

District I  
1625 N. French Dr., Hobbs, NM 88249  
District II  
57 E. First St., Artesia, NM 88210  
District III  
1000 Rio Pecos 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.

2010 MAY 12

RECEIVED

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: Whiting Oil & Gas Corp OGRID #: 25078  
Address: 400 W. Illinois, Suite 1300, Midland, Texas 79701  
Facility or well name: Lewis 1928 #2-1  
API Number: 30-021-20587 OCD Permit Number: \_\_\_\_\_  
U/L or Qtr/Qtr J Section 2 Township 19-N Range 28-E County: Harding  
Center of Proposed Design: Latitude 35.904125 Longitude -103.932550 NAD: ☒ 1927 ☐ 1983  
Surface Owner: ☐ Federal ☐ State ☒ Private ☐ Tribal Trust or Indian Allotment

OIL CONS. DIV DIST. 3

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: 10,700 bbl Dimensions: L 100' x W 100' x D 6'

MAY 29 2014

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 \_\_\_\_\_

OIL CONS. DIV DIST. 3

MAY 29 2014

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 \_\_\_\_\_

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): \_\_\_\_\_ 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: 7/22/14

Title: Environmental Spec OCD Permit Number: 12036

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: May 7, 2014

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.*

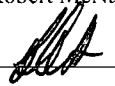
- ☒ Proof of Closure Notice (surface owner and division)  
☐ Proof of Deed Notice (required for on-site closure for private land only)  
☐ Plot Plan (for on-site closures and temporary pits)  
☒ Confirmation Sampling Analytical Results (if applicable)  
☒ Waste Material Sampling Analytical Results (required 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

**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): Robert McNaughton Title: Sr Operations Engineer

Signature: 

Date: 05/09/2014

e-mail address: Robert.McNaughton@whiting.com Telephone: 432-413-2989

**Analytical Results For:**

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

 Received: 04/23/2014  
 Reported: 04/30/2014  
 Project Name: WEST BRAVO DOME CO2  
 Project Number: 13-1224-03  
 Project Location: HARDING COUNTY, NM

 Sampling Date: 04/22/2014  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Jodi Henson

**Sample ID: LEWIS 1928 #2-1 (H401230-08)**

BTX 82608			mg/kg		Analyzed By: ck				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/30/2014	ND	2.35	118	2.00	6.15	
Toluene*	<0.050	0.050	04/30/2014	ND	2.13	106	2.00	8.09	
Ethylbenzene*	<0.050	0.050	04/30/2014	ND	2.03	102	2.00	7.15	
Total Xylenes*	<0.150	0.150	04/30/2014	ND	6.25	104	6.00	8.15	
Total BTX	<0.300	0.300	04/30/2014	ND					

Surrogate: Dibromofluoromethane 103 % 61.3-142

Surrogate: Toluene-d8 97.4 % 71.3-129

Surrogate: 4-Bromofluorobenzene 102 % 65.7-141

Chloride, SM4500Cl-B			mg/kg		Analyzed By: AP				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	848	16.0	04/25/2014	ND	416	104	400	0.00	

TPH 8015M			mg/kg		Analyzed By: CK				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	04/25/2014	ND	186	92.9	200	11.1	
DRO >C10-C28	<10.0	10.0	04/25/2014	ND	207	103	200	12.5	

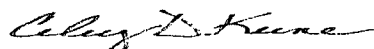
Surrogate: 1-Chlorooctane 97.4 % 65.2-140

Surrogate: 1-Chlorooctadecane 94.8 % 63.6-154

Cardinal Laboratories

\* = Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Celey D. Keene, Lab Director/Quality Manager



May 1, 2014

Linda Lewis  
141 Lewis Road  
Mosquero, New Mexico 87733

RE: Notification to Surface Owner of On-Site Drilling Pit Closure  
Well: Lewis 1928 Well # 2-1  
Harding County, NM

Whiting Oil & Gas proposes to close and remediate the surface land according to all rules and regulations noted in Subsection E of 19.15.17.13 NMAC beginning May 5, 2014.

