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 ECEIVED
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.
Operator: WHITING OIL & GAS CORPORATION OGRID #: 25078
Address: 400 W ILLINOIS STE 1300 MIDLAND, TEXAS 79701
Facility or well name: LEWIS 2028 33 WELL # 1
API Number: 30-021-20634 OCD Permit Number: 186146
U/L or Qtr/Qtr K Section _33 _ Township20N Range28E County: HARDING COUNTY
Center of Proposed Design: Latitude 35.917114 Longitude -103.975078 NAD: X1927 1983
Surface Owner: Federal State Private Tribal Trust or Indian Allotment
Z 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: Thicknessmil ☐ LLDPE ☐ HDPE ☐ PVC ☐ Other ☐ String-Reinforced ☐ Liner Seams: ☐ Welded ☐ Factory ☐ Other Volume:bbl Dimensions: Lx Wx 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: Thicknessmil
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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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	
Signed in compliance with 15.15.10.5 NAME	
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. 	
Exception(o). Requests must be submitted to the burner of 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 accematerial are provided below. Siting criteria does not apply to drying pads or above-grade tanks.	ptable source
General siting	
Ground water is less than 25 feet below the bottom of a low chloride temporary pit or below-grade tank.	☐ Yes ☐ No
- NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells	□ NA
Ground water is less than 50 feet below the bottom of a Temporary pit, permanent pit, or Multi-Well Fluid Management pit.	Yes No
NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells	□ 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)	□ Vas □ Na
 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).	Yes No
- Topographic map; Visual inspection (certification) of the proposed site	
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.	☐ Yes ☐ No
- Visual inspection (certification) of the proposed site; Aerial photo; Satellite image	
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
Temporary Pits, Emergency Pits, and Below-grade Tanks Permit Application Attachment Checklist: Subsection B of 19.15.17.9 N Instructions: Each of the following items must be attached to the application. Please indicate, by a check mark in the box, that the doc 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 Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC Design Plan - based upon the appropriate requirements of 19.15.17.12 NMAC Closure Plan (Please complete Boxes 14 through 18, if applicable) - based upon the appropriate requirements of Subsection C of 19.15.17.13 NMAC Previously Approved Design (attach copy of design) API Number: or Permit Number:	NMAC 15.17.9 NMAC
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 doc 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. 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:	15.17.9 NMAC

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 attached.	documents are
 ☐ 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 H₂S, 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 F Alternative	luid Management Pit
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	
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 sour provided below. Requests regarding changes to certain siting criteria require justifications and/or demonstrations of equivalency. F 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	

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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
On-Site Closure Plan Checklist: (19.15.17.13 NMAC) Instructions: Each of the following items must be attached to the closure plan 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. Construction/Design Plan of Temporary Pit (for in-place burial of a drying pad) - based upon the appropriate requirements of 19. 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 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	11 NMAC 15.17.11 NMAC
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 believed.	
Name (Print): Title:	
Signature: Date:	
e-mail address: Telephone:	
18. OCD Approval: Permit Application (including closure plan) Closure Plan (only) OCD Conditions (see attachment) OCD Representative Signature: Approval Date: 2/12 Title: DIST DERVISOR OCD Permit Number:	15
Title: DIST DIERVISOR OCD Permit Number:	
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 is required to be submitted to the division within 60 days of the completion of the closure activities. Please do not section of the form until an approved closure plan has been obtained and the closure activities have been completed. Closure Completion Date: 01/21/2015	
Closure Method: Waste Excavation and Removal ✓ On-Site Closure Method ☐ Alternative Closure Method ☐ Waste Removal (Closed-logical of the different from approved plan, please explain.	oop systems only)
Closure Report Attachment Checklist: Instructions: Each of the following items must be attached to the closure report. Please in 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	dicate, by a check

from C-344 On Conservation Division Page 5 of 6

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): KAY MADDOX /Title: REGULATORY SUPERVISOR

