove such high volumes of oil and gas from directly under valuable homes, schools, parks, beaches, and costly city infrastructure that's been developed over the last one hundred-plus years, and not to mention under the ocean and surf break, and then to be replacing this withdrawn oil and gas with high pressure waste-water. This is pure lunacy; notwithstanding that Long Beach is now relegated to performing water-injection forever as a result of mistakes it made 60-and-more years ago. Hermosa Beach is not so hard-up that it has to remake those mistakes for some fast dirty cash and to fatten E&B's and their investors' bank accounts.

I would expect that accurate state-of-the-art elevation-monitoring for subsidence would be a requirement to be carried out continuously, citywide, and which also would need to include monitoring of the ocean floor, and need to be in all directions within and beyond the outer boundary of the drill field to an outer distance measured horizontally North, East, South, and West equivalent to twice the depth of the deepest well ports. The monitoring should be accomplished by a recognized and unbiased company, hired by the city (reimbursed of course by E&B) and with both city and citizen oversight. A matrix of monitoring-points, spaced not more than 500 feet from point to point in the North-South and East-West directions should be monitored continuously for both land-surface and ocean-floor sinking or uplift. Any subsidence or uplift recognized should result in an immediate cessation of oil and gas withdrawal until full understanding of the situation is achieved and a plan for assured mitigation is reached.

The notion of removing oil and gas and replacing same by pumping high-pressure waste-water under Hermosa Beach, a 1.3 square mile city, and under additional areas beyond the city, and also under the sea floor, an overall area that is one of the most valuable in the world, represents, in my view, the absolute height of stupidity and beyond a level of insanity by supposedly intelligent, highly educated people.

The scope of the EIR must include precisely what will need to be accomplished after this folly of high-pressure waste-water injection has been commenced, but then later ended. When oil and gas is no longer being removed, what will then be needed to occur in perpetuity? Will the drilling site be forever dedicated to having pumps pumping water under high-pressure into the earth? Will the city need to drill water injection wells all over the city to stop subsidence or to keep subsidence from occurring?

What will be the plan when an oily-water blowout or multiple blowouts occur(s) due for whatever reason, be it human, earthquake, etc., and with such blowout(s) then resulting in a great amount of water pressurization being rapidly lost, along with oily, polluted water being rapidly discharged over the city, followed by land-surface and ocean-floor sinkage triggered by the sudden loss of support from beneath? Would the lower residential and business areas of Hermosa Beach along and west of Hermosa Avenue to the Strand then be inundated by the ocean with just a few feet of land sinkage?

Additionally the proposal of burning, or flaring, i.e. combustion of toxic gasses, during any phase of this project at the proposed city yard site, as ludicrously indicated by E&B to be accomplished at the drilling site, is completely unacceptable that close to homes. Such burning, flaring, or whatever, needs to be explained and then completely banned. Combustion of toxic or any gasses at that site is beyond unacceptable.

Then the notion that a so-called 32-foot high sound-attenuation wall will be erected and then removed as mentioned by MRS in the "scoping" meeting, and again re-erected multiple times indicates to me that this will not be much of a sound wall. Further the erection, dismantling, and re-erection will be yet another outright nuisance to the city and residents. If any noise or vibration will be heard or felt as emanating from this facility at any hour that construction is not permitted in the city by regular contractors then that in my view is 100% unacceptable.

It is my understanding that there also is to be no roof over this site and thus the idea that this facility is completely contained and has a closed-loop system, much like a nuclear reactor, is apparently just so much contrived distortion of the facts that is being put out by E&B. It doesn't really seem that E&B itself really has a clue as to precisely what this project will fully entail. E&B seems to be totally focused on PR and the money spigot, i.e. how much money will flow into their pockets, and getting their foot into the door via the election.

How noise and other pollution from trucks, drilling rigs, high pressure compressors of the various types, and emergency power generation are to be controlled with so much to be happening on such a small site is most intriguing. Then also, how the potential for explosions is to be mitigated in such close proximity to homes, parks, and children is beyond comprehension.

The problem with this project appears clearly to be, that it is attempting many many times more things than it should reasonably be, and doing so within 200 feet of residences, parks,

and within a dozen feet of where children may be present at any given moment. In my view this unquestionably is greed-based insanity taken to a new dimension in the 21st century.

Please do consider in the scope of the EIR, the qualifications, and how many, if any, projects from start to successful conclusion, along with failures and mistakes, that E&B, their principals and whomever they should package and sell their rights to, have been involved, especially their projects in such close proximity to homes, parks, and children, and expensive infrastructure, and how E&B, with expiration of time, will be able to control what, to a great degree will be a difficult to control operation, given the amount of activity to be jammed onto the small city yard parcel, and given all the mitigation rules.

With time will not this E&B operation morph into an "anything goes" situation? I.e., with time, rules of a Conditional Use Permit (CUP) in Hermosa Beach seem to all but vanish until things become so egregiously screwed up that the council members themselves are being hounded.

With all due respect, clearly it will probably be impossible to mitigate this project to even reasonable levels given its location next to homes and given its tight space constraints wherein so many wells are to be drilled. It is thus absolutely unconscionable that money is being wasted ad nauseam on this nonsensical idea. Let's face it; E&B bought a "pig in a poke". That's as a result of their own lack of understanding of Hermosa Beach, which by the way will be soundly confirmed -- when and if we ever get to having the oil election. E&B should be blaming all the individuals who conned them into such a stupid deal as well as themselves. They should not blame the Hermosa Beach voters who ultimately give them a message they won't long forget when the election arrives.

It is clear that MRS is being asked to arrive at an environmental impact report (EIR) which is nothing but a can of worms, and in various respects a project that is in many ways like a "Wack-O-Mole" game. I.e., once one negative situation is mitigated, it then results in another negative situation (or mole) popping up for mitigation, and so on, and so on.

And precisely by who and how can there be any assurance that all such mitigations will be enforced when this city has had such a poor track record of enforcing much of anything against what will be a company with a willingness to expend a fortune on attorneys, as demonstrated by the entity prior to E&B's getting involved. Why would the voters of Hermosa Beach even consider getting into more of what has been a nightmare for the past 20 years given the lawyers on both sides keeping each other in endless business?

It is very clear to me that E&B will say anything, and agree to just about anything, to get its foot in the door via the election, and then once they get their foot in the door, again, exactly who then is going to pay all the attorney costs of the city to keep E&B or their successors under control.

The only way to mitigate this particular oil-drilling project is for MRS to come to the conclusion that it is simply beyond the scope of being mitigated, and when and if it gets to a vote of the

people, for the voters to maintain the ban on drilling, and to do so overwhelmingly to end this nonsense, once and for all.

There are so many more concerns I and others have, and will have, and no doubt they will all be enunciated throughout the next 15 months in various venues.

End of submittal:

To: MRS

Regarding Archaeology
in the area of

proposed E & B Natural Resource
oil drilling project.

Concerns of disturbing the area
while still being studied by
scientist and historians.
This report is being updated
and researched currently.

Thank You,
Chris Miller

310 - 308 - 3489

RECEIVED

AUG 12 2013

COMMUNITY DEV. DEPT.

A copy of this
book is submitted
and on file with
the Community
Development Dept.

RECEIVED
AUG 12 2013

COMMUNITY DEV. DEPT.

IMAGES
of America

HERMOSA BEACH



ROMANCING THE STONES:
THE WORKED STONE OBJECTS OFF THE PALOS VERDES PENINSULA,
LOS ANGELES COUNTY, CALIFORNIA

Dan E. McCaslin, Ph.D.*

James K. (Otto) Orzech#

submitted 5/86 for publication in the
Proceedings of the XVIIth Conference on Underwater Archaeology

presented: January 10, 1986

Sacramento, California

* Marine Science Institute, University of California,
Santa Barbara, California 93106

Scripps Institution of Oceanography (A-008),
La Jolla, California 92093

RECEIVED

AUG 12 2019

COMMUNITY DEV. DEPT.

ABSTRACT

Since 1975, a controversy has swirled around the presence of some 24 or more worked stone objects found in shallow water off the Palos Verdes Peninsula, Los Angeles County, California. In our files we have over 20 news items and journal papers about these objects, some quite sensational. A review of these articles reveals several interesting but unsubstantiated claims linking these objects with ancient Chinese mariners. One paper suggests that the stones represent evidence of nineteenth-century California-Chinese fishermen, while another states that they were formed naturally. Recently, a hypothesis has been put forward that the stones were used as anchors for moorings at a shore-whaling station from the 1840-1880 period. Due to the importance that these stones have taken, correctly or not, in proving ancient Chinese contact with California, and in light of the substantial controversy (and media attention) surrounding this issue, we undertook a much needed underwater survey of this site. This paper reports our preliminary findings.

INTRODUCTION

In the Winter of 1975, diving pioneers Wayne Baldwin and Bob Meistrell first discovered several large and unusual rocks while diving off the Palos Verdes Peninsula. These stones had holes bored into them, and very often through them. Many of the holes were so cleanly cut, and were so well centered through the long axes of the stones, that they clearly appeared to be man made. Baldwin and Meistrell, unable to identify either the stones' origin(s) or purpose(s), hauled several of the objects ashore to Meistrell's Redondo Dive 'n' Surf shop. To the great credit of both men, they recognized that they had found artifacts which were possibly of substantial historical interest. Over the years, both Baldwin and Meistrell have given much of their personal time and effort towards encouraging scientific investigation of the stones, and ultimately to solving their mystery.

Three major papers (Pierson and Moriarty 1980; Frost 1982; Steinman 1983) have discussed the submerged stones in considerable detail; and four hypotheses (Pierson and Moriarty 1980; Frost 1982; Bascom 1982; Chace 1983) have been proposed to explain their origin.

Pierson and Moriarty (1980) state that the Palos Verdes stones are "nautical Asian lithics" of great antiquity, and conclude that they are the remains of "a large shipwreck of Asiatic origin, probably going back several hundred years, in view of the little that is preserved. The artifacts are identified as large weight anchors with a single hole; a boom-hoist counterweight; and weight stones for compound anchors."

3

They state that the geological composition of the stones indicates that they may have come from China, and they link the Palos Verdes stones to another similar one (Pierson and Moriarty 1980: figure 1 #2) collected by the U.S. Geologic Survey in 250 meters of water near the Patton Escarpment. Their findings have been cited in the media as evidence of the pre-Columbian discovery of America by the ancient Chinese. This hypothesis even has been the subject of an "In Search Of" television show and an article in the Reader's Digest (Stuller 1983).

In view of the crucial support that these stones are said to give to the theory of ancient Chinese cultural contact with California, our conclusion was to carry out the essential archaeological "spadework" (in this case, underwater surveying and mapping to inventory and describe the objects) without which any meaningful conclusions ought not to be made. We also invited many others along on our several trips to solicit their ideas regarding the origin(s) of the stones. Dr. Frank Frost, Paul Chace and David Steinman, among many others, made their initial visits to this site as guests of the Baldwins with our research team.

Frost (1982) casts doubts upon the claims of Pierson and Moriarty. He suggests that the stones represent artifacts of the nineteenth-century A.D. California-Chinese fishermen who made frequent visits to the site which is still rich in marine food resources. Frost includes photographs of the Palos Verdes stones both on land and underwater, and presents the geological findings

that the stones "are almost certainly Monterey shale, one of the most common coastal formations in southern California."

Bascom (1982) responded to Frost (1982) with a letter contending that the stones are hard collars secreted by certain mud shrimp and burrowing worms, and thus are completely natural.

