Form 3160-5 (June 2015)

UNITED STATES

FORM APPROVED
OMB NO. 1004-0137
Expires: January 31, 201

DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill or to re-enter an abandoned well. Use form 3160-3 (APD) for such proposals.					Expires: Ja	anuary 31, 2018
					Lease Serial No. NMLC062749B	
					6. If Indian, Allottee of	or Tribe Name
SUBMIT IN TRIPLICATE - Other instructions on page 2				7. If Unit or CA/Agre NMNM138329X	ement, Name and/or No.	
Type of Well ☐ Gas Well ☐ Other					8. Well Name and No. ZIA HILLS 19 FEI	DERAL COM 105H
Name of Operator Contact: JEREMY LEE CONOCOPHILLIPS COMPANY E-Mail: jeremy.l.lee@cop.com					9. API Well No. 30-025-44219-00-X1	
3a. Address 925 N ELDRIDGE PARKWAY HOUSTON, TX 77079	3b. Phone No. (include area code) Ph: 832-486-2510		10. Field and Pool or Exploratory Area WOLFCAMP			
4. Location of Well (Footage, Sec., T., R., M., or Survey Description)			11. County or Parish, State			
Sec 19 T26S R32E 2627FNL 430FWL 32.028320 N Lat, 103.721657 W Lon					LEA COUNTY, NM	
12. CHECK THE AI	PPROPRIATE BOX(ES)	TO INDICA	TE NATURE OI	F NOTICE,	REPORT, OR OTH	HER DATA
TYPE OF SUBMISSION	TYPE OF ACTION					
Notice of Intent ■ Notice of Intent	☐ Acidize	☐ Dee	pen	☐ Product	ion (Start/Resume)	■ Water Shut-Off
_	☐ Alter Casing	□ Нус	raulic Fracturing	□ Reclama	ation	■ Well Integrity
☐ Subsequent Report	□ Casing Repair	☐ Nev	■ New Construction		lete	Other
☐ Final Abandonment Notice	2 contraction of the contraction		and Abandon	☐ Temporarily Abandon		Surface Disturbance
101.00A	☐ Convert to Injection	Plug	Back	☐ Water D	risposal	
13. Describe Proposed or Completed Opt If the proposal is to deepen directions Attach the Bond under which the won following completion of the involved testing has been completed. Final Abdetermined that the site is ready for fit ConocoPhillips requests to util Electro-Magnetic (EM) testing R32E. Up to two transmitter lift in length. A small Utility Terr test. Any transmitter cables the mat. A 56kw generator, 1 box utilized. A total of 750 receiver in/or on the ground. Any diese equipped with a re-fueling kit the ConocoPhillips requests to fer protective fencing. Each fence	ally or recomplete horizontally, rk will be performed or provide a operations. If the operation resondoment Notices must be filbinal inspection. Ilize a 5000 ft x 3000 ft are executed by Deep Imagines will be placed on the stain Vehicle (UTV) will be at intersect road crossing trailer, 1 mobile-mini, and relectrodes and (1500) 4' all fuel kept on site will be kept on protect environment from the each end of the transited area is 80? in diameter	give subsurface the Bond No. oults in a multiple donly after all ea for approxing in portions surface paralutilized to lays will be buried 12,000? of the copper survept in second mossible specified.	locations and measurabile with BLM/BIA. e completion or reconsequirements, including mately 3 weeks to a Section 25,30 el to each other a out wire to perform the section of the section of the section of the section out wire to perform the section of the sectio	red and true ve Required sub impletion in a r ng reclamation o perform 1,36,& 31 T2 and run 600 rm the oed with a s will be placed and will be ge netted	rtical depths of all pertin sesquent reports must be sew interval, a Form 316 a, have been completed a	filed within 30 days 0-4 must be filed once
14. I hereby certify that the foregoing is Com Name (Printed/Typed) JEREMY I	## Electronic Submission For CONOCO nmitted to AFMSS for proce	PHILLIPS CO	MPÁNY, sent to th SCILLA PEREZ on	ne Hobbs 04/27/2020		
Signature (Electronic Submission)			Date 03/18/20	20		
_	THIS SPACE FO	R FEDERA	L OR STATE	OFFICE US	SE	
_Approved By	My M		Title #	1-1	&M	11/10/2020
Conditions of approval, if any, are attached certify that the applicant holds legal or equ which would entitle the applicant to condu	itable title to those rights in the	not warrant or subject lease	Office C	0		

