

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. 30-021-20656
1. Type of Well: Oil Well <input type="checkbox"/> Gas Well <input checked="" type="checkbox"/> Other <input type="checkbox"/>		5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
2. Name of Operator WHITING OIL AND GAS CORPORATION		6. State Oil & Gas Lease No. 313609
3. Address of Operator 400 W ILLINOIS STE 1300 MIDLAND, TX 79701		7. Lease Name or Unit Agreement Name STATE 2027 36
4. Well Location Unit Letter J 1660 feet from the SOUTH line and 1990 feet from the EAST line Section 36 Township 20N Range 27E NMPM County HARDING		8. Well Number 01
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 5523' GR		9. OGRID Number 25078
		10. Pool name or Wildcat BRAVO DOME CARBON DIOXIDE 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 checked="" 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"/>			

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 *

30-021-20656

State 2027 #361 P&A

RECOMMENDED REMEDIAL WORK

Date December 8, 2015

Lease State 2027 Well No #361 WOG GW 100.00 % (87.5 % NWI)
 Pool Bravo Dome, West County Harding State NM API # 30 - 021 - 20656
 Legal Location: 1660' FSL, 1990' FEL, Sec 36, T - 20 - N, R - 27 - E
 Completion Date 12-09-2014 @ T. D. 2,908' I. P. / AOF: Swab 630 Bbls water, no gas
 Water Hrs 30 swabbing, Present T. D. 2840' Elevation 5523' GL KB = 5535'

DESCRIPTION OF PROSPECTIVE OR PAY ZONES

Name or Type of Zone	Top	Bottom	Remarks
<u>Santa Rosa</u>	<u>1475'</u>	<u>1791'</u>	<u>Regional CO2 Production Interval</u>
<u>San Andres / Glorieta</u>	<u>1897'</u>	<u>2293'</u>	<u>Lost Circulation Interval</u>
<u>Tubb sand</u>	<u>2703'</u>	<u>2746'</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>772'</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>2908'</u>	<u>750</u>	<u>8-3/4"</u>	<u>2730' - 2748'</u>	<u>Cement circulated</u>

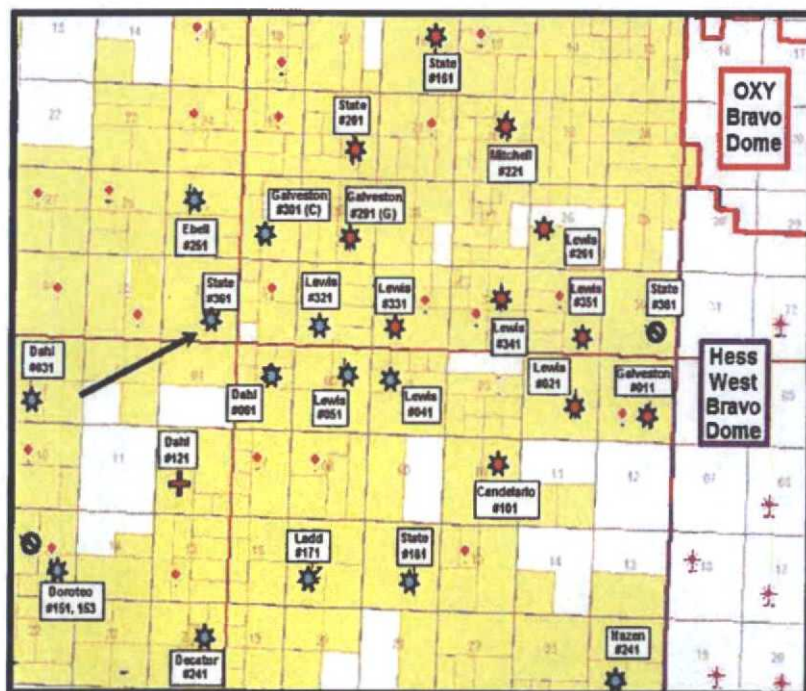
COMPLETION AND REMEDIAL WORK RECORD

Production Test Before				Treatment				Production Test After			
Date	Gas	@ psi	water Hrs	Type	Amount	From	To	Gas	@ psi	water Hrs	
<u>10-08-14</u>	<u>Tubb completion</u>			<u>(18')</u>	<u>none</u>	<u>2730'</u>	<u>2748'</u>	<u>0 mcf @ 11 psi</u>	<u>24F</u>		
<u>10-21-14</u>	<u>Tubb completion</u>			<u>37 tons</u>	<u>32K#/14Kg</u>	<u>2730'</u>	<u>2748'</u>	<u>0 mcf @ 175 psi</u>	<u>24F</u>		
<u>12-09-14</u>	<u>Tubb completion</u>				<u>swab test</u>	<u>2730'</u>	<u>2748'</u>	<u>0 mcf, 630 BW</u>	<u>30S</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 was thin, poor quality and was wet.

