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District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

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

Form C-144
Revised June 6, 2013

For temporary pits, below-grade tanks, and multi-well fluid management pits, submit to the appropriate NMOCD District Office.
For permanent pits submit to the Santa Fe Environmental Bureau office and provide a copy to the appropriate NMOCD District Office.

Pit, Below-Grade Tank, or Proposed Alternative Method Permit or Closure Plan Application

Type of action:
- ☐ Below grade tank registration
- ☒ Permit of a pit or proposed alternative method
- ☐ Closure of a pit, below-grade tank, or proposed alternative method
- ☐ Modification to an existing permit/or registration
- ☐ Closure plan only submitted for an existing permitted or non-permitted pit, below-grade tank, or proposed alternative method

Instructions: Please submit one application (Form C-144) per individual pit, below-grade tank or alternative request

Please be advised that approval of this request does not relieve the operator of liability should operations result in pollution of surface water, ground water or the environment. Nor does approval relieve the operator of its responsibility to comply with any other applicable governmental authority's rules, regulations or ordinances.

1.
Operator: Fasken Oil and Ranch, Ltd. OGRID #: 151416
Address: 6101 Holiday Hill Road, Midland, TX 79707
Facility or well name: Quail "16" State No. 8H
API Number: 30-025-41366 OCD Permit Number:
U/L or Qtr/Qtr O Section 16 Township 20S Range 34E County: Lea
Center of Proposed Design: Latitude N 32° 34' 00.30" Longitude W 103° 33' 48.84" NAD: ☒ 1927 ☐ 1983
Surface Owner: ☐ Federal ☒ State ☐ Private ☐ Tribal Trust or Indian Allotment

2.
☒ **Pit:** Subsection F, G or J of 19.15.17.11 NMAC
Temporary: ☒ Drilling ☐ Workover
☐ Permanent ☐ Emergency ☐ Cavitation ☐ P&A ☐ Multi-Well Fluid Management Low Chloride Drilling Fluid ☐ yes ☐ no
☒ Lined ☐ Unlined Liner type: Thickness 20 mil ☐ LLDPE ☒ HDPE ☐ PVC ☐ Other
☒ String-Reinforced
Liner Seams: ☒ Welded ☐ Factory ☐ Other Volume: 34,000 bbl Dimensions: L 165' x W 165' x D 7'

3.
☐ **Below-grade tank:** Subsection I of 19.15.17.11 NMAC
Volume: bbl Type of fluid:
Tank Construction material:
☐ Secondary containment with leak detection ☐ Visible sidewalls, liner, 6-inch lift and automatic overflow shut-off
☐ Visible sidewalls and liner ☐ Visible sidewalls only ☐ Other
Liner type: Thickness mil ☐ HDPE ☐ PVC ☐ Other

4.
☐ **Alternative Method:**
Submittal of an exception request is required. Exceptions must be submitted to the Santa Fe Environmental Bureau office for consideration of approval.

5.
Fencing: Subsection D of 19.15.17.11 NMAC *(Applies to permanent pits, temporary pits, and below-grade tanks)*
☐ Chain link, six feet in height, two strands of barbed wire at top *(Required if located within 1000 feet of a permanent residence, school, hospital, institution or church)*
☒ Four foot height, four strands of barbed wire evenly spaced between one and four feet
☐ Alternate. Please specify

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6.

Netting: Subsection E of 19.15.17.11 NMAC *(Applies to permanent pits and permanent open top tanks)*

☐ Screen ☐ Netting ☐ Other_____

☐ Monthly inspections (If netting or screening is not physically feasible)

7.

Signs: Subsection C of 19.15.17.11 NMAC

☒ 12"x 24", 2" lettering, providing Operator's name, site location, and emergency telephone numbers

☐ Signed in compliance with 19.15.16.8 NMAC

8.

Variances and Exceptions:

Justifications and/or demonstrations of equivalency are required. Please refer to 19.15.17 NMAC for guidance.

Please check a box if one or more of the following is requested, if not leave blank:

☐ Variance(s): Requests must be submitted to the appropriate division district for consideration of approval.

☐ Exception(s): Requests must be submitted to the Santa Fe Environmental Bureau office for consideration of approval.

9.

Siting Criteria (regarding permitting): 19.15.17.10 NMAC

Instructions: The applicant must demonstrate compliance for each siting criteria below in the application. Recommendations of acceptable source material are provided below. **Siting criteria does not apply to drying pads or above-grade tanks.**

General siting	
Ground water is less than 25 feet below the bottom of a low chloride temporary pit or below-grade tank. - ☒ NM Office of the State Engineer - iWATERS database search; ☐ USGS; ☐ Data obtained from nearby wells	☐ Yes ☒ No ☐ NA
Ground water is less than 50 feet below the bottom of a Temporary pit, permanent pit, or Multi-Well Fluid Management pit. NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells	☐ Yes ☒ No ☐ NA
Within incorporated municipal boundaries or within a defined municipal fresh water well field covered under a municipal ordinance adopted pursuant to NMSA 1978, Section 3-27-3, as amended. **(Does not apply to below grade tanks)** - Written confirmation or verification from the municipality; Written approval obtained from the municipality	☐ Yes ☒ No
Within the area overlying a subsurface mine. **(Does not apply to below grade tanks)** - Written confirmation or verification or map from the NM EMNRD-Mining and Mineral Division	☐ Yes ☒ No
Within an unstable area. **(Does not apply to below grade tanks)** - Engineering measures incorporated into the design; NM Bureau of Geology & Mineral Resources; USGS; NM Geological Society; Topographic map	☐ Yes ☒ No
Within a 100-year floodplain. **(Does not apply to below grade tanks)** - FEMA map	☐ Yes ☒ No
Below Grade Tanks	
Within 100 feet of a continuously flowing watercourse, significant watercourse, lake bed, sinkhole, wetland or playa lake (measured from the ordinary high-water mark). - Topographic map; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Within 200 horizontal feet of a spring or a fresh water well used for public or livestock consumption;. - NM Office of the State Engineer - iWATERS database search; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Temporary Pit using Low Chloride Drilling Fluid (maximum chloride content 15,000 mg/liter)	
Within 100 feet of a continuously flowing watercourse, or any other significant watercourse or within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark). (Applies to low chloride temporary pits.) - Topographic map; Visual inspection (certification) of the proposed site	☐ Yes ☒ No
Within 300 feet from a occupied permanent residence, school, hospital, institution, or church in existence at the time of initial application. - Visual inspection (certification) of the proposed site; Aerial photo; Satellite image	☐ Yes ☒ No
Within 200 horizontal feet of a spring or a private, domestic fresh water well used by less than five households for domestic or stock watering purposes, or 300feet of any other fresh water well or spring, in existence at the time of the initial application. NM Office of the State Engineer - iWATERS database search; Visual inspection (certification) of the proposed site	☐ Yes ☒ No

Within 100 feet of a wetland. - US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site	☐ Yes ☒ No
Temporary Pit Non-low chloride drilling fluid	
Within 300 feet of a continuously flowing watercourse, or any other significant watercourse, or within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark). - Topographic map; Visual inspection (certification) of the proposed site	☐ Yes ☒ No
Within 300 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application. - Visual inspection (certification) of the proposed site; Aerial photo; Satellite image	☐ Yes ☒ No
Within 500 horizontal feet of a spring or a private, domestic fresh water well used by less than five households for domestic or stock watering purposes, or 1000 feet of any other fresh water well or spring, in the existence at the time of the initial application; - NM Office of the State Engineer - iWATERS database search; Visual inspection (certification) of the proposed site	☐ Yes ☒ No
Within 300 feet of a wetland. - US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site	☐ Yes ☒ No
Permanent Pit or Multi-Well Fluid Management Pit	
Within 300 feet of a continuously flowing watercourse, or 200 feet of any other significant watercourse, or lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark). - Topographic map; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Within 1000 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application. - Visual inspection (certification) of the proposed site; Aerial photo; Satellite image	☐ Yes ☐ No
Within 500 horizontal feet of a spring or a fresh water well used for domestic or stock watering purposes, in existence at the time of initial application. - NM Office of the State Engineer - iWATERS database search; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Within 500 feet of a wetland. - US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site	☐ Yes ☐ No

10.
Temporary Pits, Emergency Pits, and Below-grade Tanks Permit Application Attachment Checklist: Subsection B of 19.15.17.9 NMAC
Instructions: Each of the following items must be attached to the application. Please indicate, by a check mark in the box, that the documents are attached.

☐ Hydrogeologic Report (Below-grade Tanks) - based upon the requirements of Paragraph (4) of Subsection B of 19.15.17.9 NMAC
☒ Hydrogeologic Data (Temporary and Emergency Pits) - based upon the requirements of Paragraph (2) of Subsection B of 19.15.17.9 NMAC
☐ Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC
☒ Design Plan - based upon the appropriate requirements of 19.15.17.11 NMAC
☒ Operating and Maintenance Plan - based upon the appropriate requirements of 19.15.17.12 NMAC
☒ Closure Plan (Please complete Boxes 14 through 18, if applicable) - based upon the appropriate requirements of Subsection C of 19.15.17.9 NMAC and 19.15.17.13 NMAC

☐ Previously Approved Design (attach copy of design) API Number: _____ or Permit Number: _____

11.
Multi-Well Fluid Management Pit Checklist: Subsection B of 19.15.17.9 NMAC
Instructions: Each of the following items must be attached to the application. Please indicate, by a check mark in the box, that the documents are attached.

☐ Design Plan - based upon the appropriate requirements of 19.15.17.11 NMAC
☐ Operating and Maintenance Plan - based upon the appropriate requirements of 19.15.17.12 NMAC
☐ A List of wells with approved application for permit to drill associated with the pit.
☐ Closure Plan (Please complete Boxes 14 through 18, if applicable) - based upon the appropriate requirements of Subsection C of 19.15.17.9 NMAC and 19.15.17.13 NMAC
☐ Hydrogeologic Data - based upon the requirements of Paragraph (4) of Subsection B of 19.15.17.9 NMAC
☐ Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC

☐ Previously Approved Design (attach copy of design) API Number: _____ or Permit Number: _____

12.
Permanent Pits Permit Application Checklist: Subsection B of 19.15.17.9 NMAC
Instructions: Each of the following items must be attached to the application. Please indicate, by a check mark in the box, that the documents are attached.

- ☐ Hydrogeologic Report - based upon the requirements of Paragraph (1) of Subsection B of 19.15.17.9 NMAC
- ☐ Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC
- ☐ Climatological Factors Assessment
- ☐ Certified Engineering Design Plans - based upon the appropriate requirements of 19.15.17.11 NMAC
- ☐ Dike Protection and Structural Integrity Design - based upon the appropriate requirements of 19.15.17.11 NMAC
- ☐ Leak Detection Design - based upon the appropriate requirements of 19.15.17.11 NMAC
- ☐ Liner Specifications and Compatibility Assessment - based upon the appropriate requirements of 19.15.17.11 NMAC
- ☐ Quality Control/Quality Assurance Construction and Installation Plan
- ☐ Operating and Maintenance Plan - based upon the appropriate requirements of 19.15.17.12 NMAC
- ☐ Freeboard and Overtopping Prevention Plan - based upon the appropriate requirements of 19.15.17.11 NMAC
- ☐ Nuisance or Hazardous Odors, including H_2S, Prevention Plan
- ☐ Emergency Response Plan
- ☐ Oil Field Waste Stream Characterization
- ☐ Monitoring and Inspection Plan
- ☐ Erosion Control Plan
- ☐ Closure Plan - based upon the appropriate requirements of Subsection C of 19.15.17.9 NMAC and 19.15.17.13 NMAC

13.
Proposed Closure: 19.15.17.13 NMAC
Instructions: Please complete the applicable boxes, Boxes 14 through 18, in regards to the proposed closure plan.

Type: ☒ Drilling ☐ Workover ☐ Emergency ☐ Cavitation ☐ P&A ☐ Permanent Pit ☐ Below-grade Tank ☐ Multi-well Fluid Management Pit ☐ Alternative

Proposed Closure Method: ☒ Waste Excavation and Removal
☐ Waste Removal (Closed-loop systems only)
☐ On-site Closure Method (Only for temporary pits and closed-loop systems)
☐ In-place Burial ☐ On-site Trench Burial
☐ Alternative Closure Method

14.
Waste Excavation and Removal Closure Plan Checklist: (19.15.17.13 NMAC) ***Instructions: Each of the following items must be attached to the closure plan. Please indicate, by a check mark in the box, that the documents are attached.***

- ☐ Protocols and Procedures - based upon the appropriate requirements of 19.15.17.13 NMAC
- ☒ Confirmation Sampling Plan (if applicable) - based upon the appropriate requirements of Subsection C of 19.15.17.13 NMAC
- ☒ Disposal Facility Name and Permit Number (for liquids, drilling fluids and drill cuttings)
- ☒ Soil Backfill and Cover Design Specifications - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC
- ☒ Re-vegetation Plan - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC
- ☒ Site Reclamation Plan - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC

15.
Siting Criteria (regarding on-site closure methods only): 19.15.17.10 NMAC
Instructions: Each siting criteria requires a demonstration of compliance in the closure plan. Recommendations of acceptable source material are provided below. Requests regarding changes to certain siting criteria require justifications and/or demonstrations of equivalency. Please refer to 19.15.17.10 NMAC for guidance.