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2) *** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED **

Additional data for EC transaction #507638 that would not fit on the form

32. Additional remarks, continued

to the ground system. The copper rods are safe to touch during operations. This area will be fenced off as to prevent any tripping hazards and ensure the technology works effectively.

Any existing infrastructure will be avoided.

Equipment Layout Details are as follows:

There are 750 receiver stations laid out on the surface in a rectangular area that is a 5,000? x 3,000?. The receiver stations are spread out evenly in the designated area approximately 200? apart from each other in rows and columns. Each receiver station consists of 5 parts: (1) receiver box, (1) 77-hour battery, (1) 8? GPS Antennae, (2) copper survey stakes, (2) 105? long wires.

The setup of each receiver station is centered on the enclosed receiver box of electronics (shoebox size). Directly adjacent to the receiver station is a 77-hour battery and an 8? GPS Antenna which is made of PVC with wiring in the center. Connected to the receiver box are two 105? long wires extending perpendicular from the targeted Well(s). At the end of each long wire is a copper survey stake 4 ft long and 0.25 inches in diameter.

Directly atop the targeted Well(s) a transmitter line is laid out on the surface, mimicking the well path within the subsurface. In this specific job, the length of each Transmitter line will be 6,000?. There will be a total of 2 transmitter lines laid out over 2 targeted Wells respectively. Each transmitter line is connected to Deep Imaging?s Proprietary Transmitter boxes, a yellow box (4? x 3? x 2?) with electrical components inside. Each Transmitter box is mounted on a small trailer that can be moved with a UTV. Adjacent to each transmitter box is a green Sunbelt generator to provide power at 56kW.

Revisions to Operator-Submitted EC Data for Sundry Notice #507638

Operator Submitted BLM Revised (AFMSS)

DISTURB NOI Sundry Type: OTHER NOI

Lease: NMLC062749B NMLC062749B

Agreement: NMNM138329X (NMNM138329X)

Operator:

CONOCOPHILLIPS COMPANY 925 N. ELDRIDGE PARKWAY SUITE EC3-12-W154 HOUSTON, TX 77079 Ph: 832-486-2510 CONOCOPHILLIPS COMPANY 925 N ELDRIDGE PARKWAY HOUSTON, TX 77079 Ph: 281 206 5281

JEREMY LEE REGULATORY COORDINATOR JEREMY LEE Admin Contact:

REGULATORY COORDINATOR E-Mail: jeremy.l.lee@cop.com E-Mail: jeremy.l.lee@cop.com

Ph: 832-486-2510 Ph: 832-486-2510

Tech Contact:

JEREMY LEE REGULATORY COORDINATOR JEREMY LEE REGULATORY COORDINATOR E-Mail: jeremy.l.lee@cop.com E-Mail: jeremy.l.lee@cop.com