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

Sincerely,

Kay Maddox  
Regulatory Supervisor

Mailed by certified mail to above listed party on this the 1<sup>st</sup> day of May, 2014

Signed: Kay Maddox- Regulatory Supervisor

7011 3500 0002 4491 1588

Certified Mail Number

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

400 W. Illinois Avenue, Suite 1300, Midland, TX 79701 Office: 432.686.6700 Fax 432.686.6799

**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) 476-3470 Fax:(505) 476-3462

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

Form C-101  
August 1, 2011

Permit 175571

**OIL CONS. DIV DIST. 3**

**JUL 21 2014**

**APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE**

1. Operator Name and Address WHITING OIL AND GAS CORPORATION 400 W. Illinois Midland, TX 79701		2. OGRID Number 25078
4. Property Code 40189		3. API Number 30-021-20587
5. Property Name LEWIS 1928		6. Well No. 2-1

**7. Surface Location**

UL - Lot J	Section 2	Township 19N	Range 28E	Lot Idn J	Feet From 2110	N/S Line S	Feet From 1650	E/W Line E	County Harding
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**8. Proposed Bottom Hole Location**

UL - Lot J	Section 2	Township 19N	Range 28E	Lot Idn J	Feet From 2110	N/S Line S	Feet From 1650	E/W Line E	County Harding
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**9. Pool Information**

BRAVO DOME CARBON DIOXIDE GAS 640	96010
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**Additional Well Information**

11. Work Type New Well	12. Well Type CO2	13. Cable/Rotary	14. Lease Type Private	15. Ground Level Elevation 5469
16. Multiple N	17. Proposed Depth 3500	18. Formation Tubb	19. Contractor	20. Spud Date 11/6/2013
Depth to Ground water		Distance from nearest fresh water well		Distance to nearest surface water

☐ We will be using a closed-loop system in lieu of lined pits

**21. Proposed Casing and Cement Program**

Type	Hole Size	Casing Size	Casing Weight/ft	Setting Depth	Sacks of Cement	Estimated TOC
Surf	12.25	8.625	24	1800	650	0
Prod	7.778	5.5	15.5	3500	550	0

**Casing/Cement Program: Additional Comments**

--

**22. Proposed Blowout Prevention Program**

Type	Working Pressure	Test Pressure	Manufacturer
Annular	3000	30000	REGAN TAURUS

23. I hereby certify that the information given above is true and complete to the best of my knowledge and belief. I further certify I have complied with 19.15.14.9 (A) NMAC <input checked="" type="checkbox"/> and/or 19.15.14.9 (B) NMAC <input checked="" type="checkbox"/> if applicable.		<b>OIL CONSERVATION DIVISION</b>	
Signature:		Approved By: Ed Martin	
Printed Name: Electronically filed by Kay Maddox		Title: District Supervisor	
Title: Regulatory Agent		Approved Date: 10/28/2013	
Email Address: kay.maddox@whiting.com		Expiration Date: 10/28/2015	
Date: 10/17/2013	Phone: 432-686-6709	Conditions of Approval Attached	

**DISTRICT I**

1626 N. French Dr., Hobbs, NM 88240

State of New Mexico

Form C-102

**DISTRICT II**

1301 W. Grand Avenue, Artesia, NM 88210

Energy, Minerals, and Natural Resources Department

Revised October 12, 2005

Submit to Appropriate District Office

**DISTRICT III**

1000 Rio Brazos Rd., Aztec, NM 87410

**OIL CONSERVATION DIVISION**

1220 South St. Francis Dr.

State Lease - 4 copies

Fee Lease - 3 copies

**DISTRICT IV**

1220 S. St. Francis Dr., Santa Fe, NM 87505

Santa Fe, New Mexico 87505

☐ AMENDED REPORT**WELL LOCATION AND ACREAGE DEDICATION PLAT**

<sup>1</sup> API Number	<sup>2</sup> Pool Code 96010	<sup>3</sup> Pool Name BRAVO DOME CARBON DIOXIDE GAS
<sup>4</sup> Property Code	<sup>5</sup> Property Name LEWIS 1928	<sup>6</sup> Well Number #2-1
<sup>7</sup> GRID No. 25078	<sup>8</sup> Operator Name WHITING OIL & GAS CORPORATION	<sup>9</sup> Elevation 5489'

**<sup>10</sup>Surface Location**

UL or lot no.	Section	Township	Range	Lot Ida	Feet from the	North/South line	Feet from the	East/West line	County
J	2	19 NORTH	28 EAST, N.M.P.M.		2110'	SOUTH	1650'	EAST	HARDING

**<sup>11</sup>Bottom Hole Location If Different From Surface**

UL or lot no.	Section	Township	Range	Lot Ida	Feet from the	North/South line	Feet from the	East/West line	County
<sup>12</sup> Dedicated Acres	<sup>13</sup> Joint or Infill	<sup>14</sup> Consolidation Code	<sup>15</sup> Order No.						

