

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. 30-021-20630	
5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>	
6. State Oil & Gas Lease No. 313952	
7. Lease Name or Unit Agreement Name STATE 2028 16	
8. Well Number 01	
9. OGRID Number 25078	
10. Pool name or Wildcat BRAVO DOME CARBON DIOXIDE 640	
4. Well Location Unit Letter G 1860 feet from the NORTH line and 1750 feet from the EAST line Section 16 Township 20N Range 28E NMPM County HARDING	
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 5535' 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 *

30-021-20630

State 2028 #161 P&A

RECOMMENDED REMEDIAL WORK

Date December 9, 2015

Lease State 2028 Well No #161 WOG GW 100.00 % (87.5 % NWI)
 Pool Bravo Dome, West County Harding State NM API # 30 - 021 - 20630
 Legal Location: 1860' FNL, 1750' FEL, Sec 16, T - 20 - N, R - 28 - E
 Completion Date 12-02-14 @ T. D. 2,824' I. P. / AOF: 14 mcf while blowing down
 Water Hrs 24 flowing, Present T. D. 2752' Elevation 5535' GL KB = 5547'

DESCRIPTION OF PROSPECTIVE OR PAY ZONES

Name or Type of Zone	Top	Bottom	Remarks
<u>Santa Rosa</u>	<u>1362'</u>	<u>1705'</u>	<u>Regional CO2 Production Interval</u>
<u>San Andres / Glorieta</u>	<u>1828'</u>	<u>2212'</u>	<u>Lost Circulation Interval</u>
<u>Tubb sand</u>	<u>2627'</u>	<u>2660'</u>	<u>Primary CO2 Production Interval - tight</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>2824'</u>	<u>675</u>	<u>8-3/4"</u>	<u>2632' - 2646'</u>	<u>Cement circulated</u>

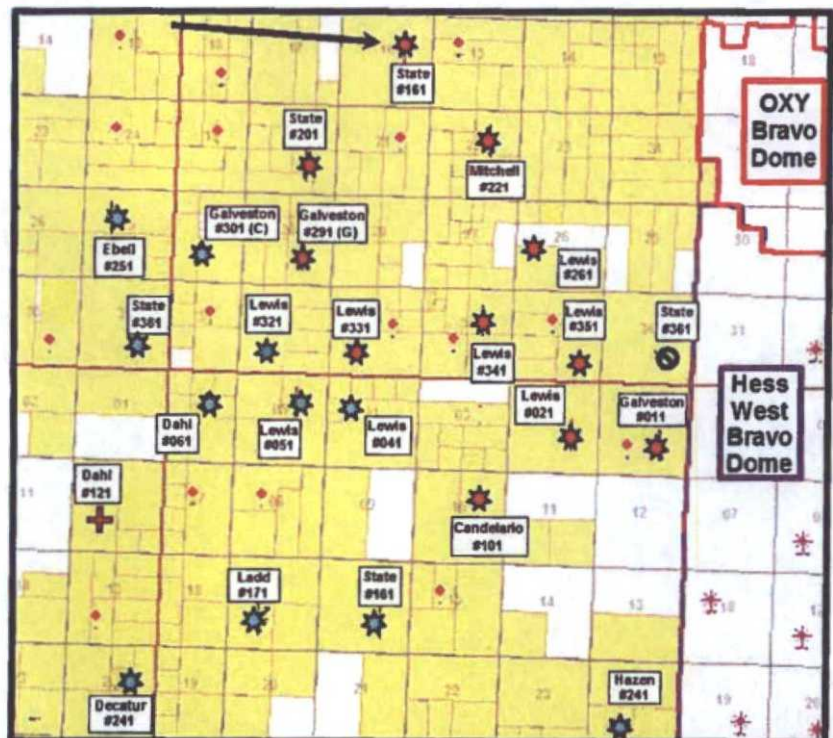
COMPLETION AND REMEDIAL WORK RECORD

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>init.</u>		<u>Tubb completion</u>	<u>(10')</u>	<u>none</u>	<u>2632'</u>	<u>2646'</u>	<u>0 mcf at 585#</u>		<u>24F</u>	
<u>10-15-14</u>	<u>Tubb acid - break perfs</u>			<u>15% HCL</u>	<u>750 gals</u>	<u>2632'</u>	<u>2646'</u>	<u>0 mcf at 822#</u>		<u>24F</u>	
<u>10-22-14</u>	<u>Tubb frac, 40 tons CO2</u>			<u>650 CO2</u>	<u>30K#/12Kg</u>	<u>2632'</u>	<u>2646'</u>	<u>14 mcf - blow-down</u>		<u>1F</u>	
<u>12-02-14</u>	<u>Tubb completion</u>				<u>swab test</u>	<u>2632'</u>	<u>2646'</u>	<u>0mcf, 0 BW, 750#</u>		<u>4F</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 very high pressure but poor quality. The sand is too thin to maintain any consistent flow rate.