Ph: 832-486-2510 Ph: 832-486-2510

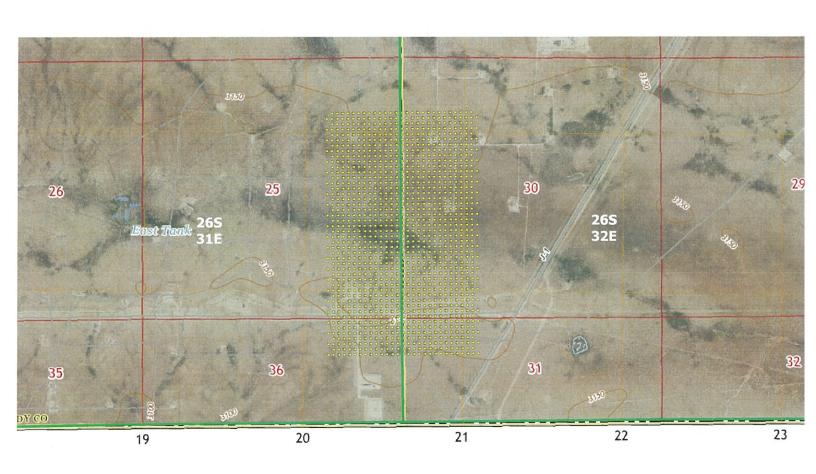
Location: State:

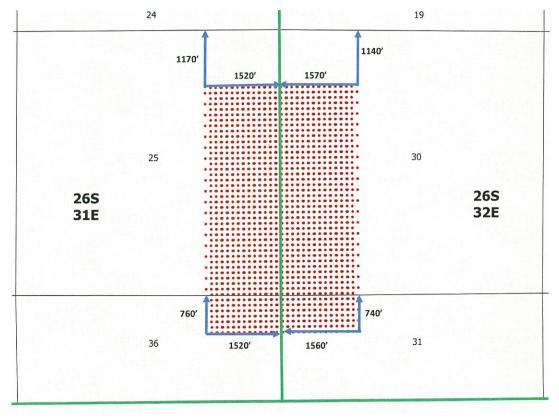
NM LEA LEA COUNTY County:

ZIA HILLS; WOLFCAMP WOLFCAMP Field/Pool:

ZIA HILLS 19 FEDERAL COM 105H Sec 19 T26S R32E Mer NMP 2627FNL 430FWL Well/Facility:

ZIA HILLS 19 FEDERAL COM 105H Sec 19 T26S R32E 2627FNL 430FWL 32.028320 N Lat, 103.721657 W Lon





ConocoPhillips Zia Hills Project

Deep Imaging EM Array Corners:

North West Corner: 1170' from North Section Line, 1520' from East Section Line, Section 25, T26S R31E

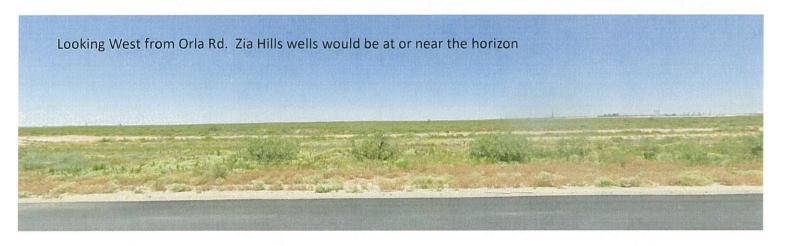
North East Corner: 1140' from North Section Line, 1570' from West Section Line, Section 30, T26S R32E

South East Corner: 740' from North Section Line, 1560' from West Section Line, Section 31, T26S R321E

South West Corner: 760' from North Section Line, 1520' from East Section Line, Section 36 25, T26S R31E



Ground Level View from Hwy 285



- Ground level imagery showing no topographic obstacles for data acquisition
- Very low brush
- Production facility in this photo is east of well paths and proposed layout

PECOS DISTRICT SURFACE USE CONDITIONS OF APPROVAL

OPERATOR'S NAME:

LEASE NO.:

LOCATION:

COUNTY:

ConocoPhillips

NMLC062749B

Section 19, T. 26 S., R. 32 E.

Lea

Well: ZIA HILLS 19 FEDERAL COM 105H Pad 1:

Surface Hole Location: 2627' FNL & 430' FWL, Section 19, T. 26 S., R. 32 E. Bottom Hole Location: 50' FSL & 0' FWL, Section 31, T. 26S, R 32 E.

Sundry#507638 for Electro-Magnetic (EM) Testing

DOI-BLM-NM-P020-2021-0068-CX

These Conditions of Approval shall apply to all aspects of this project. BLM authorization related to this project is subject to full compliance with these conditions.

