

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

SUNDRY NOTICES AND REPORTS ON WELLS (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. 30-021-20669
1. Type of Well: Oil Well ☐ Gas Well ☒ Other ☐		5. Indicate Type of Lease STATE ☐ FEE ☒
2. Name of Operator WHITING OIL AND GAS CORPORATION		6. State Oil & Gas Lease No. 313938
3. Address of Operator 400 W ILLINOIS STE 1300 MIDLAND, TX 79701		7. Lease Name or Unit Agreement Name LEIWS 2028 26
4. Well Location Unit Letter L 2590 feet from the SOUTH line and 1077 feet from the WEST line Section 26 Township 20N Range 28E NMPM County HARDING		8. Well Number 01
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 5406' GR		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 ☐	PLUG AND ABANDON ☒	REMEDIAL WORK ☐	ALTERING CASING ☐
TEMPORARILY ABANDON ☐	CHANGE PLANS ☐	COMMENCE DRILLING OPNS. ☐	P AND A ☐
PULL OR ALTER CASING ☐	MULTIPLE COMPL ☐	CASING/CEMENT JOB ☐	
DOWNHOLE COMMINGLE ☐			
CLOSED-LOOP SYSTEM ☐			
OTHER: ☐			

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.

SEE ATTACHED P&A PROCEDURE AND SCHEMATIC

Spud Date:

Rig Release Date:

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

SIGNATURE

Kay Maddox

TITLE: REGULATORY ANALYST DATE: 12/08/2015

Type or print name Kay Maddox E-mail address: kay.Maddox@Whiting.com PHONE: 432-638-8475

For State Use Only

APPROVED BY:

[Signature]

TITLE

Dist IV

DATE

12/28/15

Conditions of Approval (if any):



* EXP *

30-021-20669

Lewis 2028 #261 P&A

RECOMMENDED REMEDIAL WORK

Date December 7, 2015

Lease Lewis 2028-26 Well No #1 WOG GW1 100.00 % (87.5 % NWI)
 Pool Bravo Dome, West County Harding State NM API # 30 - 021 - 20669
 Legal Location: 2590 FSL, 1077 FEL, Sec 26, T - 20 - N, R - 28 - E Unit L (NSL)
 Completion Date 02-19-15 @ T. D. 2831' I. P. / AOF: 931 mcfpd & 0 BW test
 Water Hrs 24 flowing, Present T. D. 2781' Elevation 5406' GL KB = 5412'

DESCRIPTION OF PROSPECTIVE OR PAY ZONES

Name or Type of Zone	Top	Bottom	Remarks
<u>Santa Rosa</u>	<u>1297'</u>	<u>1699'</u>	<u>Regional CO2 Production Interval</u>
<u>San Andres / Glorieta</u>	<u>1822'</u>	<u>2155'</u>	<u>Lost Circulation Interval</u>
<u>Tubb sand</u>	<u>2585'</u>	<u>2652'</u>	<u>Proposed CO2 Production Interval</u>

CASING AND LINER RECORD

Size	Weight	Grade	Set At	SX CMT	Hole Size	Perf.	Remarks
<u>9-5/8"</u>	<u>36#</u>	<u>J-55</u>	<u>770'</u>	<u>500</u>	<u>12-1/4"</u>		<u>Cement circulated</u>
<u>5-1/2"</u>	<u>15.5#</u>	<u>J-55</u>	<u>2831'</u>	<u>900</u>	<u>8-3/4"</u>	<u>2601' - 2751'</u>	<u>Cement circulated</u>