Chace (1983) has proposed that the stones represent the remnants of the shore-whaling industry of the 1840's through 1880's. According to Scammon's (1874) account of California shore whaling, "... the prize (eg. whale carcass) is then towed to the station; and if it be night, it is secured to one of the buoys placed for the purpose, a little way from the surf, where it remains until daylight, or until such time as it is wanted, to be stripped of its blubber." Chace suggests that the stones served as the anchors for these moorings. He has determined that this type of mooring buoy is employed even today by the Portuguese Azorians (Steinman 1985).

In this paper, we present our preliminary survey of the Palos Verdes site (figure 1). This is the first comprehensive inventory of the entire site with nearly all of the stones (including those still underwater) considered. We do not, however, include similar lithic material from any of a number of other known locations in southern California (Rocky Point, White's Point, and Portuguese Bend on the Palos Verdes Peninsula; Pebble Beach on Santa Catalina Island; and Wilson Cove on San Clemente Island).

that the stones "are almost certainly Monterey shale, one of the most common coastal formations in southern California."

Bascom (1982) responded to Frost (1982) with a letter contending that the stones are hard collars secreted by certain mud shrimp and burrowing worms, and thus are completely natural.

Chace (1983) has proposed that the stones represent the remnants of the shore-whaling industry of the 1840's through 1880's. According to Scammon's (1874) account of California shore whaling, "... the prize (eg. whale carcass) is then towed to the station; and if it be night, it is secured to one of the buoys placed for the purpose, a little way from the surf, where it remains until daylight, or until such time as it is wanted, to be stripped of its blubber." Chace suggests that the stones served as the anchors for these moorings. He has determined that this type of mooring buoy is employed even today by the Portuguese Azorians (Steinman 1985).

In this paper, we present our preliminary survey of the Palos Verdes site (figure 1). This is the first comprehensive inventory of the entire site with nearly all of the stones (including those still underwater) considered. We do not, however, include similar lithic material from any of a number of other known locations in southern California (Rocky Point, White's Point, and Portuguese Bend on the Palos Verdes Peninsula; Pebble Beach on Santa Catalina Island; and Wilson Cove on San Clemente Island).

THE SITE

We have been diving at the site intermittently since 1980 with the aid of Wayne Baldwin. We are the only marine archaeologists who have attempted to survey the site, and the reasons for this are not hard to understand.

There is a terrace about 175 m offshore on which many of the stones rest. The stones are scattered about in terrain that is mixed sand patches and bedrock covered by extremely heavy concentrations of kelp. (Much of this kelp was uprooted in the very harsh winter storms of January to March 1983, after our surveys, but has now grown back.) The ubiquitous kelp stipes and wave-induced surge hindered visibility (which was never better than a few meters in any case), mobility, and the all-important surveying.

Since the water is shallow (6 m) in this area and faces the open sea, there are often heavy swells moving across the site. The resultant forces are constantly working on the stone objects, and may indeed at times change their positions relative to one another. Thus, our mapping serves principally to inventory the worked stone objects within the site rather than to establish any fixed provenience. There are more stones known to Mr. Baldwin which have yet to be included in our survey, and there may well be others yet to be discovered.

The site measures approximately 40 m by 60 m, with the nearest objects to shore lying some 200 m from the berm line. Some of the objects are as much as 70 m away from each other. The depth was nearly uniform at about six meters throughout the

site. The three very large worked stones nearly a quarter of a mile from this site, discussed in Frost (1982), Chace (1983), and Steinman (1985) are not included in this survey.

The shore and shallows near the site are characterized by expanses of broken rocks and cobbles interspersed with metallic debris (cables, sheet metal etc.) and other artifacts from many eras. One small sandy beach is directly shoreward of the site. The entire shore area is beneath the high cliffs of the peninsula. At one nearby location where the sedimentary layers of the cliff fold downward, a singular line of unbroken rock points seaward forming what may be described as a "natural ramp."

FIELD METHODS

Mapping an underwater site in thick kelp and heavy surge presented some unique problems. We selected three major datum points within the site which, when mapped, formed the corners of a large (nearly) equilateral triangle with one another. From these, buoys were floated to the surface from taut lines. The range and bearing to and from each of these buoys to one another was then carefully measured at the surface. One of the buoys at datum #1 then was surveyed into land coordinates.

Each of the objects was measured underwater for range and bearing to at least one of the datum points using a compass and a tape measure. The objects also were photographed, sketched and measured underwater. The precision was impaired by the heavy surge, the low visibility and the thick kelp. All readings, drawings and measurements were recorded underwater on a slate, and later these data were transcribed into the field notebook.

We also made snorkel swims to search the shallower waters nearer to the shore, and we combed the adjacent beaches on foot.

THE WORKED STONES

The map (Figure 2) with the accompanying Table 1 establish the relative position and types of the stone objects. Of the 24 stones listed in the table, only 20 are mapped; four of these were mapped only using estimated positions. Six of the objects (P12, P13, B3, D1, D2, and D3) had been previously raised and currently are stored in the "Dive 'n' Surf" Dive Shop, Redondo Beach, California. These raised objects, along with some others we have not seen, are discussed in Pierson and Moriarty (1980). Of these, only D1 and P12 are mapped with estimated positions provided by Mr. Baldwin. The remainder are from this site, but from unknown positions. Objects P10 and P11 were too far away to be measured precisely with our equipment and are mapped with estimated positions only. All the others were mapped using the field methods described above.

There are five basic shapes in the typology of the Palos Verdes worked stones. The "pickle," "barrel," and "doughnut," so named by Mr. Baldwin, are related. We defined a "pickle" as having a length greater than its width; a "barrel" as having a length greater than half of its width; and a "doughnut" as having a length less than half of its width. The axis of the hole is always along the length. The "flatface" approximates a half-sphere with the hole perpendicular to the flat surface. The "sphere" is self-descriptive. See our figure 3, figure 1 of

Pierson and Moriarty (1980), and page 24 of Frost (1982) for drawings of many of the stones. As shown in Table 1, the "pickle" shape dominates, with more examples (13) than the other four shapes (11) combined.

Most of the objects have holes bored all the way through them, but for many this cannot be determined since they are partially buried. Others have only "starter holes." Although many of the holes are severely eroded, some retain sharp right-angle and machine-grooved features. Their orientation is often precisely through the center of the long axes.

No similar stone objects were found in the shallower waters during the snorkel swims, however four stones with apparently bored holes through them were found ashore.

CONCLUSIONS

The problem was, and remains: What ARE these objects? Who carved them? When? For what uses? We cannot yet answer these questions. The objects DO exist. Many of the holes seem clearly man-made to us since they are bored through the center of pickle-shaped stones along their long axes, and/or they have unnatural grooves and sharp angles. This conclusion, however, cannot be proven for some of the stones. Many do resemble the ancient stone anchors described by McCaslin (1983) which were found at many locations in the eastern Mediterranean Sea.

That these particular stones acted as anchors or boom counter-weights; or served any other ancient-Chinese or nineteenth-century Chinese-American nautical uses; or were the product of the shore-whaling industry; or were from any other

culture cannot be conclusively demonstrated at this time.

Pierson and Moriarty (1980) state that the stones may have originated in China, and Frost (1982) states that they are almost certainly Monterey shale from California. Gillinger (1982), who dove with our team and evaluated several samples, stated that they appear to be of fine-grained, gray, well-indurated siltstone. This type of rock could have originated in perhaps hundreds of locations in the world including some in China and some in California. The origin(s) of these particular stones probably can be determined definitively through further geological testing such as trace-element and isotopic analyses, and comparisons to natural samples from known locations. Our team hopes to carry out these additional tests as funding is found.

We now consider the idea of Chace (1983), that the stones were artifacts of the shore-whaling industry, to be both the most plausible and the most easily tested. This hypothesis, however, does not now seem to account for some of the objects such as those with only starter holes. Our future research design will include further surveying of the shore and near-shore areas adjacent to this site for other implements of the whaling industry. We also plan to search corresponding underwater sites off known shore-whaling stations for other similar stones, and to investigate other locations now known to have similar artifacts.

We hope that through this approach a definitive solution to this "mystery" will arise, and we invite interested parties to make any suggestions regarding the possible use(s) or origin(s) of these objects to the authors.

CAPTIONS

Figure 1: Site Location on The Palos Verdes Peninsula, Los Angeles County, California.

Figure 2: Palos Verdes Site Map. See Table 1 for Symbols and for Description of the Worked Stone Objects.

Figure 3: Sketches of Five (previously unpublished) Worked Stone Objects. See Figure 2 for Locations within the Site; and Table 1 for Descriptions.

A, B and C: "Pickle" Stones P1, P6 and P7;

D: "Barrel" Stone B1; and

E: "Flatface" Stone F2 with Starter Hole.