- The proposed operations are governed by Terms and Conditions to conduct Electro-Magnetic (EM) Testing that provides adequate protection for areas without specific resource concerns, as well as additional conditions to protect specific resources.
- 2. A copy of the Sundry and attachments, including stipulations and map, will be on location during construction. BLM personnel may request to view a copy of your permit during construction to ensure compliance with all stipulations.
- 3. Any changes in location of EM testing lines or test arrays will be brought to the attention of the BLM Authorized Officer prior to changes being applied on the ground.

Lands and Realty Mitigation

4. Prior to beginning operations in an area, ConocoPhillips (Conoco) will survey and identify all infrastructure features in the area, including, but not limited to, roads, powerlines, pipelines, range improvements, fences, wildlife and/or livestock watering structures, etc., regardless of ownership. This infrastructure will be protected by an appropriate buffer and operations of any kind will not be allowed within these buffer areas. Conoco shall be responsible for determining an appropriate buffer. If any damage occurs, Conoco will immediately notify the BLM. Conoco will be responsible for any remediation, including repair and reclamation, which becomes necessary as a result of any damage to infrastructure caused by EM activities.

Cultural Resources Protection

5. All Conoco employees, visitors, and subcontractors associated with EM testing operations shall be informed by Conoco before commencement of operations that any disturbance to, defacement of, or removal of archaeological, historical, or sacred material will not be permitted. Violation of the laws that protect these resources will be treated as law enforcement/administrative issues. Conoco

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- will be held accountable for the conduct of their employees and subcontractors in this regard. BLM recommends reminding all employees, visitors, and subcontractors of their responsibilities under these Federal laws during daily meetings or safety briefings.
- 6. Within the Permian Basin Programmatic Agreement area, Conoco motorized vehicles will avoid all previous recorded eligible or undetermined archaeology sites as per the BLM-CFO geographical information system data. For those sites documented on all State Land Office domains and outside the PB PA, Conoco vehicles are not allowed within any recorded archaeology sites.
- 7. Conoco shall take any additional measures requested by the BLM during the course of operations to provide adequate levels of site protection. These may include but are not limited to:
 - a. Increased archaeological monitoring
 - b. Restrictions on operations due to inclement weather
 - c. More frequent compliance checks by third party contractor.
 - d. Site fencing or use of restrictive barriers
 - e. Site damage evaluations
 - f. Verification of site locations
 - g. Special reclamation measures to reduce erosion or discourage vandalism
- 8. Disclosure or release of information regarding the nature and location of archaeological, historic, or sacred sites without written approval by the BLM is prohibited under the provisions of the Archaeological Resources Protection Act. This requirement for written approval applies regardless of the surface ownership at the location of the site. Cultural resource permittees of the BLM are allowed to use this information during the course of their project(s) for site protection purposes only, and unauthorized use or distribution of this information (which includes locational information present in cultural resource reports) is considered a violation of federal statute. The permitted archaeologist shall be bound by the conditions of their permit which stipulates that all information gathered from Federal lands including reports, photographs, maps etc. is the property of the Federal Government and cannot be provided or released to anyone other than the Federal Government land managing agency.
- Operators may be provided with a copy of archaeological reports and/or maps in order to insure proper protection of sites; however, they must assure proprietary protection and shall not release this information to anyone but project personnel to be used solely during the course of the project.
- 10. If unanticipated or previously unknown cultural resources are discovered at any time during the project activities, all project activities shall halt and the BLM Authorized Officer will be immediately notified. Work shall not resume until a Notice to Proceed is issued by the BLM.
- 11. All known archaeological sites shall be checked for accuracy and flagged for avoidance.
- 12. Certain unimproved access routes may be utilized without prior archaeological survey if agreed upon in writing, in advance of use, with the BLM Cultural Resources staff or their designated representative.
- 13. All identified cultural resources shall be avoided by project-related activities.
- 14. Source lines will be moved a minimum of 100 feet beyond known archaeological site boundaries. Receiver lines will be left in place with no vehicular traffic allowed through the site.
- 15. Only pedestrian traffic shall be allowed within archaeological site boundaries unless stipulated otherwise.
- 16. If avoidance of an archaeological site is not feasible, EM activities shall not be authorized until mitigating measures are developed and implemented and any necessary consultation is

- completed, as determined by the BLM Authorized Officer in consultation with BLM Cultural Resources staff.
- 17. Archaeological monitors may be required in some areas at the discretion of the BLM Cultural Resources staff.