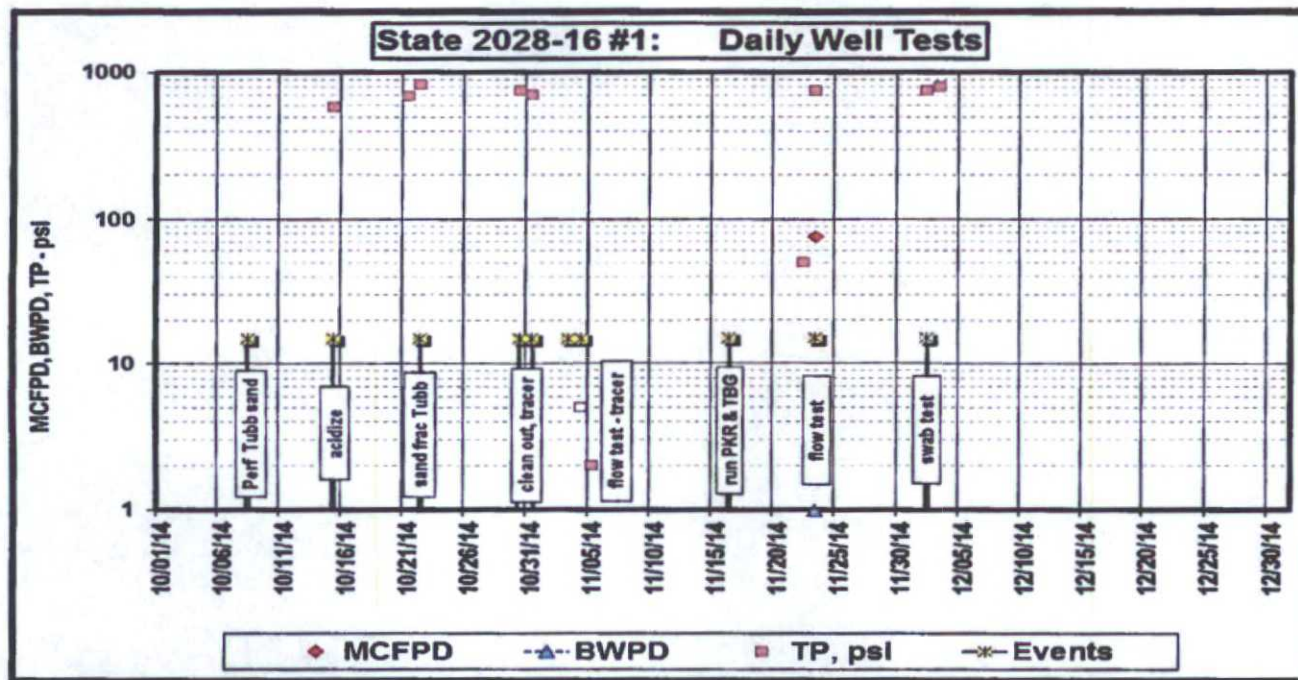
Robert McNaughton 

Objective: Plug and Abandon

Basic Procedure:

Renegade ran a CBL on 9-23-14: TOC @ at surface (Good bond). A pressure survey was run on October 21st, 2014: surface was 693 psi and BHP was 1050 psi. FL was tagged at about 2650'. Surface pressure can build up to over 800 psi, but blows down quickly. Last well work was in December 2014 (swab) and 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 @ 2580' and cap with 35'+ cement by bailer.
- Load hole with water or inhibited brine.
- 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'.
- 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