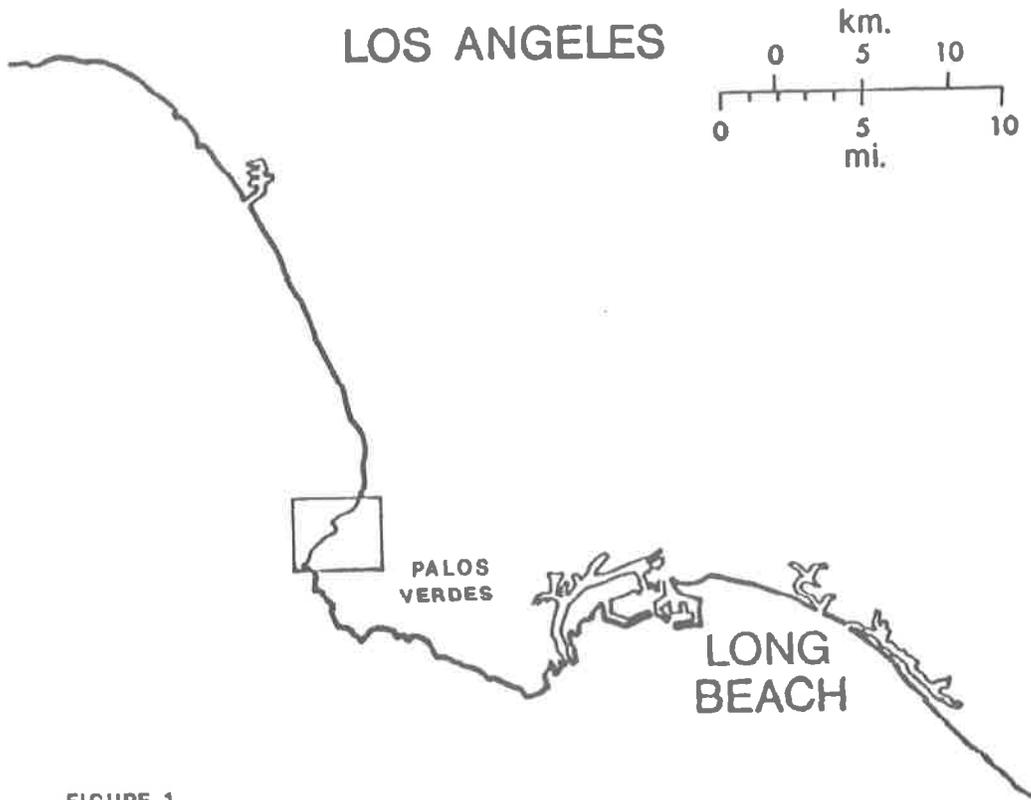


FIGURE 1

PALOS VERDES SITE

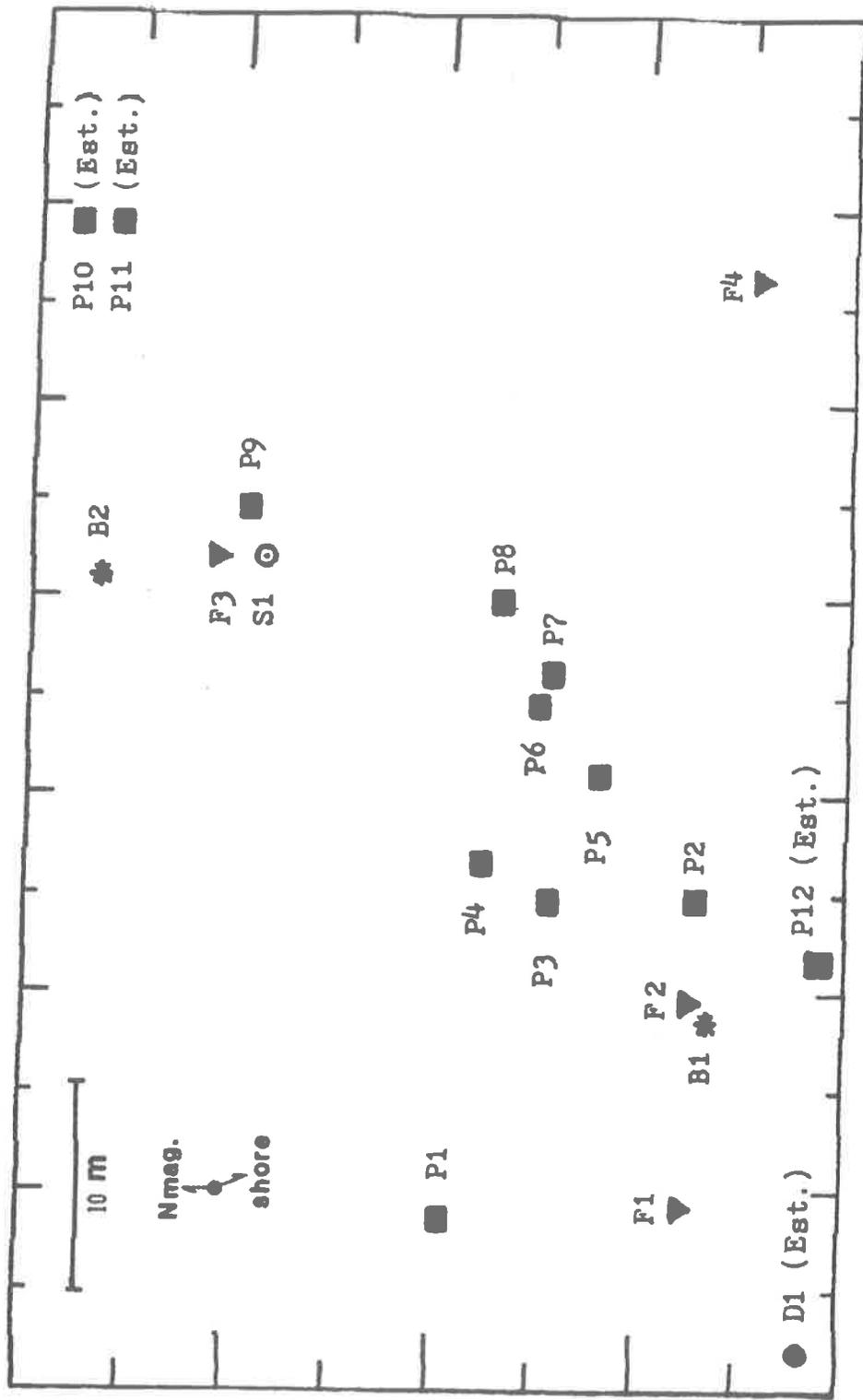


FIGURE 2

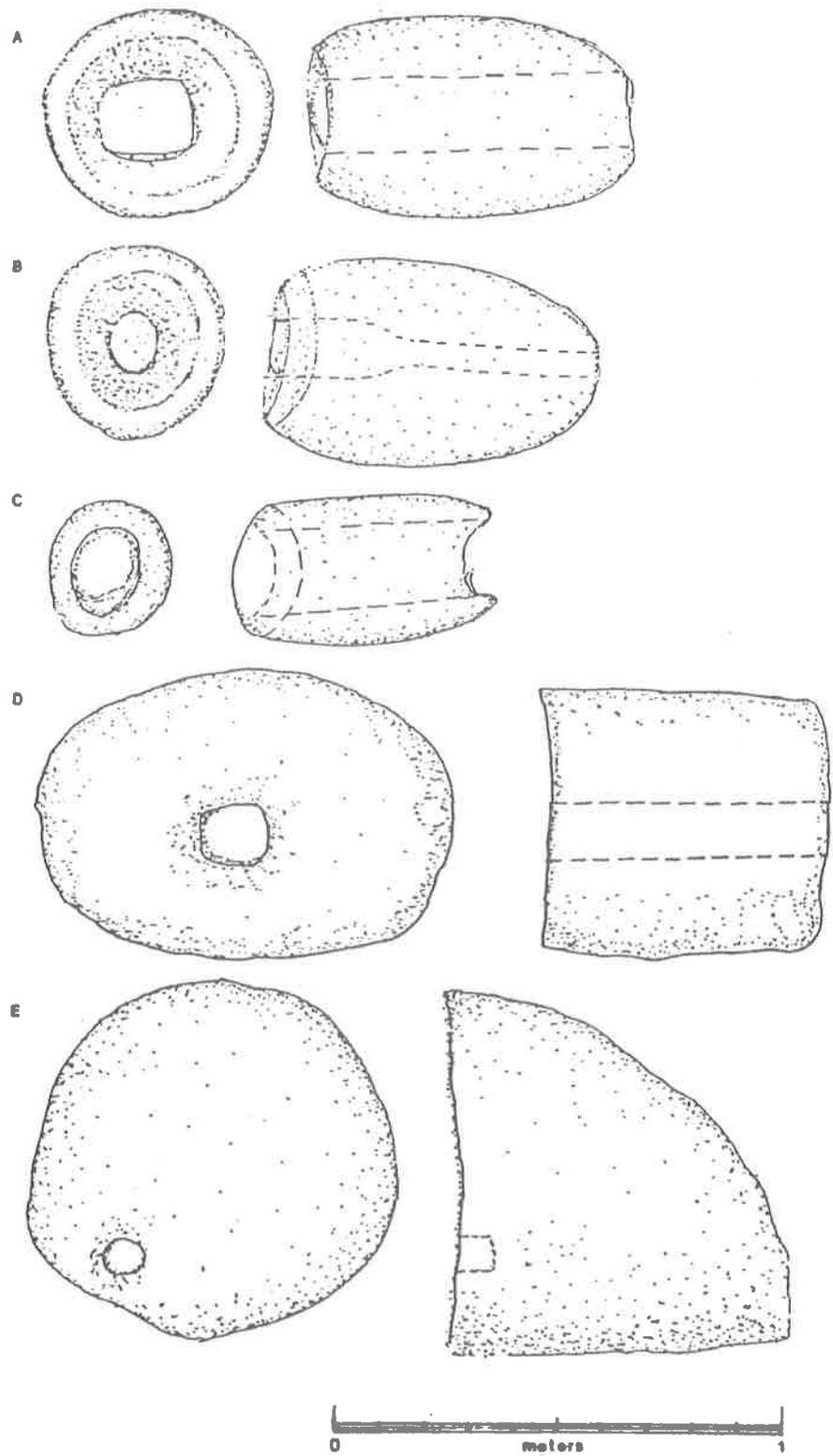


FIGURE 3

To: MRS.

Regarding seismicity
and re-injected water reports
that create concern for earthquake
activity
from.

Chris Miller

310-308-3489

RECEIVED

AUG 12 2013

COMMUNITY DEV. DEPT.

July 6, 1994

Page 3

2.0 DISCUSSION OF REFERENCE #1

This article compiles much of the data collected regarding the sequence of earthquakes that occurred in Denver, Colorado, in the 1960's. A direct correlation is demonstrated that the introduction of chemical waste fluid in a deep (3671 meters or 12,000 feet) well at the U.S. Army Rocky Mountain Arsenal triggered seismic activity. A relatively large volume of waste, peaking at an average of 21 million liters per month from October 1963 through August of 1964, was injected under pressure into the well. No pressure measurements were recorded at the well prior to injection, but the paper presents 269 bars as what was believed to be "the original reservoir pressure". At the time of the onset of the seismicity, the pressure was believed to have been 389 bars. This is approximately 145% of the "original" pressure. Further calculations using the available data determine that 362 bars appears to be the pressures at which hydraulic fracturing initiated. This leads to the following statement: "This analysis shows that, given reasonable values for the frictional and cohesive strength of the fractured rock, the basement rock at the Denver well was stressed to near its breaking strength before injection of fluid was initiated."

The paper further presents an explanation for the observed phenomenon of the continuation of seismic activity after the

RECEIVED

AUG 12 2013

COMMUNITY DEV. DEPT.

July 6, 1994
Page 4

injection of fluids had ceased. The bedrock is believed to have numerous cracks of varying lengths/strengths and the process of injection appears to have created a "pressure front" that triggered the sequential breakage of these cracks along previously unknown faults. The occurrence of three magnitude 5+ earthquakes in 1967 seem to be explained by this theory.

General geology of the injection well was 3638 meters of nearly flat-lying sedimentary rocks underlain by Precambrian crystalline basement rocks. Penetration into the crystalline rock was reported to be 33 meters. The article, however, is not clear at what depths the fluid is introduced into the subsurface. It is important to note that the article suggests that there is evidence that little seismic activity has occurred in this area since Precambrian time. Assumptions can be made, by a review of the article, that fluid was injected into the previously fractured crystalline basement rock and not the overlying sedimentary rock formations. Depths of seismic activity was measured to range between 4.5 and 5.5 kilometers in an ellipsoidal shaped northeast trending zone 10 kilometers long and 3 kilometers wide. The focal points of the seismic events were confined to the Precambrian crystalline rocks.

3.0 DISCUSSION OF REFERENCE #2

This paper relates the findings of an attempt to test the hypothesis developed by the investigation of the Denver earthquake events of the 1960's (See Reference 1 and Section 2.0). The two main reasons this experiment was performed at Rangely, Colorado, are:

- 1) An array of seismographs at Vernal, Utah, began recording small earthquakes apparently from the Rangely Field. This location was verified by the recording of 40 small earthquakes in a 10 day period by a portable array of seismographs in the vicinity of wells within the field that were and had been under high pressure waterflood conditions; and
- 2) The Chervon Oil Company agreed to permit the experiment to be conducted in a part of the field.

The experiment was designed to record seismic activity in the area during continued injection into the wells. The experiment was clearly designed and implemented with the intent to produce seismic activity. Following the injection cycle, planned to be one year, the wells would then be placed in a "back-flowing" condition (extraction). If during this period seismic activity is noted to decrease, the cycle was planned to be repeated. Through the use of more measurement controls with regard to the reservoir pressure in nearby wells, the in-situ stress, and the frictional properties of the reservoir rock, the experiment was generally designed to further narrow the predictability of a cause and effect "triggering" criteria for the causation of earthquakes through the injection of high pressure water.

July 6, 1994
Page 6

The field selected contained a flaw, however, because the production of earthquakes had already occurred at the site and therefore a true initial event with all the appropriate pressure and other parameter measurements still did not exist. The authors were aware of this shortcoming.

