

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. 30-021-20645
1. Type of Well: Oil Well <input type="checkbox"/> Gas Well <input checked="" type="checkbox"/> Other		5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE
2. Name of Operator WHITING OIL AND GAS CORPORATION		6. State Oil & Gas Lease No. 313953
3. Address of Operator 400 W ILLINOIS STE 1300 MIDLAND, TX 79701		7. Lease Name or Unit Agreement Name STATE 2028 20
4. Well Location Unit Letter J 1660 feet from the SOUTH line and 1748 feet from the EAST line Section 20 Township 20N Range 28E NMPM County HARDING		8. Well Number 01
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 5501' 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)

RECOMMENDED REMEDIAL WORK

Date December 8, 2015

Lease State 2028-20 Well No. #1 WOG GW1 100.00 % (87.5 % NWI)
Pool Bravo Dome, West County Harding State NM API # 30 - 021 - 20645
Legal Location: 1660' FSL, 1748' FEL, Sec 20, T - 20 - N, R - 28 - E
Completion Date 11-17-14 @ T. D. 2,901' I. P. / AOF: 10 mcfpd, 25 bwpd
Water _____ Hrs 4 swabbing, Present T. D. 2833' Elevation 5501' GL KB = 5513'

DESCRIPTION OF PROSPECTIVE OR PAY ZONES

Name or Type of Zone	Top	Bottom	Remarks
<u>Santa Rosa</u>	<u>1317'</u>	<u>1714'</u>	<u>Regional CO2 Production Interval</u>
<u>San Andres / Glorieta</u>	<u>1833'</u>	<u>2184'</u>	<u>Lost Circulation Interval</u>
<u>Tubb sand</u>	<u>2599'</u>	<u>2649'</u>	<u>Primary CO2 Production Interval</u>

CASING AND LINER RECORD

Size	Weight	Grade	Set At	SX CMT	Hole Size	Perf.	Remarks
9-5/8"	36#	J-55	773'	500	12-1/4"		Cement circulated
5-1/2"	15.5#	J-55	2901'	700	8-3/4"	2612' - 2635'	TOC @ ~710' by CBL

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
10-08-14	init.			(23')	none	2612'	2635'	0 mcfpd,	0 psi	24F
10-15-14	Tubb acid,			15% HCl	750 gals	2612'	2635'	0 mcfpd,	0 psi	24F
10-22-14	Tubb frac,			650 CO2	44K#/16Kg	2612'	2635'	53 mcfpd,	3 blw	2F
12-04-14				swab and flow test		2612'	2635'	10 mcfpd,	25 blw	4S

CUM. Prod. _____ MMCF, _____ MBW

as of: _____

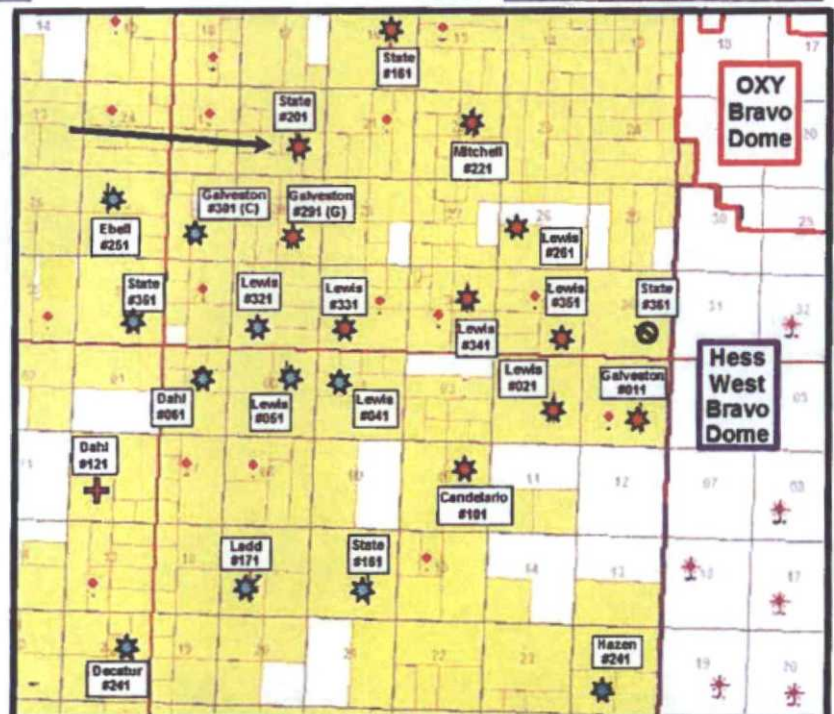
Last Test: _____ MCFPD _____ BWPD _____

Date: _____

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 very poor quality. The sand is too silty to allow any consistent flow rate.