Ground water is less than 25 feet below the bottom of the buried waste. - NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells	☐ Yes ☒ No ☐ NA
Ground water is between 25-50 feet below the bottom of the buried waste - NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells	☐ Yes ☒ No ☐ NA
Ground water is more than 100 feet below the bottom of the buried waste. 135' - NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells	☒ Yes ☐ No ☐ NA
Within 100 feet of a continuously flowing watercourse, or 200 feet of any other significant watercourse, lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark). - Topographic map; Visual inspection (certification) of the proposed site	☐ Yes ☒ No
Within 300 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application. - Visual inspection (certification) of the proposed site; Aerial photo; Satellite image	☐ Yes ☒ No
Within 300 horizontal feet of a private, domestic fresh water well or spring used for domestic or stock watering purposes, in existence at the time of initial application. - NM Office of the State Engineer - iWATERS database; Visual inspection (certification) of the proposed site	☐ Yes ☒ No
Written confirmation or verification from the municipality; Written approval obtained from the municipality	☐ Yes ☒ No
Within 300 feet of a wetland. US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site	☐ Yes ☒ No
Within incorporated municipal boundaries or within a defined municipal fresh water well field covered under a municipal ordinance	

adopted pursuant to NMSA 1978, Section 3-27-3, as amended. - Written confirmation or verification from the municipality; Written approval obtained from the municipality	☐ Yes ☒ No
Within the area overlying a subsurface mine. - Written confirmation or verification or map from the NM EMNRD-Mining and Mineral Division	☐ Yes ☒ No
Within an unstable area. - Engineering measures incorporated into the design; NM Bureau of Geology & Mineral Resources; USGS; NM Geological Society; Topographic map	☐ Yes ☒ No
Within a 100-year floodplain. - FEMA map	☐ Yes ☒ No

16.
On-Site Closure Plan Checklist: (19.15.17.13 NMAC) ***Instructions: Each of the following items must be attached to the closure plan. Please indicate, by a check mark in the box, that the documents are attached.***

- ☐ Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC
- ☐ Proof of Surface Owner Notice - based upon the appropriate requirements of Subsection E of 19.15.17.13 NMAC
- ☐ Construction/Design Plan of Burial Trench (if applicable) based upon the appropriate requirements of Subsection K of 19.15.17.11 NMAC
- ☐ Construction/Design Plan of Temporary Pit (for in-place burial of a drying pad) - based upon the appropriate requirements of 19.15.17.11 NMAC
- ☐ Protocols and Procedures - based upon the appropriate requirements of 19.15.17.13 NMAC
- ☐ Confirmation Sampling Plan (if applicable) - based upon the appropriate requirements of 19.15.17.13 NMAC
- ☐ Waste Material Sampling Plan - based upon the appropriate requirements of 19.15.17.13 NMAC
- ☐ Disposal Facility Name and Permit Number (for liquids, drilling fluids and drill cuttings or in case on-site closure standards cannot be achieved)
- ☐ Soil Cover Design - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC
- ☐ Re-vegetation Plan - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC
- ☐ Site Reclamation Plan - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC

17.
Operator Application Certification:

I hereby certify that the information submitted with this application is true, accurate and complete to the best of my knowledge and belief.

Name (Print): Kim Tyson Title: Regulatory Analyst

Signature: Kim Tyson Date: 8-20-2013

e-mail address: kimt@forl.com Telephone: 432-687-1777

18.
OCD Approval: ☐ Permit Application (including closure plan) ☐ Closure Plan (only) ☐ OCD Conditions (see attachment)

OCD Representative Signature: _____ **Approval Date:** _____

Title: _____ **OCD Permit Number:** _____

19.
Closure Report (required within 60 days of closure completion): 19.15.17.13 NMAC

Instructions: Operators are required to obtain an approved closure plan prior to implementing any closure activities and submitting the closure report. The closure report is required to be submitted to the division within 60 days of the completion of the closure activities. Please do not complete this section of the form until an approved closure plan has been obtained and the closure activities have been completed.

☐ **Closure Completion Date:** _____

20.
Closure Method:

☐ Waste Excavation and Removal ☐ On-Site Closure Method ☐ Alternative Closure Method ☐ Waste Removal (Closed-loop systems only)
☐ If different from approved plan, please explain.

21.
Closure Report Attachment Checklist: ***Instructions: Each of the following items must be attached to the closure report. Please indicate, by a check mark in the box, that the documents are attached.***

- ☐ Proof of Closure Notice (surface owner and division)
- ☐ Proof of Deed Notice (required for on-site closure for private land only)
- ☐ Plot Plan (for on-site closures and temporary pits)
- ☐ Confirmation Sampling Analytical Results (if applicable)
- ☐ Waste Material Sampling Analytical Results (required for on-site closure)
- ☐ Disposal Facility Name and Permit Number
- ☐ Soil Backfilling and Cover Installation
- ☐ Re-vegetation Application Rates and Seeding Technique
- ☐ Site Reclamation (Photo Documentation)

On-site Closure Location: Latitude _____ Longitude _____ NAD: ☐1927 ☐ 1983

22.

Operator Closure Certification:

I hereby certify that the information and attachments submitted with this closure report is true, accurate and complete to the best of my knowledge and belief. I also certify that the closure complies with all applicable closure requirements and conditions specified in the approved closure plan.

Name (Print): _____ Title: _____

Signature: _____ Date: _____

e-mail address: _____ Telephone: _____

August 20, 2013

Fasken Oil and Ranch, Ltd.
Quail "16" State No. 8H
SHL - 262' FSL and 2080' FEL Sec. 16, T20S, R34E
BHL – 330' FNL and 2080' FEL, Sec. 16, T20S, R34E
Lea County, NM

RE: Form C-144 Attachment

Hydrogeologic Data: Per Geoffrey Lecking, Environmental Engineer, OCD Hobbs groundwater is found at 135' beneath this section. A visual inspection of the immediate area has been made and there are no known water wells within a 1 mile radius of this drilling location.

Design Plan: Pit size will be approximately 165' X 165' X 7' double horseshoe design. A geotextile liner will be installed along with a 20 mil HDPE cross laminated liner.

Operating and Maintenance Plan: Pit will be monitored daily for proper fluid levels during drilling operations. A daily log will be kept indicating the fluid level in the pit. Any abnormal drop in fluid levels will be reported to the NMOCD district office. The pit will be de-watered immediately after drilling operations have been completed. The pit will be inspected weekly after de-watering and a log will be kept indicating the condition of the pit and any fluid level.

Closure Plan: After de-watering the pit will be left to dry through natural evaporation. Pit will be backfilled with topsoil that has been stripped or stockpiled. It will consist of the background thickness of topsoil or one foot of suitable material to establish vegetation. The drill cuttings will be dug out and hauled to an NMOCD approved disposal. At the current time the Controlled Recovery Incoporated disposal facility on the Lea Land Disposal Facility at Halfway Bar will be utilized for drill cuttings disposal. The permit number for the each facility is shown on the attachment.

Maps: A topographic map is attached showing the surrounding area. FEMA reports that a 100 year flood plain map has not been constructed for this area. A visual inspection of the area does not indicate that flooding or standing water would occur.

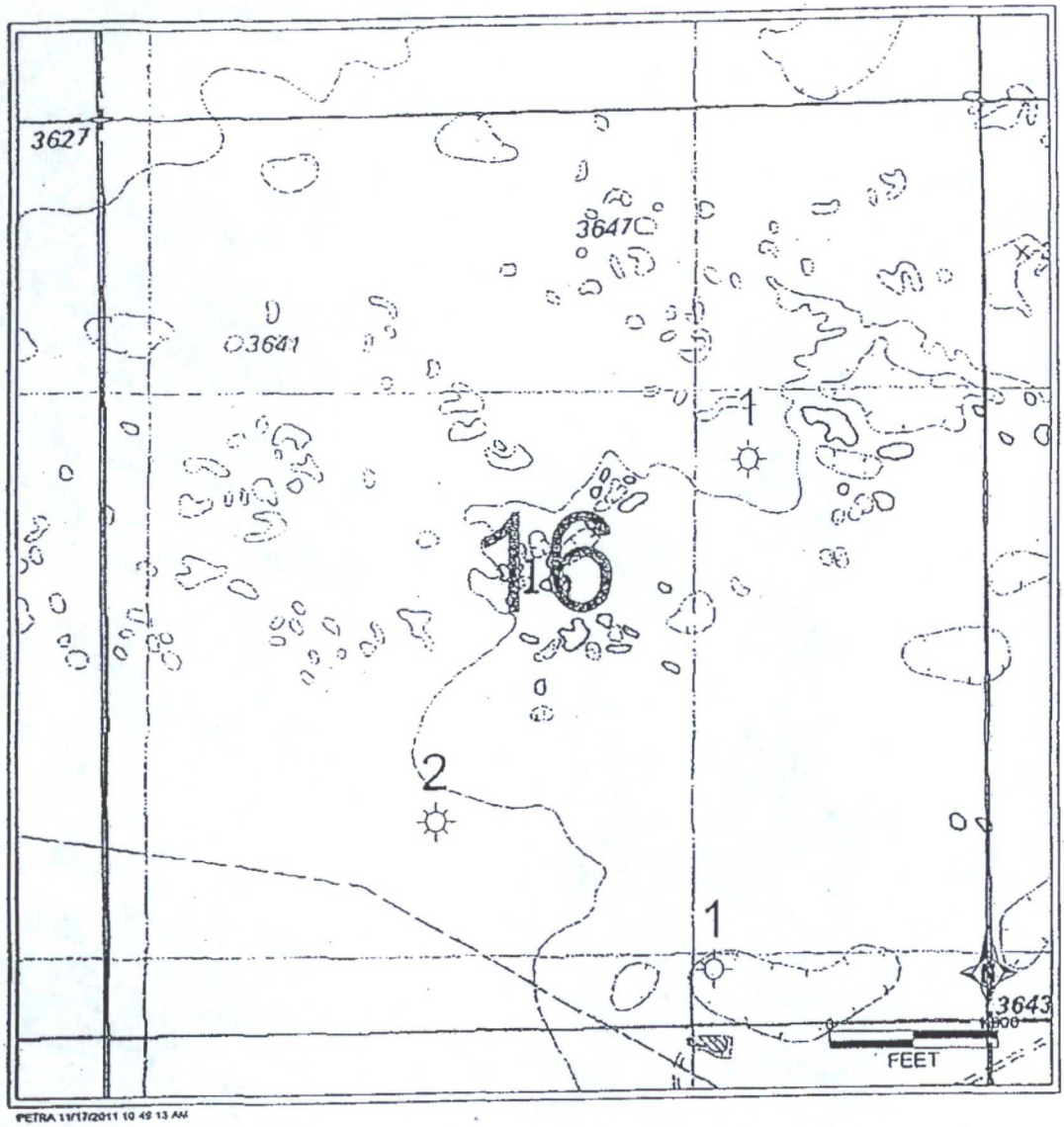
An attachment is provided showing the pit design as drawn by Talon LPE.

Form C-102 is attached showing the pit location. The latitude and longitude for the pit is shown on the plat. This data reference is the center of the pit.

The area will be revegitated with at least three native plant species, including at least on grass, but not including noxious weeds. This will be maintained through two growing seasons. The area will be revegitated to the natural state is was in before drilling operations started.

Waste Material Sampling Plan: Talon LPE will take a minimum of a 5 spot soil sample after the reserve pit is dug prior to lining. After drilling the well, Talon LPE will sample the pit contents and determine if the requirements for contaminants in the waste meet NMOCD standards. We will dig and haul the pit contents to CRI disposal facility on the Lea Land Disposal Facility. We will have Talon LPE take another 5 spot sample after the waste has been removed from the pit to verify that soil standards have been met.