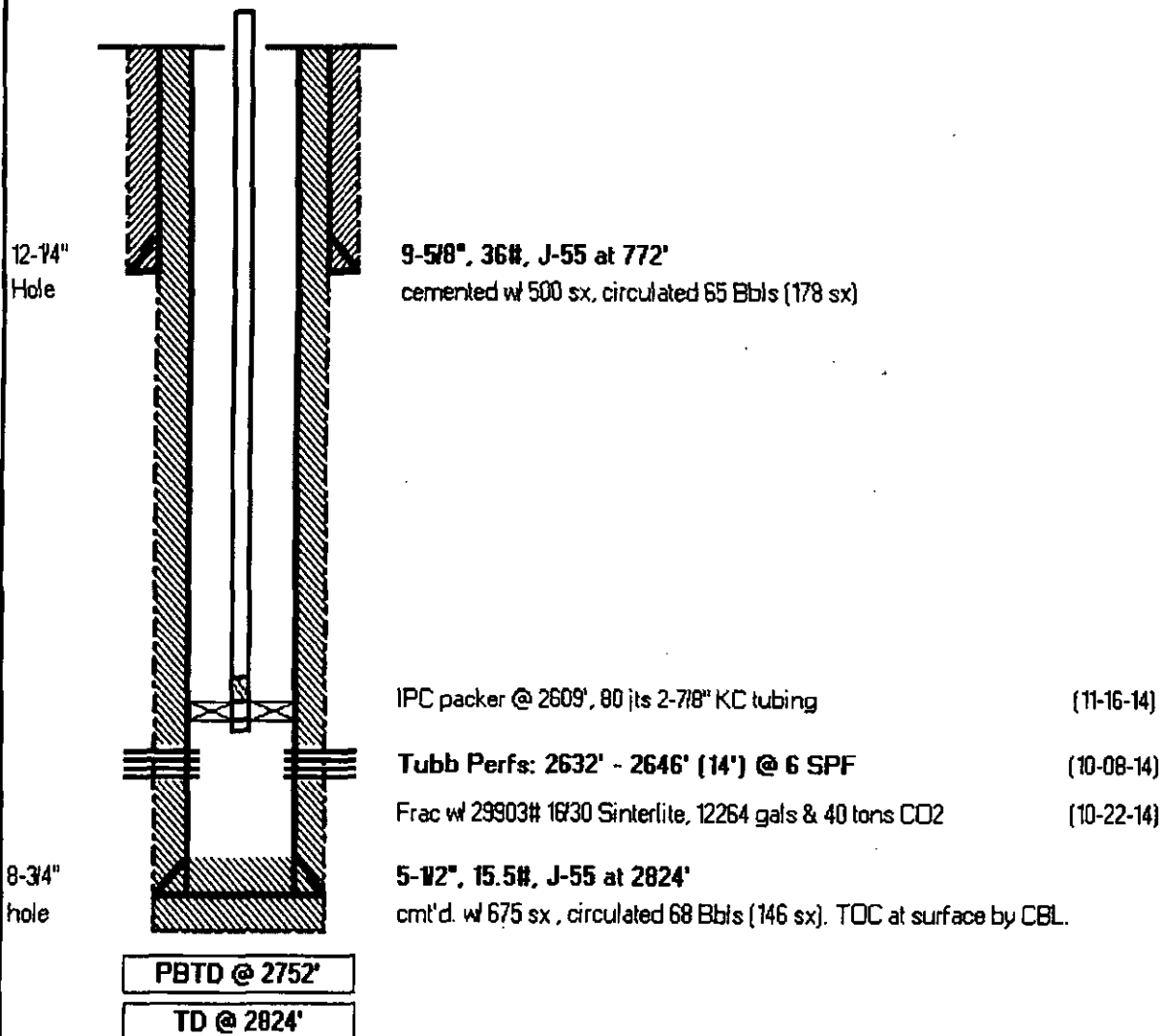
SI - CO2 Supply Well

FIELD: Bravo Dome, 640 Tubb
LEASE: State 2028
COUNTY: Harding

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

Location: 1860' FNL & 1750' FEL Sec. 16 - T 20 N - R 28 E
Spud: 08/29/2014 **Completed:** 12/02/2014
Current Status: SI - Tubb is tight
Formation: Tubb (CO2)

