

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. 30-021-20651	
5. Indicate Type of Lease STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>	
6. State Oil & Gas Lease No. 313466	
7. Lease Name or Unit Agreement EBELL 2027 25	
8. Well Number 01	
9. OGRID Number 25078	
10. Pool name or Wildcat BRAVO DOME CARBON DIOXIDE 640	
4. Well Location Unit Letter F 1664 feet from the NORTH line and 1660 feet from the WEST line Section 25 Township 20N Range 27E NMPM County HARDING	
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 5649' 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:

[Signature]

TITLE

DIST IV

DATE

12/22/15

Conditions of Approval (if any):

RECOMMENDED REMEDIAL WORK

Date December 8, 2015

Lease Ebell 2027-25 Well No #1 WOG GW 100.00 % (87.5 % NWI)
Pool Bravo Dome, West County Harding State NM API # 30 - 021 - 20651
Legal Location: 1664' FNL, 1660' FWL, Sec 25, T - 20 - N, R - 27 - E
Completion Date 11-12-14 @ T. D. 2,915' I. P. / AOF: swab 100 Bbls water w/ gas, no flow
Water Hrs 10 swabbing, Present T. D. 2845' Elevation 5649' GL KB = 5655'

DESCRIPTION OF PROSPECTIVE OR PAY ZONES

Name or Type of Zone	Top	Bottom	Remarks
<u>Santa Rosa</u>	<u>1444'</u>	<u>1804'</u>	<u>Regional CO2 Production Interval</u>
<u>San Andres / Glorieta</u>	<u>1908'</u>	<u>2298'</u>	<u>Lost Circulation Interval</u>
Tubb sand	2694'	2740'	Primary CO2 Production Interval - wet

CASING AND LINER RECORD

Size	Weight	Grade	Set At	SX CMT	Hole Size	Perf.	Remarks
9-5/8"	36#	J-55	724'	500	12-1/4"		Cement circulated
5-1/2"	15.5#	J-55	2908'	750	8-3/4"	2712' - 2726'	Cement circulated

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.	Tubb	completion	(14')	none	2712'	2726'	0 mcf @	15 psi	24F
10-22-14	init.	Tubb	Frac	37 tons	31K#/14Kq	2712'	2726'	good gas,	600 psi	24F
11-12-14					swab test	2712'	2726'	trace gas,	100 BW	10S

CUM. Prod. MMCF, MBW

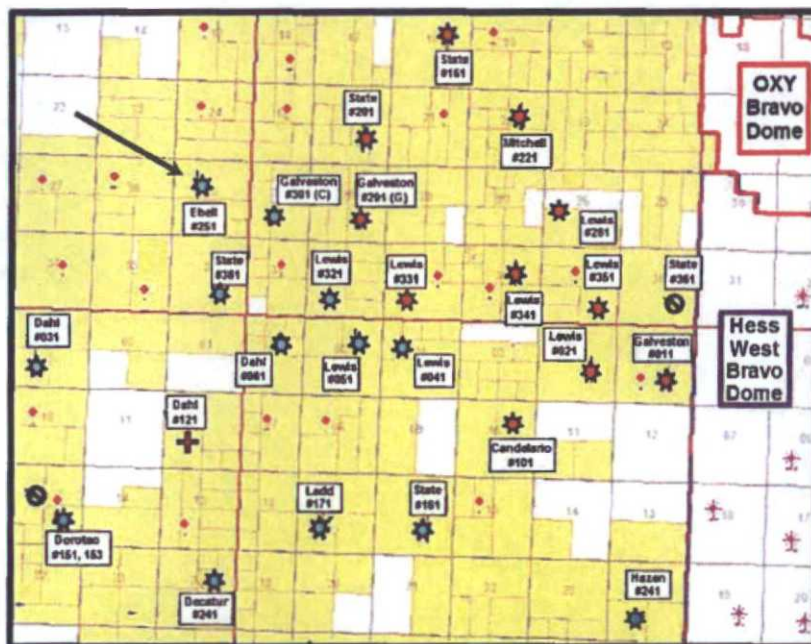
as of: _____

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 at least one layer with good gas saturation. However, the sand layers were too thin and mostly wet.



Robert McNaughton



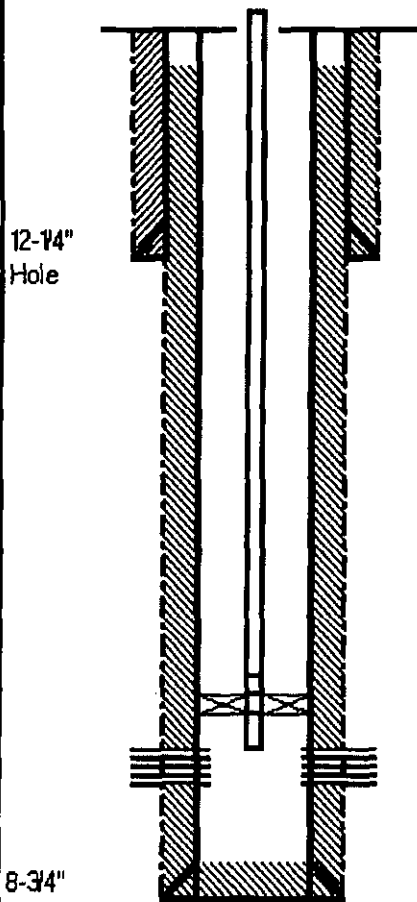
Whiting Petroleum Corporation

CO2 Supply WellFIELD: **Bravo Dome, 640 Tubb**DATE: **Oct. 03, 2014**LEASE: **Ebell 2027**BY: **RTM**COUNTY: **Harding**WELL: **#251**STATE: **New Mexico**