A sign will be placed on the 4', 4 strand barb-wire fence identifying Fasken Oil and Ranch, Ltd. as the operator, the location of the pit, and providing an emergency phone number.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Permit No	Company Name	Effective	County	Facility Name	Legals
19	GANDY MARLEY INC	10/06/1994	Chaves	GANDY MARLEY LANDFARM	-4-11 S-31 E
28	OLD LOCO OIL CO	07/02/1985	Eddy	OLD LOCO TREATING PLANT	-19-17 S-31 E
43	Loco Hills Landfarm LLC	11/08/2004	Eddy	Loco Hills Landfarm	m-32-16 S-30 E
4	LOCO HILLS WATER DISPOSAL	10/30/1981	Eddy	LOCO HILLS WATER DISPOSAL	M-16-17 S-30 E
36	OK HOT OIL SERVICE INC	08/16/2000	Eddy	OK HOT OIL SERVICES INC	O-14-17 S-28 E
24	CHAPARRAL SWD	01/31/1995	Lea	CHAPARRAL TREATING PLANT	B-17-23 S-37 E
35	LEA LAND INC	01/05/2000	Lea	LEA LAND LANDFILL	-32-20 S-32 E
12	C&C LANDFARM INC	11/16/1992	Lea	C&C LANDFARM	B-3-20 S-37 E
13	ENVIRONMENTAL PLUS INC	02/15/1993	Lea	ENVIRONMENTAL PLUS LANDFARM	-14-22 S-37 E
15	GOO YEA LANDFARM INC	11/16/1992	Lea	GOO YEA LANDFARM	-14-11 S-38 E
23	J&L LANDFARM INC	05/10/1998	Lea	J&L LANDFARM	-9-20 S-38 E
25	GANDY CORP	06/27/1973	Lea	Gandy Corp. Treating Plant	-11-10 S-35 E
26	JENEX OPERATING CO	09/21/1983	Lea	JENEX TREATING PLANT	D-14-20 S-38 E
30	ARTESIA AERATION LLC	06/29/1999	Lea	ARTESIA AERATION LANDFARM	-7-17 S-32 E
32	SOUTH MONUMENT SURFACE WASTE FACILITY LLC	10/04/1999	Lea	SOUTH MONUMENT LANDFARM	A-25-36 S-20 E
33	DOOM LANDFARM	04/03/2000	Lea	DOOM LANDFARM	g-5-25 S-37 E
34	DD LANDFARM INC	04/12/2000	Lea	DD LANDFARM	-31-21 S-38 E
21	RHINO OILFIELD DISPOSAL INC	11/17/1997	Lea	RHINO OILFIELD LANDFARM	-34-20 S-38 E
44	COMMERCIAL EXCHANGE, INC.	11/01/2004	Lea	Blackwater Oil Reclamation Facility	d-1-25 S-37 E
39	PITCHFORK LANDFARM LLC	10/30/2002	Lea	PITCHFORK LANDFARM	A-5-24 S-34 E
6	CONTROLLED RECOVERY INC	04/27/1990	Lea	CONTROLLED RECOVERY	-27-20 S-32 E
42	COMMERCIAL EXCHANGE, INC.	07/22/2004	Lea	Blackwater Landfarm	f-1-25 S-37 E
38	SAUNDERS LANDFARM LLC	10/28/2002	Lea	SAUNDERS LANDFARM	M-7-14 S-34 E
41	LAZY ACE LANDFARM LLC	03/09/2004	Lea	LAZY ACE LANDFARM	M-22-20 S-34 E
3	SUNDANCE SERVICES, INC.	08/30/1977	Lea	SUNDANCE PARABO	m-29-21 S-38 E
37	COMMERCIAL EXCHANGE, INC.	03/31/2003	Lea	COMMERCIAL SURFACE WM FACILITY	A-1-20 S-36 E
8	T-N-T ENVIRONMENTAL INC	01/19/1987	Rio Arriba	TNT EVAP POND/LANDFARM	-8-25 N-3 W
11	ENVIROTECH INC	07/07/1992	San Juan	ENVIROTECH LANDFARM #2	-6-26 N-10 W
9	KEY FOUR CORNERS INC	04/02/1991	San Juan	KEY EVAP POND and Landfarm	E-2-29 N-12 W
10	JFJ LANDFARM LLC	07/22/2002	San Juan	JFJ Land Farm Crouch Mesa (Formerly Tierra)	j-2-29 N-12 W
5	BASIN DISPOSAL INC	10/16/1987	San Juan	BASIN DISPOSAL EVAP. POND	F-3-29 N-11 W

DISTRICT I
1625 N. French Dr., Hobbs, NM 88240
Phone (575) 393-6161 Fax: (575) 393-0720
DISTRICT II
611 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
DISTRICT IV
1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone (505) 476-3460 Fax: (505) 476-3462

State of New Mexico
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION

1220 South St. Francis Dr.
Santa Fe, New Mexico 87505

Form C-102
Revised August 1, 2011

Submit one copy to appropriate District Office

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number	Pool Code	Pool Name
	37570	Lea; Bone Spring, South

Property Code	Property Name	Well Number
36547	QUAIL STATE "16"	8 H

OGRID No.	Operator Name	Elevation
151416	FASKEN OIL AND RANCH, LTD	3637'

Surface Location

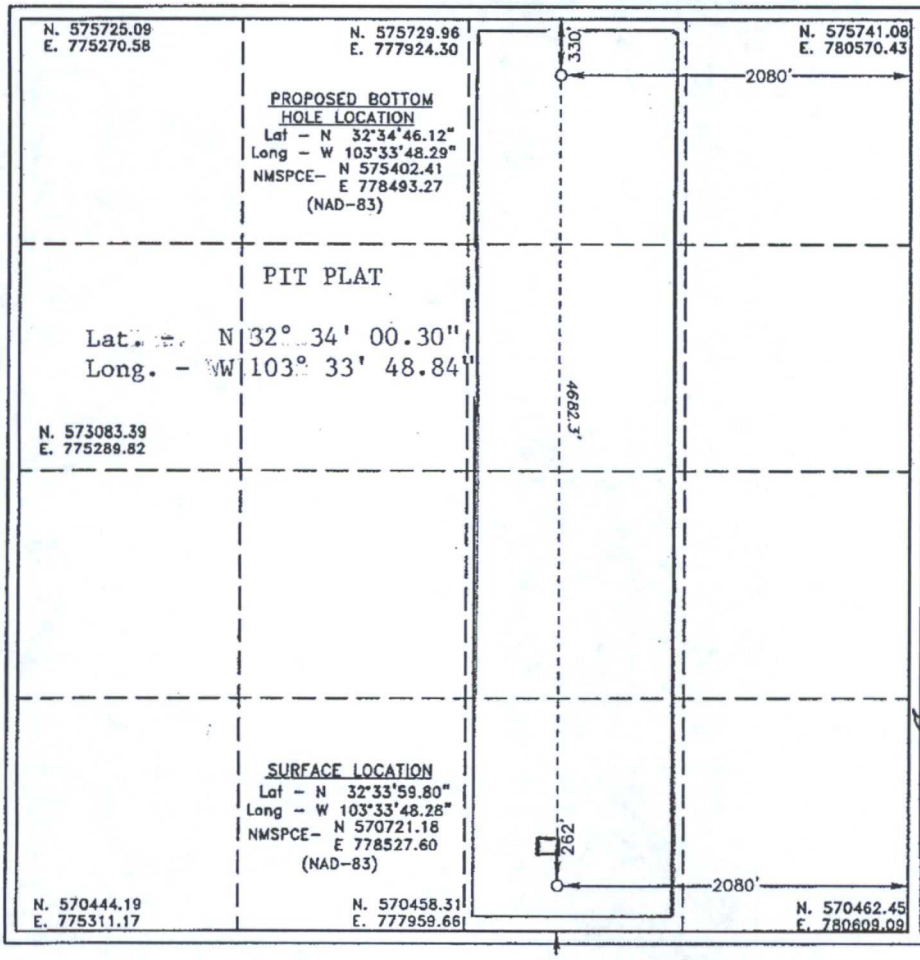
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
O	16	20 S	34 E		262	SOUTH	2080	EAST	LEA

Bottom Hole Location If Different From Surface

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
B	16	20 S	34 E		330	NORTH	2080	EAST	LEA

Dedicated Acres	Joint or Infill	Consolidation Code	Order No.
160			

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION



OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Kim Tyson 8-20-2013
Signature Date

Kim Tyson
Printed Name

kimt@for1.com
Email Address

SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervison, and that the same is true and correct to the best of my belief.

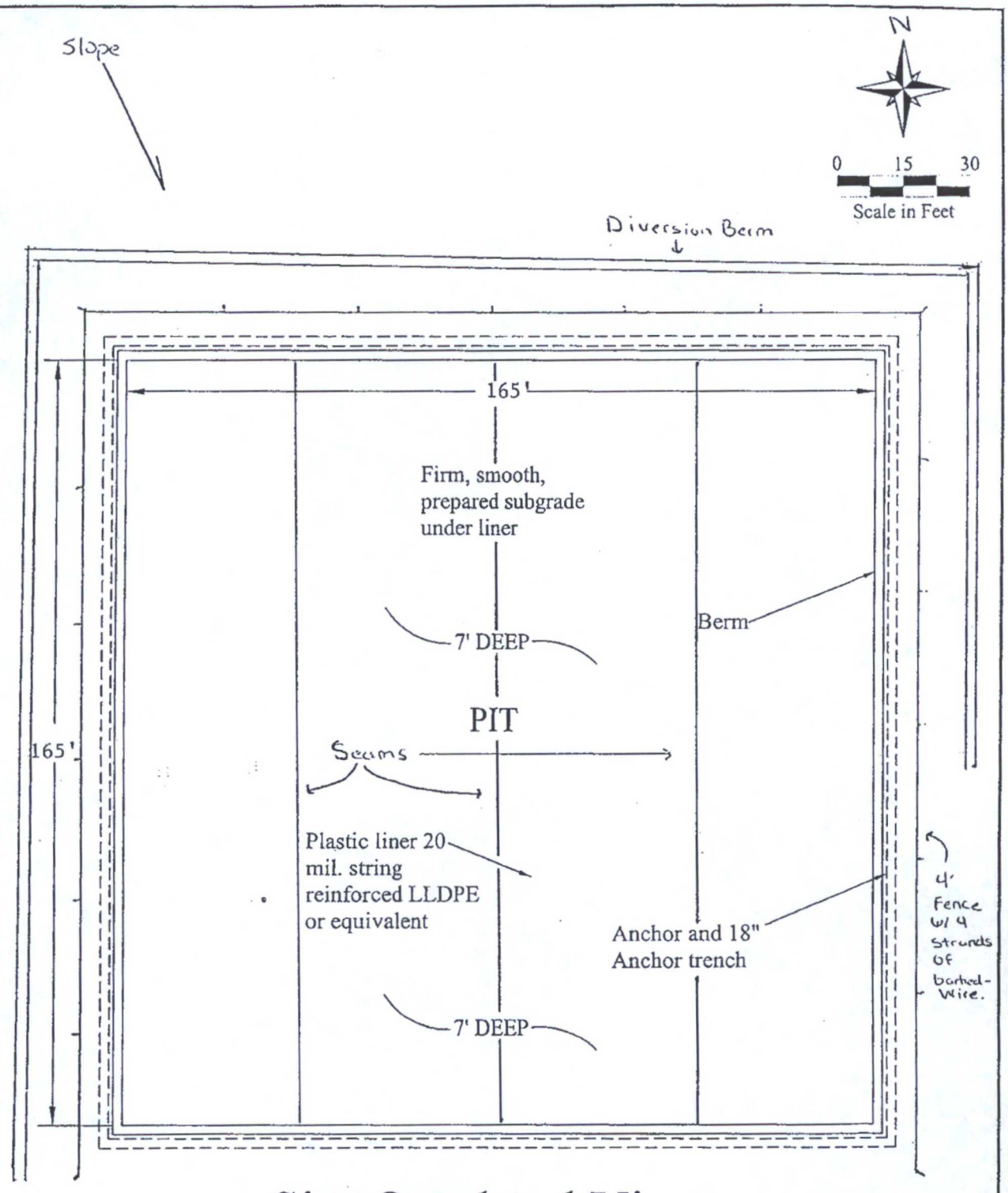
AUGUST 02, 2013
Date Surveyed

Signature & Seal of Professional Surveyor

GARY L. JONES
NEW MEXICO
7977
REGISTERED PROFESSIONAL LAND SURVEYOR

Certificate No. Gary L. Jones 7977

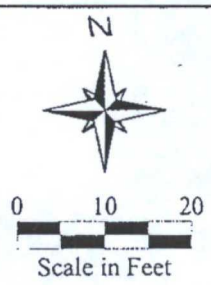
BASIN SURVEYS 29145

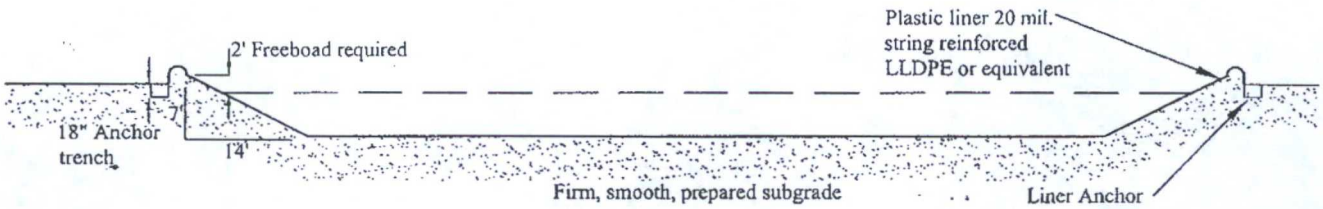


Site Overhead View

Date:	07/24/2008
Scale:	1" = 30
Drawn By:	WDR

Fasken Oil And Ranch
Quail "16" State No. 8H
New Mexico
Pit Liner Detail Plat





Site Detail

TALON

Date: 07/24/2008	Fasken Oil And Ranch
Scale: 1" = 20	Quail "16" State No. 8H
Drawn By: WDR	New Mexico
	Pit Liner Detail

FASKEN OIL AND RANCH, LTD.

6101 Holiday Hill Road
MIDLAND, TEXAS 79707

(432) 687-1777
kimt@forl.com

Kim Tyson
Regulatory Analyst

May 19, 2014

Mr. Geoffrey Leking

New Mexico Oil Conservation Division
1625 North French Drive
Hobbs, NM 88240

HOBBS OCD

MAY 22 2014

RECEIVED

Dear Mr. Leking,

Re: Quail "16" State No. 8H
Unit Letter O, T20S, R34E
Lea; Bone Spring, South Pool
API No. 30-025-41366
Hobbs, NM

Fasken Oil and Ranch, Ltd. received a letter stating that we are in violation due to an earth pit permit not being approved before the Quail "16" State No. 8H well was drilled. Please see attached letter. Fasken submitted a drilling application and earth pit permit on 8-20-2013 that was received by the OCD on 8-22-2013. This well spudded on 9-3-2013. Fasken will put a system into place that when an application for a permit is submitted that it will be checked on weekly basis to make sure that it is approved before the well is drilled.