Soils Resource Protection

- 18. No travel shall be allowed on slopes greater than 10% by any wheeled and/or motorized vehicle. This shall include, but not be limited to trucks, buggies, ATV/OHVs, pickup trucks, and other vehicles. Conoco shall be responsible for identifying and maintaining these restrictions.
- 19. Operations shall be suspended if weather conditions or soil/slope conditions would likely result in ruts 3" deep or greater. Ruts shall be measured from the top of the tread indentation to the undisturbed soil surface. Reclamation of any ruts in excess of 3" deep shall include, but not be limited to, hand-raking and seeding the disturbed area with the seed mixes approved by BLM.
- 20. The operator shall minimize the potential for soil compaction and for impacts to sensitive soils by limiting vehicle passes over the same piece of ground to no more than three passes.
- 21. Conoco shall avoid spinning the tires of vehicles to minimize the potential for soil displacement and for impacts to sensitive soils.
- 22. Conoco shall cross roads from an angle other than 90 degrees (dog leg) to minimize detection of tire tracks.
- 23. Trucks shall utilize the most appropriate driving pattern to minimize impacts to soils and vegetation.
- 24. All vehicles should utilize appropriate tire tread and design to minimize impacts to soil resources to the maximum extent practicable.
- 25. Conoco would be required to fully and completely rehabilitate all disturbed sensitive soils in the project area.
- 26. No blading or any location changes, or other dirt work will be allowed without prior approval of the authorized officer and an archaeological clearance.

Hydrology/Watershed Resources

- 27. Vehicles shall not cross perennial water features, except on existing roads or at designated crossing areas.
- 28. Washes or alluvial valleys shall only be crossed by motor vehicles at existing road crossing points. No crossing will occur if water is visible in the channel, except in emergency situations.
- 29. All springs, streams, floodplains, riparian zones, wetlands, and rivers will be buffered by 200 meters from the water's edge. Within this buffer there shall be no vehicular activity, including but not limited to ATVs/OHVs, and other support vehicles.
- 30. To reduce the possibility of disturbing wildlife, no surface disturbance (vehicular traffic) shall be allowed within 200 meters of playa features. Foot traffic would be allowed within the playa to set sources or receivers.

- 31. Conoco will coordinate with BLM natural resource specialist and hydrology specialists to route activity around hydrological features such as rivers, playas, lakes and major drainages. All activity to occur within a hydrological feature must not involve driving heavy vehicles. Instead, Conoco will be required to foot-traffic all equipment into hydrological features.
- 32. Conoco would immediately notify the BLM if any damage occurred to hydrological features such as playas, springs or spring systems, including banks and steep edges.