Date: 01/21/2015

e-mail address: KAY.MADDOX@WHITING.COM Telephone: 432.686.6709

* Sent 2/10/2015

Submit 1 Copy To Appropriate District Office	State of New Mex		Form C-103
<u>District I</u> – (575) 393-6161 1625 N. French Dr., Hobbs, NM 88240	Energy, Minerals and Natur	al Resources	Revised July 18, 2013 WELL API NO.
<u>District II</u> – (575) 748-1283	OIL CONSERVATION	DIVISION	30-021-20634
811 S. First St., Artesia, NM 88210 <u>District III</u> - (505) 334-6178	1220 South St. France		5. Indicate Type of Lease STATE ☐ FEE ☒
1000 Rio Brazos Rd., Aztec, NM 87410	Santa Fe, NM 87:		6. State Oil & Gas Lease No.
<u>District IV</u> – (505) 476-3460 1220 S. St. Francis Dr., Santa Fe, NM			o. State on & das Bease No.
87505	ES AND REPORTS ON WELLS		7. Lease Name or Unit Agreement Name
(DO NOT USE THIS FORM FOR PROPOSAL	LS TO DRILL OR TO DEEPEN OR PLU		LEWIS 2028
DIFFERENT RESERVOIR. USE "APPLICA" PROPOSALS.)	,	RSUCH	8. Well Number 331
1. Type of Well: Oil Well	Gas Well X Other		
2. Name of Operator	ATION		9. OGRID Number 25078
WHITING OIL AND GAS CORPOR 3. Address of Operator	CATION		10. Pool name or Wildcat
400 W ILLINOIS STE 1300 MIDL	AND, TX 79701		BRAVO DOME CARBON DIOXIDE GAS 640
4. Well Location			BRAYO DOME CARBON DIOAIDE GAS 040
1	m the SOUTH line and 1659 fee	t from the WEST	line
Section 33 Townsh		NMPM	County HARDING
	11. Elevation (Show whether DR,		
EL VICE CO. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.	5510' GR	,	
12. Check Ap	propriate Box to Indicate Na	iture of Notice,	Report or Other Data
NOTICE OF INT	ENTION TO:	SUB	SEQUENT REPORT OF:
	PLUG AND ABANDON	REMEDIAL WORK	
	CHANGE PLANS	COMMENCE DRI	LLING OPNS. P AND A
PULL OR ALTER CASING	MULTIPLE COMPL	CASING/CEMENT	TJOB ⊠
DOWNHOLE COMMINGLE			
CLOSED-LOOP SYSTEM		OTHER:	П
OTHER: 13 Describe proposed or complet	red operations (Clearly state all p		d give pertinent dates, including estimated date
			npletions: Attach wellbore diagram of
proposed completion or recon			
07/24/2014 SPUDDED WELL			
07/25/2014 RAN J-55, 9 5/8" 36# CS	G SET @ 723' W/450 SXS CMT	W/ 14.8PPG & 1.3	35 YIELD, CIRC CMT TO SURF
07/31/2014 RAN J-55, 7" 20# CSG SI	ET @ 2200' W/200 SXS CMT 2.	09 YIELD 12.50 P	PG + 100 SXS CMT 1.34 YIELD 14.80 PPG
TOTAL OF 300 SXS CM	T DID NOT CIRCULATE TO SU		
08/03/2014 RELEASED DRILLING	RIG		
07/04/0044		00/00/2014	
Spud Date: 07/24/2014	Rig Release Dat	08/03/2014	
I hereby certify that the information ab	ove is true and complete to the be	st of my knowledg	e and belief.
Ann.	1. (
SIGNATURE MAN MADO	LOV TITLE: REGU	LATORY ANALY	YST DATE: 08/06/2014
	/		
Type or print name Kay Maddox E-n For State Use Only	naıı address: <u>kay.Maddox@Whitir</u>	ng.com PHONE:	432-638-8475

APPROVED BY: _____TITLE _____DATE ______
Conditions of Approval (if any):

WHITING OIL AND GAS CORPORATION PIT CLOSURE REPORT

LEWIS 2028 33 #1 API NO 30-021-20634

1) The pit will be closed within six (6) months from the date that the drilling or workover rig is released. If necessary, the division district office may grant an extension not to exceed three (3) months.

The drilling rig was released 8/03/2014 - pit was closed within 6 months

 Surface Owners will be notified by Certified mail at least 72 hours but not more than one week prior to closure of the Temporary pit. The notice shall include well name, API number and location.