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

	<sup>17</sup> <b>OPERATOR CERTIFICATION</b> 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. Signature: <i>Kay Maddox</i> Date: 10/16/13 Printed Name: KAY MADDOX 10/16/13
	<b>SURVEYOR CERTIFICATION</b> 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 supervision, and that the same is true and correct to the best of my belief. Date of Survey: OCTOBER 3, 2013 Signature and Seal of Professional Surveyor: 
	Certificate Number: V. Lynn Bezner P.S. #7920 JOB # LO_LEWIS_1928_2_1: J.J.G.

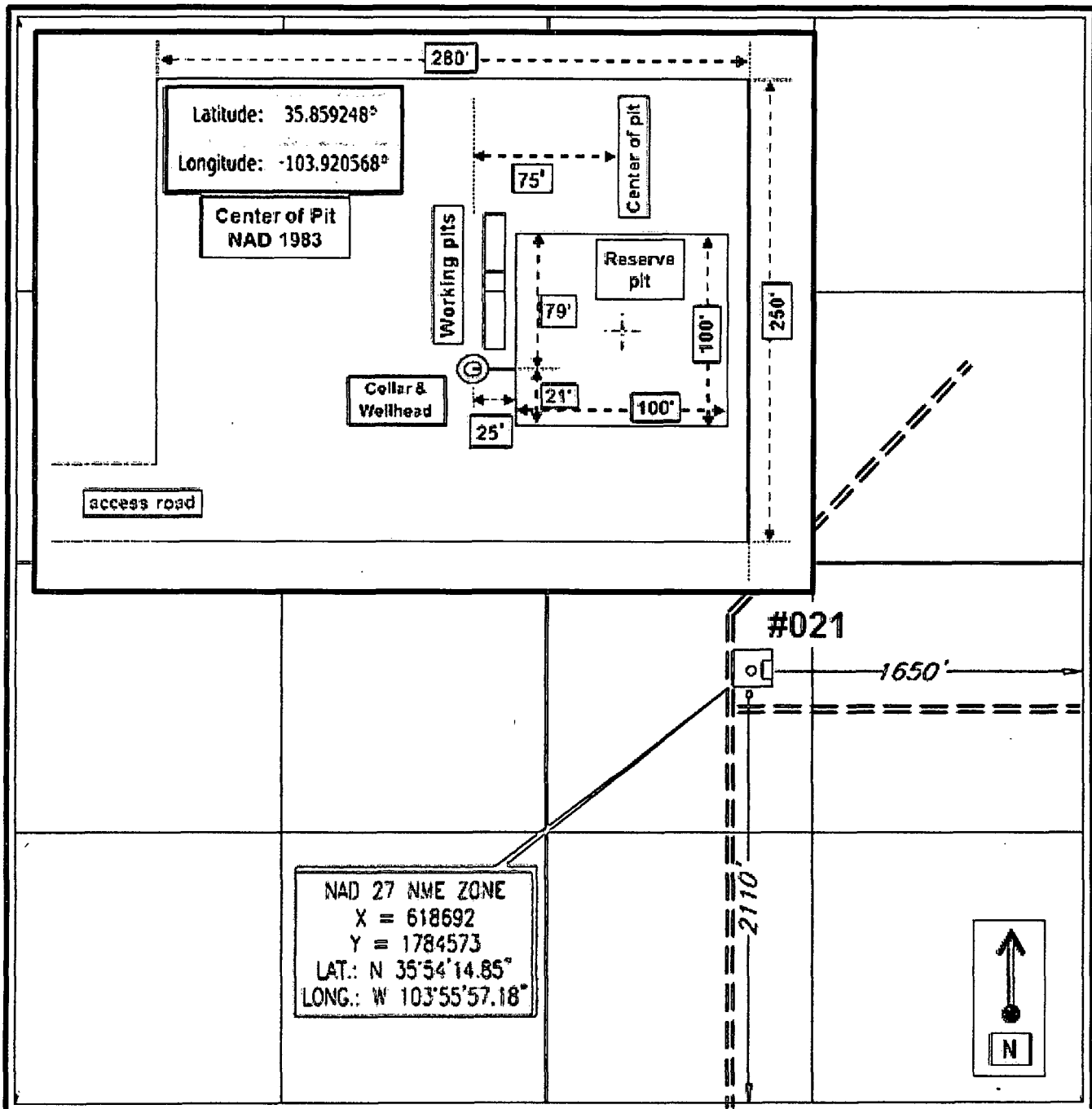
# Pit Plot

Whiting Petroleum Corporation

Lewis 1928 #021

T-19-N, R-28E, Section 2 NMPM

Harding County, New Mexico





Submit 1 Copy To Appropriate District Office  
District I - (575) 393-6161  
1625 N. French Dr., Hobbs, NM 88240  
District II - (575) 748-1283  
811 S. First St., Artesia, NM 88210  
District III - (505) 334-6178  
1000 Rio Brazos Rd., Aztec, NM 87410  
District IV - (505) 476-3460  
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico  
Energy, Minerals and Natural Resources