Rangeland Resources

- 33. All gates within the project area will be left as they are found; i.e. open gates shall be left open, closed gates shall be closed.
- 34. Conoco shall not perform any fence cut without the prior knowledge and approval of the BLM Authorized Officer.
- 35. Before cutting through any fences, Conoco shall firmly brace the fence on both sides of the cut: a temporary gate will be installed for use during the course of operations unless the fence is immediately repaired. Upon completion of operations, fences shall be restored to their original condition or better. If any damage to existing fences occurs as a result of the operations, Conoco shall immediately notify the BLM Authorized Officer. Conoco shall then cause the fences to be repaired per approved BLM fence specifications.
- 36. Removal or alteration of existing range improvements shall be prohibited unless prior approval is obtained from the BLM Authorized Officer.
- 37. Conoco shall instruct all project personnel to take reasonable safety precautions, including but not limited to reducing driving speeds, when driving after dark to avoid collisions with wildlife and livestock.
- 38. Conoco will coordinate with BLM natural resource specialists and range management specialists to avoid any adverse impacts to range studies within the project area. Any impacts to range studies during the life of the project will be reported to the BLM, and impacts will be repaired according to BLM requirements and standards.
- 39. Range Study infrastructure (cage, reference post and trend plot) would be buffered by a 100 foot radius. No vehicle traffic would be allowed within this buffer. Receiver groups would be allowed to be walked in on foot into the buffer zones. Coordination with BLM Authorized Officer and BLM Rangeland Management Specialist is required in order to field identify avoidance areas.
- 40. Structures that provide water to livestock, such as windmills, pipelines, drinking troughs, and earthen reservoirs, will be avoided. Any damage to structures that provide water to livestock must be immediately corrected by Conoco. Conoco must notify the BLM office (575-234-5972) and the private surface landowner or the grazing allotment holder if any damage occurs to structures that provide water to livestock.

Vegetation Resources Mitigation

41. To reduce the impact to vegetation from vehicular traffic, a three pass rule would be in effect for all vehicular travel down surveyed lines, with ATVs being used for maintenance only if necessary.

- Smaller ATV's would be used for layout, troubleshooting, and equipment pick up. All larger vehicles would only use established roads and two-track roads for equipment layout.
- 42. Conoco shall reseed all disturbed areas where BLM has determined that the site will not naturally revegetate in a reasonable time, or that soil stability is threatened. Selected areas will be reseeded by drilling seed with a seed mix approved by the BLM. The BLM may allow the seed to be hand broadcasted and raked if the potential for surface disturbance from bringing in a seed drill would be greater than the area that needed seeding. Native seeds will be used and local varieties will be used to the extent that these are available.
- 43. Conoco shall clean all off-road equipment to remove seed and soil (may contain seed) prior to commencing operations on public lands within the project area. There will be a designated noxious weed wash at the staging area.
- 44. Conoco shall avoid shrubs and large stands of cactus and Yucca over six feet tall to the maximum extent possible by weaving vehicles around individuals and patches.
- 45. No trees will be cut or otherwise downed within the project area.
- 46. Conoco would be held responsible if noxious weeds became established within the proposed project area as a result of EM testing operations. Weed control would be required on the disturbed land where noxious weeds exist, which includes the area of the seismic operation and adjacent land affected by the establishment of weeds due to the proposed action. Conoco would consult with the BLM Authorized Officer for acceptable weed control methods, which include following EPA and BLM requirements and policies.
- 47. Best management practices for noxious weeds must be followed. All equipment must be washed off using a power washer in a designated containment area. The containment area needs to be bermed to allow for containment of the seed to prevent it from entering any open areas of the nearby landscape. The containment area needs to be excavated near or adjacent to the well pad at a depth of three feet and just large enough to get equipment inside it to be washed off. This will allow all seeds to be in a centrally located area that can be treated at a later date if the need arises.

Sensitive Wildlife Species and Special Status Wildlife Species

- 48. Conoco shall utilize existing disturbance as much as possible throughout the duration of the project.
- 49. To reduce the chances of disturbing wildlife, no surface disturbance would be allowed within 200 meters of playa features.
- 50. No trees would be cut, downed or adversely impacted within the project area.
- 51. Any active nests or burrowing owl burrows are to be avoided by a buffer of 200 meters.
- 52. Crossings of drainages with vehicle traffic would be limited to existing road crossings.
- 53. Wildlife projects (water tanks, troughs, shade structures, etc.) would be buffered by a 200 meter radius. No vehicle traffic would be allowed within this buffer. Receiver groups would be allowed to be walked in on foot into the buffer zones but would require avoidance of any areas with a project enclosure (fence) entirely.