Location: 1664' FNL & 1660' FWL Sec. 25 - T 20 N - R 27 E

KB = **5,655'**

SPUD: 09/03/2014 Completed: 11/12/2014

GL = **5,649'**CURRENT STATUS: **Drill & Complete**API = **30-021-20651**Formation: **Tubb (CO2)****9-5/8", 36#, J-55 at 724'**

cemented w/ 500 sx, circulated 48 Bbls (91 sx)

Packer set at 2689'. 85 joints 2-3/8" tubing.

(11-11-14)

Tubb Perfs: 2712' - 2726' (14') @ 6 SPF

(10-08-14)

Frac w/ 31,137# 18/30 Sinterlite, 13,650 gals & 37 tons CO2

(10-22-14)

5-1/2", 15.5#, J-55 at 2915'

cmt'd. w/ 750 sx, circulated 43 Bbls (122 sx). TOC @ 70' by CBL.

PBTD @ 2845'**TD @ 2915'**



Whiting Petroleum Corporation

Proposed P&A

FIELD: Bravo Dome, 640 Tubb

LEASE: **Ebell 2027-25**

COUNTY: Harding

DATE: Nov. 23, 2015

BY: RTM

WELL: **#1**

STATE: New Mexico

Location: 1664' FNL & 1660' FWL Sec. 25 - T 20 N - R 27 E

Spud: 09/03/2014 Completed: 11/12/2014

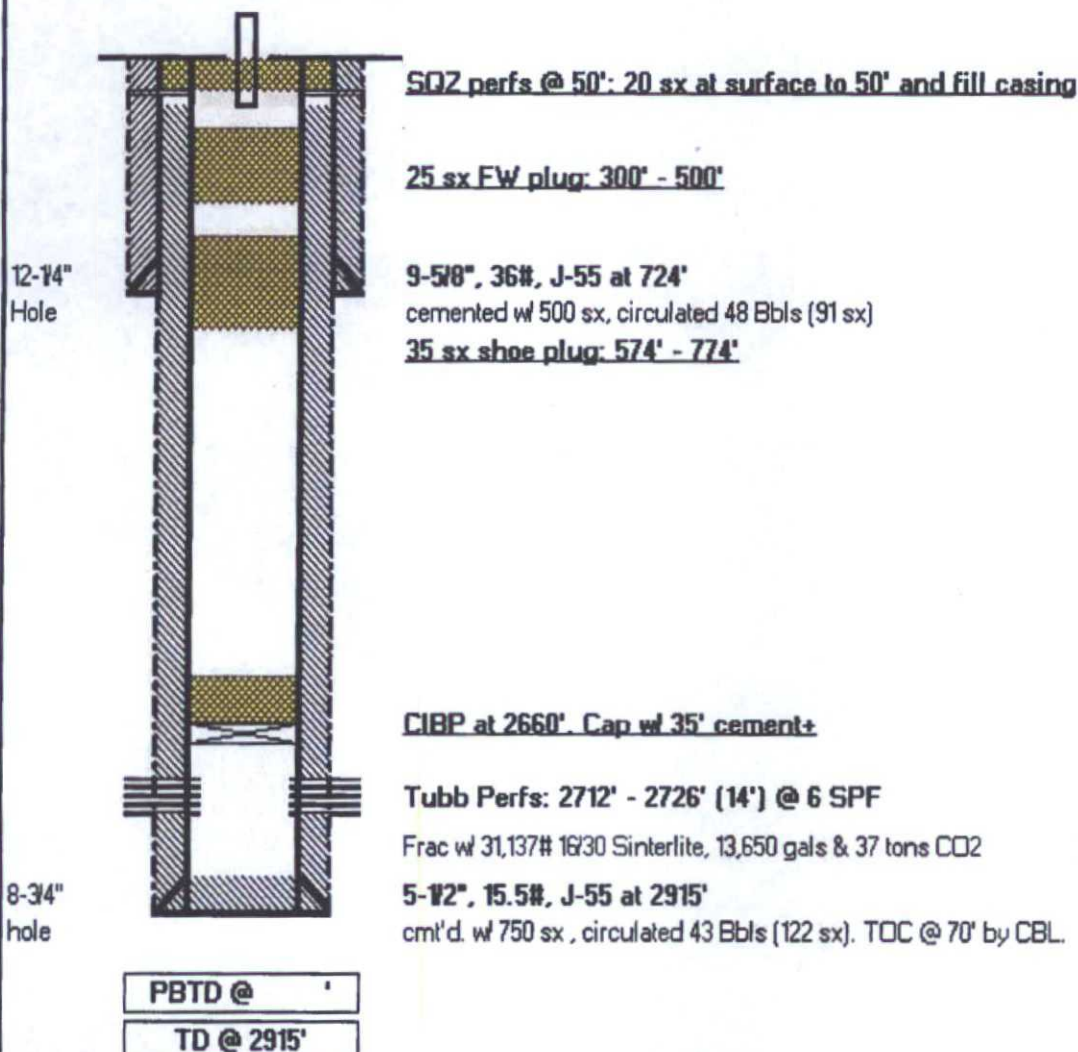
Current Status: SI - uneconomical

Formation: **Tubb (CO2)**

KB = 5,655'

GL = 5,649'

API = 30-021-20651

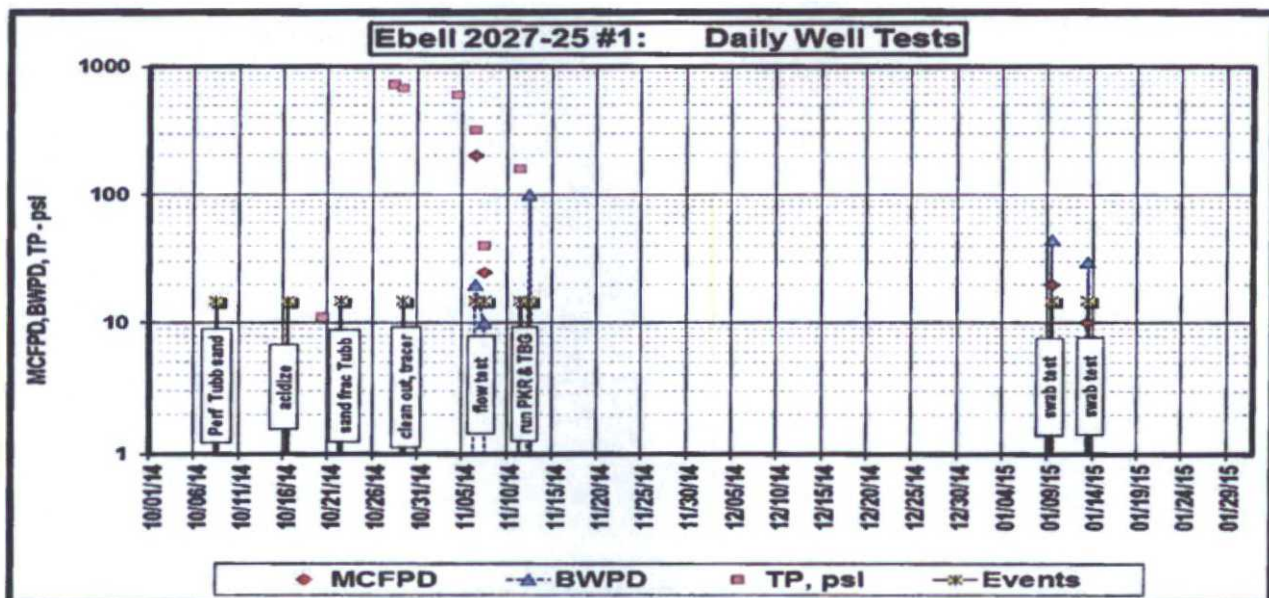


Objective: Plug and Abandon

Basic Procedure:

Renegade ran a CBL on 9-23-14: TOC @ 70'. Cement was circulated, but fell back some. (Good bond). A pressure survey was run on October 20th, 2014: surface was 11 psi and BHP was 750 psi. FL was tagged at about 1200'. Last well work was in January 2015 (swabbing) 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 @ 2660' 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 perfs at 50' (if requested). Pump 20 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