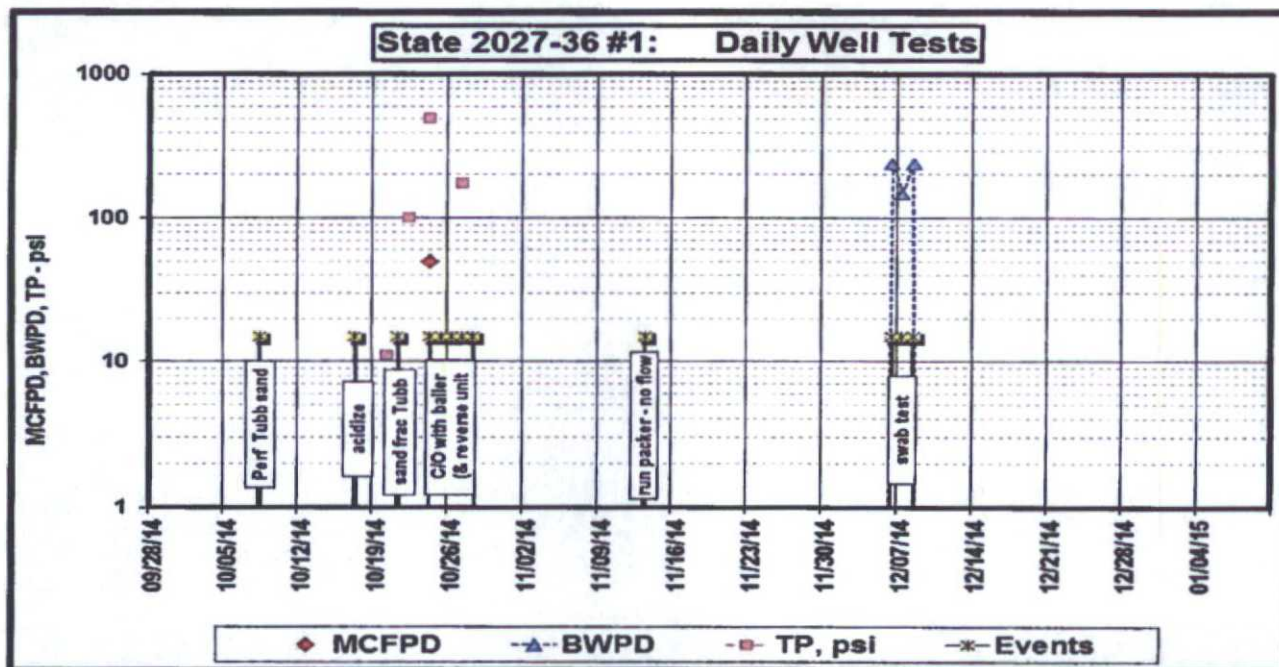
Robert McNaughton 

Objective: Plug and Abandon

Basic Procedure:

Renegade ran a CBL on 10-03-14: TOC @ surface by CBL. A pressure survey was run on October 20th, 2014: surface was 11 psi and BHP was 743 psi. FL was tagged at about 1100'. During the sand cleanout after the frac, the bailer swabbed the well in. The well kicked and casing pressure built up to 500 psi. After blowing off the gas, the well remained static. Last well work was in December 2014 (swabbing). Rig anchor tests should be current.

