

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

WELL API NO. 30-021-20586
5. Indicate Type of Lease STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>
6. State Oil & Gas Lease No. 40183
7. Lease Name or Unit Agreement Name DOROTEO 1927 15
8. Well Number 01
9. OGRID Number 25078
10. Pool name or Wildcat BRAVO DOME CARBON DIOXIDE GAS 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 Gas Well 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 F 1875 feet from the NORTH line and 1807 feet from the WEST line
Section 15 Township 19N. Range 27E NMPM County HARDING

11. Elevation (Show whether DR, RKB, RT, GR, etc.)
5618' 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 DOT IV DATE 12/21/15
Conditions of Approval (if any):



* EXP *

30-021-20586

Doroteo 1927 #151 P&A

RECOMMENDED REMEDIAL WORK

Date December 7, 2015

Lease Doroteo 1927-15 Well No #1 WOG GW1 100.00 % (87.5 % NWI)
 Pool Bravo Dome, West County Harding State NM API # 30 - 021 - 20586
 Legal Location: 1875' FNL, 1807' FEL, Sec 15, T - 19 - N, R - 27 - E
 Completion Date @ T. D. 2170' I. P. / AOF:
 Water Hrs 24 flowing, Present T. D. 1590' Elevation 5618' GL KB = 5624'

DESCRIPTION OF PROSPECTIVE OR PAY ZONES

Name or Type of Zone	Top	Bottom	Remarks
Santa Rosa (from mud log)	1470'	1770'	Regional CO2 Production Interval
San Andres / Glorieta	1850'	??	Lost Circulation Interval (2027' - 2052')
Tubb sand	NDE	NDE	Proposed CO2 Production Interval

CASING AND LINER RECORD

Size	Weight	Grade	Set At	SX CMT	Hole Size	Perf.	Remarks
8-5/8"	24#	J-55	1649'	850	12-1/4"		Cement circulated
			2170'		7-7/8"	open hole	TD at 2170'

COMPLETION AND REMEDIAL WORK RECORD

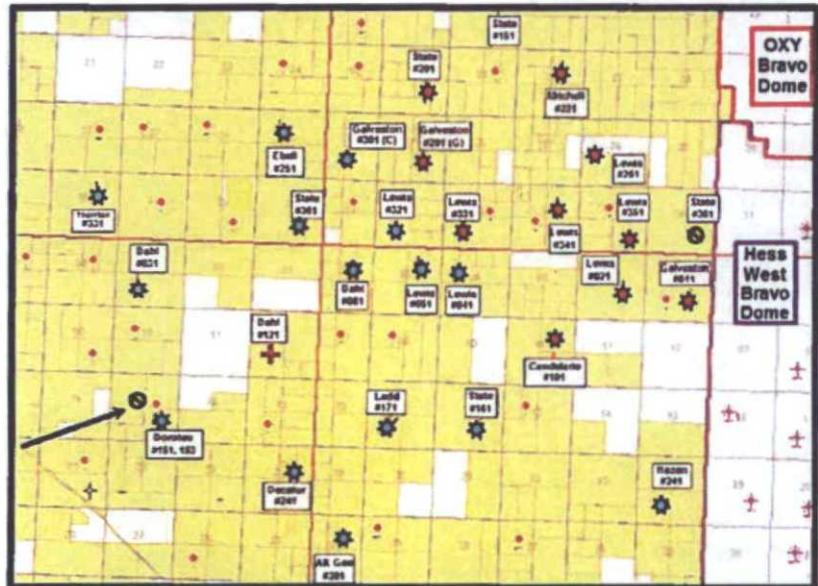
Production Test Before				Treatment				Production Test After			
Date	Gas	@ psi	water Hrs	Type	Amount	From	To	Gas	@ psi	water Hrs	
01-01-14	Tubb	-	hit cavern	and lost all circulation		2027'	2052'				0F
01-13-14	temporarily	abandon			CIBP	1590'	1593'				0F
											0F

CUM. Prod. _____ MMCF, _____ MBW as of: _____
 Last Test: _____ MCFPD _____ BWPD Date: _____

Reasons for Plug and Abandonment:

This is a distant wildcat offset to Hess's West Bravo Dome CO2 Unit and OXY's Bravo Dome CO2 Unit. This well was suspended after hitting a large cavern, and poor results on offset wells do not justify any further work on this wellbore.