If you have any questions or need any additional information please e-mail me at kimt@forl.com or call me at (432) 687-1777.

Thanks for your help concerning this matter.

Yours truly,

Kimberley A. Tyson

Kimberley A. Tyson
Regulatory Analyst

approved
Geoffrey Leking
Environmental Specialist
NMOCD - DIST I
5/23/14

State of New Mexico
Energy, Minerals and Natural Resources Department

Susana Martinez
Governor

David Martin
Cabinet Secretary

Brett F. Woods, Ph.D.
Deputy Cabinet Secretary

Jami Bailey, Division Director
Oil Conservation Division

Response Required - Deadline Enclosed

13-May-14

LETTER OF VIOLATION

FASKEN OIL & RANCH
6101 Holiday Hill Road
Midland, TX 79701-1631

Dear Operator:

This letter of violation pertains to the following well:

Quail "16" State No. 8H
O-16-20S-34E
30-025-41366-00-00

Review of New Mexico Oil Conservation Division (NMOCD) files indicate that a Form C-144 Pit, Below-Grade Tank, or Proposed Alternative Method Permit or Closure Plan Application was never approved and therefore, a permit never issued by the division for the construction and operation of the temporary pit used to drill the well. Therefore, the operator is in violation of **Rule 19.15.17.8 PERMIT OR REGISTRATION REQUIRED, Section A. of the New Mexico Administrative Code which states**; *"A person shall not construct or use a pit except in accordance with a division-issued permit…".*

The operator is required to submit within 30 days of the date of this letter, a plan, method or other remedy that will assure that the company will not violate the above referenced rule in a similar manner again. In the event that a satisfactory response is not received to this letter of direction by the deadline given, further enforcement will occur.

Sincerely

Geoffrey Leking, Environmental Specialist
Hobbs OCD District Office

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

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

Form C-144
Revised June 6, 2013

For temporary pits, below-grade tanks, and multi-well fluid management pits, submit to the appropriate NMOCD District Office.
For permanent pits submit to the Santa Fe Environmental Bureau office and provide a copy to the appropriate NMOCD District Office.

Pit, Below-Grade Tank, or Proposed Alternative Method Permit or Closure Plan Application

Type of action:
- ☐ Below grade tank registration
- ☐ Permit of a pit or proposed alternative method
- ☐ Closure of a pit, below-grade tank, or proposed alternative method
- ☐ Modification to an existing permit/or registration
- ☒ Closure plan only submitted for an existing permitted or non-permitted pit, below-grade tank, or proposed alternative method

Instructions: Please submit one application (Form C-144) per individual pit, below-grade tank or alternative request

Please be advised that approval of this request does not relieve the operator of liability should operations result in pollution of surface water, ground water or the environment. Nor does approval relieve the operator of its responsibility to comply with any other applicable governmental authority's rules, regulations or ordinances.

1.
Operator: Fasken Oil & Ranch OGRID #: 151416
Address: 303 W. Wall St. Ste. 1800, Midland, TX 79701-5116
Facility or well name: Quail "16" State No. 8H
API Number: 30-025-41366 OCD Permit Number:
U/L or Qtr/Qtr O Section 16 Township 20S Range 34E County: Lea
Center of Proposed Design: Latitude N 32° 34' 46.12" Longitude W 103° 33' 48.29" NAD: ☐ 1927 ☒ 1983
Surface Owner: ☐ Federal ☒ State ☐ Private ☐ Tribal Trust or Indian Allotment

2.
☐ **Pit:** Subsection F, G or J of 19.15.17.11 NMAC
Temporary: ☐ Drilling ☐ Workover
☐ Permanent ☐ Emergency ☐ Cavitation ☐ P&A ☐ Multi-Well Fluid Management Low Chloride Drilling Fluid ☐ yes ☐ no
☐ Lined ☐ Unlined Liner type: Thickness _____mil ☐ LLDPE ☐ HDPE ☐ PVC ☐ Other _____
☐ String-Reinforced
Liner Seams: ☐ Welded ☐ Factory ☐ Other _____ Volume: _____bbl Dimensions: L_____ x W_____ x D_____

3.
☐ **Below-grade tank:** Subsection I of 19.15.17.11 NMAC
Volume: _____bbl Type of fluid: _____
Tank Construction material: _____
☐ Secondary containment with leak detection ☐ Visible sidewalls, liner, 6-inch lift and automatic overflow shut-off
☐ Visible sidewalls and liner ☐ Visible sidewalls only ☐ Other _____
Liner type: Thickness _____mil ☐ HDPE ☐ PVC ☐ Other _____

4.
☐ **Alternative Method:**
Submittal of an exception request is required. Exceptions must be submitted to the Santa Fe Environmental Bureau office for consideration of approval.

5.
Fencing: Subsection D of 19.15.17.11 NMAC *(Applies to permanent pits, temporary pits, and below-grade tanks)*
☐ Chain link, six feet in height, two strands of barbed wire at top *(Required if located within 1000 feet of a permanent residence, school, hospital, institution or church)*
☐ Four foot height, four strands of barbed wire evenly spaced between one and four feet
☐ Alternate. Please specify_____

6.

Netting: Subsection E of 19.15.17.11 NMAC *(Applies to permanent pits and permanent open top tanks)*

☐ Screen ☐ Netting ☐ Other_____

☐ Monthly inspections (If netting or screening is not physically feasible)

7.

Signs: Subsection C of 19.15.17.11 NMAC

☐ 12"x 24", 2" lettering, providing Operator's name, site location, and emergency telephone numbers

☐ Signed in compliance with 19.15.16.8 NMAC

8.

Variances and Exceptions:

Justifications and/or demonstrations of equivalency are required. Please refer to 19.15.17 NMAC for guidance.

Please check a box if one or more of the following is requested, if not leave blank:

☐ Variance(s): Requests must be submitted to the appropriate division district for consideration of approval.

☐ Exception(s): Requests must be submitted to the Santa Fe Environmental Bureau office for consideration of approval.

9.

Siting Criteria (regarding permitting): 19.15.17.10 NMAC

Instructions: The applicant must demonstrate compliance for each siting criteria below in the application. Recommendations of acceptable source material are provided below. **Siting criteria does not apply to drying pads or above-grade tanks.**

General siting	
Ground water is less than 25 feet below the bottom of a low chloride temporary pit or below-grade tank. - ☐ NM Office of the State Engineer - iWATERS database search; ☐ USGS; ☒ Data obtained from nearby wells	☐ Yes ☐ No ☐ NA
Ground water is less than 50 feet below the bottom of a Temporary pit, permanent pit, or Multi-Well Fluid Management pit . NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells	☐ Yes ☐ No ☐ NA
Within incorporated municipal boundaries or within a defined municipal fresh water well field covered under a municipal ordinance adopted pursuant to NMSA 1978, Section 3-27-3, as amended. **(Does not apply to below grade tanks)** - Written confirmation or verification from the municipality; Written approval obtained from the municipality	☐ Yes ☐ No
Within the area overlying a subsurface mine. **(Does not apply to below grade tanks)** - Written confirmation or verification or map from the NM EMNRD-Mining and Mineral Division	☐ Yes ☐ No
Within an unstable area. **(Does not apply to below grade tanks)** - Engineering measures incorporated into the design; NM Bureau of Geology & Mineral Resources; USGS; NM Geological Society; Topographic map	☐ Yes ☐ No
Within a 100-year floodplain. **(Does not apply to below grade tanks)** - FEMA map	☐ Yes ☐ No
Below Grade Tanks	
Within 100 feet of a continuously flowing watercourse, significant watercourse, lake bed, sinkhole, wetland or playa lake (measured from the ordinary high-water mark). - Topographic map; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Within 200 horizontal feet of a spring or a fresh water well used for public or livestock consumption;. - NM Office of the State Engineer - iWATERS database search; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Temporary Pit using Low Chloride Drilling Fluid (maximum chloride content 15,000 mg/liter)	
Within 100 feet of a continuously flowing watercourse, or any other significant watercourse or within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark). (Applies to low chloride temporary pits.) - Topographic map; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Within 300 feet from a occupied permanent residence, school, hospital, institution, or church in existence at the time of initial application. - Visual inspection (certification) of the proposed site; Aerial photo; Satellite image	☐ Yes ☐ No
Within 200 horizontal feet of a spring or a private, domestic fresh water well used by less than five households for domestic or stock watering purposes, or 300feet of any other fresh water well or spring, in existence at the time of the initial application. NM Office of the State Engineer - iWATERS database search; Visual inspection (certification) of the proposed site	☐ Yes ☐ No

Within 100 feet of a wetland. - US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Temporary Pit Non-low chloride drilling fluid	
Within 300 feet of a continuously flowing watercourse, or any other significant watercourse, or within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark). - Topographic map; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Within 300 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application. - Visual inspection (certification) of the proposed site; Aerial photo; Satellite image	☐ Yes ☐ No
Within 500 horizontal feet of a spring or a private, domestic fresh water well used by less than five households for domestic or stock watering purposes, or 1000 feet of any other fresh water well or spring, in the existence at the time of the initial application; - NM Office of the State Engineer - iWATERS database search; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Within 300 feet of a wetland. - US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Permanent Pit or Multi-Well Fluid Management Pit	
Within 300 feet of a continuously flowing watercourse, or 200 feet of any other significant watercourse, or lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark). - Topographic map; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Within 1000 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application. - Visual inspection (certification) of the proposed site; Aerial photo; Satellite image	☐ Yes ☐ No
Within 500 horizontal feet of a spring or a fresh water well used for domestic or stock watering purposes, in existence at the time of initial application. - NM Office of the State Engineer - iWATERS database search; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Within 500 feet of a wetland. - US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site	☐ Yes ☐ No

10.

Temporary Pits, Emergency Pits, and Below-grade Tanks Permit Application Attachment Checklist: Subsection B of 19.15.17.9 NMAC

Instructions: Each of the following items must be attached to the application. Please indicate, by a check mark in the box, that the documents are attached.

☐ Hydrogeologic Report (Below-grade Tanks) - based upon the requirements of Paragraph (4) of Subsection B of 19.15.17.9 NMAC
☐ Hydrogeologic Data (Temporary and Emergency Pits) - based upon the requirements of Paragraph (2) of Subsection B of 19.15.17.9 NMAC
☐ Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC
☐ Design Plan - based upon the appropriate requirements of 19.15.17.11 NMAC
☐ Operating and Maintenance Plan - based upon the appropriate requirements of 19.15.17.12 NMAC
☐ Closure Plan (Please complete Boxes 14 through 18, if applicable) - based upon the appropriate requirements of Subsection C of 19.15.17.9 NMAC and 19.15.17.13 NMAC

☐ Previously Approved Design (attach copy of design) API Number: _____ or Permit Number: _____

11.

Multi-Well Fluid Management Pit Checklist: Subsection B of 19.15.17.9 NMAC

Instructions: Each of the following items must be attached to the application. Please indicate, by a check mark in the box, that the documents are attached.

☐ Design Plan - based upon the appropriate requirements of 19.15.17.11 NMAC
☐ Operating and Maintenance Plan - based upon the appropriate requirements of 19.15.17.12 NMAC
☐ A List of wells with approved application for permit to drill associated with the pit.
☐ Closure Plan (Please complete Boxes 14 through 18, if applicable) - based upon the appropriate requirements of Subsection C of 19.15.17.9 NMAC and 19.15.17.13 NMAC
☐ Hydrogeologic Data - based upon the requirements of Paragraph (4) of Subsection B of 19.15.17.9 NMAC
☐ Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC

☐ Previously Approved Design (attach copy of design) API Number: _____ or Permit Number: _____

12.
Permanent Pits Permit Application Checklist: Subsection B of 19.15.17.9 NMAC
Instructions: Each of the following items must be attached to the application. Please indicate, by a check mark in the box, that the documents are attached.

- ☐ Hydrogeologic Report - based upon the requirements of Paragraph (1) of Subsection B of 19.15.17.9 NMAC
- ☐ Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC
- ☐ Climatological Factors Assessment
- ☐ Certified Engineering Design Plans - based upon the appropriate requirements of 19.15.17.11 NMAC
- ☐ Dike Protection and Structural Integrity Design - based upon the appropriate requirements of 19.15.17.11 NMAC
- ☐ Leak Detection Design - based upon the appropriate requirements of 19.15.17.11 NMAC
- ☐ Liner Specifications and Compatibility Assessment - based upon the appropriate requirements of 19.15.17.11 NMAC
- ☐ Quality Control/Quality Assurance Construction and Installation Plan
- ☐ Operating and Maintenance Plan - based upon the appropriate requirements of 19.15.17.12 NMAC
- ☐ Freeboard and Overtopping Prevention Plan - based upon the appropriate requirements of 19.15.17.11 NMAC
- ☐ Nuisance or Hazardous Odors, including H_2S, Prevention Plan
- ☐ Emergency Response Plan
- ☐ Oil Field Waste Stream Characterization
- ☐ Monitoring and Inspection Plan
- ☐ Erosion Control Plan
- ☐ Closure Plan - based upon the appropriate requirements of Subsection C of 19.15.17.9 NMAC and 19.15.17.13 NMAC

13.
Proposed Closure: 19.15.17.13 NMAC
Instructions: Please complete the applicable boxes, Boxes 14 through 18, in regards to the proposed closure plan.