Surface owners were notified - reference attached copy of notice

3) The Appropriate Division District Office (OCD) will be notified verbally and in writing at least 72 hours but not more than one week prior to closure of the Temporary pit. The notice shall include well name, API number and location.

NMOCD was notified via email - reference attached copy of email

- 4) If on site burial is on PRIVATE LAND, Whiting will file a deed notice identifying the exact location of the onsite burial with the county clerk in county where onsite burial occurs Deed notice was filed – see attached
- 5) All liquids from the pit will be removed prior to closure. Liquids will be disposed of at the Sundance Services, Inc. Parabo Disposal Facility (Permit No. 010003), unless they are recycled, reused, or reclaimed in a division district office-approved manner.

Liquids from pit evaporated, no removal was required.

6) The pit will be stabilized with clean non-waste containing earthen material with a ratio no more then 3:1

Pit was stabilized with non-waste containing earthen material in order to achieve the solidification process. The solidification process was accomplished by using a combination of natural drying and Mechanically mixing. Pit contents were mixed with non-waste, earthen material to a consistency that is deemed safe and stable. The mixing ratio consisted of approximately 3 parts clean soil to 1 part pit contents.

- 7) After stabilization, the contents of the pit will be tested to determine whether concentrations are below standards. A five-point composite sample will be collected. The samples will be sent to an approved laboratory and analyzed for benzene, total BTEX, TPH, the GRO and DRO combined fraction, and chlorides. <u>Assuming water could be encountered around 100'</u>, the following should not be exceeded:
 - Chlorides (ads determined by EPA method 300.1): 40,000 mg/kg or background concentration, whichever is greater
 - TPH (EPA SW-846 method 418.a or other division-approved EPA method): 2500 mg/kg.

GRO and DRO combined fraction (EPA SW-846 method 8015M): 1000 mg/kg.

BTEX (EPA SW-846 method 8021B or 8260B or other approved EPA method): 50 mg/kg

 Benzene (EPA SW-846 method 8021B or 8260B or other approved EPA method): 10 mg/kg

A five point composite sample was taken of the pit using sample tools and all samples tested per Subsection B of 19.15.17.1 3(B)(1)(b) results attached.

8) If the contents are above the concentration limits after stabilization Whiting will comply with 19.15.17.13.C (Waste Excavation and Removal)

Not necessary

9) If it is determined that contents of the pit doesn't exceed the above-specified concentrations, the pit will be covered with compacted, non-waste-containing, earthen material. A division-prescribed soil cover will be constructed and the site will be re-contoured and re-vegetated, per Subsections D, E, F, G, H, of 19.15.17.13 NMAC

The pit material passed solidification and testing standards. The pit area was then back filled with compacted, non-waste containing earthen material.

10) All areas associated with the pit that are no longer being used will be substantially restored to the condition that existed prior to oil and gas operations by placement of the soil cover recontouring to match original contours and surrounding topography, and re-vegetating.

This was done – please see attached pictures

11) If an alternative to the re-vegetation requirements is required to prevent erosion, protect fresh water, or protect human health and the environment, this alternative will be proposed to the surface owner. The proposed alternative, with written documentation demonstrating that the surface owner approves the alternative, will be submitted to the division for approval.

No alternative is required

12) Soil cover will consist of 4' of non-waste containing earthen material with chloride concentrations less than 600mg/KG including 1' of topsoil

Four feet of non-waste earthen cover was achieved including one foot of suitable material to establish vegetation.

13) All contents, including synthetic pit liners, will be buried in place. By folding outer edges of the pit liner to overlap waste material, and then installing a geomembrane liner cover that is 20 mil string reinforced LLDPE, synthetic material, impervious, resistant to ultra violet light, petroleum hydrocarbons, salts, acid and alkaline.

These was done including placing a 20 mil LLDPE liner cover

14) Soil cover will be constructed to the site's existing grade and will prevent ponding of water and erosion of the cover material.

This was done - reference attached photos

15) The first favorable growing season following pit closure, all disturbed areas associated with the pit and no longer being used will be seeded or planted.

