

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

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

Form C-103
Revised July 18, 2013

WELL API NO. 30-021-20629	
5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE	
6. State Oil & Gas Lease No. 313330	
7. Lease Name or Unit Agreement Name STATE 1928 16	
8. Well Number 01	
9. OGRID Number 25078	
10. Pool name or Wildcat BRAVO DOME CARBON DIOXIDE 640	
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.)	
1. Type of Well: Oil Well <input type="checkbox"/> Gas Well <input checked="" type="checkbox"/> Other	
2. Name of Operator WHITING OIL AND GAS CORPORATION	
3. Address of Operator 400 W ILLINOIS STE 1300 MIDLAND, TX 79701	
4. Well Location Unit Letter J 1659 feet from the SOUTH line and 1659 feet from the EAST line Section 16 Township 19N Range 28E NMPM County HARDING	
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 5540' GR	

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:

Will Jones

TITLE

DIST IV

DATE

12/28/15

Conditions of Approval (if any)



* EXP *

30-021-20629

State 1928 #161 - P&A

RECOMMENDED REMEDIAL WORK

Date December 8, 2015

Lease State 1928 Well No #161 WOG GW 100.00 % (87.5 % NWI)
 Pool Bravo Dome, West County Harding State NM API # 30 - 021 - 20629
 Legal Location: 1659' FSL, 1774' FEL, Sec 16, T - 19 - N, R - 28 - E
 Completion Date 11-06-14 @ T. D. 2,980' I. P. / AOF: trace of gas and 85 Bbls water
 Water Hrs 24 flowing, Present T. D. 2908' Elevation 5446' GL KB = 5450'

DESCRIPTION OF PROSPECTIVE OR PAY ZONES

Name or Type of Zone	Top	Bottom	Remarks
<u>Santa Rosa</u>	<u>1346'</u>	<u>1809'</u>	<u>Regional CO2 Production Interval</u>
<u>San Andres / Glorieta</u>	<u>1917'</u>	<u>2322'</u>	<u>Lost Circulation Interval</u>
<u>Tubb sand</u>	<u>2750'</u>	<u>2835'</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>724'</u>	<u>450</u>	<u>12-1/4"</u>		<u>Cement circulated</u>
<u>5-1/2"</u>	<u>15.5#</u>	<u>J-55</u>	<u>2957'</u>	<u>690</u>	<u>8-3/4"</u>	<u>2778' - 2788'</u>	<u>TOC @ 120' by CBL</u>