Type: ☒ Drilling ☐ Workover ☐ Emergency ☐ Cavitation ☐ P&A ☐ Permanent Pit ☐ Below-grade Tank ☐ Multi-well Fluid Management Pit ☐ Alternative

Proposed Closure Method:
- ☐ Waste Excavation and Removal
- ☐ Waste Removal (Closed-loop systems only)
- ☐ On-site Closure Method (Only for temporary pits and closed-loop systems)
  - ☒ In-place Burial ☐ On-site Trench Burial
- ☐ Alternative Closure Method

14.
Waste Excavation and Removal Closure Plan Checklist: (19.15.17.13 NMAC) ***Instructions: Each of the following items must be attached to the closure plan. Please indicate, by a check mark in the box, that the documents are attached.***

- ☐ Protocols and Procedures - based upon the appropriate requirements of 19.15.17.13 NMAC
- ☐ Confirmation Sampling Plan (if applicable) - based upon the appropriate requirements of Subsection C of 19.15.17.13 NMAC
- ☐ Disposal Facility Name and Permit Number (for liquids, drilling fluids and drill cuttings)
- ☐ Soil Backfill and Cover Design Specifications - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC
- ☐ Re-vegetation Plan - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC
- ☐ Site Reclamation Plan - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC

15.
Siting Criteria (regarding on-site closure methods only): 19.15.17.10 NMAC
Instructions: Each siting criteria requires a demonstration of compliance in the closure plan. Recommendations of acceptable source material are provided below. Requests regarding changes to certain siting criteria require justifications and/or demonstrations of equivalency. Please refer to 19.15.17.10 NMAC for guidance.

Ground water is less than 25 feet below the bottom of the buried waste. - NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells	☐ Yes ☒ No ☐ NA
Ground water is between 25-50 feet below the bottom of the buried waste - NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells	☐ Yes ☒ No ☐ NA
Ground water is more than 100 feet below the bottom of the buried waste. - NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells	☒ Yes ☐ No ☐ NA
Within 100 feet of a continuously flowing watercourse, or 200 feet of any other significant watercourse, lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark). - Topographic map; Visual inspection (certification) of the proposed site	☐ Yes ☒ No
Within 300 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application. - Visual inspection (certification) of the proposed site; Aerial photo; Satellite image	☐ Yes ☒ No
Within 300 horizontal feet of a private, domestic fresh water well or spring used for domestic or stock watering purposes, in existence at the time of initial application. - NM Office of the State Engineer - iWATERS database; Visual inspection (certification) of the proposed site	☐ Yes ☒ No
Written confirmation or verification from the municipality; Written approval obtained from the municipality	☐ Yes ☒ No
Within 300 feet of a wetland. US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site	☐ Yes ☒ No
Within incorporated municipal boundaries or within a defined municipal fresh water well field covered under a municipal ordinance	

adopted pursuant to NMSA 1978, Section 3-27-3, as amended.
- Written confirmation or verification from the municipality; Written approval obtained from the municipality

☐ Yes ☒ No

Within the area overlying a subsurface mine.
- Written confirmation or verification or map from the NM EMNRD-Mining and Mineral Division

☐ Yes ☒ No

Within an unstable area.
- Engineering measures incorporated into the design; NM Bureau of Geology & Mineral Resources; USGS; NM Geological Society; Topographic map

☐ Yes ☒ No

Within a 100-year floodplain.
- FEMA map

☐ Yes ☒ No

16.
On-Site Closure Plan Checklist: (19.15.17.13 NMAC) ***Instructions: Each of the following items must be attached to the closure plan. Please indicate, by a check mark in the box, that the documents are attached.***
- ☒ Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC
- ☒ Proof of Surface Owner Notice - based upon the appropriate requirements of Subsection E of 19.15.17.13 NMAC
- ☒ Construction/Design Plan of Burial Trench (if applicable) based upon the appropriate requirements of Subsection K of 19.15.17.11 NMAC
- ☐ Construction/Design Plan of Temporary Pit (for in-place burial of a drying pad) - based upon the appropriate requirements of 19.15.17.11 NMAC
- ☒ Protocols and Procedures - based upon the appropriate requirements of 19.15.17.13 NMAC
- ☒ Confirmation Sampling Plan (if applicable) - based upon the appropriate requirements of 19.15.17.13 NMAC
- ☒ Waste Material Sampling Plan - based upon the appropriate requirements of 19.15.17.13 NMAC
- ☒ Disposal Facility Name and Permit Number (for liquids, drilling fluids and drill cuttings or in case on-site closure standards cannot be achieved)
- ☒ Soil Cover Design - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC
- ☒ Re-vegetation Plan - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC
- ☒ Site Reclamation Plan - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC

FRASKWM
LMP
SIGN

17.
Operator Application Certification:

I hereby certify that the information submitted with this application is true, accurate and complete to the best of my knowledge and belief.

Name (Print): Julio C Martinez Title: Consultant

Signature: Julio C Martinez Date: 4/27/2014

e-mail address: jmartinez@onesourceindustrial.com Telephone: 432-202-3096

18.
OCD Approval: ☐ Permit Application (including closure plan) ☐ Closure Plan (only) ☐ OCD Conditions (see attachment)

OCD Representative Signature: ______________________ **Approval Date:** ______________

Title: ______________________ **OCD Permit Number:** ______________________

19.
Closure Report (required within 60 days of closure completion): 19.15.17.13 NMAC
Instructions: Operators are required to obtain an approved closure plan prior to implementing any closure activities and submitting the closure report. The closure report is required to be submitted to the division within 60 days of the completion of the closure activities. Please do not complete this section of the form until an approved closure plan has been obtained and the closure activities have been completed.

☐ **Closure Completion Date:** ______________________

20.
Closure Method:
☐ Waste Excavation and Removal ☒ On-Site Closure Method ☐ Alternative Closure Method ☐ Waste Removal (Closed-loop systems only)
☐ If different from approved plan, please explain.

21.
Closure Report Attachment Checklist: ***Instructions: Each of the following items must be attached to the closure report. Please indicate, by a check mark in the box, that the documents are attached.***
- ☐ Proof of Closure Notice (surface owner and division)
- ☐ Proof of Deed Notice (required for on-site closure for private land only)
- ☐ Plot Plan (for on-site closures and temporary pits)
- ☐ Confirmation Sampling Analytical Results (if applicable)
- ☐ Waste Material Sampling Analytical Results (required for on-site closure)
- ☐ Disposal Facility Name and Permit Number
- ☐ Soil Backfilling and Cover Installation
- ☐ Re-vegetation Application Rates and Seeding Technique
- ☐ Site Reclamation (Photo Documentation)

On-site Closure Location: Latitude ______________ Longitude ______________ NAD: ☐1927 ☐ 1983

22.

Operator Closure Certification:

I hereby certify that the information and attachments submitted with this closure report is true, accurate and complete to the best of my knowledge and belief. I also certify that the closure complies with all applicable closure requirements and conditions specified in the approved closure plan.

Name (Print): _____ Title: _____

Signature: _____ Date: _____

e-mail address: _____ Telephone: _____

One Source Environmental

C-144 Closure Plan for the Quail 16 State #8H drilling pit

Prepared for Fasken Oil & Ranch, LTD Midland, Texas

Prepared by Julio C Martinez
4-24-2014

One Source Environmental
9205 WCR 127
Midland, TX 79706
Office (432) 561-8804
Cell (432) 202-3096

Pit Closure

Tracking # 10178
Project Quail 16 State 8H deep trench burial

April 1, 2014

Description:

Quail 16 State #8H drilling pit
SHL – 200' FSL & 225' FEL, Sec 16, T20S, R34E
BHL – 330' FNL & 330' FEL Sec 16, T20S, R34E
Lea County, NM

To: GEOFFREY

Jeffrey Leking, Environmental Specialist
NMOCD Hobbs, NM

Dear Mr. Leking,

On behalf of Fasken Oil & Ranch, LTD. **One Source Environmental** submits the attached C-144 application for the closure of the above referenced drilling pit. Our current schedule calls for the dirt work to start in 7 to 14 days.

Please note the following:

BURIAL IN PLACE

1. We anticipate "Deep Burial" of the stabilized pit contents to be in conformance with the applicable NMOCD Rules.
2. This letter and application has been fedex'd to the State Land Office **to notify the surface landowner** of the operator's intent to use the deep burial procedures to bury the drilling pit.
3. In compliance with the requirements set out in Subsection E of 19.15.17.10 NMAC, we are giving notice of deep burial at least 72 hours, but not more than one week prior to any closure operations.
4. We propose to deep bury the contents of the drilling pit in a 60' x 60' x 1' poly lined trench per requirements set forth in 19.15.17.13 NMAC.
5. Once the burial has been completed, a closure report will be submitted and Form C-103 will be filed with the division. A steel marker will be erected at least 4' above grade with all applicable information.

IN PLACE

One Source Environmental would like to thank you for your prompt attention to this matter. If you should have any questions/comments, please feel free to contact me @ the above numbers.

Sincerely,

Julio C Martinez

Julio C Martinez, Project Manager

One Source Environmental
9205 WCR 127
Midland, TX 79706
Office (432) 561-8804
Cell (432) 202-3096

Pit Closure
Tracking # 10178
Project Quail 16 State 8H deep trench burial

Attachment to Form C-144

Deep Trench Burial

Legals

API Number: 30-025-41366

ULSTR: O-16-20S-34E

Footages 262' FSL & 2080' FEL

Well Name & Number: QUAIL 16 STATE No. 008H

Operator: FASKEN OIL & RANCH LTD

Siting Criteria Compliance Demonstration (Section 15)

Criteria	Answer	Source Material
Ground Water is < 25'	No	Per Geoffrey Leking, Environmental Specialist, OCD Hobbs – the depth to ground water is found at 135'
Ground water is between 25'-50'	No	Per Geoffrey Leking, Environmental Specialist, OCD Hobbs – the depth to ground water is found at 135'
Ground Water is > 100' below bottom of buried waste	Yes	Per Geoffrey Leking, Environmental Specialist, OCD Hobbs – the ground water is found at 135'
Within 100' of continuously flowing water course or 200' of any other significant watercourse	No	Nearest watercourse is > 300' from location – per USFW National Wetlands Inventory (see attached). Certification: A visual inspection of the immediate area has been made and there are no known watercourses within .1 mile radius of the well location.
Within 300 feet from a permanent residence, school, hospital, institution or church	No	See attached "Google Map" showing the surrounding area (the map is found under "The Construction/Design Plan"). Certification: A visual inspection of the immediate area has been made and there are no permanent

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		residences, schools, hospitals, institutions or churches within 300' of the well location.
Within 300 horizontal feet of a private, domestic fresh water well or spring used for domestic or stock watering purposes	No	There are no known water wells within 300 horizontal feet of the well location – per USFW National Wetlands Inventory (see attached). Certification: A visual inspection of the immediate area has been made and there are no known water wells within 300 horizontal feet of the well location.
Written confirmation or verification from the municipality	No	This well location does not fall within any municipalities.
Within 300' of a wetland	No	Nearest wetland is > 500' from location – per USFW National Wetlands Inventory (see attached). Certification: A visual inspection of the immediate area has been made and there are no known wetlands within .1 mile radius of the well location.
Within incorporated municipal boundaries or within a defined municipal fresh water well field covered under a municipal ordinance adopted pursuant to NMSA 1978. Section 3-7-3 as amended	No	This well location does not fall within any municipalities.
Within the area overlying a subsurface mine	No	See letter from Larry J Rybal of the State Land Office signed 8/23/2013
Within an unstable area	No	See attached "KARST Potential" map
Within a 100-flood plan	No	FEMA reports that a 100-year flood plain map has not been constructed for this area. Certification: A visual inspection of the immediate area has been made and there are no indications of that flooding or standing water would occur.
Form C-102		Form C-102 is attached showing the pit location. The latitude and longitude is shown on the plat. This data reference is the center of the pit.