This area will be re-seeded during the next growing season in this area – reference attached letter

16) Seeding will be accomplished by drilling on the contour whenever practical, or by other division-approved methods. Vegetative cover will be considered complete when there is a life form ratio of +/- 50% of pre-disturbance levels with at least 70% total plant cover of pre-disturbance level (Excluding Noxious Weeds) OR in accordance to 19.15.17.13.H.5.d

This will be done during the next growing season in this area

17) Seeding or planting will be repeated until the required vegetative cover is successfully achieved.

Whiting will comply

- 18) When conditions aren't favorable for the establishment of vegetation (such as during periods of drought), the division will be contacted for approval to delay seeding or planting, or for approval to use additional cultural techniques such as mulching, fertilizing, irrigating, fencing, etc. **Attached letter**
- 19) The division will be notified when seeding or planting is completed, and when successful revegetation has been achieved.

Whiting will comply

- 20) Place a steel marker at the center of the onsite burial. The marker shall be 4" diameter, at least 4' high and cemented 3' deep. The following will be welded, stamped or otherwise permanently engraved into the marker; operator name, lease name, well number and location, unit letter, section, township, range, and that the marker designates an onsite burial **Reference attached pictures**
- 21) Within 60 days of closure, completion, a closure report will be submitted on form C-144, with necessary attachments, to document closure activities, including sampling results, a plot plan, and backfilling details. In this closure report, Whiting will certify that all information in the report and attachments is correct and that Whiting has complied with all applicable closure requirements and conditions specified in the approved Closure Plan. A plat of the temporary pit location will be provided on form C-105.

Whiting will comply

COUNTY OF HARDING

NOTICE OF PIT CLOSURE

In accordance with Section 19.15.17.13.E.4 of the NMOCD , the operator hereby provides notice of an on-site burial of a temporary Oil & Gas drilling pit. All rules and regulations of Rule 19.15.17 have been adhered to.

Lease name:

LEWIS 2028 33

Well No:

1

API No:

30-021-20634

TWN & RGE:

TWN 20N RGE 28E Section 33

Unit Letter:

K

Footages:

1659 FSL & 1659 FWL

Date of Closure:

01/21/2015

IN WITNESS WHEREOF, the recordation notice of Pit Closure/burial has been executed on the date indicated below by undersigned.

Whiting Petroleum Corporation And its wholly owned subsidiary

Whiting Oil & Gas Corporation

Kay Maddox + Regulatory Supervisor

HARDING COUNTY, NM RECEPTION# 20952 01/29/2015 10:49:42 AM

01/29/2015 10:49:42 AM BK 19 PAGE 10985 1 of 1

BY CJ GARRRISON, DEPUTY

STATE OF TEXAS
COUNTY OF MIDLAND

This instrument was acknowledged before me this 21ST day of JANUARY, 2015, by

Kay Maddox on behalf of Whiting Oil & Gas Corporation.

Sheila A. Shanks
Notary Putalic,
State of Texas
Comm. Exp. 04-21-15

Notary Public



January 12, 2015

Linda Lewis 141 Lewis Road Mosquero, New Mexico 87733

RE: Notification to Surface Owner of On-Site Drilling Pit Closure Plans

Wells:

01/19/2015

Lewis 2028 32 Well #1 - 30-021-20639 located in section 32, T20N, R28E Harding County, NM

01/20/2015

Lewis 2028 33 Well #1 - 30-021-20634 located in section 33, T20N, R28E Harding County, NM

This letter is to notify you that Whiting Oil & Gas proposes to close and remediate the surface land on or around 01/19/2015 – 01/25/2015 weather permitting. The pits will be closed according to all rules and regulations noted in Subsection E of 19.15.17.13 NMAC.

If you have any additional question please contact Kay Maddox @ 432.686.6709.

Sincerely,

Kav Maddox

Regulatory Supervisor

Mailed, by értified mail to above listed party on this the 12th day of January, 2015

Signed: Kay Maddox- Regulatory Supervisor

7011 3500 0002 4991 2011 Certified Mail Number

Whiting Petroleum Corporation and its wholly owned subsidiary Whiting Oil and Gas Corporation

Kay Maddox

From: Kay Maddox

Sent: Monday, January 12, 2015 1:53 PM

To: Lowe, Leonard, EMNRD (Leonard.Lowe@state.nm.us)

Cc: 'Smith, Cory, EMNRD'; Jones, William V, EMNRD (WilliamV.Jones@state.nm.us); Danny

Holcomb (djholcomb75@gmail.com)

Subject: Pit Closure Notification

Whiting will close the temporary pits on the following wells, on these dates – weather permitting.