- Bleed off any pressure and pump brine to kill the well. Unseat the packer and pooh. LD all EQPT and send to the Wickett yard.
- Set a 5-1/2" CIBP @ 2680' and cap with 35'+ cement by bailer.
- Load hole w/ 10 PPG salt gel mud.
- Dig out the 9-5/8" casing and check the annulus for any pressure.
- Pump a 35 sx plug across the 9-5/8" casing shoe from 622' to 822'. 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 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:** Oct. 03, 2014**LEASE:** State 2027-36**BY:** RTM**COUNTY:** Harding**WELL:** #1**STATE:** New Mexico

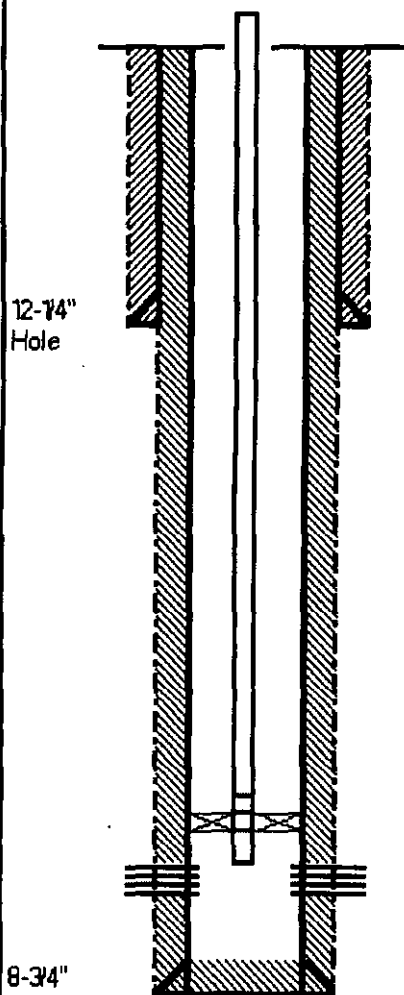
Location: 1660' FSL & 1990' FEL Sec. 36 - T 20 N - R 27 E

KB = 5,535'

Spud: 09/15/2014 Completed: 12/09/2014

GL = 5,525'

Current Status: SI - non-commercial

API = 30-021-20656**Formation:** Tubb (CO2)12-1/4"
Hole**9-5/8", 36#, J-55 at 772'**
cemented w/ 500 sx, circulated 69 Bbls (161 sx)

Packer at 2702'. 85 joints 2-3/8" tubing (11-13-14)

Tubb Perfs: 2730' - 2748' (18') @ 6 SPF (10-08-14)

Frac w/ 31,960# 16/30 Sinterlite, 14,196 gals & 37 tons CO2 (10-22-14)

8-3/4"
hole**5-1/2", 15.5#, J-55 at 2908'**
cm't'd. w/ 750 sx, circulated 80 Bbls (212 sx). (TOC @ surface by CBL)**PBTD @ 2840'****TD @ 2908'**