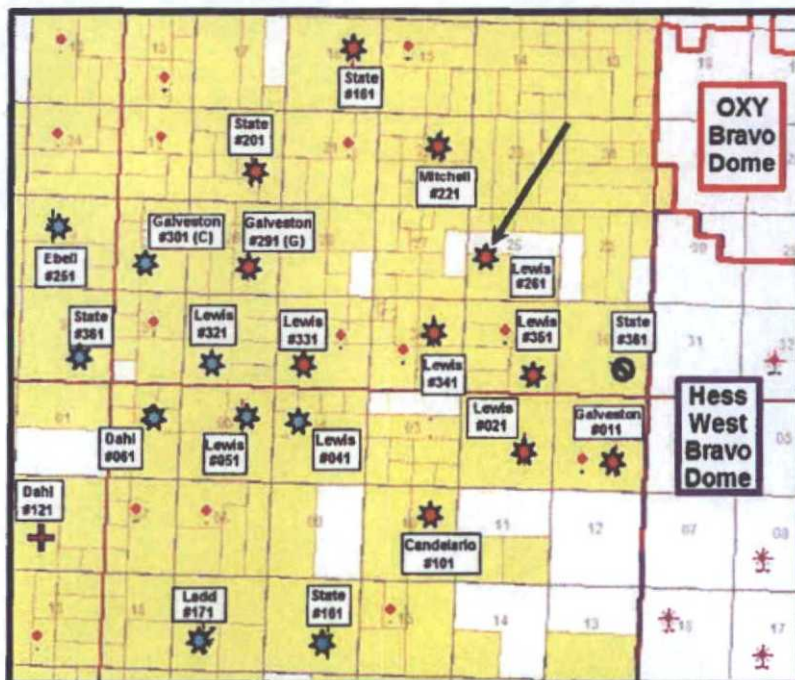
COMPLETION AND REMEDIAL WORK RECORD

Production Test Before					Treatment		Production Test After			
Date	Gas	@ psi	water Hrs	Type	Amount	From To	Gas	@ psi	water Hrs	
<u>12-04-14</u>	<u>Initial Tubb completion</u>			<u>(21')</u>	<u>none</u>	<u>2601' 2751'</u>	<u>0 mcf,</u>	<u>0 psi</u>	<u>24F</u>	
<u>12-22-14</u>	<u>Tubb acid, break perfs</u>			<u>15% HCl</u>	<u>750 gals</u>	<u>2601' 2751'</u>	<u>0 mcf,</u>	<u>670 psi</u>	<u>24F</u>	
<u>02-19-15</u>	<u>Tubb frac, 35 tons CO2</u>			<u>650 CO2</u>	<u>41K# / 9Kg</u>	<u>2601' 2751'</u>	<u>~1302 mcfpd,</u>	<u>0 BW</u>	<u>4F</u>	
<u>03-24-15</u>	<u>Tubb completion</u>			<u>24-hr</u>	<u>flow-test</u>	<u>2601' 2751'</u>	<u>931 mcfpd,</u>	<u>0 BW</u>	<u>24F</u>	

CUM. Prod. MMCF, MBWas of: Last Test: MCFPD BWPDDate:

Reasons for Plug and Abandonment:

This is a wildcat well offset to Hess's West Bravo Dome CO2 Unit and OXY's Bravo Dome CO2 Unit. The WeXA pay sands are usually insufficiently developed and often structurally too low to be economical. The Tubb sand in this well had good reservoir pressure but poor quality sands. The estimated stabilized flow rate was too low to justify running a flowline and hooking it up to sales.