Robert McNaughton

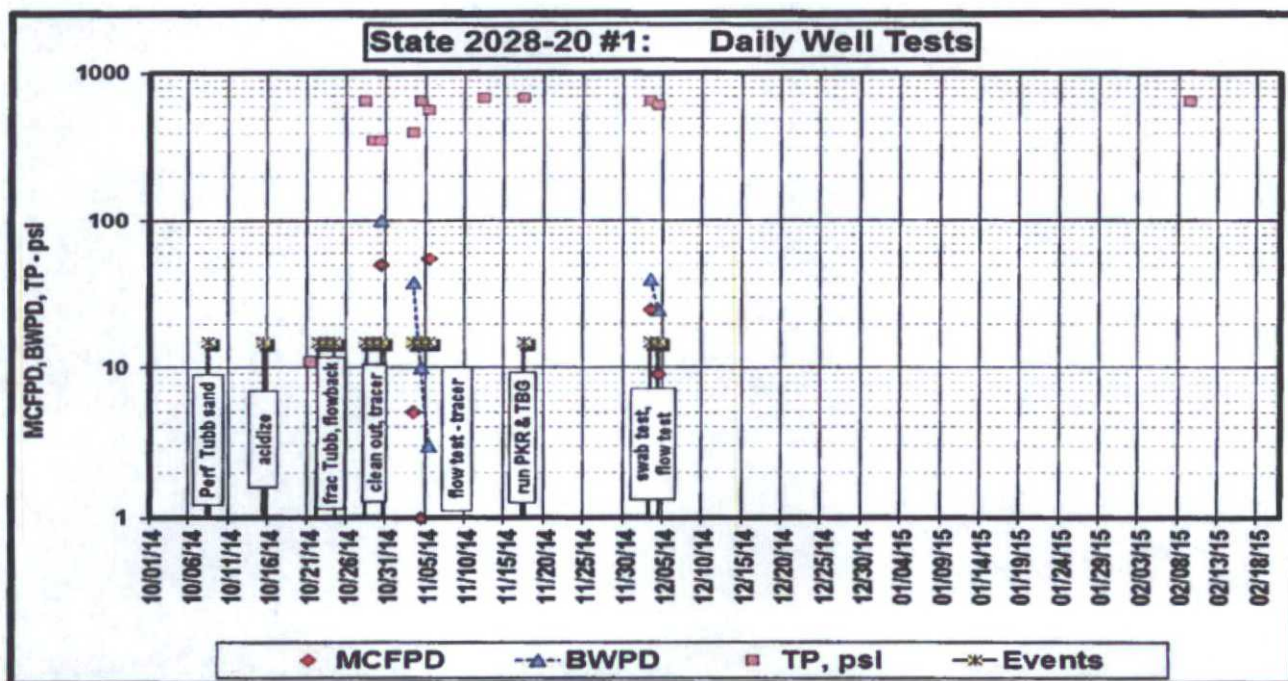


Objective: Plug and Abandon

Basic Procedure:

Renegade ran a CBL on 9-23-14: TOC @ at ~710' (Good bond). A post-frac pressure survey was run on February 19th, 2015: surface was 650 psi and BHP was 795 psi. FL was around 2600'. 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 @ 2560' 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 25 sx plug across the 9-5/8" casing shoe from 622' to 822'. Shoot SQZ perfs at 500', or as directed. Circulate 120 sx to the surface. 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

