

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.

30-021-20586

5. Indicate Type of Lease

STATE ☐ FEE ☒

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:

PERFORM REMEDIAL WORK ☐

PLUG AND ABANDON ☒

TEMPORARILY ABANDON ☐

CHANGE PLANS ☐

PULL OR ALTER CASING ☐

MULTIPLE COMPL ☐

DOWNHOLE COMMINGLE ☐

CLOSED-LOOP SYSTEM ☐

OTHER: ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐

ALTERING CASING ☐

COMMENCE DRILLING OPNS. ☐

P AND A ☐

CASING/CEMENT JOB ☐

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 |
|----------------------------------|--------------|--------------|--|
| <u>Santa Rosa (from mud log)</u> | <u>1470'</u> | <u>1770'</u> | <u>Regional CO2 Production Interval</u> |
| <u>San Andres / Glorieta</u> | <u>1850'</u> | <u>??</u> | <u>Lost Circulation Interval (2027' - 2052')</u> |
| <u>Tubb sand</u> | <u>NDE</u> | <u>NDE</u> | <u>Proposed CO2 Production Interval</u> |

CASING AND LINER RECORD

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

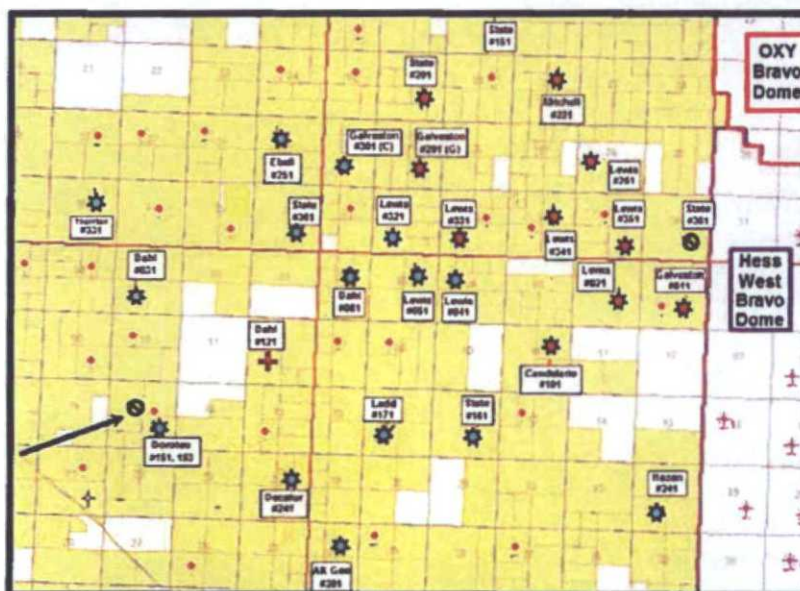
COMPLETION AND REMEDIAL WORK RECORD

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

CUM. Prod. _____ MMCF, _____ MBWas of: _____Last Test: _____ MCFPD _____ BHPDDate: _____

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: NMOCD 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.