- 54. Conoco will coordinate with BLM natural resource specialists and wildlife biologists to reroute EM testing lines and equipment around sensitive species such as the Sheers Beehive Cactus.
- 55. Project field participants will be trained in identification of the relevant BLM special status plant species, and any suspected observations of the relevant species will be avoided and reported (via an e-mail including an image and GPS coordinates for each observation) to the Authorized Officer as soon as possible. Any confirmed special status species will be avoided by a 20 meter buffer.
- 56. Prior to beginning operations in potential habitat, Conoco will survey all source and off-road frequent vehicle travel routes for any occurrences of *Coryphantha robustispina* var. *scheeri* (Scheer's beehive cactus); any occurrences will be documented and mapped for avoidance, and survey results will be reported to the BLM. Any occurrences will be avoided by a 20 meter buffer, and vehicle travel of any kind will not be allowed within these buffer areas unless explicitly authorized. If any damage occurs, Conoco will immediately notify the BLM. Conoco will be responsible for any remediation, including impact monitoring, which becomes necessary as a result of any damage to special status species and their occupied habitats caused by EM testing activities. Conoco will obtain BLM approval on modified off-road frequent vehicle travel routes prior to project or tier implementation.
- 57. Conoco will obtain BLM approval on the modified source and off-road frequent vehicle travel routes prior to project or tier implementation.

Hazardous/Solid Waste

- 58. If fuels or other bulk chemicals are stored at work staging sites, secondary containment shall be placed under and around all chemical and fuel storage containers in a manner that the containment captures any drips or spillage created by dispensing from the primary container or any container failure. Secondary containment shall be adequate to hold the contents of the primary container. Conoco shall take measures to ensure that fueling areas are not located at low lying sites or caliche pits that could create a confined space for fuel fumes to collect.
- 59. All fuel and flammable liquid bulk storage containers shall be properly grounded.
- 60. Conoco shall immediately report any leakages or releases of chemicals, fuels, hazardous materials, or refined oil to the BLM Hazardous Materials Specialist.
- 61. Conoco shall clean up all solid and liquid wastes, hazardous or otherwise, and including but not limited to diesel, fuel, hydraulic fluid, lubricating oil or other spills. Conoco shall work with a BLM authorized officer on spill delineation requirements, spill clean-up, and final reclamation of spill sites. All spill-related material and contaminated soil shall be hauled to a disposal site approved by the State of New Mexico.
- 62. Conoco shall not litter. Littering is against state and federal laws, both at the work site and along transportation routes to the work site.
- 63. All solid wastes, including but not limited to flagging, stakes, broken equipment, flat tires, small debris, water bottles, and other litter, shall be picked up and removed to an approved solid waste refuse site.

Public Health and Safety

- 64. Signs will be located at nearby intersections on either side during all planned activities warning the public that EM testing activity will be occurring. Conoco shall coordinate any needed county road closings with county officials.
- 65. To reduce the likelihood of vehicle collisions and accidents, Conoco shall use flagmen and signage when working in the vicinity of any improved road or highway.
- 66. When moving heavy machinery on roads, Conoco shall use vehicle escorts to accompany the equipment convoy.

<u>District I</u> 1625 N. French Dr., Hobbs, NM 88240 Phone:(575) 393-6161 Fax:(575) 393-0720

811 S. First St., Artesia, NM 88210 Phone:(575) 748-1283 Fax:(575) 748-9720 District III
1000 Rio Brazos Rd., Aztec, NM 87410

Phone:(505) 334-6178 Fax:(505) 334-6170

1220 S. St Francis Dr., Santa Fe, NM 87505 Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico Energy, Minerals and Natural Resources Oil Conservation Division 1220 S. St Francis Dr. **Santa Fe, NM 87505**

CONDITIONS

Action 15168

CONDITIONS OF APPROVAL

Operator:	OGRID:	Action Number:	Action Type:
CONOCOPHILLIPS COMPANY P.O.Box 2197	217817	15168	C-103X
Office SP2-12-W156 Houston, TX77252			

OCD Reviewer	Condition
pkautz	None