01/19/2015

Lewis 2028 32 Well #1 - 30-021-20639 located in section 32, T120N, R28E Harding County, NM

01/20/2015

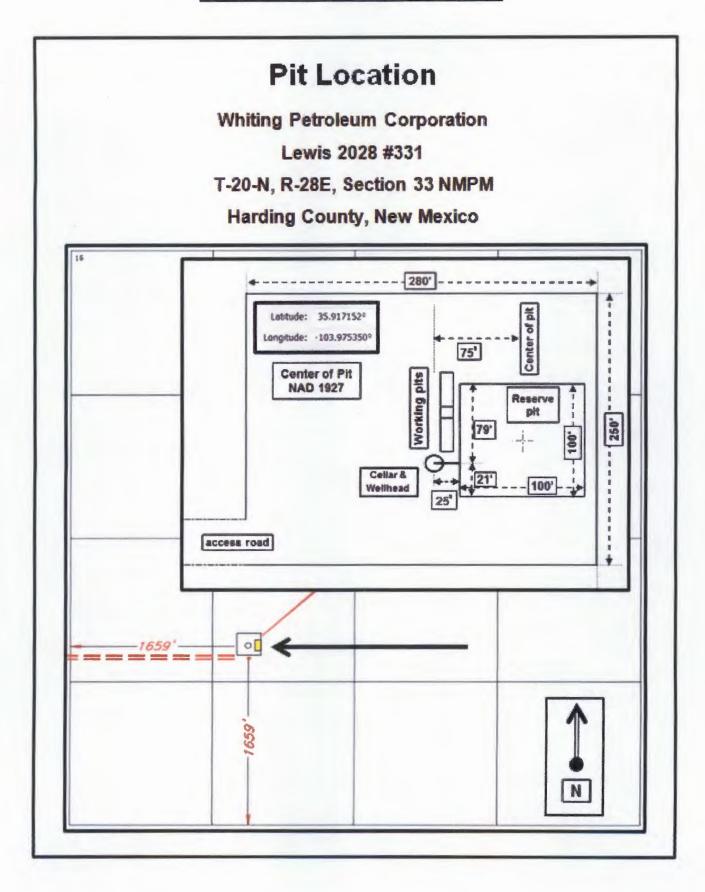
Lewis 2028 33 Well #1 - 30-021-20634 located in section 33, T20N, R28E Harding county, NM

Kay Maddox

Regulatory Supervisor
Whiting Petroleum Corporation
and its wholly owned subsidiary
Whiting Oil and Gas Corporation
400 West Illinois Avenue, Suite 1300
Midland, TX 79701
Direct (432) 686-6709
Cell (432) 638-8475
kay.maddox@whiting.com

www.whiting.com

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October 21, 2014

DANNY HOLCOMB
WHITING OIL & GAS
400 W. ILLINOIS, SUITE 1300
MIDLAND, TX 79701

RE: WEST BRAVO DOME

Enclosed are the results of analyses for samples received by the laboratory on 10/09/14 15:00.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-13-5. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab accred certif.html.

Cardinal Laboratories is accreditated through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2 Haloacetic Acids (HAA-5)
Method EPA 524.2 Total Trihalomethanes (TTHM)
Method EPA 524.4 Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

Celey D. Keene

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



WHITING OIL & GAS DANNY HOLCOMB 400 W. ILLINOIS, SUITE 1300 MIDLAND TX, 79701 NONE

Fax To:

Received:

10/09/2014

Reported:

10/21/2014

Project Name:

WEST BRAVO DOME

Project Number: Project Location: NONE GIVEN HARDING COUNTY NM

Sampling Date:

10/08/2014

Sampling Type:

Soil

Sampling Condition:

Cool & Intact

Sample Received By:

Celey D. Keene

Sample ID: LEWIS 1928 #051 (H403109-01)