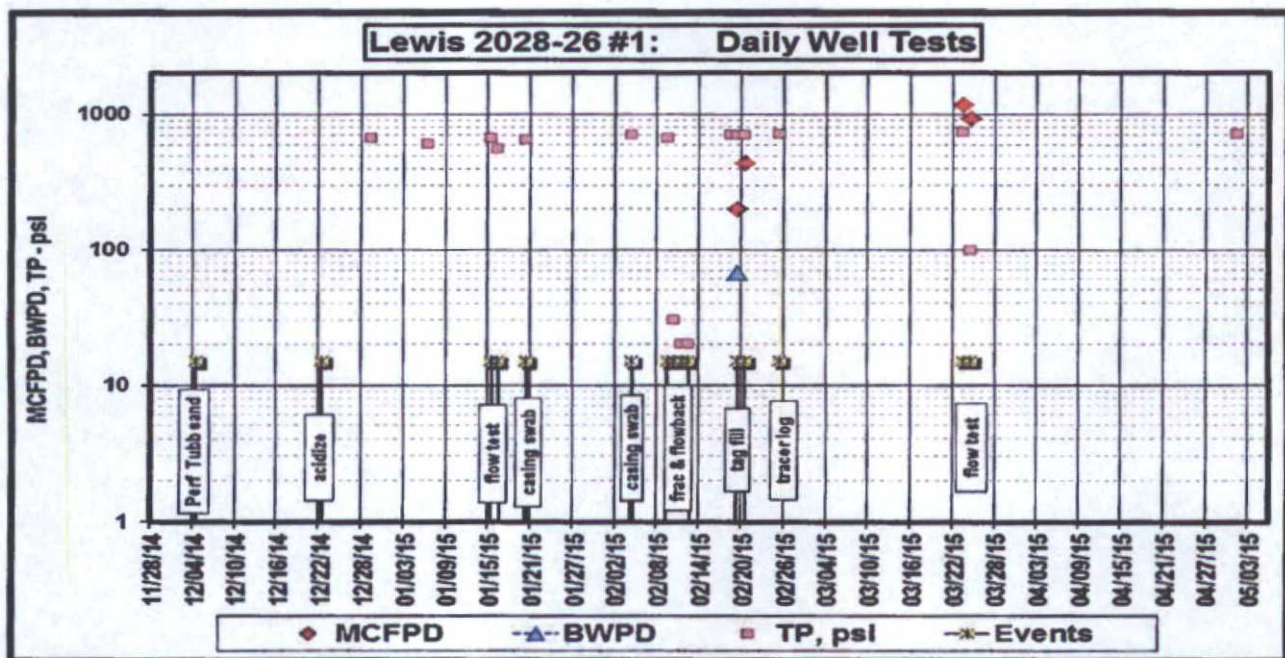
Robert McNaughton 

Objective: Plug and Abandon

Basic Procedure:

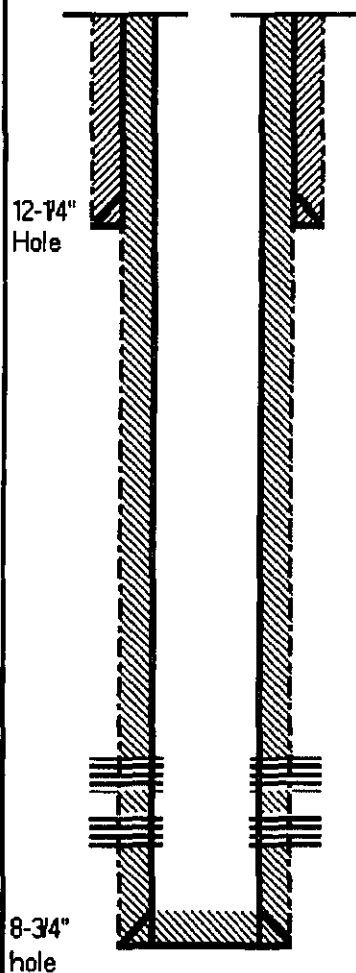
Renegade ran a CBL on 12-04-14: TOC at the surface (Good bond).). A pressure survey was run on January 7th, 2015: surface was 610 psi, BHP was 877 psi and no FL was detected. Last well work was in February 2015 (bail sand and casing swab) and rig anchor tests should be current.