Robert McNaughton _____



Objective: Plug and Abandon

Basic Procedure:

About 295 sx cement was circulated behind the 8-5/8" casing, but no CBL was run. A CIBP was set at 1590' in January 2014, but there is no cement on it (wireline parted).

Last well work was March 2014 (fish setting tools) -- rig anchor tests should be current.

- **Load hole w/ 10 PPG salt gel mud.**
- **Pump 50 sx on top of the CIBP at 1590'. Pump 50 sx at the base of the fresh water zone from 550' up to 350'. If required to WOC and tag, it may be cheaper and faster to fill the casing to the surface with 150 sx.**
- **Dig out the 8-5/8" casing valves and check the annulus for any pressure.**
- **Fill in the annulus around the 8-5/8" if possible.**
- **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

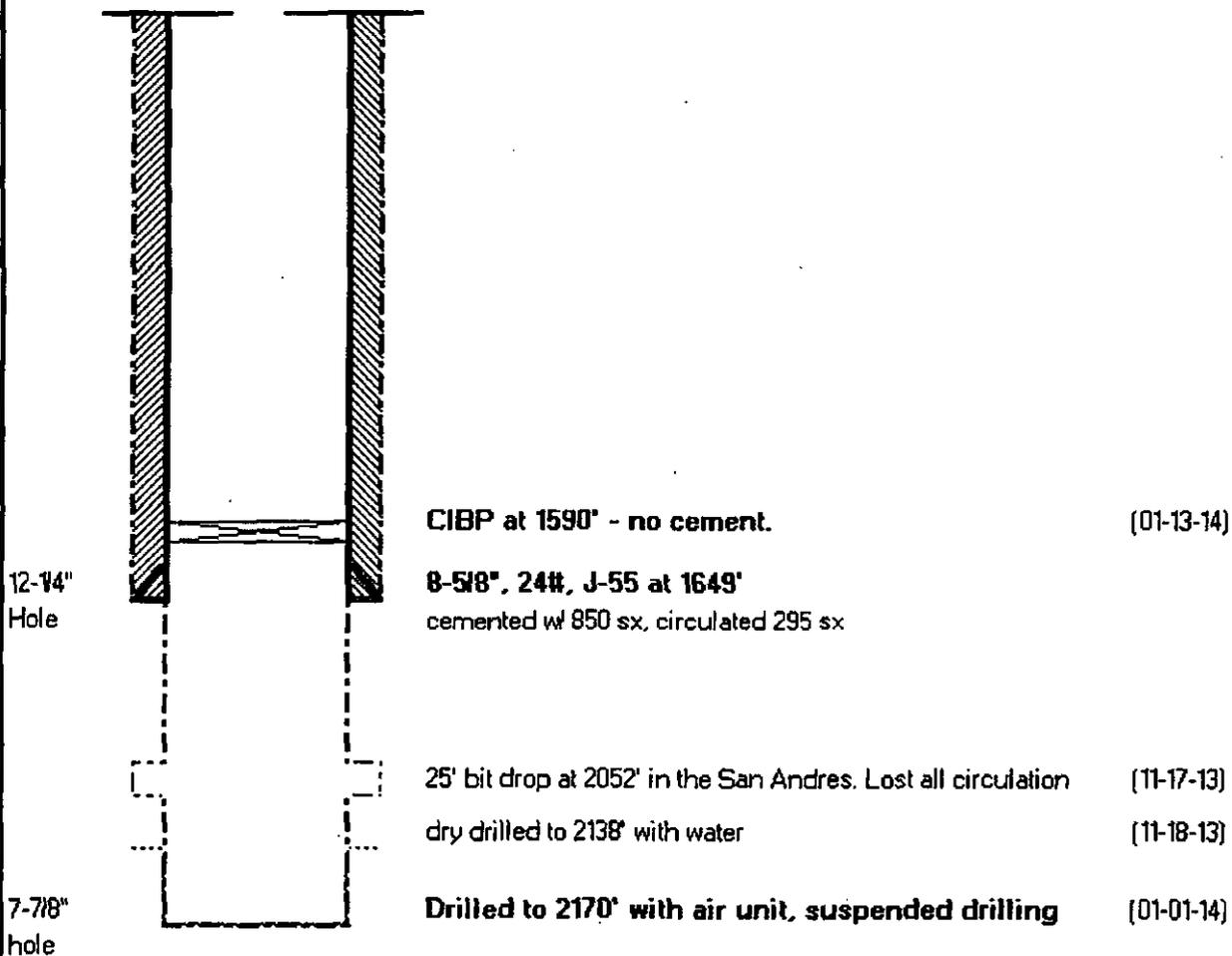
Note: NMOC D may require that the CIBP be drilled/ knocked out and that a retainer is set. It will pump an infinite amount of cement on a vacuum, and won't do any good. Total volume of the cavern in the San Andres is unknown, but it took over 1500 Bbls of mud and LCM pills.