Form C-103  
Revised July 18, 2013

OIL CONSERVATION DIVISION  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

<b>SUNDRY NOTICES AND REPORTS ON WELLS</b> (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)		WELL API NO. 30-021-20587
1. Type of Well: Oil Well <input type="checkbox"/> Gas Well <input checked="" type="checkbox"/> Other		5. Indicate Type of Lease STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>
2. Name of Operator WHITING OIL & GAS CORP		6. State Oil & Gas Lease No.
3. Address of Operator 400 W ILLINOIS STE 1300 MIDLAND, TEXAS 79701		7. Lease Name or Unit Agreement Name LEWIS 1928
4. Well Location Unit Letter <u>J</u> : 2110 feet from the SOUTH line and 1650 feet from the EAST line Section 2 Township 19N Range 28E NMPM County HARDING		8. Well Number 2-1
11. Elevation (Show whether DR, RKB, RT, GR, etc.) GR 5469		9. OGRID Number 25078
		10. Pool name or Wildcat BRAVO DOME CARBON DIOXIDE GAS 640

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK <input type="checkbox"/>	PLUG AND ABANDON <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/>	P AND A <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	MULTIPLE COMPL <input type="checkbox"/>	CASING/CEMENT JOB <input type="checkbox"/>	
DOWNHOLE COMMINGLE <input type="checkbox"/>			
CLOSED-LOOP SYSTEM <input type="checkbox"/>			
OTHER: <input type="checkbox"/>		OTHER: <input type="checkbox"/>	

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 19.15.7.14 NMAC. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

12/18/2013 MOVED RIG BACK ON - LOGGING  
12/21/2013 SET PRODUCTION CASING 5 1/2" J-55, 15.5# @ 2879' W/600 SXS CMT, DID NOT CIRCULATE

Spud Date:

11/19/2013

Rig Release Date:

12/21/2013

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE

*Kay Maddox*

TITLE: REGULATORY SUPERVISOR DATE: 01/02/2014

Type or print name KAY MADDOX E-mail address: kay.maddox@Whiting.com PHONE: 432-686-6709

For State Use Only

APPROVED BY:

*[Signature]*

TITLE

DISTRICT SUPERVISOR

DATE

1/9/2014

Conditions of Approval (if any):



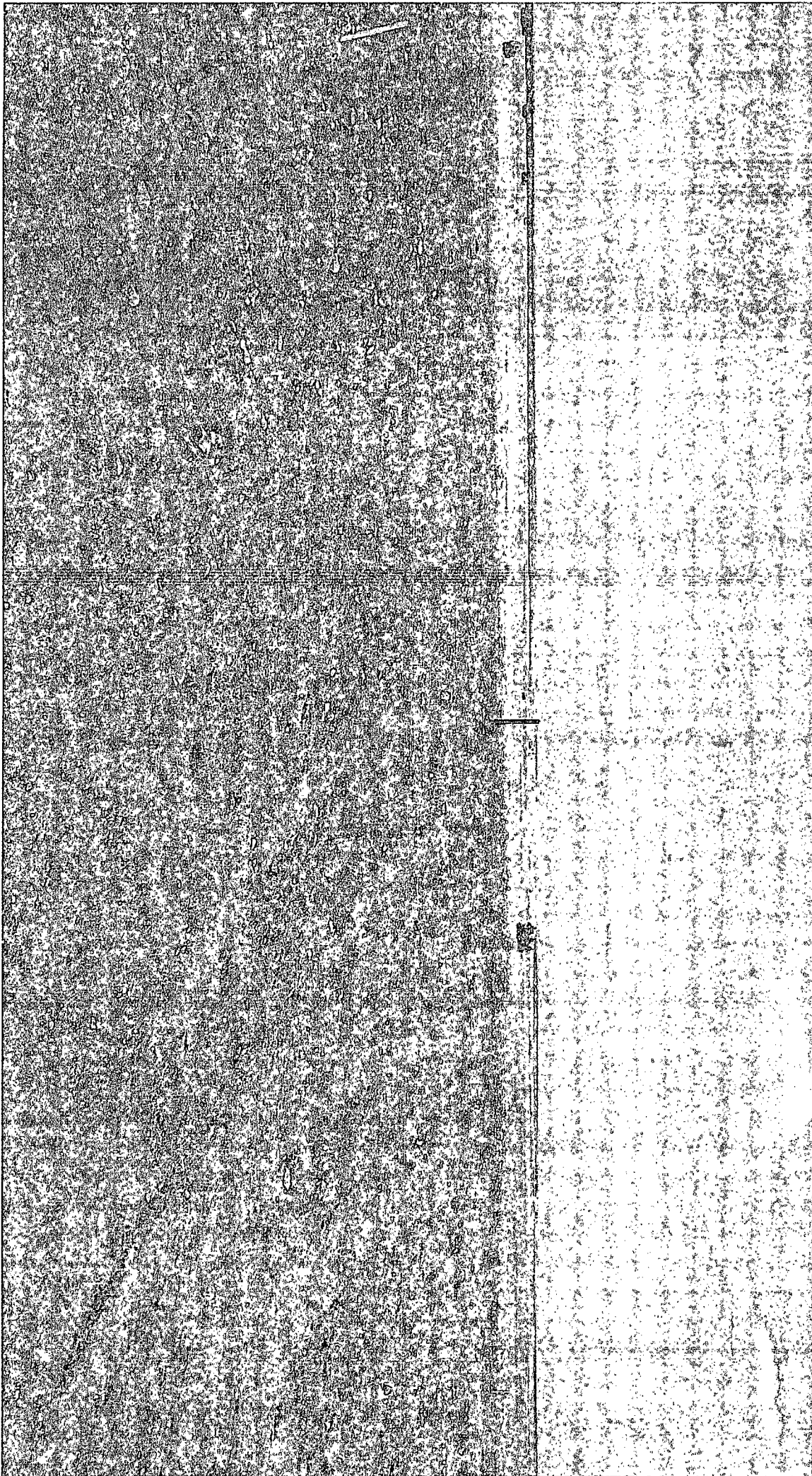
# Whiting Oil & Gas Inc.