- Bleed off any pressure and pump brine to kill the well.
- Set a 5-1/2" CIBP @ 2550' and cap with 35'+ cement by bailer.
- Dig out the 9-5/8" casing and check the annulus for any pressure.
- Load hole w/ 10 PPG salt gel mud.
- Pump a 35 sx plug across the 9-5/8" casing shoe from 620' to 820'. Pump a 25 sx FW plug from 300' to 500'. If the NMOCD requires tags, it may be faster and cheaper to just fill the casing to surface with cement.
- Pump 10 sx and fill casing and annulus from 50' to the surface.
- Fill in the annulus around the 9-5/8" at the surface with cement as needed.
- Remove the wellhead and weld on cap with standard dry - hole marker.
- Cut off rig anchors and smooth location. Remove fences and caliche as needed





Whiting Petroleum Corporation

CO2 Supply Well**FIELD:** Bravo Dome, 640 Tubb**DATE:** Nov. 25, 2014**LEASE:** Lewis 2028**BY:** RTM**COUNTY:** Harding**WELL:** #261**STATE:** New Mexico**Location:** 2590' FSL & 1077' FWL Sec. 26 - T 20 N - R 28 E (NSL)**KB =** 5,412'**Spud:** 11/12/2014 **Completed:** 02/19/2015**GL =** 5,406'**Current Status:** SI CO2 producer**API =** 30-021-20669**Formation:** Tubb (CO2)**9-5/8", 36#, J-55 at 770'**
cemented w/ 500 sx, circulated 80 Bbls (185 sx)**Tubb Perfs: 2601' - 2607' (6') @ 6 SPF** (12-04-14)**Tubb Perfs: 2636' - 2651' (15') @ 6 SPF** (12-04-14)**Frac w/ 41,200# 16/30 Sinterlite, 9,372 gals & 35 tons CO2** (02-09-15)**5-1/2", 15.5#, J-55 at 2831'**
cmt'd. w/ 900 sx, circulated 34 Bbls - 70 sx (TOC @ surface by CBL)**PBTD @ 2781'****TD @ 2831'**



Whiting Petroleum Corporation

Proposed P&A

FIELD: Bravo Dome, 640 Tubb

LEASE: Lewis 2028-26

COUNTY: Harding

DATE: Nov. 30, 2015

BY: RTM

WELL: #1

STATE: New Mexico

Location: 2590' FSL & 1077' FWL Sec. 26 - T 20 N - R 28 E (NSL)