Since Rangely was a oil production field, certain information, which could only be assumed or "back calculated" at the Rocky Mountain Arsenal event, was available. The subsurface structural mapping and the properties of the various structural elements were more extensively studied. For this experiment, the properties of the reservoir rock, the Weber Sandstone, are an important factor in this study. The Weber Sandstone is described as "a dense fine-grained sandstone with an average low porosity of 12 percent and an average low permeability of 1 millidarcy... ". The "virgin reservoir pressure" was known to be 170 bars. Due to rapid decline of reservoir production, waterflooding began in 1957. After the occurrence of earthquakes within the reservoir, pressures as high as 290 bars (171% of virgin reservoir pressure) were recorded. Further experimentation on unfractured boreholes within the Weber Sandstone formation determined " ... 257 bars as the critical fluid pressure above which earthquakes could be triggered. Fluctuations of the pressure over time, for reasons of the experiment and also as part of oil

production within the field, demonstrated this value to be essentially accurate. It was also found that extraction from nearby wells or "shut in and backflowing" operations were effective at reducing the pressure and thereby reducing/ceasing the triggering of earthquakes.

The paper concludes that high pressure injection of fluid can cause earthquakes and hypothesized that such a technique could be utilized to release stress along faults such as the San Andreas. The authors also recognized the potential risk and expense of such an undertaking.

4.0 DISCUSSION OF REFERENCE #6

This paper studies a localized group of seismic events that occurred during the year 1971. It further attempts to correlate the events with waterflooding operations in the Inglewood, California, oil field with the nearby activity on the Newport-Inglewood Fault. Forty seven events were recorded from February through December 1971. Twenty of them are approximately located in the general area of the oil field. Magnitudes ranged from 0.9 to 3.2 on the Richter scale. A majority, according to the article, seemed to be located along the north trace of the fault complex. Five out of the sixteen events diagramed in the report appear to occur on the vertical extension of the fault trace. It is questionable whether this number would constitute a majority. Others are stated to be in an area off to the west of the fault zone. The inclusion of seismic activity 6

to 10 km distant from the oil field is probably not valid. The hypocenters are located almost exclusively in the basement rock. The water injection is exclusively in the sedimentary section above basement.

The paper concludes that all the hypocenters are located below the base of the Los Angeles sedimentary basin. If stress has been released from the sedimentary column, it is in the form of creep, or as events that are too small to be detected by the present seismometer system. The actual magnitudes of the smaller events are determined by an empirical formula rather than by a direct seismometer reading. The most shallow seismic event was at 7,700'. All the others were below 14,000 feet. The water flood operations are being carried out at a depth of 3,000 to 5,000 feet. The article's conclusion number three states that these data do not permit a definite statement regarding the causality of earthquake occurrence and oil field operations. Conclusion number four states the majority of the earthquakes occurred in the latter half of 1971, and the significance of this phenomenon is not known. The water injection was carried out during the complete year.

5.0 DESCRIPTION OF PROPOSED HERMOSA BEACH DEVELOPMENT PROGRAM

As related through Paul K. Duncan, V.P. Operations and Engineering, MacPherson Oil Company, the projected water

disposal/injection parameters are as follows:

- o The Stinnett #1 well, located in the city yard, will be converted to an injection well during the initial testing phase. If all goes as planned, a total of 5 wells will be utilized through the life of the project;
- o The maximum injection volume is designed to be 12,000 barrels/day;
- o The Stinnett #1 well is completed in the Upper Main Zone. The additional wells will be completed in the Upper Main, Lower Main, and Del Amo zones;
- o The maximum injection pressure will be less than 900 psi surface pressure (approximately 62 bars); and
- o The disposal wells will be monitored with standard industry radioactive tracer surveys annually, as required by the Division of Oil and Gas, to ensure zonal isolation.

6.0 LOCAL OIL FIELD INJECTION HISTORY AND DATA

Aproximately 15 kilometers south of the proposed Hermosa Beach injection/production facility is the Wilmington Oil Field. Water injection for the purpose of improving oil production and subsidence control has been ongoing in the field starting as a pilot program in 1955. Other local oil fields which have historically utilized water injection are the Torrance, Signal Hill, Seal Beach, Inglewood, and Huntington Beach Oil Fields. The Wilmington Field has been evaluated during the preparation of this report for comparison to the proposed Hermosa Beach project. Parameters evaluated are the volumes of water injected, rock type, the occurrence of seismic activity within the field, the depth and the magnitude of this seismic activity.

nine events originated from depths of between 10 and 15 kilometers, and one originated deeper than 15 kilometers;

- o Nine seismic events above a magnitude of 1.5 on the Richter scale have occurred in the Torrance oil field since 1972;

One of these events measured at a magnitude of 3.0 and all others were less;

One event was recorded to have originated between 0 and 5 kilometers below the ground surface, six events originated from depths of between 5 and 10 kilometers, and two events originated from depths of between 10 and 15 kilometers;

- o The Redondo Beach offshore oil field utilized injected water briefly during the early 1970's. No known seismic activity was associated with the operation;
- o There are seven seismometer sites surrounding the oil fields. One of them, the Lomita station, is directly in the center of the Torrance/Wilmington trend. Thus, accurate historical seismic data has been compiled during water injection.
- o There have been no seismically offset sedimentary rock units along the Torrance/Wilmington trend for approximately the last 1 million years. Approximately the uppermost 2,000 feet of sediments are unfaulted. Fault displacement at 4,000 feet below the ground surface is greater than 2,500 feet. This suggests that the sedimentary rocks are under limited stress and are therefore not subject to induced energy release. The basement metamorphic and crystalline rocks are likely to be under significant stress, similar to all basement rock areas of southern California.

7.0 COMPARISONS AND CONCLUSIONS

The purpose of this section is to establish opinions of comparisons between the fluid injection activities at the Rangely and Denver Arsenal facilities and the water injection oil field activities of southern California, specifically the Wilmington, Torrance, and Redondo oil fields. The Colorado facilities have been

ENVIRONMENTAL IMPACT REPORT
PROPOSED OIL PRODUCTION PROJECT
PUBLIC SCOPING COMMENTS

RECEIVED
AUG 14 2013

COMMUNITY DEV DEPT.

What environmental issues would you like the EIR to address?

Do you have other suggestions for making the EIR informative and useful?

Just look at the cancer/health issues people have around oil drilling sites.

hire a forensic acct to look at the city council.

It is way higher than these

~~that~~ This is elementary health + the environment will be negatively effected.

living "NOT" ground oil drilling sites.

Do you have questions about the EIR or the EIR process?

* This is insane to even think about!!

THANK YOU!
(optional)

Name:

Address:

Email and/or Phone:

H.B. homeowner

Raul.Seymour@gmail.com

**ENVIRONMENTAL IMPACT REPORT
PROPOSED OIL PRODUCTION PROJECT
PUBLIC SCOPING COMMENTS**

2 min youtube video presentations & clips

How will tourism ~~be~~ be affected?

(e.g. whale watching boats)

What environmental issues would you like the EIR to address?

Do you have other suggestions for making the EIR informative and useful?

★

oil/construction

1. How will influx of workers affect crime/safety during + after construction?

Consider many HB residents work from home during day and construction noise will affect productivity + concentration

Do you have questions about the EIR or the EIR process?

2. How will noise, etc. affect whales + sea life in ocean? Will it affect migration?

- Will noise mean I can't hear waves at night?
- Will submarine surf breaks be affected?

3. Will users of trail/greenbelt get asthma due to increase in dust during construction / due to increase in traffic?

THANK YOU!
(optional)

Name: Anna Cox

Address: 701 Monterey Blvd #1 Hermosa Beach, 90254

Email and/or Phone: 424-634-2448

RECEIVED

AUG 08 2013

COMMUNITY DEV. DEPT.

Consider our old apartment walls are very thin! Living in HB12 like

RECEIVED

AUG 08 2013

ENVIRONMENTAL IMPACT REPORT
PROPOSED OIL PRODUCTION PROJECT
PUBLIC SCOPING COMMENTS

Camping. I don't want any extra noise!!!

What environmental issues would you like the EIR to address?

Do you have other suggestions for making the EIR informative and useful?

1. decline of property values

2. decline of street/road quality used by trucks

3. decline of good air quality leading to asthma of players using nearby ball fields

4. What are consequences if project is halted mid-way?

5. What happens at end of project 35 yrs?

6. How will noise affect babies napping?

* Can we please have a "Trojan" mock oil rig 87 feet high on site before voting day? in order to see how scenery is affected

Do you have questions about the EIR or the EIR process?

- 1. Will noise/construction lead to nervous pets (excess barking when left home alone during day)
- 2. Lost revenue from beach volleyball moving elsewhere.

THANK YOU!
(optional)

Name: Anna Cox

Address: 701 Monterey Blvd #1
Hermosa Beach 90254

Email and/or Phone: 424-634-2448

ENVIRONMENTAL IMPACT REPORT
PROPOSED OIL PRODUCTION PROJECT
PUBLIC SCOPING COMMENTS

RECEIVED
AUG 05 2013

What environmental issues would you like the EIR to address?

THE CONGESTION ON OUR
STREETS CAUSED BY THE TRUCKS
GOING BACK & FORTH WHILE THE
PIPELINE IS BEING BUILT.

NOISE MITIGATION BY THE ADDED
TRUCK TRAFFIC. I UNDERSTAND
18 ROUND TRIPS PER DAY

ADDED POLLUTION CAUSED BY
TRUCKING OUT THE OIL DURING
PIPELINE CONSTRUCTION.

Do you have other suggestions for making the EIR
informative and useful?

WHILE ITS BEEN SAID & WRITTEN,
IT MIGHT BE ADVISABLE TO
RESTATE HOW THE SETTLEMENT
CAME ABOUT & WHY THE EIR IS
REQUIRED. IT COULD BE A

Do you have questions about the EIR or the EIR process?

SUPPLEMENT. IT MIGHT CALM
SOME PEOPLE DOWN. EMOTIONS
WERE EVIDENT AT THE 7/24
MEETING.

THANK YOU!
(optional)

Name: ANDREA VALCOURT

Address:

AVALCOURT 7781 @ ROADRUNNER.COM

Email and/or Phone: (310) 937-8974

ENVIRONMENTAL IMPACT REPORT
PROPOSED OIL PRODUCTION PROJECT
PUBLIC SCOPING COMMENTS

RECEIVED
JUL 29 2013

What environmental issues would you like the EIR to address?

NOISE AND ODORS DURING
ALL PHASES.

WILL THE EIR EVALUATE
THE OPTION OF A TOTALLY
ENCLOSED PRODUCTION FACILITY
EVEN THOUGH IT MAY NOT
BE NECESSARY TO MEET
MINIMUM NOISE AND AIR
QUALITY STANDARDS?

Do you have other suggestions for making the EIR
informative and useful?

ASK PEOPLE TO READ IT
BEFORE THEY ASK STUPID
QUESTIONS 

Do you have questions about the EIR or the EIR process?

THANK YOU!
(optional)

Name: DAN INSKEEP

Address: 79 16TH ST.

H.B. 90254

Email and/or Phone: DANINSKEEP@HOTMAIL.
310-376-9347 COM

1. What are your main concerns about the E&B Oil Production Project, if any?

Health & safety of residents and the environment

Lack of full disclosure & aggressive sales within our community
I am not sure until I see more information about the Project. (E&B + K + Bubb)

2. What environmental issues would you like the Environmental Impact Report to address?

Earthquake fault lines
Risks of toxins to humans & animals
Air, water & soil quality

3. Given the opportunity, would you attend a workshop sponsored by the City on "how to read and evaluate an Environmental Impact Report?" Yes No

4. Would you like to participate in a neighborhood "reading group" to review the Draft Environmental Impact Report when it comes out? Yes No

5. Would you consider hosting a neighborhood reading group? Yes No

If Yes, what is your Name, Phone number and Email?