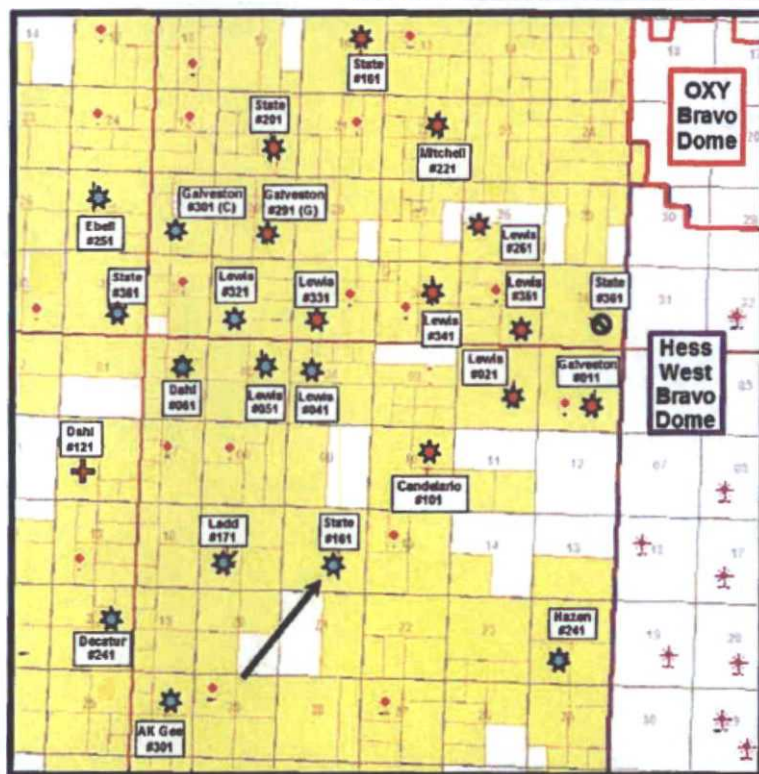
COMPLETION AND REMEDIAL WORK RECORD

Production Test Before					Treatment			Production Test After			
Date	Gas	@ psi	water	Hrs	Type	Amount	From To	Gas	@ psi	water	Hrs
<u>08-06-14</u>	<u>init.</u>				<u>Tubb completion</u>	<u>(10')</u>	<u>none</u>	<u>2778'</u>	<u>2788'</u>	<u>0</u>	<u>0</u>
<u>10-20-14</u>	<u>Tubb Frac</u>				<u>37 tons</u>	<u>15K#/17Kg</u>	<u>2778'</u>	<u>2788'</u>	<u>0</u>	<u>0</u>	<u>0</u>
<u>11-06-14</u>	<u>swab test</u>						<u>2778'</u>	<u>2788'</u>	<u>0</u>	<u>0</u>	<u>85</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 insufficiently developed and often structurally too low to be economical. The Tubb sand in this well had poor quality and good reservoir pressure, but was wet and tight.

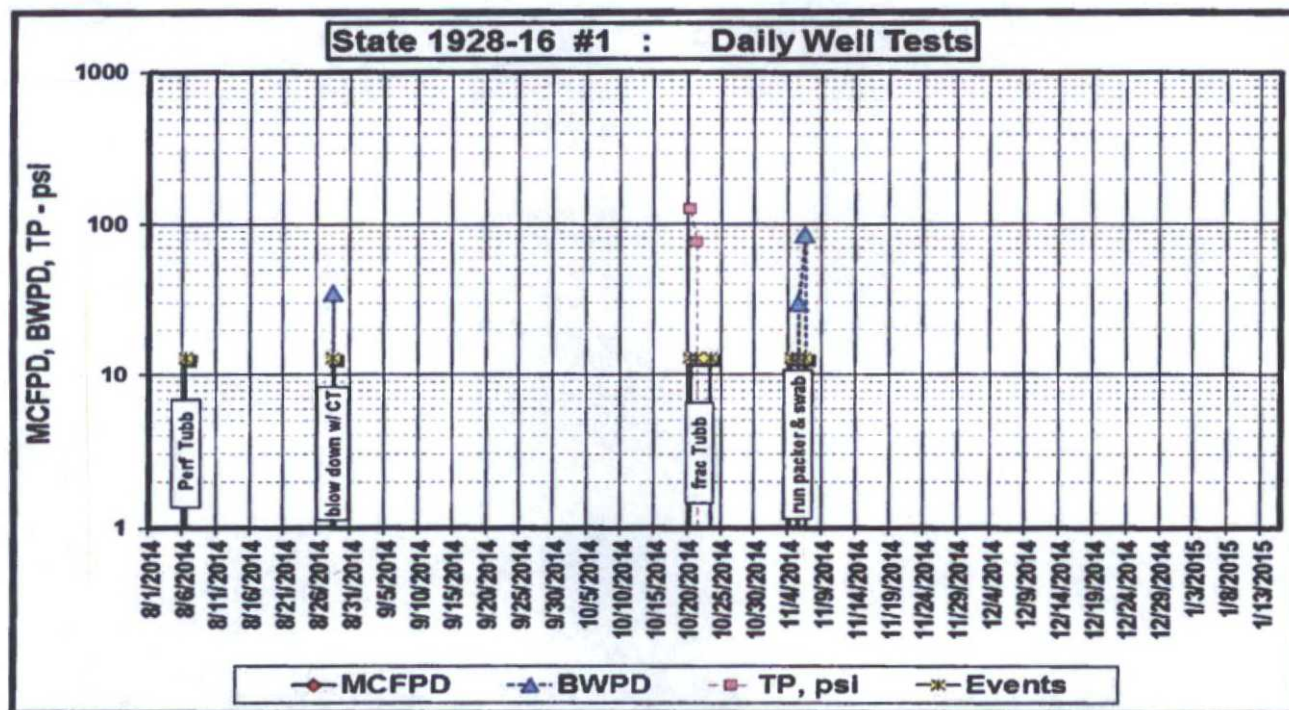
Robert McNaughton 

Objective: Plug and Abandon

Basic Procedure:

Renegade ran a CBL on 6-25-14: TOC was at 120' (good bond). Cement was circulated but it fell back some. A pressure survey was run on August 20th, 2014: surface was 0 psi and BHP was 700 psi. No FL was detected. Last well work was in November 2014 (swabbing). Rig anchor tests should be current.