Whiting Petroleum Corporation

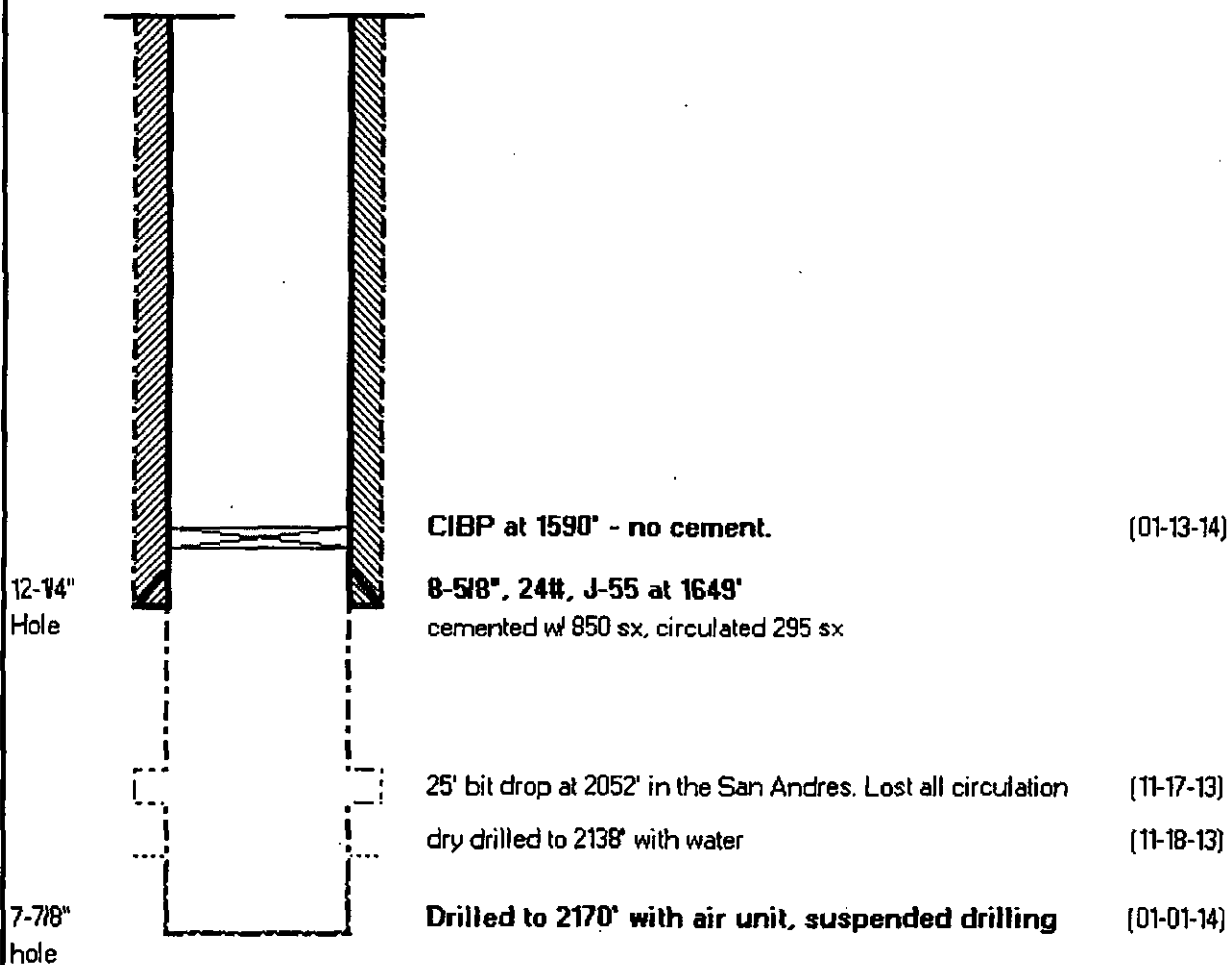
TA - CO2 Supply Well

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 @ 1590'

TD @ 2170'



Whiting Petroleum Corporation

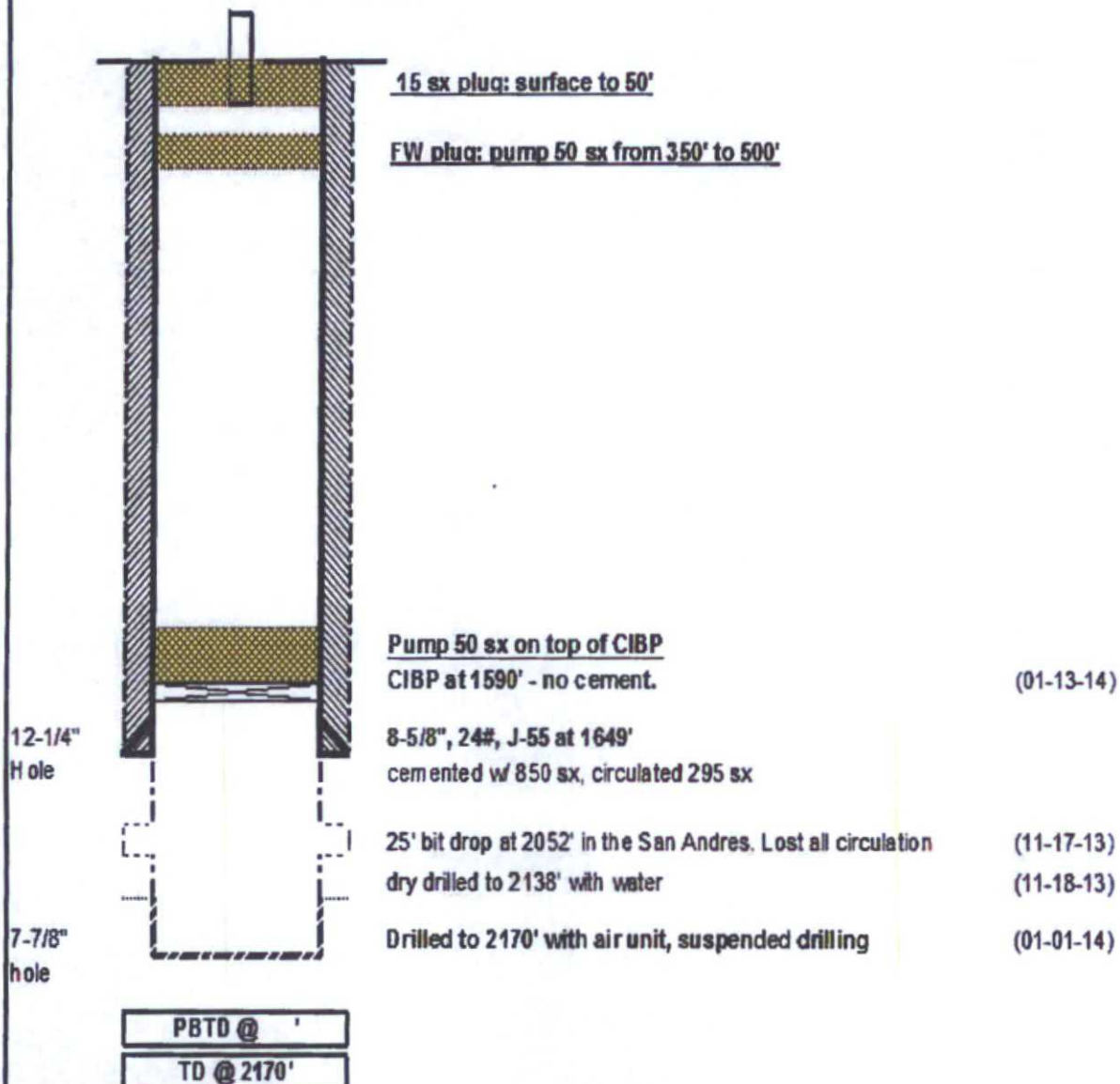
Proposed P&A

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
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Phone (575) 748-1283 Fax: (575) 748-9720**District III**1000 Rio Brazos Rd., Aztec, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170**District IV**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 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 |
|-----------------------------------|-------|

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

| |
|--|
| |
|--|

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.

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 |

OIL CONSERVATION DIVISION