RECEIVED

AUG 08 2013

6. Do you plan to attend the Public Scoping Meeting on Wednesday, July 24, from 7 to 9 PM, at the Hermosa Beach Community Theater (710 Pier Avenue)?

Yes Maybe No

The Hermosa Beach voters will make the decision whether to allow the Oil Production Project.

Do you have suggestions for making the EIR informative and useful for your decision?

Please keep E&B separate when residents come together to discuss it. Their presence at

THANK YOU! the Community Dialogue made most

(Optional) Name: people in our group

Address: uncomfortable & angry.

Thank you!

Email: _____

1. What are your main concerns about the E&B Oil Production Project, if any?

ENVIRONMENT

COMMUNITY HEALTH

AND OF COURSE I am not sure until I see more information about the Project.

2. What environmental issues would you like the Environmental Impact Report to address?

ALL OF THEM

PLUS NET REVENUE BENEFIT TO THE CITY. We could MAKE GOOD USE OF IT

3. Given the opportunity, would you attend a workshop sponsored by the City on "how to read and evaluate an Environmental Impact Report?" Yes No

4. Would you like to participate in a neighborhood "reading group" to review the Draft Environmental Impact Report when it comes out? Yes No

5. Would you consider hosting a neighborhood reading group?

If Yes, what is your Name, Phone number and Email?

ALYSE LAEMMLE

310-318-7185

HAVE NO E-MAIL

6. Do you plan to attend the Public Scoping Meeting on Wednesday, July 24, from 7 to 9 PM, at the Hermosa Beach Community Theater (710 Pier Avenue)?

Yes Maybe No

7. The Hermosa Beach voters will make the decision whether to allow the Oil Production Project.

Do you have suggestions for making the EIR Informative and useful for your decision?

THE BROCKET YOU GIVE US AT THE EARLY JULY MEETING IS VERY USEFUL THANK YOU!

THANK YOU!

(Optional)

Alyse Laemmle
2840 The Strand

Name: Hermosa Beach, CA 90254-2425

Address:

Email: ALYSE@GMAIL.COM

RECEIVED

ENVIRONMENTAL IMPACT REPORT
PROPOSED OIL PRODUCTION PROJECT
PUBLIC SCOPING COMMENTS

COMMUNITY DEV. DEPT

What environmental issues would you like the EIR to address?

- 1) If plans leak, please address what the risk is for methane gas of getting into the aquifer.
- 2) How to ensure on some of the new rocks, during construction, that there is no impact on the aquifer.
- 3) How to ensure in the future that there is no impact on the aquifer.
- 4) Please clearly show what is required as of the date.
- 5) Impact on the aquifer.
- 6) Cancer threats
- 7) Impact on the aquifer.
- 8) Psychological impact

Do you have other suggestions for making the EIR informative and useful?

That each person at the research specialists put a statement in the report about not being influenced to be pro or con when writing your reports, everyone knowing that they are paid to do the report.

Do you have questions about the EIR or the EIR process?

A lot of time & money was spent on the EIR process.

THANK YOU!

(optional)

Name: Susan Williams

Address: 2025 Huntington Dr
Hermosa Beach, CA 90254

Email and/or Phone: susan13@aol.com

ENVIRONMENTAL IMPACT REPORT
PROPOSED OIL PRODUCTION PROJECT
PUBLIC SCOPING COMMENTS

RECEIVED

What environmental issues would you like the EIR to address?

- electricity / magnetic fields / vapors
- truck traffic
- visual blight
- sight-lines
- explosive potential
- impact on sidewalk traffic
- impact on South Park
- Impact on green belts
- water impact
- oil seepage
- benzene
- methane

Do you have other suggestions for making the EIR informative and useful?

Do you have questions about the EIR or the EIR process?

why are we doing this before the ballot decision

THANK YOU!

(optional)

Name: Anne Williams

Address: 619 Fifth St
Hermosa Beach, CA 90254

Email and/or Phone: anneswilliams@gmail.com

ENVIRONMENTAL IMPACT REPORT
PROPOSED OIL PRODUCTION PROJECT
PUBLIC SCOPING COMMENTS

RECEIVED

What environmental issues would you like the EIR to address?

Do you have other suggestions for making the EIR informative and useful?

COMMUNITY DEV. DEPT.

Tidelands Oil Revenue Limits -
what are they & how does this
impact use of oil revenue to city?

Who pays for necessary additional
fire protection?

Economic Impact on Surrounding
Residential Property - Evaluate

Who owns storage property? If city, do
we get rent now - How Much -
Does EB pay rent on city yards?

Do you have questions about the EIR or the EIR process?

THANK YOU!
(optional)

Name: Jim Posenberger

Address: 1121 Bay View Dr H.B.

Email and/or Phone: 310-344-5062

ENVIRONMENTAL IMPACT REPORT
PROPOSED OIL PRODUCTION PROJECT
PUBLIC SCOPING COMMENTS

RECEIVED

What environmental issues would you like the EIR to address?

Do you have other suggestions for making the EIR informative and useful?

COMMUNITY DEV. DEPT.

The air would be harmful for me,
my family, my neighbors. I am
absolutely against the drilling for
oil in my neighborhood.

I VOTE NO!! I'm getting rid of
my gasoline vehicle in favor of an electric
car, probably Tesla.

My property value will go down.
the noise and traffic will increase.

Do you have questions about the EIR or the EIR process?
Toxic pollutants won't show impacts to
community after a few months. After a
few years, however, the residents will
definitely show signs of ailments.

My friend worked 10 years at Exxon Torrance
and now has many health problems. He is
suing EXXON. With his own chemists, he
presented his previous employer with toxic
findings. The EXXON lawyers offered him
\$12 million to make the lawsuit disappear.
EXXON is aware of the impact on its

THANK YOU!
(optional)

Name: Gary

Address: 215 4th St

Email and/or Phone: Wushutay@aol.com

**ENVIRONMENTAL IMPACT REPORT
PROPOSED OIL PRODUCTION PROJECT
PUBLIC SCOPING COMMENTS**

RECEIVED

What environmental issues would you like the EIR to address?

With the SLANT drilling
CAN it cause or trigger an
earthquake Along the
injection process

Do you have other suggestions for making the EIR
informative and useful? COMMUNITY DEV. DEPT.

Do you have questions about the EIR or the EIR process?

THANK YOU!

(optional)

Name: Bob Teer

Address: 126 Bayview Drive

HB 90254

Email and/or Phone: bob.teer@southbay
brokers.com

**ENVIRONMENTAL IMPACT REPORT
PROPOSED OIL PRODUCTION PROJECT
PUBLIC SCOPING COMMENTS**

RECEIVED

What environmental issues would you like the EIR to address?

3 Does City Have funds set
aside since 1996
when it Mac Pherson

6 Is there a plan to
set aside funds to
pay off debts before
paying schools and
starting programs if
Bill Passes

6 Have Health & Safety
issues been stipulated
That passed Council
was concerned about
with Mac Pherson

Do you have other suggestions for making the EIR
informative and useful? COMMUNITY DEV. DEPT.

Do you have questions about the EIR or the EIR process?

THANK YOU!

(optional)

Name: WILLIAM BUCHANAN

Address: 640 2nd St

Email and/or Phone: BUCHANANfamily@

**ENVIRONMENTAL IMPACT REPORT
PROPOSED OIL PRODUCTION PROJECT
PUBLIC SCOPING COMMENTS**

RECEIVED

COMMUNITY DEV. DEPT.

What environmental issues would you like the EIR to address?

Do you have other suggestions for making the EIR informative and useful?

What AFFECT on Property Values

What is probability of major disasters, earthquakes, major spill

Do you have questions about the EIR or the EIR process?

THANK YOU!

(optional)

Name: Charles Doherty

Address: 1600 Ardmore Ave 234

HB 90254

Email and/or Phone:

**ENVIRONMENTAL IMPACT REPORT
PROPOSED OIL PRODUCTION PROJECT
PUBLIC SCOPING COMMENTS**

RECEIVED

COMMUNITY DEV. DEPT.

What environmental issues would you like the EIR to address?

Do you have other suggestions for making the EIR informative and useful?

DO RESIDENTS OF HUMBOLDT RECEIVE ROYALTY PAYMENTS FROM THE OIL PRODUCTION REVENUE?

Do you have questions about the EIR or the EIR process?

THANK YOU!

(optional)

Name: Tim Clark

Address: 446 Monterey 2A

Email and/or Phone: Tmcclean@aol.com

ENVIRONMENTAL IMPACT REPORT
PROPOSED OIL PRODUCTION PROJECT
PUBLIC SCOPING COMMENTS

RECEIVED

What environmental issues would you like the EIR to address?

I would like to know how the real estate in the area will be affected. I am a homeowner 2 blocks from the site and the value of my home has already dropped 100K in just a few years.

Thank you.

Do you have other suggestions for making the EIR informative and useful?

Do you have questions about the EIR or the EIR process?

THANK YOU!

(optional)

Name:

Address:

Email and/or Phone:

ENVIRONMENTAL IMPACT REPORT
PROPOSED OIL PRODUCTION PROJECT
PUBLIC SCOPING COMMENTS

RECEIVED

What environmental issues would you like the EIR to address?

Will existing city employee parking be removed when city yard is relocated?

If so, will that parking be replaced & where would it be relocated?

Parking in Hermosa Beach is a severe problem. Losing 32 parking spaces is a severe problem since the public use those spaces on weekends.

Do you have other suggestions for making the EIR informative and useful?

USE LOTS OF TABS SO INFORMATION CAN BE FOUND EASILY. INCLUDE GLOSSARY FOR TECHNICAL TERMS.

Do you have questions about the EIR or the EIR process?

THANK YOU!

(optional)

Name:

S. FERROTTI

Address:

Email and/or Phone:

ENVIRONMENTAL IMPACT REPORT
PROPOSED OIL PRODUCTION PROJECT
PUBLIC SCOPING COMMENTS

RECEIVED

JUL 24 2013

COMMUNITY DEV. DEPT.

What environmental issues would you like the EIR to address?

Damage to adjoining property
from Drilling

Do you have other suggestions for making the EIR
informative and useful?

Do you have questions about the EIR or the EIR process?

THANK YOU!

(optional)

Name: Mary SAXE

Address: 717 30th St

Email and/or Phone: BajaRDH@hotmail.com

Does EIB have the
financial resources to
pay for environmental
Damages/clean up??

RECOMMEND THAT REPORT ASSESS
THE IMPACT OF POTENTIAL
BANKRUPTCY OF E&B.

RECOMMEND THAT "WORST CASE
SCENARIO" INCLUDE OIL BLOW
OUT AT SEA AS HAPPENED IN GULF
OF MEXICO. WILL E&B CARRY
BILLIONS IN INSURANCE TO
COVER POSSIBLE DAMAGE?

ENVIRONMENTAL IMPACT REPORT
PROPOSED OIL PRODUCTION PROJECT
PUBLIC SCOPING COMMENTS

RECEIVED

JUL 24 2013

COMMUNITY DEV. DEPT.

What environmental issues would you like the EIR to address?

1) Safety - protect the ocean
& beaches from spills &
'chemical pollution &
the long term impact

Do you have other suggestions for making the EIR
informative and useful?