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Proof of Surface Owner Notice

Has been submitted;
State Land Office, attention: Stephanie
McClure, Resources Manager
2827 N. Dal Paso, Suite 117
Hobbs, NM 88240

Construction/Design Plan

A trench will be constructed as described below and in compliance with Subsection K of 19.15.17.11 NMAC

- An excavation will be dug out approximately 135' x 85' x 18'
- A geotextile underlayment will be installed if there is evidence of rocks, sharp edges, or irregularities that could rupture or tear the geomembrane.
- The excavation will be lined with a 20-mil string reinforced LLDPE liner.
- Prior to field seaming, we will overlap the liners four to six inches. A qualified operator or a technician under his direct supervision will perform the field seaming and testing.
- The liner seams will be oriented up and down and parallel to the line of maximum slope.
- There will be sufficient liner installed to reduce the stress-strain on the liner and the outer edges will be secured for the deposit of the excavated waste material into the trench

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Figure 1 Construction and Design Plan

One Source Environmental
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Midland, TX 79706
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Pit Closure

Tracking # 10178
Project Quail 16 State 8H deep trench burial

Figure 2 Google Earth Map

Protocols and Procedures

The procedure for the deep burial of the pit are based on the appropriate requirements set forth in 19.15.17.13 NMAC. They are outlined below;

- Ensure that all free liquids have been removed prior to commencing the pit closure.
- All pit contents will be removed and placed into a division approved facility (deep trench burial), if needed the contents will be stabilized/solidified with earthen material and zeolite in a ratio not to exceed 3:1 (3 parts earthen material/zeolite to 1 part pit contents).
- Prior to burial, the waste mixture must pass the paint filter liquids test (EPA SW-846, Method 9095 or other test methods approved by the division.
- A 5 point composite sample of the pit contents will be collected to ensure that the parameters listed in Table II of 19.15.17.13 NMAC are met

Closure criteria for this Burial Trench (based on depth to ground water which is >100 feet)	
Constituent	Limit
Chloride	80,000 mg/kg
TPH	2,500 mg/kg

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GRO + DRO	1,000 mg/kg
BTEX	50 mg/kg
Benzene	10 kg/kg
If the analytical results are higher than concentrations shown above, then closure will proceed in accordance with Subsection C of 19.15.17.13 NMAC (Dig and Haul)	

- A 5 point composite sample will be collected beneath the pit to ensure that the parameters listed in Table I of 19.15.17.13 NMAC are met

Closure criteria for soils beneath pits where the contents have been removed (based on depth to ground water which is >100 feet)	
Constituent	Limit
Chloride	20,000 mg/kg
TPH	2,500 mg/kg
GRO + DRO	1,000 mg/kg
BTEX	50 mg/kg
Benzene	10 kg/kg
If the analytical results are higher than concentrations shown above, then closure will halt until approval has been given by the division to continue	

Confirmation and Soil Sampling Plan

Sample ID	Depth	Analytical
BH 1	6"	Chlorides, TPH, BTEX, GRO + DRO, Benzene
BH 2	6"	Chlorides, TPH, BTEX, GRO + DRO, Benzene
BH 3	6"	Chlorides, TPH, BTEX, GRO + DRO, Benzene
BH 4	6"	Chlorides, TPH, BTEX, GRO + DRO, Benzene
BH 5	6"	Chlorides, TPH, BTEX, GRO + DRO, Benzene
Background	Surface	Chlorides, TPH, BTEX, GRO + DRO, Benzene
Waste Materials	Entire thickness	Chlorides, TPH, BTEX, GRO + DRO, Benzene

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Pit Closure

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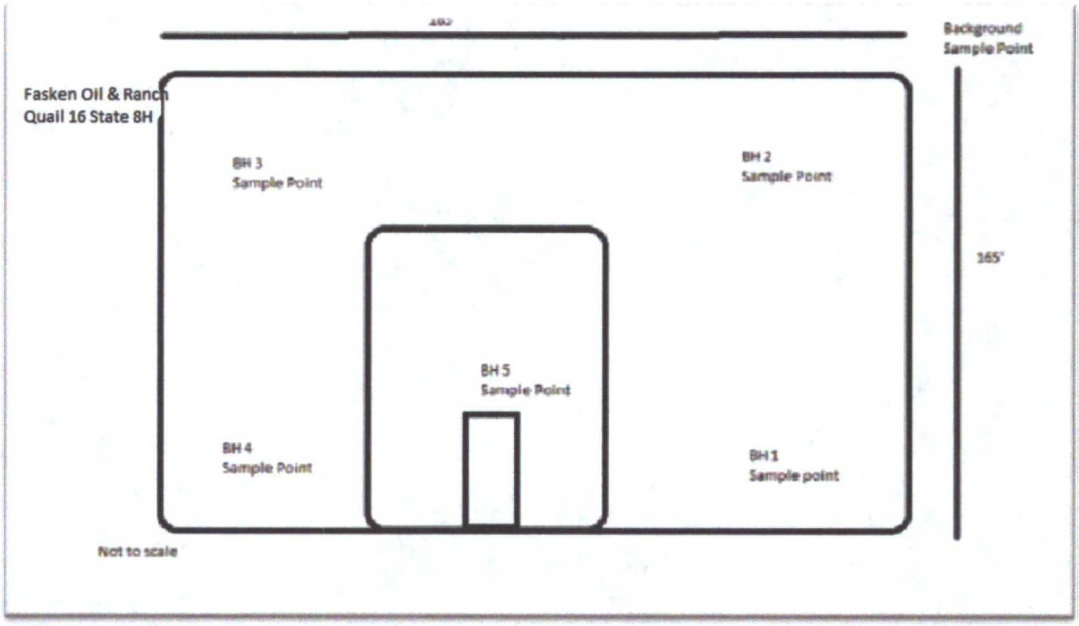
Project Quail 16 State 8H deep trench burial



Waste Material Sampling Plan

Prior to closure, a five-point (minimum) random composite sample of the residual solids in the pit will be tested in a laboratory to demonstrate

- That the stabilized material will not exceed the contaminant concentrations listed in Table II of 19.15.17.13 NMAC mixed in a ratio of 3:1 with the earth material to be used for mixing and stabilization of the residual cuttings and mud.
- The waste mixture will pass the paint filter liquids test (EPA SW-846, Method 9095 or other test methods approved by the division).

Disposal Facility (Box 16 – On-Site Closure Plan Checklist)

If the on-site closure requirements cannot be met, the following disposal facilities will be used for disposal of the pit contents.

- R360 Permit # NM-01-006
- Lea Land Disposal Facility Permit # NM-01-0035

Soil Cover and Design of Pit Location and Trench

Upon achieving all applicable waste stabilization and transfer of stabilized wastes to the burial trench;

- We will fold the outer edges of the trench liner to overlap the waste material into the trench prior to the installation of the geomembrane cover;

One Source Environmental
9205 WCR 127
Midland, TX 79706
Office (432) 561-8804
Cell (432) 202-3096

- Install a geomembrane cover over the waste material in the lined trench, we will install the geomembrane cover in a manner that prevents the collection of infiltration waste into the lined trench or temporary pit and onto the geomembrane cover after the soil cover is in place, the geomembrane cover shall consist of a 20-mil string reinforced LLDPE liner or equivalent cover the appropriate division district office approves, the geomembrane cover shall be composed of an impervious, synthetic material that is resistant to petroleum hydrocarbons, salts and acidic and alkaline solutions; cover compatibility shall comply with EPA SW-846 Method 9090A
- At least 3-feet of compacted, uncontaminated, non-waste containing earthen fill with chloride concentrations less than 600 mg/kg as analyzed by EPA Method 300.0 will be placed over the pit and the deep trench burial pit. The soil cover will include either the background thickness of topsoil or one foot of suitable material to establish vegetation at the site, whichever is greater, over the 3-foot earth material. The site will be recontoured to blend with the surrounding topography and to prevent erosion of the cover and ponding over the cover.

Site Reclamation and Re-vegetation Plan

Top soils and sub soils will be replaced to their original relative positions and contoured so as to achieve erosion control, long term stability and preservation of surface water flow patterns. Reseeding will commence on the first favorable growing season following closure.

The operator will notify the division when the surface grading work element of reclamation is complete.

The operator will notify the division when the site meets the surface owner's requirements or exhibits a uniform vegetative cover that reflects a life-form ratio of plus or minus fifty percent (50%) of pre-disturbance levels and a total percent plant cover of at least seventy percent (70%) of pre-disturbance levels, excluding noxious weeds.

The operator will notify the division when the reclamation and re-vegetation are complete.

Closure Report

Within 60 days of closure completion, we will submit a

- Closure report on form C-144, with all necessary attachments
- A certification that all information in the report and attachments are correct, that the operator has complied with all applicable closure requirements and conditions specified in the approved closure plan
- A plat of the pit location on form C-105 and a separate C-105 showing the exact location of the trench.
- We will place at the center of an onsite burial trench a steel marker that is not less than four inches in diameter. It will placed at the bottom of a three-foot deep hole (minimum) that is filled with cement to secure the marker at least four feet above mean ground level which permanently displays the operator name, lease name, well number, unit letter, section, township and range in welded or stamped legible letters/numbers

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Pit Closure

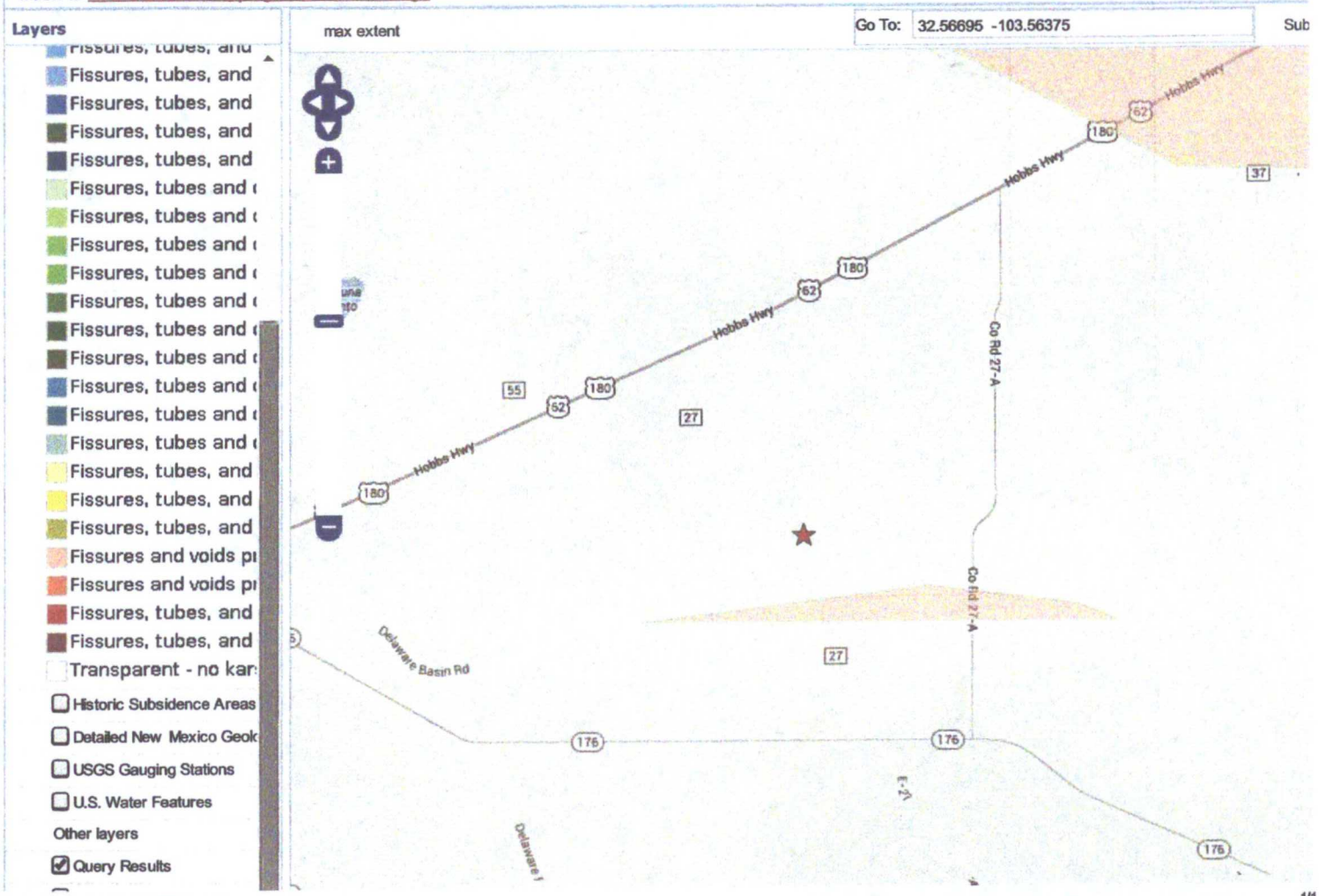
Tracking # 10178
Project Quail 16 State 8H deep trench burial

Timing of Closure

"The operator will close the temporary pit within 6 months from the date the drilling or workover rig was released from the site. This date will be noted on form C-105 or C-103 filed with the division upon the well's or workover's completion".

PETROLEUM RECOVERY RESEARCH CENTE

Back to PRRC's Web Mapping Portal Home Page



GUIDELINES FOR PROCESSING APD FOR WELL IN POTASH AREA -- R-111-P

BLM approves federal wells in potash area so we do not have to worry about this.

STATE & FEE LEASES

Post to map and if within the potash area outlined on map or within 1 mile of that area do the following:

1) Make certain operator has filed a plat of the area showing the potash lessees for the area where the well is located as well as the 1-mile radius referred to.

2) Make certain operator has notified all of the potash lessees by certified mail of the APD. They must send copy of delivery notice to us since 20-day waiting period starts from delivery date.

3) Send letter to BLM and SLO advising them of this APD and request they advise if this location is within LMR or buffer zone.

   BUFFER ZONE -- shallow well is 1/4 mile of LMR
   -- deep well is 1/2 mile of LMR

4) If application is within LMR or buffer zone you must DENY it under R-111-P unless, there is a mutual agreement of lessor and lessees of oil & gas and potash interests. Copy of this agreement must be submitted with APD.

5) If application is outside LMR or buffer zone and no objection is received within 20 days from date of receipt by potash lessees of certified notice, the APD may be approved.