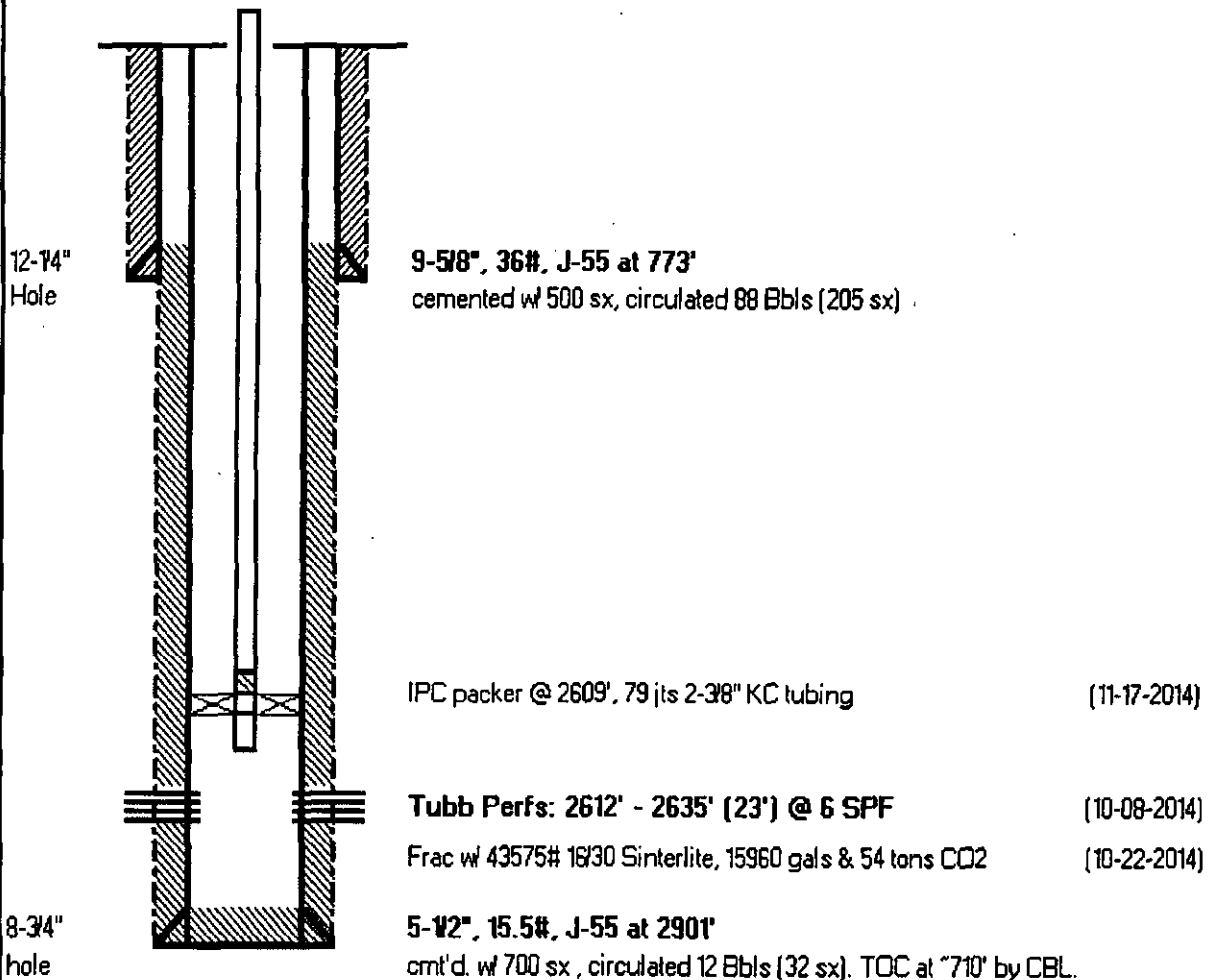
SI - CO2 Supply Well

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

DATE: Oct. 08, 2014
BY: RTM
WELL: #201
STATE: New Mexico

Location: 1660' FSL & 1748' FEL (J), Sec. 20 - T 20 N - R 28 E
Spud: 09/04/2014 **Completed:** 11/17/2014
Current Status: SI - uneconomical (tight)
Formation: Tubb (CO2)

KB = 5,513'
GL = 5,301'
API = 30-021-20645



PBD @ 2833'

TD @ 2901'