Do you have questions about the EIR or the EIR process?

THANK YOU!

(optional)

Name: MARY SAXE

Address: 717 30th St.

HERNANDEZ BEACH OF PORSY
Email and/or Phone: BAJARDH@hotmail.com

2) Damages from Drilling
could cause on PTS
away to the oil
source (fields)

3) Long term soil & ground
water possible pollution

4) TRAFFIC IMPACT: Commercial
TRUCKS on narrow city
streets used by pedestrians
& cyclist.

ENVIRONMENTAL IMPACT REPORT
PROPOSED OIL PRODUCTION PROJECT
PUBLIC SCOPING COMMENTS

RECEIVED

JUL 24 2013

COMMUNITY DEV. DEPT.

What environmental issues would you like the EIR to address?

1) What are the risks of oil drilling activity creating earthquakes?

2) I want to know if I am exposed to less health risk by living by 19th Street than other residents adjacent to the proposed drilling? (radiation cancer risk)

3) Will health risks vary for the community vary depending on geographic address and age of citizens?

Do you have other suggestions for making the EIR informative and useful?

4) Can the oil company offset the negative impacts of their project with positive actions to diminish global warming and to promote alternative transportation?

Do you have questions about the EIR or the EIR process?

5) EIR report should include impact of the use of oil to be extracted with a global perspective.

THANK YOU!
(optional)

Name: Celeste Coar
Address: celeste-lomaland@yahoo.com

Email and/or Phone:
2004 LOMA Drive Hermosa.

ENVIRONMENTAL IMPACT REPORT
PROPOSED OIL PRODUCTION PROJECT
PUBLIC SCOPING COMMENTS

RECEIVED

JUL 24 2013

COMMUNITY DEV. DEPT.

What environmental issues would you like the EIR to address?

YOU SHOULD INCLUDE THE HEALTH THAT IS GOING TO DESTROY AMONGS ALL HUMAN'S RESEARCH KIDS/LEUKEMIA/PEDIATRIC CANCER AND OTHER RELATED DISEASES THAT THIS PROJECT WILL CAUSE. WHY ARE YOU HISHING THESE FACTS? HAS MONEY BLINDED YOU!

STOP THIS PROJECT NOW.

SHOW ON YOUR REPORT THE HEALTH RISK LONG TERM + SHORT TERM

Do you have other suggestions for making the EIR informative and useful?

Do you have questions about the EIR or the EIR process?

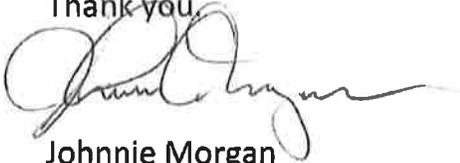
THANK YOU!
(optional)

Name: JAN J. FRITCH
Address: 1823 VALLEY PARK AVE
HERMOSA BEACH, CA 90254
Email and/or Phone:

The Appendices to the Project application has a "subsidence and induced Seismicity Technical Report" that was prepared for the proposed project. I understand that the report was prepared by experts in the field of geology and hydrology, with expertise in similar projects. Also that the report describes a subsidence monitoring program and a seismicity monitoring program that will be provided by E&B as a part of the proposed project. My questions are:

1. Will the draft EIR describe these monitoring programs
2. How will they address the concerns that the residents have about subsidence
3. How will they address the concerns that the residents have about earthquakes
4. How will they address the concerns that the residents have about similar issues

Thank you.



Johnnie Morgan
Hermosa Beach Business Owner
1208 Artesia Bl.
Hermosa Beach, CA 90254
310.418.9900

RECEIVED

JUL 24 2012

COMMUNITY DEV DEPT

The Appendices to the Project application has a "subsidence and induced Seismicity Technical Report" that was prepared for the proposed project. I understand that the report was prepared by experts in the field of geology and hydrology, with expertise in similar projects. Also that the report describes a subsidence monitoring program and a seismicity monitoring program that will be provided by E&B as a part of the proposed project. My questions are:

1. Will the draft EIR describe these monitoring programs
2. How will they address the concerns that the residents have about subsidence
3. How will they address the concerns that the residents have about earthquakes
4. How will they address the concerns that the residents have about similar issues

Thank you



Johnnie Morgan
Hermosa Beach Business Owner
1208 Artesia Bl.
Hermosa Beach, CA 90254
310.418.9900

RECEIVED

JUL 24 2013

COMMUNITY DEV. DEPT

Mr. Ken Robertson,
City of Hermosa Beach,
Community Development Director,
1315 Valley Drive,
Hermosa Beach,
CA 90254,

RECEIVED
AUG 08 2013
COMMUNITY DEV. DEPT.

Gordon Gray and
Alison Gray
1111 Valley Drive,
Hermosa Beach
CA 90254
August 5, 2013

Dear Sir,

Re: Draft Environmental Impact Report: Hermosa Beach resident comments & concerns

My wife and I are longtime residents of Hermosa Beach and we enjoy and love this little community and feel an integral part of the life and wellbeing of the city. Hermosa is where, for close to 30 years, we have chosen to live and raise our family. We have consistently supported the positive activities in the City to make Hermosa a caring, responsible, family place to live and raise kids.

However it is with true dismay that my wife and I read about the Hermosa City plans to potentially allow Oil drilling in the city. As longtime residents of Hermosa **our response to any Oil Drilling in Hermosa is that we are unequivocally and absolutely opposed to such projects.**

Drilling for Oil and Natural Gas with all the inherent and real risks to health and safety and the extensive "Potentially Significant Impacts" (as identified by you) is anathema to Hermosa Beach and its residents and to the values of Hermosa residents.

Looking at the list of environmental aspects, which you yourself have identified as having a "Potentially Significant Impact", is astounding and frankly very damning. From this extensive list of environmental factors **almost ALL have Potentially Significant Impact** on our little community so why is this Oil Drilling even being considered by Hermosa Council?

- Aesthetics
- Biological Resources
- Green House Gas Emissions
- Land Use/Planning
- Transportation/Traffic
- Cultural Resources
- Mandatory Findings of Significance
- Geology /Soils
- Hazards & Hazardous Materials
- Energy/Mineral Resources
- Public Services
- Utilities / Service Systems
- Noise
- Hydrology/Water Quality
- Air Quality

The community would have to suffer the negative effects and risks of 34 wells operating under our properties for greater than 35 Years. This is totally unacceptable to the residents, the children (born and yet to be born in Hermosa), the environment, the Hermosa way of life and the value of our properties in Hermosa.

We the people of Hermosa do not want this abomination in our community and in some case just yards from our front doors. Hermosa is a quiet, peaceful, fun loving, laid back, and caring community where this type of negative endeavor will destroy the very fabric of the city and forever change the character of Hermosa Beach. I believe that this is the essence of why most Hermosan's are against the Oil Drilling.

As concerned residents we are prepared to oppose this Oil and Natural Gas drilling proposal as vociferously and energetically as possible.

Please register us as an absolute NO to Oil Drilling in Hermosa.

Sincerely,

Gordon Gray and Alison Gray

1111 Valley Drive,
Hermosa Beach
CA 90254

Handwritten signatures of Gordon Gray and Alison Gray in blue ink. The signature for Gordon Gray is written above the signature for Alison Gray. Both signatures are stylized and cursive.

1. What are your main concerns about the E&B Oil Production Project, if any?

CAN IT BE DONE SAFELY?

IF SO THEN I AM 100% IN FAVOR

I am not sure until I see more information about the Project.

2. What environmental issues would you like the Environmental Impact Report to address?

SMOKE STACK IN THE AIR LIKE AT MOBILE

3. Given the opportunity, would you attend a workshop sponsored by the City on "how to read and evaluate an Environmental Impact Report?" Yes No

4. Would you like to participate in a neighborhood "reading group" to review the Draft Environmental Impact Report when it comes out? Yes No

5. Would you consider hosting a neighborhood reading group? Yes No

If Yes, what is your Name, Phone number and Email?

I HAVE OUTSPOKEN NEIGHBORS AGAINST E&B SO I AM AFRAID TO SAY I AM OK IF IT IS SAFE

THANK YOU!

(Optional)

Name: _____

Address: _____

Email: _____

1. What are your main concerns about the E&B Oil Production Project, if any? noise

trucks down valley any correlation of illness to oil drill etc accident

I am not sure until I see more information about the Project.

2. What environmental issues would you like the Environmental Impact Report to address?

sealife, wildlife, tidal, heavy metals into atmosphere oil seepage

3. Given the opportunity, would you attend a workshop sponsored by the City on "how to read and evaluate an Environmental Impact Report?" Yes No

4. Would you like to participate in a neighborhood "reading group" to review the Draft Environmental Impact Report when it comes out? Yes No

5. Would you consider hosting a neighborhood reading group? Yes No

If Yes, what is your Name, Phone number and Email?

rebecca votto rebeccavotto@yahoo.com

6. Do you plan to attend the Public Scoping Meeting on Wednesday, July 24, from 7 to 9 PM, at the Hermosa Beach Community Theater (710 Pier Avenue)? Yes Maybe No

7. The Hermosa Beach voters will make the decision whether to allow the Oil Production Project. Do you have suggestions for making the EIR informative and useful for your decision?

THANK YOU!

(Optional)

Name: Rebecca Votto

Address: 928 Monterey

Email: rebeccavotto@yahoo.com

To Ed 7/23/13

1. What are your main concerns about the E&B Oil Production Project, if any? Changing our air quality.
Smells from work site.
Impact to ocean life.
Noise & additional traffic
on valley drive. A major spill.

I am not sure until I see more information about the Project.

2. What environmental issues would you like the Environmental Impact Report to address?
It seems like they have
all areas covered.

3. Given the opportunity, would you attend a workshop sponsored by the City on "how to read and evaluate an Environmental Impact Report?" Yes No

4. Would you like to participate in a neighborhood "reading group" to review the Draft Environmental Impact Report when it comes out? Yes No

5. Would you consider hosting a neighborhood reading group?
 Yes No maybe

If Yes, what is your Name, Phone number and Email?

Catherine Landis
1235 7th St. 310-365-7228
HB - CatherineLandis@sbcglobal.net

6. Do you plan to attend the Public Scoping Meeting on Wednesday, July 24, from 7 to 9 PM, at the Hermosa Beach Community Theater (710 Pier Avenue)?
 Yes Maybe No

7. The Hermosa Beach voters will make the decision whether to allow the Oil Production Project.

Do you have suggestions for making the EIR informative and useful for your decision?

Simple language & large
font would encourage me
to actually look at it.

THANK YOU!

(Optional)

Name: _____

Address: _____

Email: _____

1. What are your main concerns about the E&B Oil Production Project, if any? ② traffic and trucks
money not getting to the
schools who need it most.

I am not sure until I see more information about the Project.

2. What environmental issues would you like the Environmental Impact Report to address?

- does it affect the beach?
- does it affect soil?
- does it affect air quality
- how loud is it?

3. Given the opportunity, would you attend a workshop sponsored by the City on "how to read and evaluate an Environmental Impact Report?" Yes No

4. Would you like to participate in a neighborhood "reading group" to review the Draft Environmental Impact Report when it comes out? Yes No

5. Would you consider hosting a neighborhood reading group?
 Yes No

If Yes, what is your Name, Phone number and Email?

Linsey Miller
310. 245. 0559
linsey.miller@emerson.com

6. Do you plan to attend the Public Scoping Meeting on Wednesday, July 24, from 7 to 9 PM, at the Hermosa Beach Community Theater (710 Pier Avenue)?
 Yes Maybe No

7. The Hermosa Beach voters will make the decision whether to allow the Oil Production Project.

Do you have suggestions for making the EIR informative and useful for your decision?