CHECK LIST FOR PROCESSING APD IN POTASH AREA

OPERATOR: Fasken Oil & Ranch Ltd

LEASE & WELL Quail 16 State #8H

LOCATION D-16-20-34, 262/S & 2080/E PROPOSED DEPTH 15490 md

DATE APD RECEIVED 8/22/13 WAS PLAT OF AREA ATTACHED Yes

WERE ALL POTASH LESSEES NOTIFIED BY CERTIFIED MAIL? NONE

20-DAY WAITING PERIOD BEGINS _____ ENDS _____

WERE WAIVERS RECEIVED? _____

DATE SLO NOTIFIED 8/23/13 DATE REPLY RECEIVED 8/23/13

DATE BLM NOTIFIED 8/23/13 DATE REPLY RECEIVED 8/28/13

IS LOCATION INSIDE LMR OR BUFFER ZONE? YES _____ NO ✓

IF LOCATION INSIDE LMR OR BUFFER ZONE WAS LESSEE/LESSOR AGREEMENT FURNISHED _____

DATE APD APPROVED 8/29/13 DATE APD DENIED _____

30-025-41366

SEP 04 2013

HOBBS OCD

AUG 2 3 2013

RECEIVED

State of New Mexico
Energy, Minerals and Natural Resources Department

Susana Martinez
Governor

David Martin
Cabinet Secretary-Designate

Brett F. Woods, Ph.D.
Deputy Cabinet Secretary

Jami Bailey
Division Director
Oil Conservation Division

August 23, 2013

BUREAU OF LAND MANAGEMENT
ATT: Jim Rutley
P O Box 1778
Carlsbad, NM 88221

State Land Office
ATT: Stephen Wust
P O Box 1148
Santa Fe, NM 87504

RE: APPLICATION FOR PERMIT TO DRILL IN POTASH AREA

OPERATOR **FASKEN OIL & RANCH LTD.**

LEASE NAME **QUAIL 16 STATE #8H**

PRPOSED LOCATION **O-16-20S-34E**

PROPOSED DEPTH **15,490 MD / 10,944 TVD**

Gentlemen:

The application for permit to drill indentified above has been filed with this office of the new Mexico Oil Conservation Division. Pursuant to the provisions of Oil Conservation Division Order R-111-P, please advise this office whether the location is within an established Life-or-Mine Reserve are filed with an approved by your office. If not, please advise whether it is within the buffer zone established by the order.

Thank you for your assistance. Please return as soon as possible.

Very truly yours,

OIL CONSERVATION DIVISION

EL Gonzales
OCD District I, Supervisor

Response:

The above reference location is in the LMR (2 year)---------- Yes ___ NO ✓

The above reference location is within the Buffer Zone ---------- Yes ___ No ✓

Signed Lanny J Rabal Date 8/23/13

Printed Signature Lanny J Rabal

Representing State Land office

Oil Conservation Division
1625 N French Drive, Hobbs New Mexico 88240
Phone (575) 393-6161 • Fax (575) 393-0720 • www.emnrd.state.nm.us

HOBBS OCD

AUG 28 2013

RECEIVED

State of New Mexico

Energy, Minerals and Natural Resources Department

Susana Martinez
Governor

David Martin
Cabinet Secretary-Designate

Brett F. Woods, Ph.D.
Deputy Cabinet Secretary

Jami Bailey
Division Director
Oil Conservation Division

August 23, 2013

BUREAU OF LAND MANAGEMENT
ATT: Jim Rutley
P O Box 1778
Carlsbad, NM 88221

State Land Office
ATT: Stephen Wust
P O Box 1148
Santa Fe, NM 87504

RE: APPLICATION FOR PERMIT TO DRILL IN POTASH AREA

OPERATOR FASKEN OIL & RANCH LTD.

LEASE NAME QUAIL 16 STATE #8H

PRPOSED LOCATION O-16-20S-34E

PROPOSED DEPTH 15,490 MD / 10,944 TVD

Gentlemen:

The application for permit to drill indentified above has been filed with this office of the new Mexico Oil Conservation Division. Pursuant to the provisions of Oil Conservation Division Order R-111-P, please advise this office whether the location is within an established Life-or-Mine Reserve are filed with an approved by your office. If not, please advise whether it is within the buffer zone established by the order.

Thank you for your assistance. Please return as soon as possible.

Very truly yours,

OIL CONSERVATION DIVISION

EL Gonzales
OCD District I, Supervisor

Response:

The above reference location is in the LMR (2013 year) ---------- Yes ___ NO ✓

The above reference location is within the Buffer Zone ---------- Yes ___ No ✓

Signed _____ Date 8-28-13

Printed Signature JAMES BRUCE

Representing DOI-BLM-NM-CFO

DISTRICT I
1625 N. French Dr., Hobbs, NM 88240
Phone (575) 393-6161 Fax: (575) 393-0720
DISTRICT II
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
DISTRICT IV
1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone (505) 476-3460 Fax: (505) 476-3462

State of New Mexico
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION

1220 South St. Francis Dr.
Santa Fe, New Mexico 87505

Form C-102
Revised August 1, 2011

Submit one copy to appropriate District Office

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number	Pool Code	Pool Name
30-025-41366	37570	Lea; Bone Spring, South

Property Code	Property Name	Well Number
36547	QUAIL STATE "16"	8 H

OGRID No.	Operator Name	Elevation
151416	FASKEN OIL AND RANCH, LTD	3637'

Surface Location

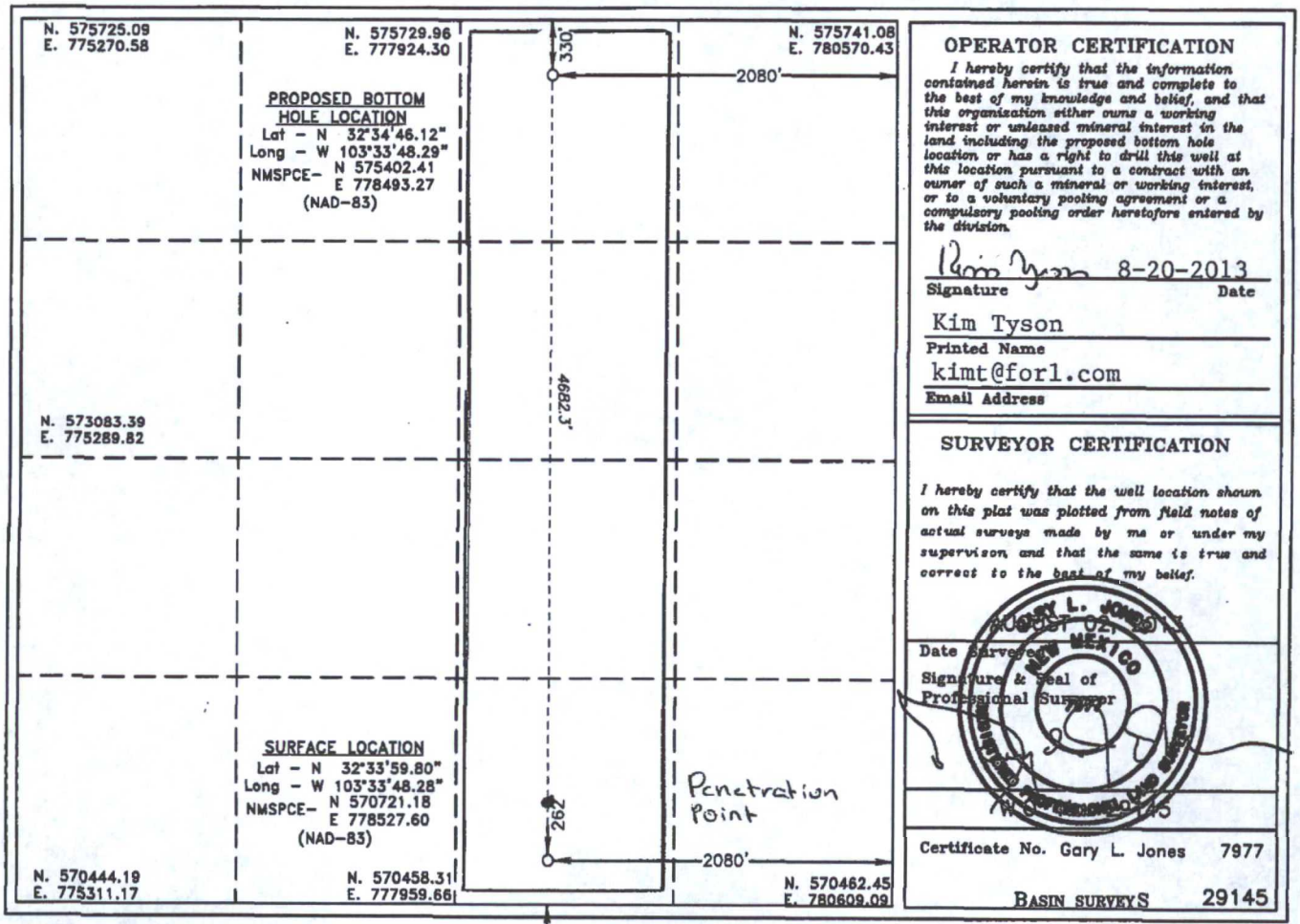
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
O	16	20 S	34 E		262	SOUTH	2080	EAST	LEA

Bottom Hole Location If Different From Surface

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
B	16	20 S	34 E		330	NORTH	2080	EAST	LEA

Dedicated Acres	Joint or Infill	Consolidation Code	Order No.
160			

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION



OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Kim Tyson 8-20-2013
Signature Date

Kim Tyson
Printed Name

kimt@forl.com
Email Address

SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervison, and that the same is true and correct to the best of my belief.

AUGUST 02, 2013
Date Surveyed

Signature & Seal of Professional Surveyor

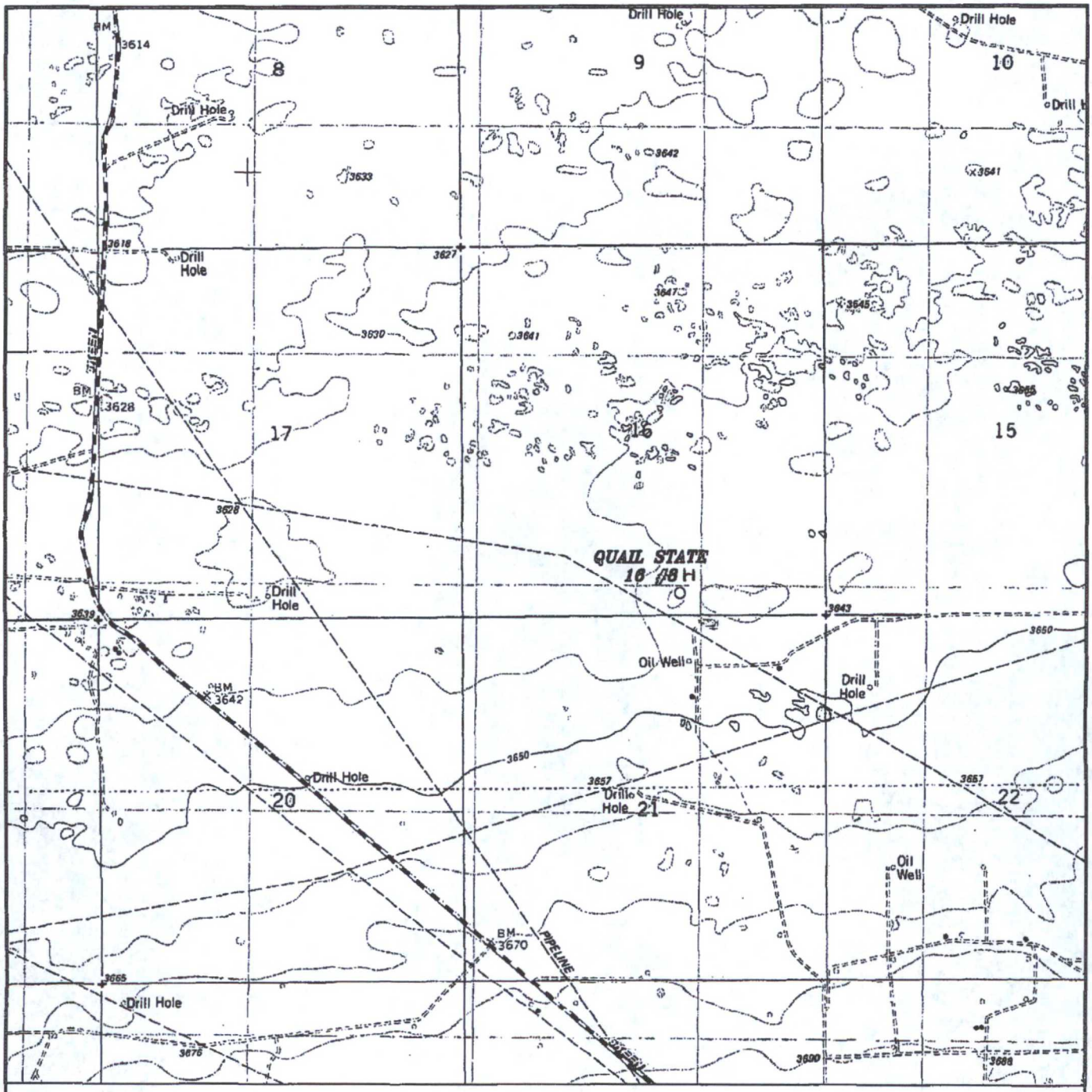
GARY L. JONES
NEW MEXICO
7977
REGISTERED PROFESSIONAL SURVEYOR

Certificate No. Gary L. Jones 7977

BASIN SURVEYS 29145

Penetration Point - 11,220' MD; 10,982' TVD; 677' FSL & 2080' FEL

SEP 04 2013



QUAIL STATE 16 #8 H
Located 262' FSL and 2080' FEL
Section 16, Township 20 South, Range 34 East,
N.M.P.M., Lea County, New Mexico.