BTEX 8021B	mg/kg		Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/14/2014	ND	1.88	93.9	2.00	4.94	
Toluene*	<0.050	0.050	10/14/2014	ND	1.79	89.4	2.00	4.98	
Ethylbenzene*	<0.050	0.050	10/14/2014	ND	1.70	85.1	2.00	4.62	
Total Xylenes*	< 0.150	0.150	10/14/2014	ND	5.06	84.3	6.00	4.69	
Total BTEX	<0.300	0.300	10/14/2014	ND					
Surrogate: 4-Bromofluorobenzene (PIL	101	% 61-154	· · · · · · · · · · · ·						
Chloride, SM4500Cr-B	mg	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	8S	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	10/13/2014	ND	432	108	400	7.69	
TPH 418.1	mg	(kg	Analyzed By: CK						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
TPH 418.1	140	100	10/21/2014	ND	5400	108	5000	5.25	
TPH 8015M	mg	/kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Biank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	10/13/2014	ND	173	86.4	200	3.06	
DRO >C10-C28	<10.0	10.0	10/13/2014	ND	173	86.6	200	4.38	
Surrogate: 1-Chlorooctane	91.9	% 47.2-157	7						
Surrogate: 1-Chlorooctadecane	97.6	% 52.1-176	5						

Cardinal Laboratories

*=Accredited Analyte

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Celegi France



WHITING OIL & GAS DANNY HOLCOMB 400 W. ILLINOIS, SUITE 1300 MIDLAND TX, 79701 Fax To: NONE

Received:

10/09/2014

Sampling Date:

10/09/2014

Reported:

10/21/2014

Sampling Type:

Soil

Project Name:

WEST BRAVO DOME

Sampling Condition:

Cool & Intact

Project Number:

NONE GIVEN

Sample Received By:

Project Location:

HARDING COUNTY NM

Celey D. Keene

Sample ID: LEWIS 2028 #321 (H403109-02)

BTEX 8021B	mg/kg		Analyze	Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/14/2014	ND	1.88	93.9	2.00	4.94	
Toluene*	<0.050	0.050	10/14/2014	ND	1.79	89.4	2.00	4.98	
Ethylbenzene*	<0.050	0.050	10/14/2014	ND	1.70	85.1	2.00	4.62	
Total Xyienes*	<0.150	0.150	10/14/2014	ND	5.06	84.3	6.00	4.69	
Total BTEX	<0.300	0.300	10/14/2014	ND					
Surrogate: 4-Bromofluorobenzene (PIL	102	% 61-15-	·····						-
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
Chloride	144	16.0	10/13/2014	ND	432	108	400	7.69	
TPH 418.1	mg	/kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
TPH 418.1	508	100	10/21/2014	ND	5400	108	5000	5.25	
TPH 8015M	mg,	/kg	Analyze	Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	10/13/2014	ND	173	86.4	200	3.06	
DRO >C10-C28	12.7	10.0	10/13/2014	ND	173	86.6	200	4.38	
Surrogate: 1-Chlorooctane	94.1	% 47.2-15	7						
Surrogate: 1-Chlorooctadecane	97.0		6						

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*=Accredited Analyte

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Celay To train a -

Celey D. Keene, Lab Director/Quality Manager



WHITING OIL & GAS DANNY HOLCOMB 400 W. ILLINOIS, SUITE 1300 MIDLAND TX, 79701

NONE Fax To:

Received:

BTEX 80218

10/09/2014

Sampling Date:

10/09/2014

Reported:

10/21/2014

Sampling Type:

Soil

Project Name:

WEST BRAVO DOME

Sampling Condition:

Cool & Intact

Project Number:

NONE GIVEN

ma/ka

Sample Received By:

Celey D. Keene

Project Location:

HARDING COUNTY NM

Sample ID: LEWIS 2028 #331 (H403109-03)

mg/kg		Anaiyze	Analyzed by: ms					
Result	Reporting Limit	Analyzed	Method Blank	85	% Recovery	True Value QC	RPD	Qualifier
<0.050	0.050	10/14/2014	ND	1.88	93.9	2.00	4.94	
<0.050	0.050	10/14/2014	ND	1.79	89.4	2.00	4.98	
< 0.050	0.050	10/14/2014	ND	1.70	85.1	2.00	4.62	
<0.150	0.150	10/14/2014	ND	5.06	84.3	6.00	4.69	
<0.300	0.300	10/14/2014	ND					
101	% 61-154		-			_		
mg,	kg	Analyze	d By: AP					
Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
736	16.0	10/13/2014	ND	432	108	400	7.69	
mg/	kg	Analyze	d By: CK					
Result	Reporting Limit	Analyzed	Method Blank	8S	% Recovery	True Value QC	RPD	Qualifie
681	100	10/21/2014	ND	5400	108	5000	5.25	
mg/	kg	Analyze	d By: ms					
Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<10.0	10.0	10/13/2014	ND	173	86.4	200	3.06	
<10.0	10.0	10/13/2014	ND	173	86.6	200	4.38	
92.2	% 47.2-157	7		71.0.00				
	Result <0.050 <0.050 <0.050 <0.150 <0.300 /01 / mg/ Result 736 mg/ Result 681 mg/ Result <10.0 <10.0	Result Reporting Limit <0.050	Result Reporting Limit Analyzed <0.050	<0.050	Result Reporting Limit Analyzed Method Blank BS <0.050	Result Reporting Limit Analyzed Method Blank BS % Recovery <0.050	Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC <0.050	Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD <0.050

Analyzed By: ms

Cardinal Laboratories

*=Accredited Analyte

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Colog Tistrana



WHITING OIL & GAS DANNY HOLCOMB 400 W. ILLINOIS, SUITE 1300 MIDLAND TX, 79701

NONE Fax To:

Received:

10/09/2014

Sampling Date:

10/08/2014

Reported:

10/21/2014

Sampling Type:

Soil

Project Name:

WEST BRAVO DOME

Sampling Condition:

Cool & Intact

Sample Received By:

Project Number:

NONE GIVEN

Celey D. Keene

Project Location:

HARDING COUNTY NM

Sample ID: i	LEWIS	2028	#341	(H403109-04)
BTEX 8021B				mg/kg

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/14/2014	ND	1.88	93.9	2.00	4.94	
Toluene*	<0.050	0.050	10/14/2014	ND	1.79	89.4	2.00	4.98	
Ethylbenzene*	<0.050	0.050	10/14/2014	ND	1.70	85.1	2.00	4.62	
Total Xylenes*	<0.150	0.150	10/14/2014	ND	5.06	84.3	6.00	4.69	
Total BTEX	<0.300	0.300	10/14/2014	ND					
Surrogate: 4-Bromofluorobenzene (PIL	102	% 61-154	,			122 20000 1			
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	10/13/2014	ND	432	108	400	7.69	
TPH 418.1	mg/	/kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
TPH 418.1	314	100	10/21/2014	ND	5400	108	5000	5.25	
TPH 8015M	mg/	kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	10/13/2014	ND	173	86.4	200	3.06	
DRO >C10-C28	<10.0	10.0	10/13/2014	ND	173	86.6	200	4.38	
Surrogate: 1-Chlorooctane	93.3	% 47.2-157						,	
Surrogate: 1-Chlorooctadecane	101 9	% 52.1-176							

Analyzed By: ms

Cardinal Laboratories

*=Accredited Analyte

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Notes and Definitions

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

** Samples not received at proper temperature of 6°C or below.

*** Insufficient time to reach temperature.

Chloride by SM4500Cl-B does not require samples be received at or below 6°C

Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories *=Accredited Analyte

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Carley T. Keena



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Times 1:00p Received By:
Delivered By: (Circle One)

† Cardinal cannot accept verbal changes. Please fax written changes to (575) 393-2326



January 21, 2015

Mr. Leonard Lowe New Mexico Oil Conservation Division 1220 S. St. Francis Dr Santa Fe, NM 87505

RE: Pit Closure

Dear Mr. Lowe,

Whiting Oil & Gas shall re-seed the disturbed Pit area for the well listed below. The re-seeding shall occur in the next rainy season documented for Harding County, New Mexico approximately August/September 2015.

If you have additional question please contact me @ 432.686.6709 or kay.maddox@whiting.com Thank you for your time.