TA - CO2 Supply Well

FIELD: Bravo Dome, West	DATE: Jul. 10, 2014
LEASE: <u>Doroteo 1927</u>	BY: RTM
COUNTY: Harding	WELL: #15-1
	STATE: New Mexico

Location: 1875' FNL & 1807' FEL Sec. 15 - T19N- R27E	KB = 5,624'
SPUD: 11/13/2013 Completed:	GL = 5,618'
CURRENT STATUS: TA - Suspended	API = 30-021-20586
Formation: <u>Tubb (CO2) - NDE</u>	



PBTD @ 1590'
TD @ 2170'



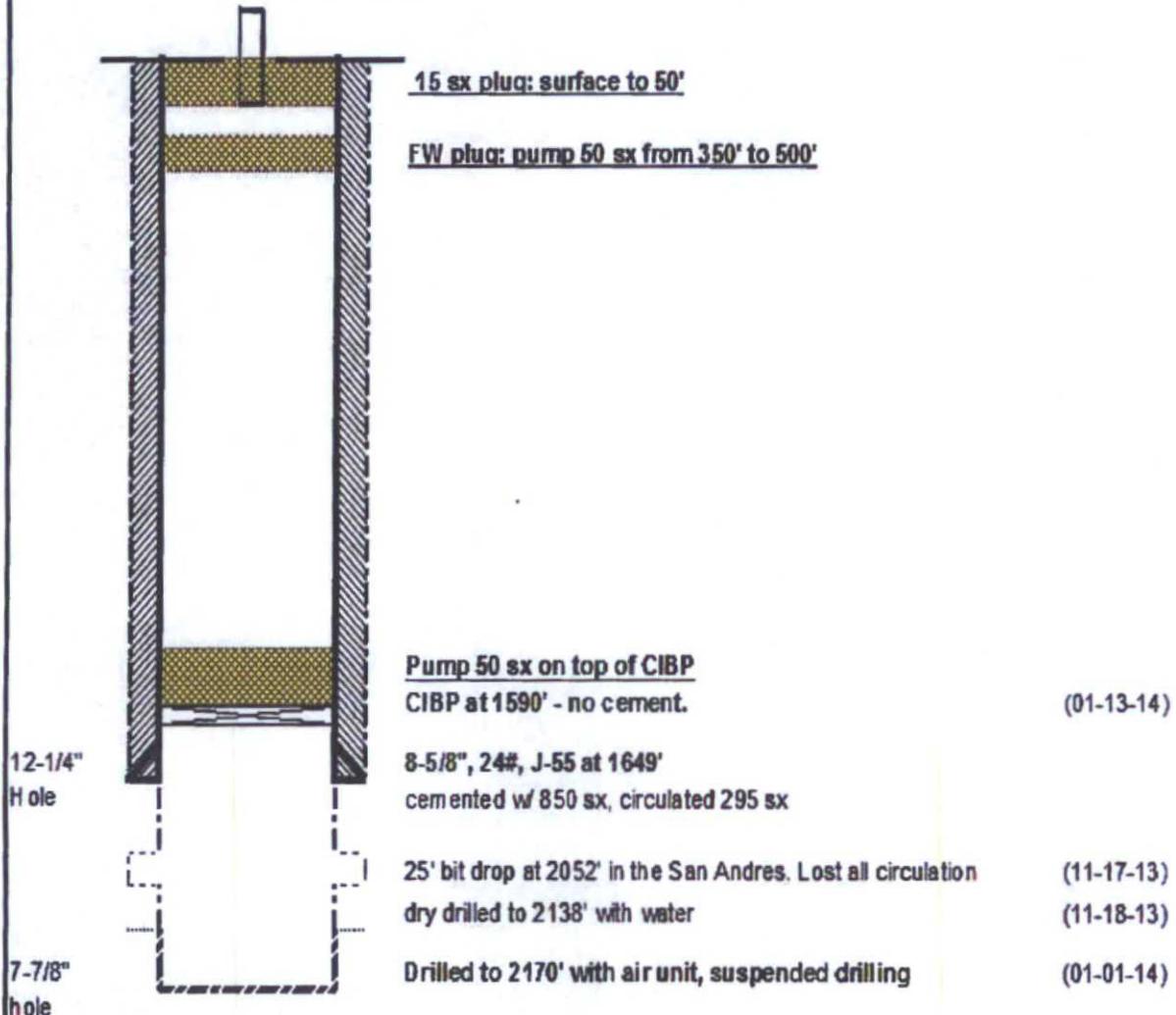
Proposed P&A

FIELD: Bravo Dome, West
 LEASE: Doroteo 1927
 COUNTY: Harding

DATE: Jul. 10, 2014
 BY: RTM
 WELL: #15-1
 STATE: New Mexico

Location: 1875' FNL & 1807' FEL Sec. 15 - T19N - R27E
 SPUD: 11/13/2013 Completed:
 CURRENT STATUS: TA - Suspended
 Formation: Tubb (CO2) - NDE

KB = 5,624'
 GL = 5,618'
 API = 30-021-20586



PBTD @ '

TD @ 2170'

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**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 175321

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 30-021-20586
4. Property Code 40183	5. Property Name DOROTEO 1927 15	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	15	19N	27E	F	1875	N	1807	W	

8. Proposed Bottom Hole Location

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
F	15	19N	27E	F	1875	N	1807	W	

9. Pool Information

BRAVO DOME CARBON DIOXIDE GAS 640	96010
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Additional Well Information

11. Work Type New Well	12. Well Type GAS	13. Cable/Rotary	14. Lease Type Private	15. Ground Level Elevation 5618
16. Multiple N	17. Proposed Depth 3500	18. Formation Tubb	19. Contractor	20. Spud Date 10/28/2013
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/ft	Setting Depth	Sacks of Cement	Estimated TOC
Surf.	12.25	8.625	24	1800	650	0
Prod	7.875	5.5	15.5	3500	550	

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 <input checked="" type="checkbox"/> and/or 19.15.14.9 (B) NMAC <input checked="" type="checkbox"/> , if applicable.	OIL CONSERVATION DIVISION	
Signature:		
Printed Name: Electronically filed by Kay Maddox	Approved By: Ed Martin	
Title: Regulatory Agent	Title: District Supervisor	
Email Address: kay.maddox@whiting.com	Approved Date: 10/22/2013	Expiration Date: 10/22/2015
Date: 10/16/2013	Phone: 432-686-6709	Conditions of Approval Attached