Basin Surveys
focused on excellence in the oilfield
P.O. Box 1786
1120 N. West County Rd.
Hobbs, New Mexico 88241
(575) 393-7316 - Office
(575) 392-2206 - Fax
basinsurveys.com

W.O. Number:	KJG - 29145
Survey Date:	08-03-2013
Scale:	1" = 2000'
Date:	08-08-2013

N

FASKEN OIL AND RANCH, LTD

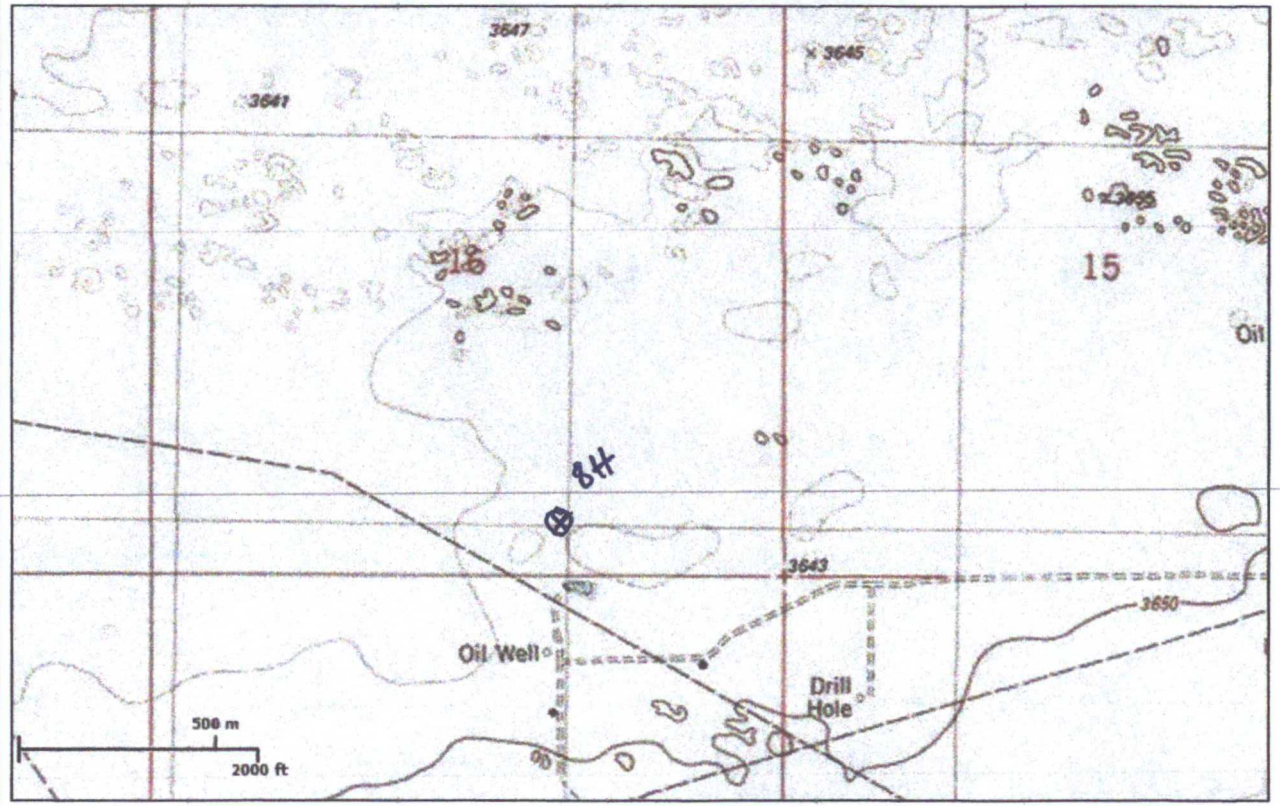
U.S. Fish and Wildlife Service

National Wetlands Inventory

Quail 16 State 8H - Topographic Map

Apr 24, 2014

No operational layers selected or no legend available



User Remarks:

Fasken Oil & Ranch ULSTR P-16-20S-34EGPS 32.56695 & -103.56375

U.S. Fish and Wildlife Service

National Wetlands Inventory

Quail 16 State #8H

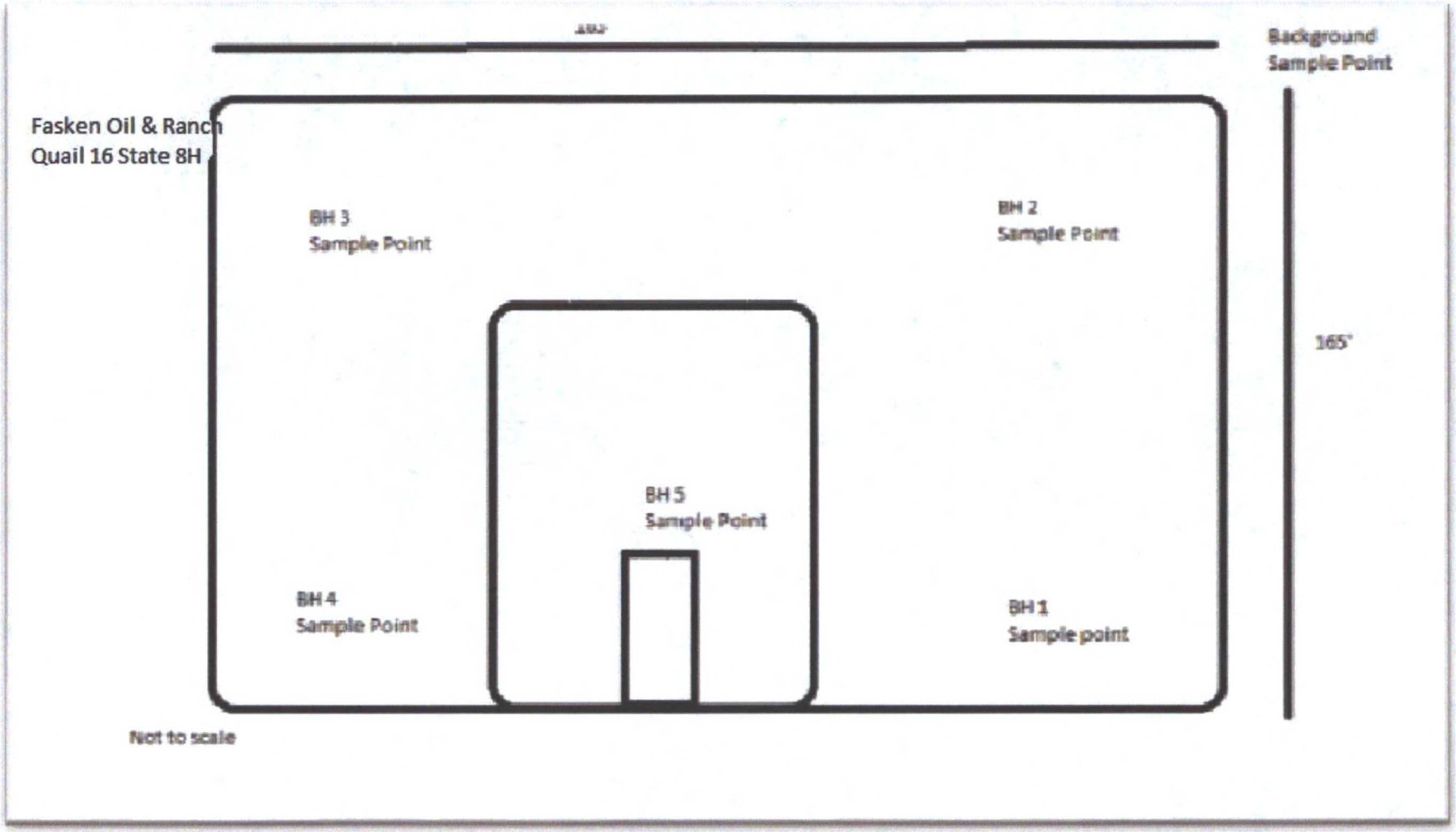
Apr 24, 2014

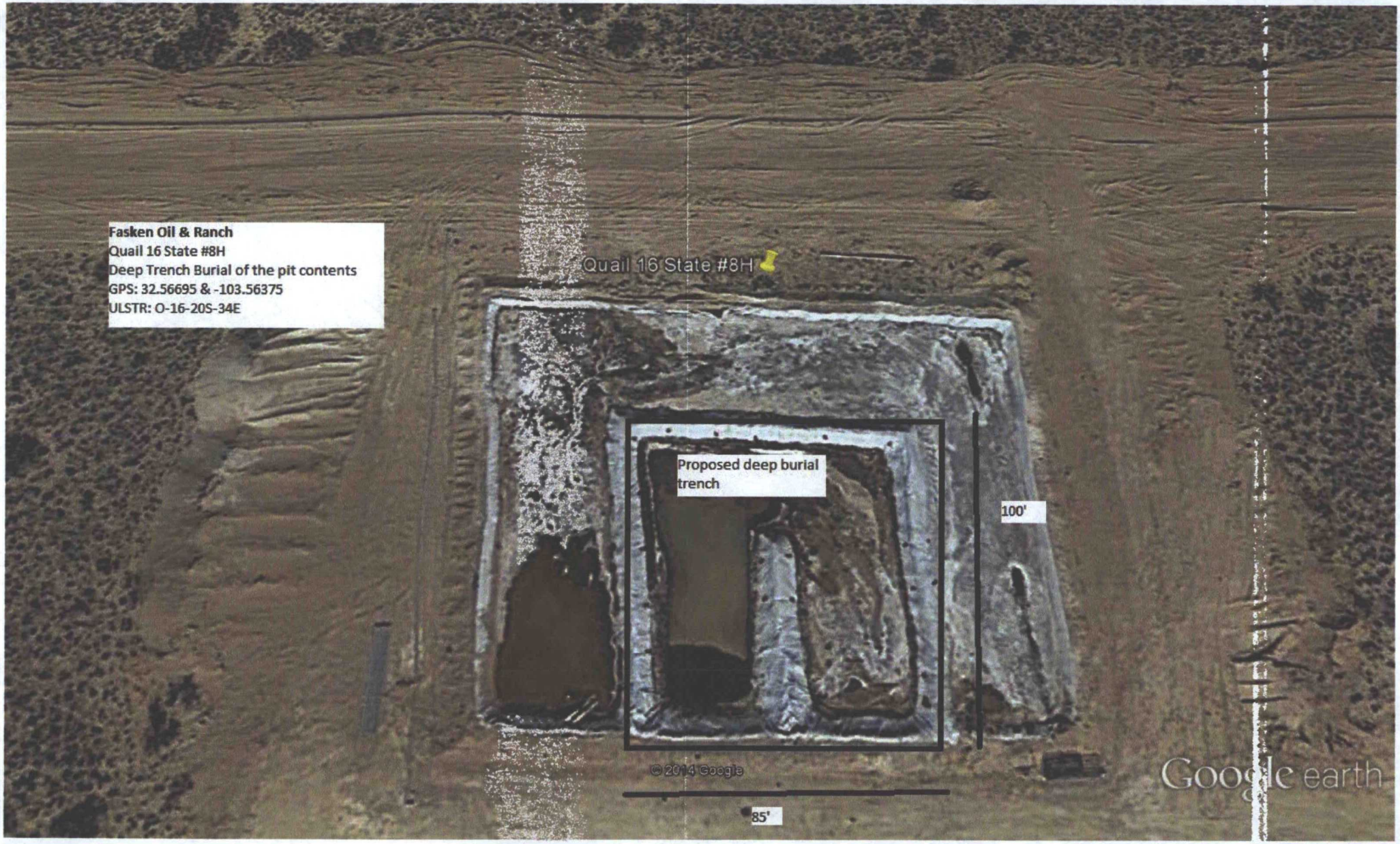
Wetlands

- Freshwater Emergent
- Freshwater Forested/Shrub
- Estuarine and Marine Deepwater
- Estuarine and Marine
- Freshwater Pond
- Lake
- Riverine
- Other

User Remarks:

Fasken Oil & RanchULSTR P-16-20S-34EGPS 32.56695 -103.56375


Background
Sample Point
Fasken Oil & Ranch
Quail 16 State 8H
BH 3
Sample Point
BH 2
Sample Point
165'
BH 5
Sample Point
BH 4
Sample Point
BH 1
Sample point
Not to scale


Fasken Oil & Ranch
Quail 16 State #8H
Deep Trench Burial of the pit contents
GPS: 32.56695 & -103.56375
ULSTR: O-16-20S-34E
Quail 16 State #8H
Proposed deep burial trench
100'
85'
© 2014 Google
Google earth


Fasken Oil & Ranch
Quail 16 State #8H
Deep Trench Burial of the pit contents
GPS: 32.56695 & -103.56375
ULSTR: O-16-20S-34E
Quail 16 State #8H
Proposed deep burial trench
100'
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Google earth