KB = 5,547'
GL = 5,535'
API = 30-021-20630





Whiting Petroleum Corporation

Proposed P&A

FIELD: Bravo Dome, 640 Tubb

LEASE: State 2028-16

COUNTY: Harding

DATE: Nov. 23, 2015

BY: RTM

WELL: #1

STATE: New Mexico

Location: 1860' FNL & 1750' FEL Sec. 16 - T 20 N - R 28 E

Spud: 08/29/2014 Completed: 12/02/2014

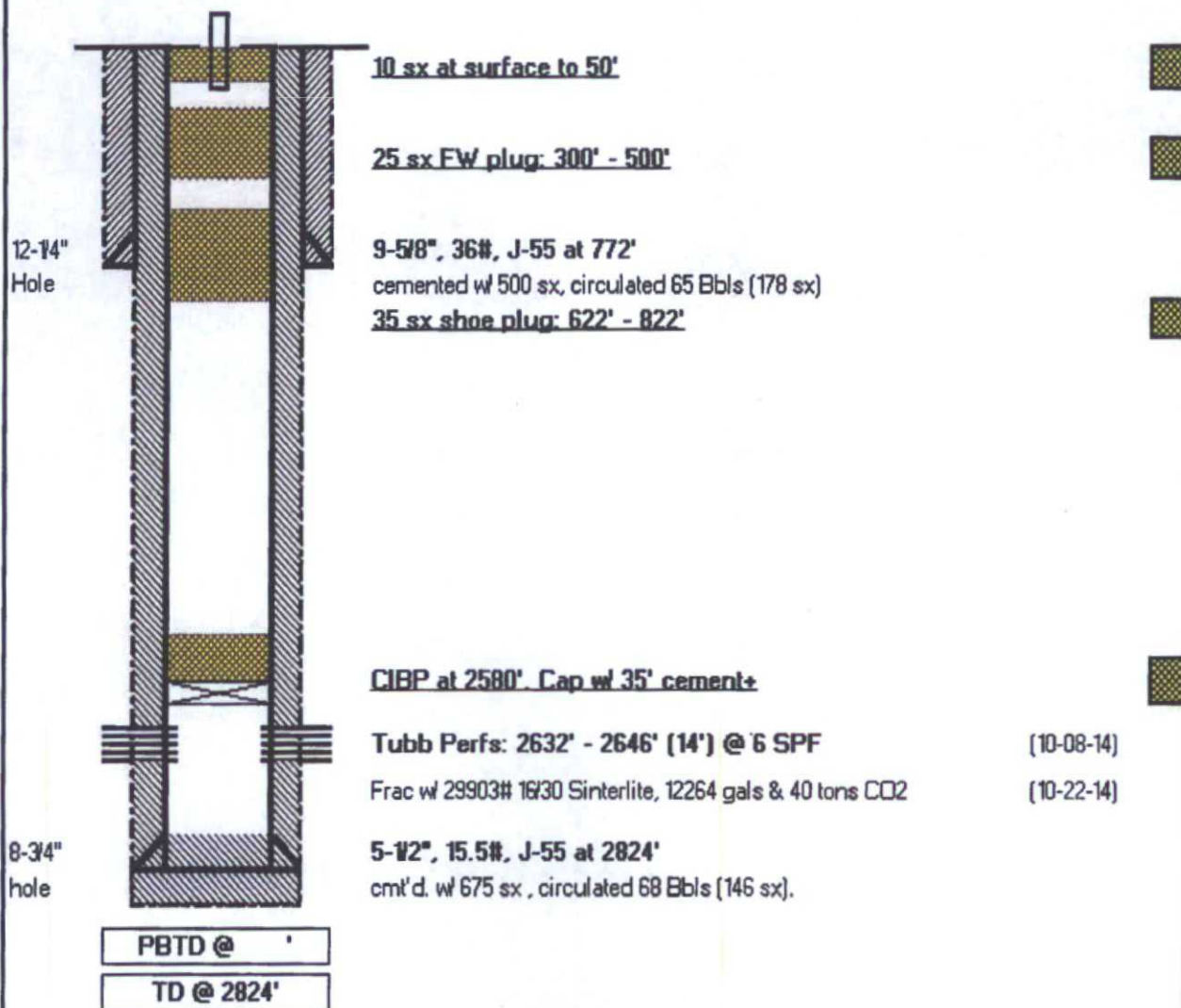
Current Status: SI - uneconomical

Formation: Tubb (CO2)

KB = 5,547'

GL = 5,535'

API = 30-021-20630



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Phone (505) 478-3470 Fax: (505) 478-3462

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

Form C-191
August 1, 2011
Permit 188169

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 30-021-20630
4. Property Code 313952	5. Property Name STATE 2028 116	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
G	16	20N	28E		1860	N	1750	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
G	16	20N	28E	G	1860	N	1750	E	Harding

9. Pool Information	
BRAVO 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 5535
16. Multiple N	17. Proposed Depth 3800	18. Formation Tubb	19. Contractor	20. Spud Date 6/12/2014
Depth to Ground water		Distance from nearest fresh water well		Distance to nearest surface water

1. We will be using a closed-loop system in lieu of fixed pits

21. Proposed Casing and Cement Program						
Type	Hole Size	Casing Size	Casing Weight	Setting Depth	Grade of Cement	Estimated TOC
Surf	12.25	9.875	38	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) NSAC 9% and/or 19.15.14.9 (B) NSAC 9% if applicable.		OIL CONSERVATION DIVISION	
Signature: Printed Name: Electronically filed by Kay Maddox		Approved By: Charles Perrin	
Title: Regulatory Agent		Title: District Supervisor	
Email Address: kay.maddox@whiting.com		Approved Date: 8/5/2014 Expiration Date: 8/5/2016	
Date: 5/30/2014 Phone: 432-686-8708		Conditions of Approval Attached	