SPUD: 11/12/2014 Completed: 02/19/2015

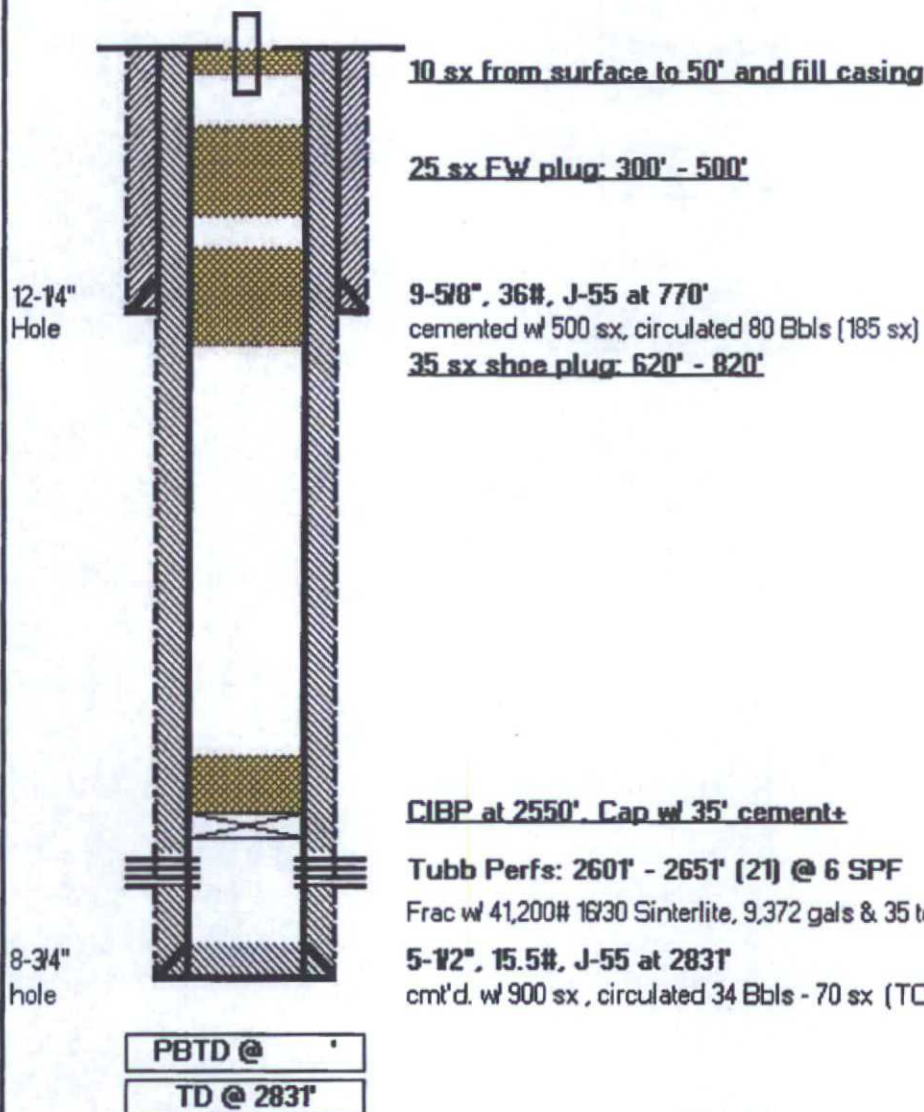
CURRENT STATUS: SI - uneconomical

Formation: Tubb (CO2)

KB = 5,412'

GL = 5,406'

API = 30-021-20669



District I
1625 N. French Dr. Hobbs NM 88240
Phone (575) 393-6181 Fax: 575 393-0720

District II
811 S. First St., Artesia NM 88213
Phone (575) 748-1283 Fax: 575 748-9720

District III
1000 Rio Bravo Rd. Aztec NM 87412
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 193180

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 OGRD Number 25078
4 Property Code 313938		3 API Number 30-021-20669
5 Property Name LEWIS 2028 2U		6 Well No. 1

7. Surface Location																	
UL - Lot	L	Section	26	Township	20N	Range	28E	Feet From	2590	N/S Line	S	Feet From	1077	E/W Line	W	County	Harding

8. Proposed Bottom Hole Location																	
UL - Lot	L	Section	26	Township	20N	Range	28E	Feet From	2590	N/S Line	S	Feet From	1077	E/W Line	W	County	Harding

9. Pool Information										
BRAVO DOME CARBON DIOXIDE GAS 840										98010

Additional Well Information				
11. Work Type New Well	12. Well Type CO2	13. Casing/Retary	14. Lease Type Private	15. Ground Level Elevation 5406
16. Multiple N	17. Proposed Depth 3800	18. Formation Tubb	19. Cementer	20. Soud Date 10/13/2014
Depth to Groundwater		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 #	Casing Depth	Bags of Cement	Estimated YDC
Sturt	12.25	9.825	35	750	500	0
Prod	8.75	5.5	15.5	3800	450	0

Casing/Cement Program: Additional Comments

22. Proposed Blowout Prevention Program			
Type	Working Pressure	Test Pressure	Manufacturer
Annular	3000	3000	REGAN TAURUS

22. 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 R and/or 19.15.14.9 (B) NMAC X, if applicable.		OIL CONSERVATION DIVISION	
Signature		Approved By	
Printed Name Electronically filed by Kay Maddox		Charlie Perrin	
Title Regulatory Agent		Title District Supervisor	
Email Address kay.maddox@whiting.com		Approval Date: 10/7/2014	Expiration Date: 10/7/2016
Date 9/29/2014	Phone 432-688-6700	Conditions of Approval Attached	