District I
1825 N. French Dr., Hobbs, NM 88240
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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 87505
Phone: (505) 478-3478 Fax: (505) 478-3402

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 185814

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 313486		3. API Number 30-021-20651
5. Property Name EBELL 2027 25		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
F	25	20N	27E		1664	N	1680	W	Harding

8. Proposed Bottom Hole Location									
UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
F	25	20N	27E	F	1664	N	1680	W	Harding

9. Pool Information	
BRAVO DOME CARBON DIOXIDE GAS 640	88010

Additional Well Information				
11. Well Type New Well	12. Well Type CO2	13. Cable/ Rotary	14. Lease Type Private	15. Ground Level Elevation 5648
16. Multiple N	17. Proposed Depth 3800	18. Formation Tubb	19. Contractor	20. Spud Date 7/29/2014
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	Seals of Cement	Estimated TOC
Surf	12 25	8 625	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 or, if applicable.		OIL CONSERVATION DIVISION	
Signature		Approved By	
Printed Name Electronically filed by Kay Maddox		Charlie Penfin	
Title Regulatory Agent		Title District Supervisor	
Email Address kay.maddox@whiting.com		Approved Date 7/10/2014	Expiration Date 7/10/2016
Date 7/2/2014	Phone 432-888-8709	Conditions of Approval Attached	