- Bleed off any pressure and release the packer. POOH with packer and tubing, LD all EQPT and send to Wickett yard.
- Set a 5-1/2" CIBP @ 2725' 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 574' to 774'. 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.
- Shoot SQZ perms at 100' if directed. Pump 35 sx and fill casing and annulus from 100' to the surface.
- Fill in the annulus around the surface casing 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
LEASE: State 1928
COUNTY: Harding

DATE: Nov. 08, 2014
BY: RTM
WELL: #161
STATE: New Mexico

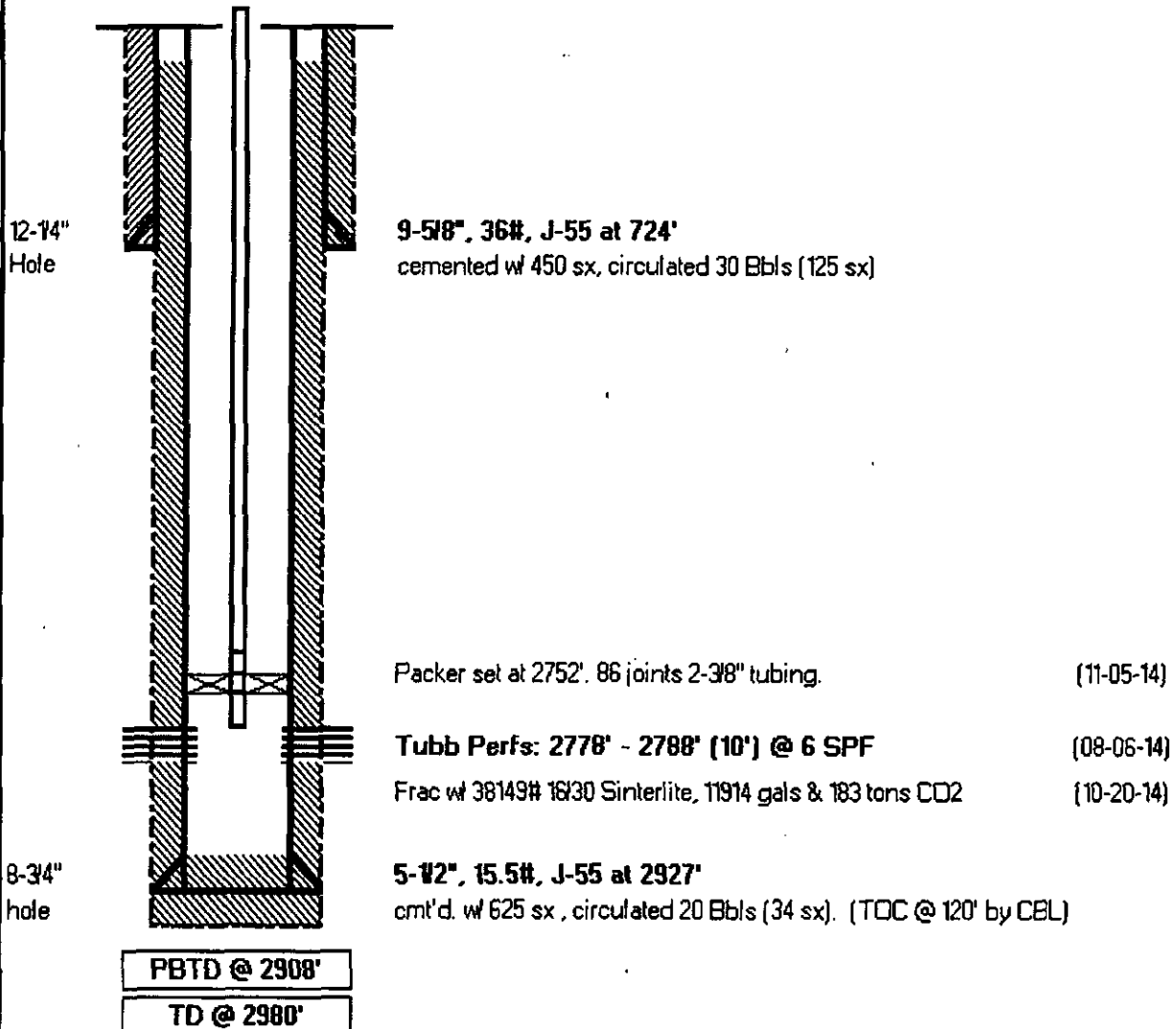
Location: 1659' FNL & 1744' FEL Sec. 16 - T 19 N - R 28 E