Whiting Petroleum Corporation

Proposed P&A

FIELD: Bravo Dome, 640 Tubb
 LEASE: State 2028-20
 COUNTY: Harding

DATE: Nov. 23, 2015
 BY: RTM
 WELL: #1
 STATE: New Mexico

Location: 1660' FSL & 1748' FEL (J), Sec. 20 - T 20 N - R 28 E

Spud: 09/04/2014 Completed: 11/17/2014

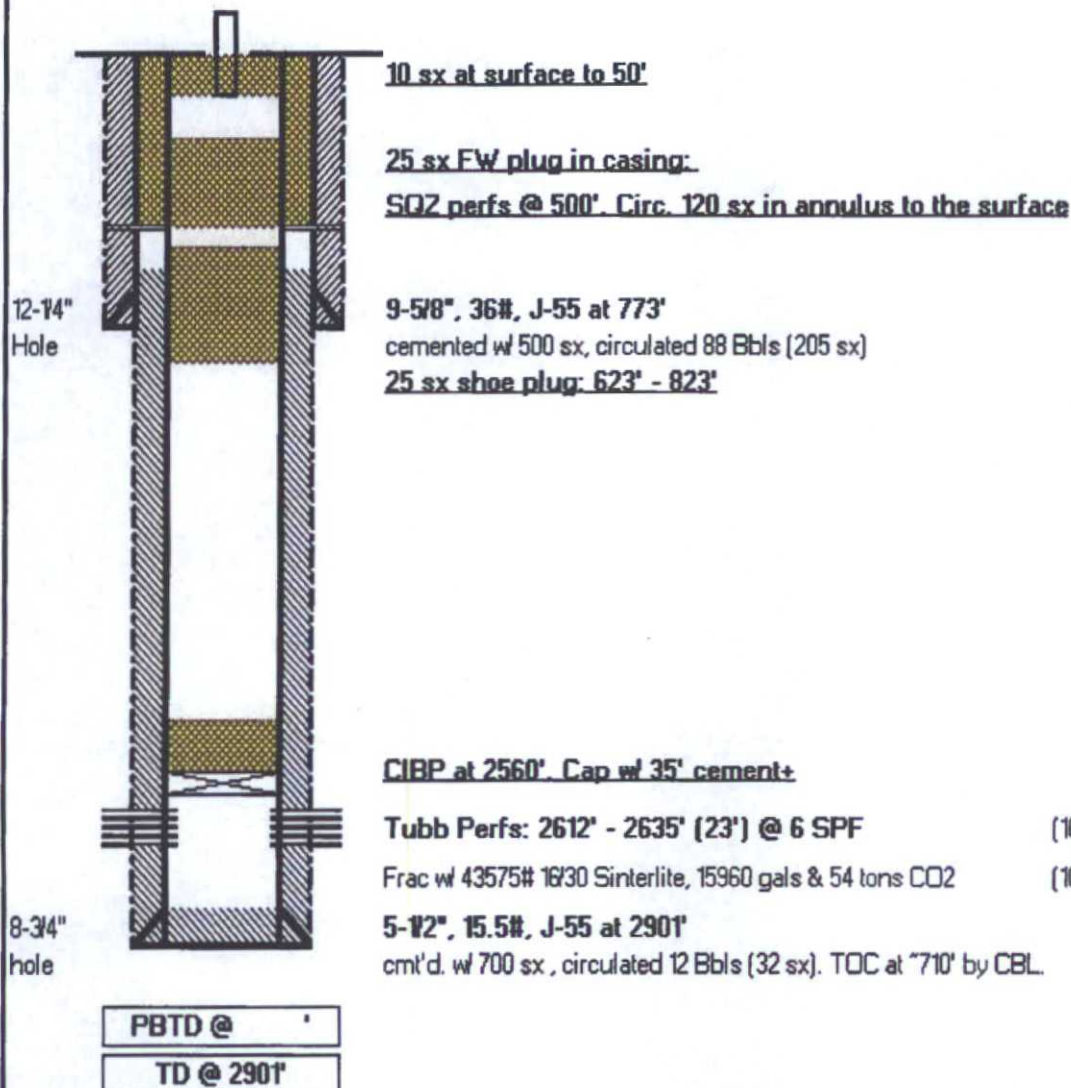
Current Status: SI - uneconomical

Formation: Tubb (CO2)

KB = 5,513'

GL = 5,301'

API = 30-021-20645



District I
1625 N. French Dr., Hobbs, NM 88240
Phone (505) 393-0181 Fax (505) 393-0720

District II
811 S. First St., Aramis, NM 88210
Phone (505) 748-1283 Fax (505) 748-9720

District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone (505) 334-0178 Fax (505) 334-0170

District IV
1220 S. St Francis Dr., Santa Fe, NM 87508
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 188525

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
		3 API Number 30-021-20845
4 Property Code 313953	5 Property Name STATE 2028 20	6 Well No 1

7. Surface Location									
UL - Lot	Section	Township	Range	Lot 1st	Feet From	N/S Line	Feet From	E/W Line	County
J	20	20N	28E		1660	S	1748	E	Harding

8. Proposed Bottom Hole Location									
UL - Lot	Section	Township	Range	Lot 1st	Feet From	N/S Line	Feet From	E/W Line	County
J	20	20N	28E	J	1880	S	1748	E	Harding

9. Pool Information	
BRAVO DOME CARBON DIOXIDE GAS 840	88010

Additional Well Information				
11 Well Type New Well	12 Well Type CO2	13 Casing/ Rotary	14 Lease Type State	15. Ground Level Elevation 5501
16 Multiple N	17 Proposed Depth 3800	18 Formation Tubb	19 Contractor	20. Spud Date 7/14/2014
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	9 825	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) NMAC 89 and/or 19.15.14.9 (B) NMAC 84, if applicable.		OIL CONSERVATION DIVISION		
Signature:				
Printed Name: Electronically filed by Kay Maddox		Approved By: Charlie Perrin		
Title: Regulatory Agent		Title: District Supervisor		
Email Address: kay.maddox@whiting.com		Approved Date: 7/3/2014		Expiration Date: 7/3/2016
Date: 7/1/2014	Phone: 432-686-6709	Conditions of Approval Attached		