Whiting Petroleum Corporation

Proposed P&A

FIELD: Bravo Dome, 640 Tubb

LEASE: **State 2027-36**

COUNTY: Harding

DATE: Oct. 03, 2014

BY: RTM

WELL: **#1**

STATE: New Mexico

Location: 1660' FSL & 1990' FEL Sec. 36 - T 20 N - R 27 E

Spud: 09/15/2014 Completed: 12/09/2014

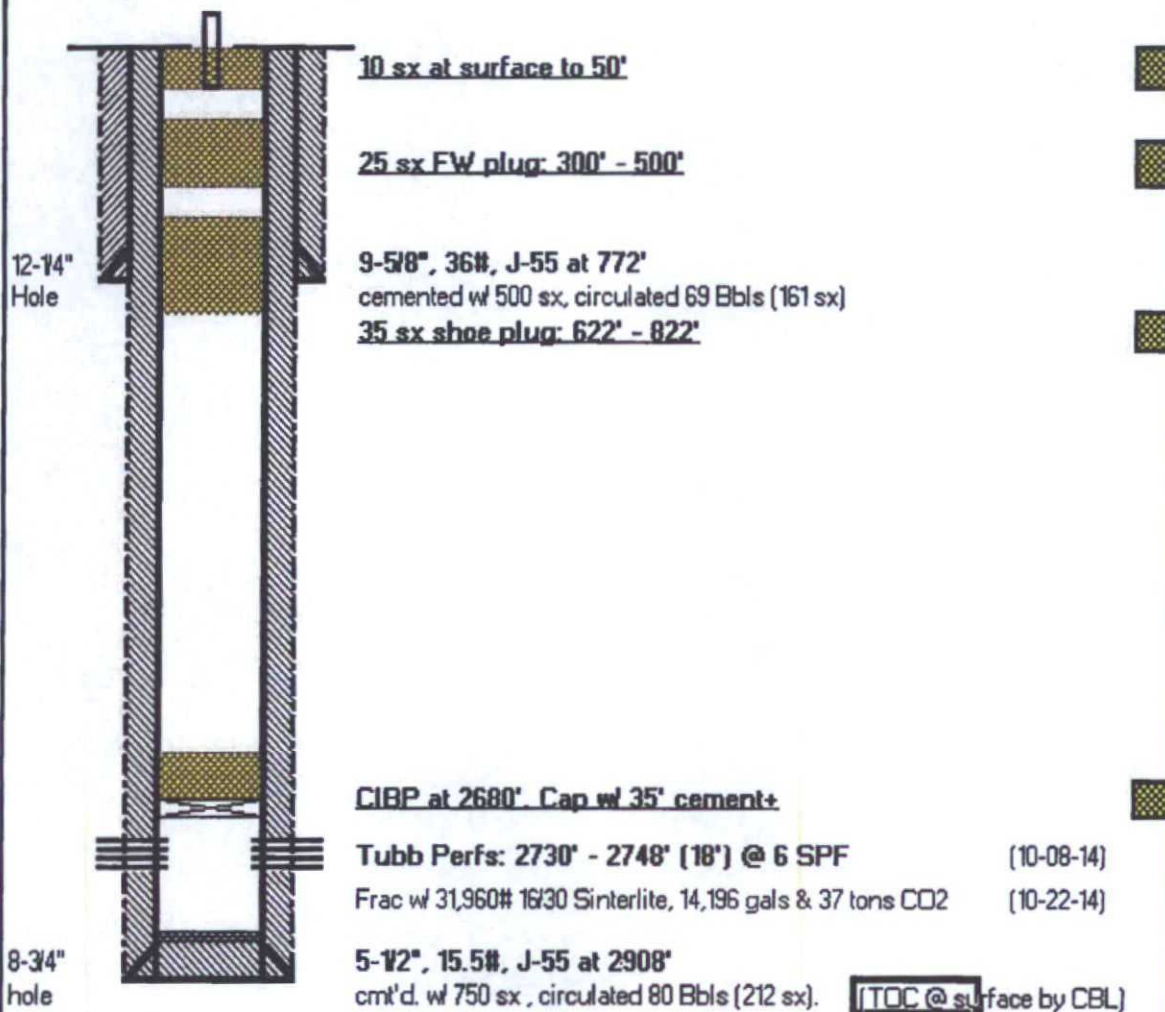
Current Status: SI - uneconomical

Formation: **Tubb (CO2)**

KB = 5,535'

GL = 5,525'

API = 30-021-20656



PBTD @

TD @ 2908'

District I1825 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) 748-8720**District III**1000 Rio Brazos Rd., Aztec, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-8170**District IV**1220 S. St Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3470 Fax (505) 476-3482

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 180365

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
		3. API Number 30-021-20858
4. Property Code 313609	5. Property Name STATE 2027 34	6. Well No. 1

7. Surface Location

UL - Lot J	Section 38	Township 20N	Range 27E	Lot Idn	Feet From 1880	N/S Line S	Feet From 1990	E/W Line E	County Harding
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8. Proposed Bottom Hole Location

UL - Lot J	Section 38	Township 20N	Range 27E	Lot Idn J	Feet From 1880	N/S Line S	Feet From 1990	E/W Line E	County Harding
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9. Pool Information

BRAVO DOME CARBON DIOXIDE GAS 640	98010
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Additional Well Information

11. Work Type New Well	12. Well Type CO2	13. Cable/Rotary	14. Lease Type State	15. Ground Level Elevation 5523
16. Multiple N	17. Proposed Depth 3800	18. Formation Tubb	19. Contractor	20. Spud Date 8/31/2014
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/lb	Setting Depth	Sacks of Cement	Estimated TOC
Surf	12.25	9.625	38	750	500	0
Prod	8.75	5.5	15.5	3800	450	0

Casing/Cement Program: Additional Comments

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22. Proposed Blowout Prevention Program

Type	Working Pressure	Test Pressure	Manufacturer
Annular	3000	3000	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 ☒ and/or 19.15.14.9 (B) NMAC ☒, if applicable.

OIL CONSERVATION DIVISION

Signature:

Printed Name	Electronically filed by Kay Maddox	Approved By	Charlie Pemin
Title	Regulatory Agent	Title	District Supervisor
Email Address:	kay.maddox@whiting.com	Approved Date	8/22/2014
Date:	8/8/2014	Phone	432-686-6709
		Conditions of Approval Attached	Expiration Date 8/22/2016