SPUD: 06/16/2014 Completed: 11/08/2014

CURRENT STATUS: SI - non commercial

Formation: Tubb (CO2)

KB = 5,546'
GL = 5,540'
API = 30-021-20629





Whiting Petroleum Corporation

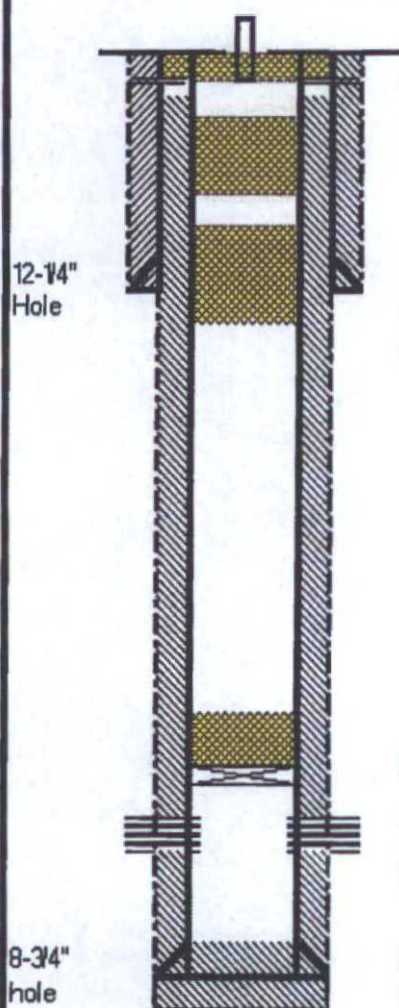
Proposed P&A

FIELD: Bravo Dome, 640 Tubbs
LEASE: **State 1928-16**
COUNTY: Harding

DATE: Nov. 18, 2015
BY: RTM
WELL: #1
STATE: New Mexico

Location: 1659' FNL & 1744' FEL Sec. 16 - T 19 N - R 28 E
SPUD: 06/16/2014 Completed: 11/06/2014
CURRENT STATUS: SI - uneconomical
Formation: Tubb (CO2)

KB = 5,546'
GL = 5,540'
API = 30-021-20629



SQZ perfs at 100': 35 sx to fill casing and annulus to 100'

25 SX FW plug: 300' - 500'

9-5/8", 36#, J-55 at 724'
cemented w/ 450 sx, circulated 30 Bbls (125 sx)
35 sx shoe plug: 574' - 774'

CIBP at 2725'. Cap w/ 35' cement+

Tubb Perfs: 2778' - 2788' (10') @ 6 SPF (08-06-14)
Frac w/ 38149# 16/30 Sinterlite, 11914 gals & 183 tons CO2 (10-20-14)

5-1/2", 15.5#, J-55 at 2927'
cm'l'd. w/ 625 sx, circulated 20 Bbls (34 sx). (TOC @ 120' by CBL)

PBTD @

TD @ 2980'

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1525 N. French Dr., Hobbs, NM 88240
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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 180163

APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, FLUGBACK, 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 313330		3. API Number 30-021-20629
5. Property Name STATE 1928 110		6. Well No. 1

7. Surface Location									
UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
J	16	19N	28E		1659	S	1774	E	Harding

8. Proposed Bottom Hole Location									
UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
J	16	19N	28E	J	1659	S	1774	E	Harding

9. Pool Information	
BRAYO DOME CARBON DIOXIDE GAS 640	96010

Additional Well Information				
11. Well Type New Well	12. Well Type CO2	13. Cable/Rotary	14. Lease Type State	15. Ground Level Elevation 5540
16. Multiple N	17. Proposed Depth 3800	18. Formation Tubb	19. Contractor	20. Spud Date 6/8/2014
Depth to Ground water		Distance from nearest fresh water well		Distance to nearest surface water

I 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	Grade of Cement	Estimated TOC
Surf	12.25	9.875	36	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

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 Pernn
Title	Regulatory Agent	Title	District Supervisor
Email Address	kay.maddox@whiting.com	Approved Date	6/5/2014
Date	5/30/2014	Phone	432-686-6709
		Expiration Date: 6/5/2018	
		Conditions of Approval Attached	