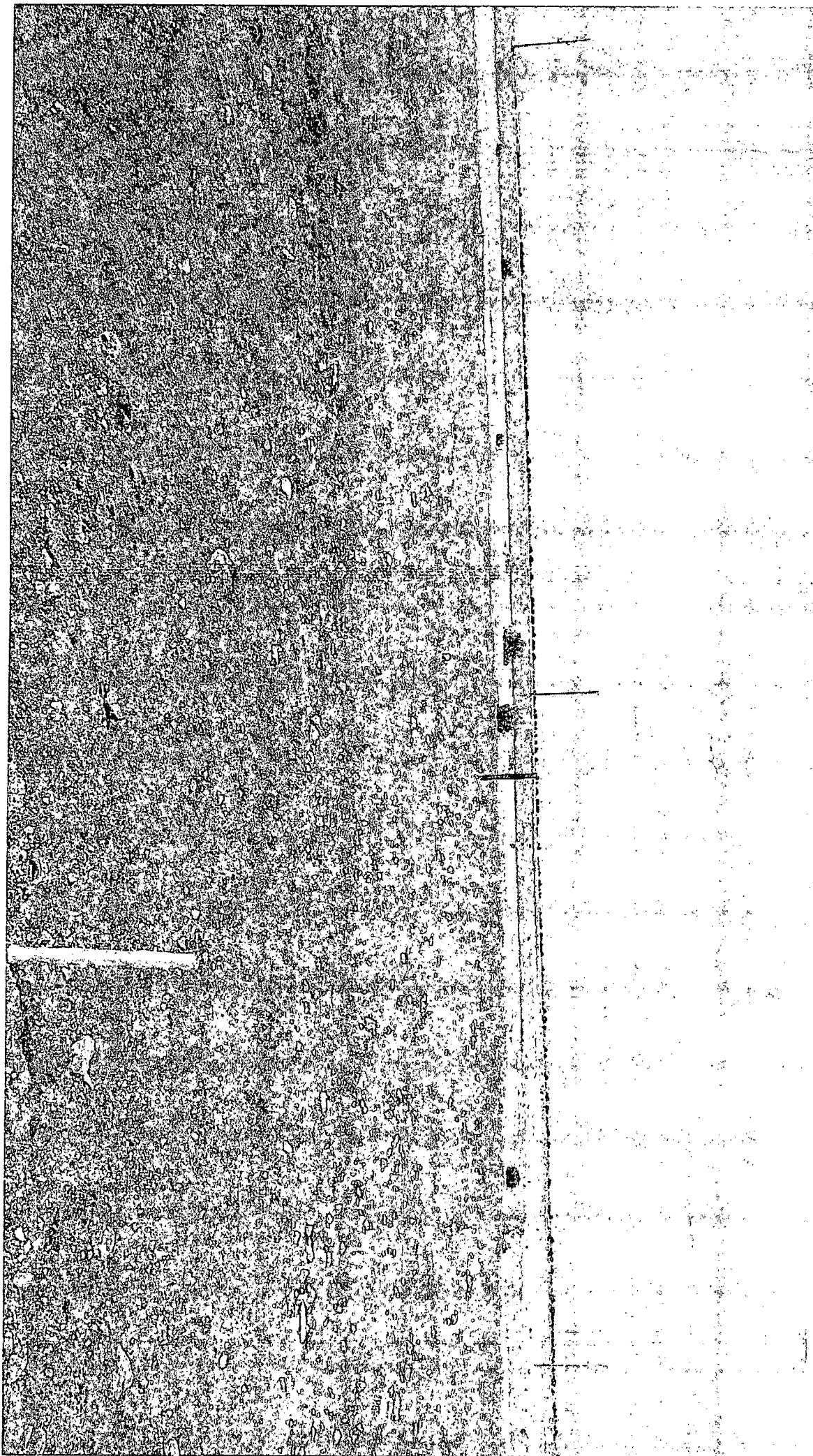
LEWIS 1928 #2-1

UNIT J, SEC. 20, T19NR28E

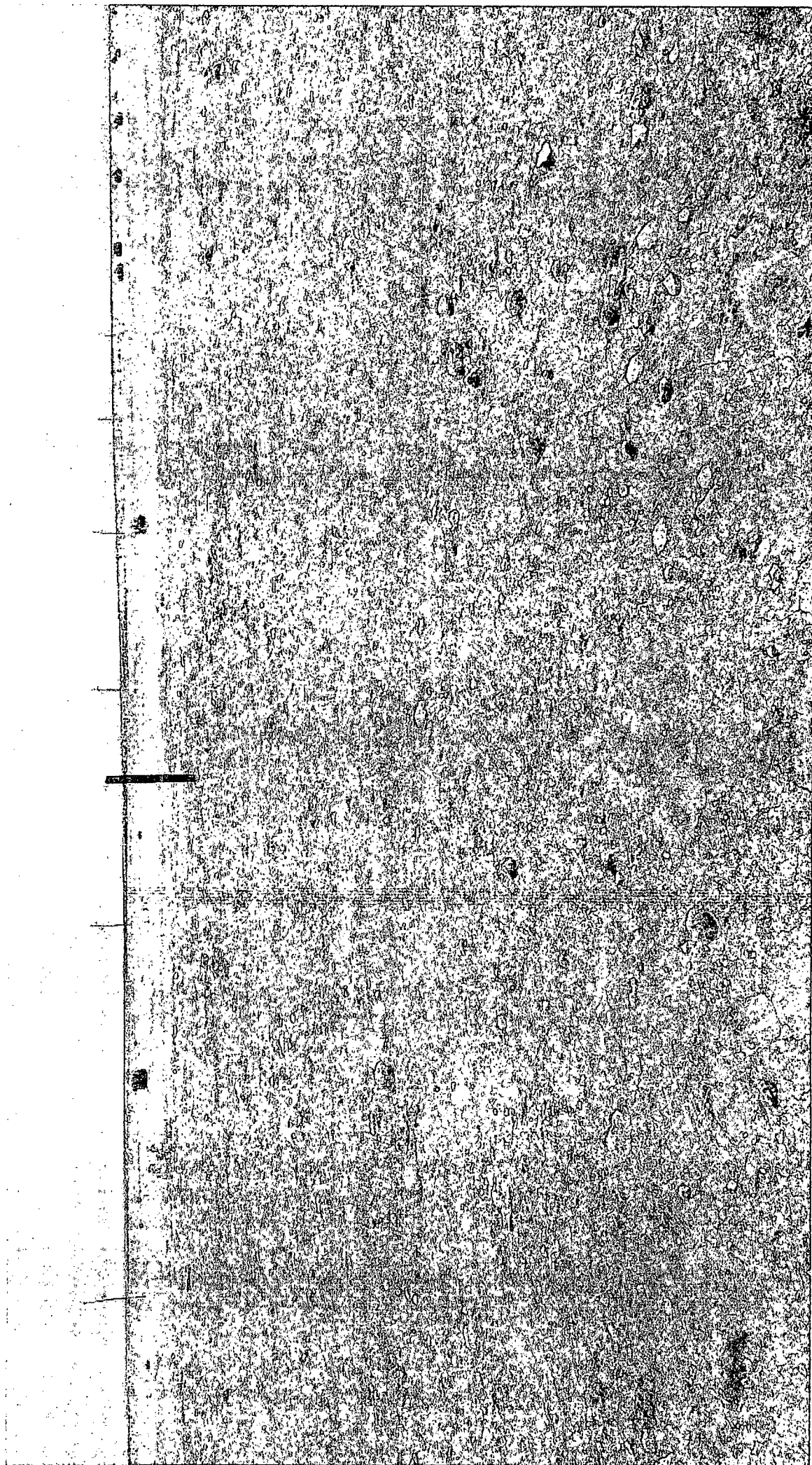
2110' FSL & 1650' FEL

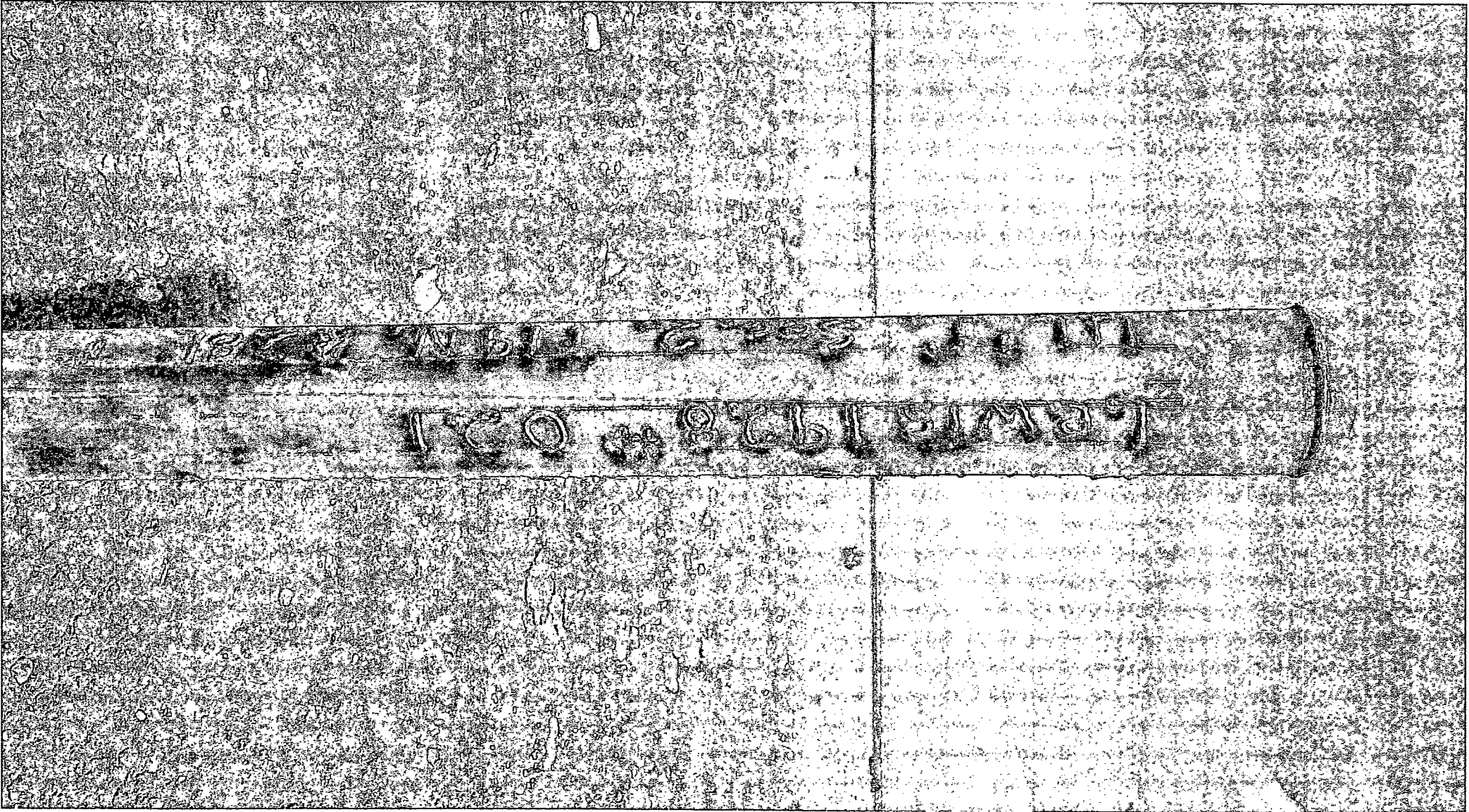
API #30-021-20587, HARDING COUNTY, NM













May 1, 2014

Linda Lewis  
141 Lewis Road  
Mosquero, New Mexico 87733

RE: Notification to Surface Owner of On-Site Drilling Pit Closure  
Well: Lewis 1928 Well # 2-1  
Harding County, NM

Whiting Oil & Gas proposes to close and remediate the surface land according to all rules and regulations noted in Subsection E of 19.15.17.13 NMAC beginning May 5, 2014.