Sincerely

Kay Maddox

Regulatory Supervisor

LEWIS 2028 33 Well # 1 30-021-20634 Harding County, New Mexico Version120804

WHITING OIL & GAS CORPORATION

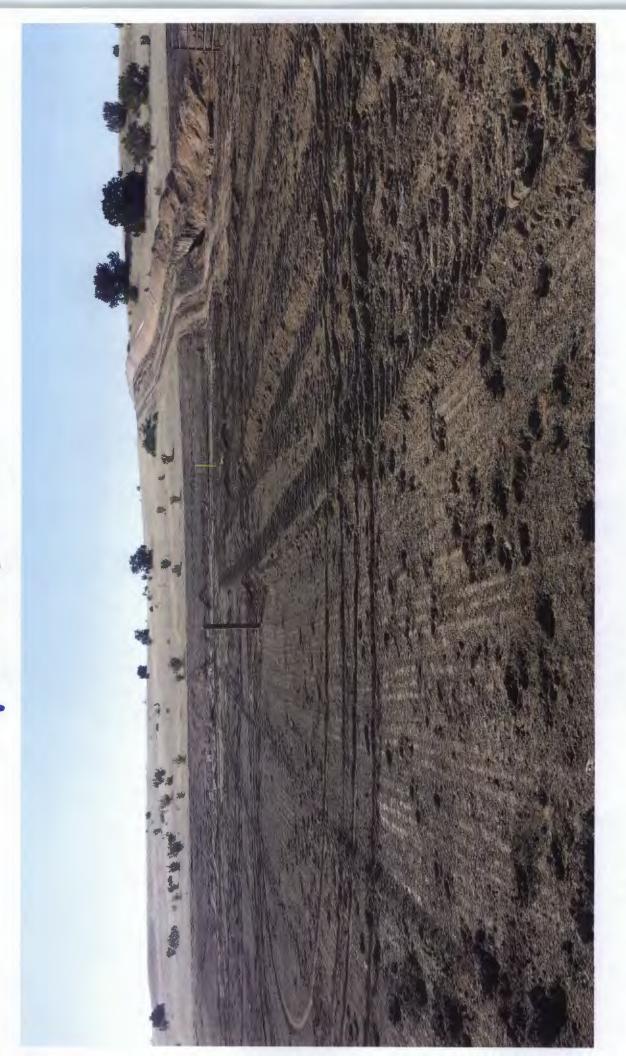
Workover and Completion Report

	331 Field: Other		ate: 01/20/15	Day:	20 Type:			
PI: 30-021-20634	Move On Date:	7/24/2014 AF	E#: 14-1121-03	Rig:	NA	Supv DH Depth: 2,8		
Present Operation: Well s	hut in pending install	ation of flowline a	nd meter skid					
Ssg:	5.5" 15.5# J-55	Lir	ner:	None				
Rods:	None	Pe	rfs: 2659'-	2659'-2664', 2676'-2680', 2691'-2701' (0.42" hole, 6 SPF)				
bg:	82 JTS 2 3	3/8 EUE 8 RD 4.7	# J-55 BLUE BA	ND Internally	lined with I	KC Click to Calc. HP - Hrs		
GHG Gas Vol(Mcf)	Dur. Hrs mcf/d	ga	or	Gas Volu Estimated		Producing Method		
Total Rig Hrs:	Daily Activity		ent Total HP/Hr s > 130 HP)	0	for ####	Units <= 130 HP (Count)		
irt cover, spread topsoil o <mark>/21/15</mark> install 4.5" OD steel pit bu	on top, MO dirt equip	ment. NMOCD not of pit burial (set in	otified and not pro concrete).	esent,				
ver outside edges of pit I irt cover, spread topsoil of /21/15 Install 4.5" OD steel pit bu Vill final blade surface wit	on top, MO dirt equip	ment. NMOCD not of pit burial (set in	otified and not pro concrete).	esent,				

Expense Account Codes	Capital Account Codes	Comments		Amount	
	811.94 Contract Services and Equipme	net Hartley Construction		\$	9,857
	811.39 Contract Labor	EWC		\$	1,800
			Daily Total: Prev. Total:	\$	11,657
			Cum. Total:	\$	11.65



Looking North



Looking ERST

Louing west