Please put succinct (bullets
or Q and A style info) on
the city website and keep
it updated.

THANK YOU!

(Optional)

Name: Linsey Miller

Address: 429 Gould Ave

Email: linsey.miller@emerson.com

1. What are your main concerns about the E&B Oil Production Project, if any?

The health and safety of my children, myself, my community. A negative impact on Hermosa - tourism and business - no one wants to visit an oil town!

I am not sure until I see more information about the Project.

2. What environmental issues would you like the Environmental Impact Report to address?

Air and water pollution over the whole span of thirty years not just the first few years. Could it cause cancer for long term residents?

3. Given the opportunity, would you attend a workshop sponsored by the City on "how to read and evaluate an Environmental Impact Report?" Yes No

4. Would you like to participate in a neighborhood "reading group" to review the Draft Environmental Impact Report when it comes out? Yes No

5. Would you consider hosting a neighborhood reading group? Yes No

If Yes, what is your Name, Phone number and Email?
Sara Wheeler 310.750.3901

6. Do you plan to attend the Public Scoping Meeting on Wednesday, July 24, from 7 to 9 PM, at the Hermosa Beach Community Theater (710 Pier Avenue)?

Yes Maybe No

7. The Hermosa Beach voters will make the decision whether to allow the Oil Production Project. Do you have suggestions for making the EIR informative and useful for your decision?

THANK YOU!

(Optional)

Name: _____

Address: _____

Email: _____

1. What are your main concerns about the E&B Oil Production Project, if any?

Health risk small town with big oil trucks on our small streets

I am not sure until I see more information about the Project.

2. What environmental issues would you like the Environmental Impact Report to address?

Sea life air ground safety

3. Given the opportunity, would you attend a workshop sponsored by the City on "how to read and evaluate an Environmental Impact Report?" Yes No

4. Would you like to participate in a neighborhood "reading group" to review the Draft Environmental Impact Report when it comes out? Yes No

5. Would you consider hosting a neighborhood reading group? Yes No

If Yes, what is your Name, Phone number and Email?

6. Do you plan to attend the Public Scoping Meeting on Wednesday, July 24, from 7 to 9 PM, at the Hermosa Beach Community Theater (710 Pier Avenue)?

Yes Maybe No

7. The Hermosa Beach voters will make the decision whether to allow the Oil Production Project. Do you have suggestions for making the EIR informative and useful for your decision?

yes, my suggestion - No impact on environment

THANK YOU!

(Optional)

Name: I am a cancer patient and find

Address: later nights

Email: difficult thank you.

1. What are your main concerns about the E&B Oil Production Project, if any?

I'M CONCERNED THAT THIS PROJECT IS NOT IN LINE WITH THE CITY'S STRATEGIC CARBON NEUTRAL INITIATIVE

I am not sure until I see more information about the Project.

2. What environmental issues would you like the Environmental Impact Report to address?

SEE ABOVE

3. Given the opportunity, would you attend a workshop sponsored by the City on "how to read and evaluate an Environmental Impact Report?" Yes No

4. Would you like to participate in a neighborhood "reading group" to review the Draft Environmental Impact Report when it comes out? Yes No

5. Would you consider hosting a neighborhood reading group? Yes No

1. What are your main concerns about the E&B Oil Production Project, if any?

HIGHER RISK OF LEAKS, ENVIRONMENTAL DISASTERS, POLLUTION

I am not sure until I see more information about the Project.

2. What environmental issues would you like the Environmental Impact Report to address?

ENVIRONMENTAL IMPACT IS THERE A POSITIVE IMPACT ON THE ENVIRONMENT? I THINK NOT!!

3. Given the opportunity, would you attend a workshop sponsored by the City on "how to read and evaluate an Environmental Impact Report?" Yes No

4. Would you like to participate in a neighborhood "reading group" to review the Draft Environmental Impact Report when it comes out? Yes No

5. Would you consider hosting a neighborhood reading group? Yes No

If Yes, what is your Name, Phone number and Email?

PEREIRA SIO 594 5924 ROBERT@FORSEBERRY.COM

6. Do you plan to attend the Public Scoping Meeting on Wednesday, July 24, from 7 to 9 PM, at the Hermosa Beach Community Theater (710 Pier Avenue)? Yes Maybe No

7. The Hermosa Beach voters will make the decision whether to allow the Oil Production Project. Do you have suggestions for making the EIR Informative and useful for your decision?

INFORM RESIDENTS WHAT AN EIR IS - AND WHAT AN EIR IS NOT

THANK YOU!

(Optional)

Name: _____ Address: _____ Email: _____

If Yes, what is your Name, Phone number and Email?

6. Do you plan to attend the Public Scoping Meeting on Wednesday, July 24, from 7 to 9 PM, at the Hermosa Beach Community Theater (710 Pier Avenue)? Yes Maybe No

7. The Hermosa Beach voters will make the decision whether to allow the Oil Production Project. Do you have suggestions for making the EIR Informative and useful for your decision? I KNOW MY DECISION, NO OIL, NO IMPACT

THANK YOU!

(Optional)

Name: 43 YEM Address: HERMOSA HOMEOWNERS Email: _____

1. What are your main concerns about the E&B Oil Production Project, if any?

that we are not being given ALL the information about what it involves. the nice booklet doesn't show where drilling is underground nor does it explain the process.

I am not sure until I see more information about the Project.

2. What environmental issues would you like the Environmental Impact Report to address?

show other cities where there is the exact same situation and it is working, what impacts have been seen there (doesn't have to be coastal city) just diagonal drilling examples.

3. Given the opportunity, would you attend a workshop sponsored by the City on "how to read and evaluate an Environmental Impact Report?" Yes No

4. Would you like to participate in a neighborhood "reading group" to review the Draft Environmental Impact Report when it comes out? Yes No

5. Would you consider hosting a neighborhood reading group? Yes No

If Yes, what is your Name, Phone number and Email?

Do you plan to attend the Public Scoping Meeting on Wednesday, July 24, from 7 to 9 PM, at the Hermosa Beach Community Theater (710 Pier Avenue)?

7. The Hermosa Beach voters will make the decision whether to allow the Oil Production Project. Do you have suggestions for making the EIR informative and useful for your decision?

we heard somewhere that the guy doing independent study for Hermosa is on the E & B payroll. um Is that true? How would we check that this isn't the case?

THANK YOU! what if people of Hermosa chose an independent EIR report or.

Name: I want the best for Hermosa Address: want Hermosa to make money so doesn't want to be thought of as someone trying to control a positive thing - if indeed it is positive why did they write it throughout history?

1. What are your main concerns about the E&B Oil Production Project, if any? Effect on Community Infrastructure - Population growth. Roads - Housing - Scarcity of Medical care - Overburdened social service needs. Increased term processing.
 I am not sure until I see more information about the Project.

2. What environmental issues would you like the Environmental Impact Report to address?
Air quality - Soil contamination - Water usage and containment - Vibration - Traffic Control - City service staffing - Explosion and spills - Earthquake effects.

3. Given the opportunity, would you attend a workshop sponsored by the City on "how to read and evaluate an Environmental Impact Report?" Yes No

4. Would you like to participate in a neighborhood "reading group" to review the Draft Environmental Impact Report when it comes out? Yes No

5. Would you consider hosting a neighborhood reading group?
 Yes No

RECEIVED
 If Yes, what is your Name, Phone number and Email?
 AUG 13 2013

COMMUNITY
 6. Do you plan to attend the Public Scoping Meeting on Wednesday, July 24, from 7 to 9 PM, at the Hermosa Beach Community Theater (710 Pier Avenue)?
 Yes Maybe No

7. The Hermosa Beach voters will make the decision whether to allow the Oil Production Project.
 Do you have suggestions for making the EIR informative and useful for your decision?
Look at the entire environmental impact - physical, economic, social and city services, disaster plans, etc.

THANK YOU!

(Optional)

Name: _____
 Address: _____
 Email: _____

1. What are your main concerns about the E&B Oil Production Project, if any?
Quality of life issues. Can't mitigate to zero.
 I am not sure until I see more information about the Project.

2. What environmental issues would you like the Environmental Impact Report to address?
Bridge the gap from mitigation to quality of life issues.

3. Given the opportunity, would you attend a workshop sponsored by the City on "how to read and evaluate an Environmental Impact Report?" Yes No

4. Would you like to participate in a neighborhood "reading group" to review the Draft Environmental Impact Report when it comes out? Yes No

5. Would you consider hosting a neighborhood reading group?
 Yes No

If Yes, what is your Name, Phone number and Email?
p.friedl@yahoo.com

6. Do you plan to attend the Public Scoping Meeting on Wednesday, July 24, from 7 to 9 PM, at the Hermosa Beach Community Theater (710 Pier Avenue)?
 Yes Maybe No

7. The Hermosa Beach voters will make the decision whether to allow the Oil Production Project.
 Do you have suggestions for making the EIR informative and useful for your decision?
Be forthright about the limitations of the EIR

THANK YOU!

(Optional)

COMMUNITY DEV. DEPT
 Name: Phil Friedl
 Address: 7011 Comz
 Email: p.friedl@yahoo.com

RECEIVED
 AUG 13 2013

1. What are your main concerns about the E&B Oil Production Project, if any? None

I am not sure until I see more information about the Project.

2. What environmental issues would you like the Environmental Impact Report to address?

Nothing that isn't already on the list

3. Given the opportunity, would you attend a workshop sponsored by the City on "how to read and evaluate an Environmental Impact Report?" Yes No

4. Would you like to participate in a neighborhood "reading group" to review the Draft Environmental Impact Report when it comes out? Yes No

5. Would you consider hosting a neighborhood reading group? Yes No

If Yes, what is your Name, Phone number and Email?

6. Do you plan to attend the Public Scoping Meeting on Wednesday, July 24, from 7 to 9 PM, at the Hermosa Beach Community Theater (710 Pier Avenue)?

Yes Maybe No

7. The Hermosa Beach voters will make the decision whether to allow the Oil Production Project.

Do you have suggestions for making the EIR informative and useful for your decision?

Distill it down to 2 page bullets

THANK YOU!

(Optional)

Name: _____

Address: _____

Email: _____

RECEIVED

AUG 13 2013

COMMUNITY DEV.

1. What are your main concerns about the E&B Oil Production Project, if any?

Health issues / risks
Noise
Large Drilling Rigs

I am not sure until I see more information about the Project.

2. What environmental issues would you like the Environmental Impact Report to address?

Noise
Health issues & risks

3. Given the opportunity, would you attend a workshop sponsored by the City on "how to read and evaluate an Environmental Impact Report?" Yes No

4. Would you like to participate in a neighborhood "reading group" to review the Draft Environmental Impact Report when it comes out? Yes No

5. Would you consider hosting a neighborhood reading group? Yes No

If Yes, what is your Name, Phone number and Email?

Daniel Silverman
silver4@yahoo.com

6. Do you plan to attend the Public Scoping Meeting on Wednesday, July 24, from 7 to 9 PM, at the Hermosa Beach Community Theater (710 Pier Avenue)?

Yes Maybe No

7. The Hermosa Beach voters will make the decision whether to allow the Oil Production Project.

Do you have suggestions for making the EIR informative and useful for your decision?

Summary with pro and con interpretations from pro and con

THANK YOU!

(Optional)

Name: _____

Address: _____

Email: _____

RECEIVED

AUG 13 2013

COMMUNITY DEV.