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

Sincerely,

Kay Maddox  
Regulatory Supervisor

Mailed by certified mail to above listed party on this the 1<sup>st</sup> day of May, 2014

Signed: Kay Maddox- Regulatory Supervisor

7011 3500 0002 4491 1588

Certified Mail Number

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

400 W. Illinois Avenue, Suite 1300, Midland, TX 79701 Office: 432.686.6700 Fax 432.686.6799

**Analytical Results For:**

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

Received: 04/23/2014  
Reported: 04/30/2014  
Project Name: WEST BRAVO DOME CO2  
Project Number: 13-1224-03  
Project Location: HARDING COUNTY, NM

Sampling Date: 04/22/2014  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: LEWIS 1928 #2-1 (H401230-08)**

30-021-20587

BTEX 8260B		mg/kg		Analyzed By: ck					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/30/2014	ND	2.35	118	2.00	6.15	
Toluene*	<0.050	0.050	04/30/2014	ND	2.13	106	2.00	8.09	
Ethylbenzene*	<0.050	0.050	04/30/2014	ND	2.03	102	2.00	7.15	
Total Xylenes*	<0.150	0.150	04/30/2014	ND	6.25	104	6.00	8.15	
Total BTEX	<0.300	0.300	04/30/2014	ND					

Surrogate: Dibromofluoromethane 103 % 61.3-142

Surrogate: Toluene-d8 97.4 % 71.3-129

Surrogate: 4-Bromofluorobenzene 102 % 65.7-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	848	16.0	04/25/2014	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	04/25/2014	ND	186	92.9	200	11.1	
DRO >C10-C28	<10.0	10.0	04/25/2014	ND	207	103	200	12.5	

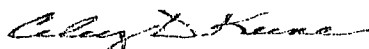
Surrogate: 1-Chlorooctane 97.4 % 65.2-140

Surrogate: 1-Chlorooctadecane 94.8 % 63.6-154

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Celey D. Keene, Lab Director/Quality Manager



STATE OF NEW MEXICO

COUNTY OF HARDING

HARDING COUNTY, NM  
RECEPTION# 20636  
06/10/2014 03:42:55 PM  
BK 19 PAGE 10078  
1 of 1  
BY CELESTE YBARRA

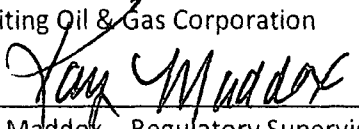
**NOTICE OF PIT CLOSURE**

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 1928  
Well No: 2-1  
API No: 30-021-20587  
TWN & RGE: TWN 19N RGE 28E Section 2  
Unit Letter: J  
Footages: 1650 FSL & 1980 FWL  
Closure Date: 5/07/2014

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

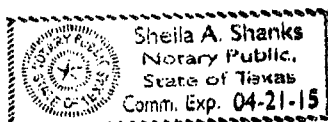
Whiting Petroleum Corporation  
And its wholly owned subsidiary  
Whiting Oil & Gas Corporation


  
\_\_\_\_\_  
Kay Maddox – Regulatory Supervisor

STATE OF TEXAS  
COUNTY OF MIDLAND

This instrument was acknowledged before me this 5<sup>th</sup> day of June, 2014, by

Kay Maddox on behalf of Whiting Oil & Gas Corporation.



  
\_\_\_\_\_  
Notary Public



July 17, 2014

Mr. Cory Smith  
New Mexico Oil Conservation Division  
1000 Rio Brazos Rd  
Aztec, NM 87410

RE: Pit Closures

Dear Mr. Smith,

Whiting Oil & Gas shall re-seed the disturbed Pit area for the well listed below. The re-seeding shall occur in the upcoming rainy season documented for Harding County, New Mexico approximately August/September 2014. As evidenced by the pictures submitted some natural native vegetative growth has already occurred.

Sincerely,

Kay Maddox  
Regulatory Supervisor

LEWIS 1928 Well #2-1  
30-021-20587  
Harding County, New Mexico

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

400 W. Illinois Avenue, Suite 1300, Midland, TX 79701 Office: 432.686.6700 Fax 432.686.6799