1. What are your main concerns about the E&B Oil Production Project, if any? How can we make

the drilling site look not too noticeable and to blend in to the surrounding environment as possible

I am not sure until I see more information about the Project.

2. What environmental issues would you like the Environmental Impact Report to address?

If there is no oil after drilling what can HB benefit from it?

3. Given the opportunity, would you attend a workshop sponsored by the City on "how to read and evaluate an Environmental Impact Report? Yes No

4. Would you like to participate in a neighborhood "reading group" to review the Draft Environmental Impact Report when it comes out? Yes No

5. Would you consider hosting a neighborhood reading group? Yes No

If Yes, what is your Name, Phone number and Email?

6. Do you plan to attend the Public Scoping Meeting on Wednesday, July 24, from 7 to 9 PM, at the Hermosa Beach Community Theater (710 Pier Avenue)?

Yes Maybe No

7. The Hermosa Beach voters will make the decision whether to allow the Oil Production Project.

Do you have suggestions for making the EIR informative and useful for your decision?

RECEIVED

AUG 13 2013

COMMUNITY DEV.

THANK YOU!

(Optional)

Name: TONG SAETIA

Address: 650 10th ST.

Hermosa Beach, CA 90254

Email: tong-saetia@yahoo.com

1. What are your main concerns about the E&B Oil Production Project, if any? _____

RECEIVED

AUG 13 2013

COMMUNITY DEV.

I am not sure until I see more information about the Project.

2. What environmental issues would you like the Environmental Impact Report to address?

The only concern I have with the oil deal is that if one day I walk on that beach in Hermosa by my house and every

3. Given the opportunity, would you attend a workshop sponsored by the City on "how to read and evaluate an Environmental Impact Report? Yes No

4. Would you like to participate in a neighborhood "reading group" to review the Draft Environmental Impact Report when it comes out? Yes No

5. Would you consider hosting a neighborhood reading group? Yes No

If Yes, what is your Name, Phone number and Email?

6. Do you plan to attend the Public Scoping Meeting on Wednesday, July 24, from 7 to 9 PM, at the Hermosa Beach Community Theater (710 Pier Avenue)?

Yes Maybe No

7. The Hermosa Beach voters will make the decision whether to allow the Oil Production Project.

Do you have suggestions for making the EIR informative and useful for your decision?

Time ~~on~~ the bottom of my feet are filled with a thick layer of tar like it is insanta Barbara all hell will break loose.

THANK YOU!

(Optional)

Name: _____

Address: _____

Email: _____

1. What are your main concerns about the E&B Oil Production Project, if any?

- Environmental impact.
- Property values
- Noise H.B. look like an oil field rather than beach

I am not sure until I see more information about the Project.

2. What environmental issues would you like the Environmental Impact Report to address?

air water

COMMUNITY

3. Given the opportunity, would you attend a workshop sponsored by the City on "how to read and evaluate an Environmental Impact Report?" Yes No

4. Would you like to participate in a neighborhood "reading group" to review the Draft Environmental Impact Report when it comes out? Yes No

5. Would you consider hosting a neighborhood reading group? Yes No

If Yes, what is your Name, Phone number and Email?

SUSAN RIELY
SDRIELY@MAC.COM
303-870-8070

6. Do you plan to attend the Public Scoping Meeting on Wednesday, July 24, from 7 to 9 PM, at the Hermosa Beach Community Theater (710 Pier Avenue)? Yes Maybe No

7. The Hermosa Beach voters will make the decision whether to allow the Oil Production Project. Do you have suggestions for making the EIR informative and useful for your decision?

HAVE Block CAPTAINS & WALK DOOR TO DOOR

THANK YOU!

(Optional)

Name: SUSAN RIELY

Address: 332 30th ST HB

DO NOT GET MAIL HERE

Email: SDRIELY@MAC.COM

RECEIVED

If Yes, what is your Name, Phone number and Email?

AUG 13 2013
COMMUNITY

6. Do you plan to attend the Public Scoping Meeting on Wednesday, July 24, from 7 to 9 PM, at the Hermosa Beach Community Theater (710 Pier Avenue)? Yes Maybe No

7. The Hermosa Beach voters will make the decision whether to allow the Oil Production Project. Do you have suggestions for making the EIR informative and useful for your decision?

Give details about chemicals used in the process & the potential for earthquakes/sinkholes

THANK YOU!

(Optional)

Name: Roman Culjat, MD

Address: 1041 14th Street

Hermosa Beach, CA 90254

Email: roman.culjat@hotmail.com

1. What are your main concerns about the E&B Oil Production Project, if any?

- ① potential long term harm from chemicals used to acquire oil/gas
- ② Risk to pedestrians of large trucks
- ③ Risk of sinkholes/earthquakes

I am not sure until I see more information about the Project.

2. What environmental issues would you like the Environmental Impact Report to address?

① chemicals used to acquire oil/gas ② potential for earthquakes/sinkholes ③ noise pollution from drilling/trucks

3. Given the opportunity, would you attend a workshop sponsored by the City on "how to read and evaluate an Environmental Impact Report?" Yes No

4. Would you like to participate in a neighborhood "reading group" to review the Draft Environmental Impact Report when it comes out? Yes No

5. Would you consider hosting a neighborhood reading group? Yes No

1. What are your main concerns about the E&B Oil Production Project, if any? ~~oil on the beach~~
on my feet when I walk on the beach like it is in Santa Barbara

I am not sure until I see more information about the Project.

2. What environmental issues would you like the Environmental Impact Report to address?
oil on the beach

3. Given the opportunity, would you attend a workshop sponsored by the City on "how to read and evaluate an Environmental Impact Report?" Yes No

4. Would you like to participate in a neighborhood "reading group" to review the Draft Environmental Impact Report when it comes out? Yes No

5. Would you consider hosting a neighborhood reading group? Yes No

If Yes, what is your Name, Phone number and Email?

6. Do you plan to attend the Public Scoping Meeting on Wednesday, July 24, from 7 to 9 PM, at the Hermosa Beach Community Theater (710 Pier Avenue)?
 Yes Maybe No

7. The Hermosa Beach voters will make the decision whether to allow the Oil Production Project.
Do you have suggestions for making the EIR informative and useful for your decision?
in familiar with this entire process

RECEIVED

THANK YOU! AUG 13 2013
(Optional)
Name: Matthew Behm
Address: 1346 Bayview Drive unit A
Hermosa Beach, CA 90254
Email: matthew.behm@gmail.com

1. What are your main concerns about the E&B Oil Production Project, if any? • Health, Health, Health
• Accidental leak/explosion
• Ocean view from the hills
• Property value
• Truck Noise on 5th St & PCH

I am not sure until I see more information about the Project.

2. What environmental issues would you like the Environmental Impact Report to address?
• Air quality from construction trucks
• Water quality
• Ground contamination
• Noise pollution

3. Given the opportunity, would you attend a workshop sponsored by the City on "how to read and evaluate an Environmental Impact Report?" Yes No

4. Would you like to participate in a neighborhood "reading group" to review the Draft Environmental Impact Report when it comes out? Yes No not sure

5. Would you consider hosting a neighborhood reading group? Yes No

If Yes, what is your Name, Phone number and Email?

6. Do you plan to attend the Public Scoping Meeting on Wednesday, July 24, from 7 to 9 PM, at the Hermosa Beach Community Theater (710 Pier Avenue)?
 Yes Maybe No out of town

7. The Hermosa Beach voters will make the decision whether to allow the Oil Production Project.
Do you have suggestions for making the EIR informative and useful for your decision?

RECEIVED

THANK YOU! COMMUNITY DEV
AUG 13 2013
(Optional)
Name: Mary Ero
Address: 944 5th St.
Email: _____

1. What are your main concerns about the E&B Oil Production Project, if any? Environmental impacts and health impacts. Specifically, coastal environments are delicate ecosystems that I believe should be protected.

I am not sure until I see more information about the Project.

2. What environmental issues would you like the Environmental Impact Report to address?

- All listed on the board are good.

3. Given the opportunity, would you attend a workshop sponsored by the City on "how to read and evaluate an Environmental Impact Report? Yes No

4. Would you like to participate in a neighborhood "reading group" to review the Draft Environmental Impact Report when it comes out? Yes No

5. Would you consider hosting a neighborhood reading group? Yes No

If Yes, what is your Name, Phone number and Email?

6. Do you plan to attend the Public Scoping Meeting on Wednesday, July 24, from 7 to 9 PM, at the Hermosa Beach Community Theater (710 Pier Avenue)?

Yes Maybe No

7. The Hermosa Beach voters will make the decision whether to allow the Oil Production Project.

Do you have suggestions for making the EIR informative and useful for your decision?

Make it available online & allow additional time for review, beyond state requirements

THANK YOU!

(Optional)

Name: _____

Address: _____

Email: _____

RECEIVED

AUG 13 2013

COMMUNITY DEV. DEPT.

MEMORANDUM

To: Mark LeClair
MRMD

Date: August 9, 2013

From: Cynthia Herzog
Staff Environmental Scientist
DEPM

Ref: SCH# 2013071038

cc: Eric Gillies
Assistant Chief
DEPM

Subject: **City of Hermosa Beach E & B Oil Development Project (Project), Notice of Preparation (NOP)**

DEPM has prepared the following comments on the above-mentioned Project's NOP.

Project Description

1. Although mentioned in the NOP's Introduction, Section 2.1 "Project Overview" should also reiterate that directional drilling would access oil and gas reserves in both the tidelands (offshore) and the uplands (onshore) within the Torrance Oil Field to facilitate a clearer understanding of the Project components and aid in reader comprehension.

Project Permits

2. Table 5.1 of the NOP (Page 57), indicates that a lease agreement would be required from the CSLC. Because the proposed Project would be located on uplands and sovereign submerged lands that have been transferred, in trust, to the city of Hermosa Beach (Statute of 1919, Chapter 479), no CSLC authorization would be required. However, the CSLC would act as a trustee agency because of its trust responsibility for projects that could directly or indirectly affect sovereign lands, their accompanying Public Trust resources or uses, and the public easement in navigable waters.

REVISION

AUG 20 2013

COMMUNITY DEV. DEPT.

August 10, 2013

Ken Robertson
Community Development Director
City of Hermosa Beach
1315 Valley Drive
Hermosa Beach, CA, 90254

RECEIVED
AUG 14 2013
COMMUNITY DEV. DEP'

Dear Mr. Robertson,

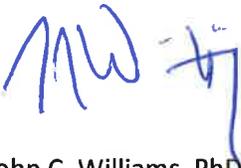
It is not very often that I reach out to our officials, but as a citizen of Hermosa Beach I am gravely concerned about the E&B Oil Development Project. I have read the Scope of the Environmental Impact Report and I wasn't surprised: oil drilling is incredibly risky, particularly in such a densely populated city as ours.

Can you imagine what an industrial accident could do to our community? You need only read the New York Times and Los Angeles Times articles from the last several weeks about communities that have been destroyed by drilling to see the impact. I see my home, my health, my children's health, and my financial life impacted negatively, perhaps disastrously.

The benefits of this project have never been articulated beyond some inflow of money. If our city is so cash-strapped, then we ought to be looking for responsible solutions, not betting the very fabric of our city (our homes, beaches, parks, and commerce – the lifestyle we all love) on some risky drilling adventure.

The benefits will never come close to offsetting the risks, and I would rather pay higher taxes in this city than take on something with such a huge downside.

Respectfully,



John C. Williams, PhD
619 5th St.
Hermosa Beach, CA 90254