

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

<b>SUNDRY NOTICES AND REPORTS ON WELLS</b> (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. 30-021-20637
1. Type of Well: Oil Well <input type="checkbox"/> Gas Well <input checked="" type="checkbox"/> Other		5. Indicate Type of Lease STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>
2. Name of Operator WHITING OIL AND GAS CORPORATION		6. State Oil & Gas Lease No. 313934
3. Address of Operator 400 W ILLINOIS STE 1300 MIDLAND, TX 79701		7. Lease Name or Unit Agreement Name GALVESTON 2028 29
4. Well Location Unit Letter J 1659 feet from the SOUTH line and 1749 feet from the EAST line Section 29 Township 20N Range 28E NMPM County HARDING		8. Well Number 01
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 5526' 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

<b>NOTICE OF INTENTION TO:</b> PERFORM REMEDIAL WORK <input type="checkbox"/> PLUG AND ABANDON <input checked="" type="checkbox"/> TEMPORARILY ABANDON <input type="checkbox"/> CHANGE PLANS <input type="checkbox"/> PULL OR ALTER CASING <input type="checkbox"/> MULTIPLE COMPL <input type="checkbox"/> DOWNHOLE COMMINGLE <input type="checkbox"/> CLOSED-LOOP SYSTEM <input type="checkbox"/> OTHER: <input type="checkbox"/>		<b>SUBSEQUENT REPORT OF:</b> REMEDIAL WORK <input type="checkbox"/> ALTERING CASING <input type="checkbox"/> COMMENCE DRILLING OPNS. <input type="checkbox"/> P AND A <input type="checkbox"/> CASING/CEMENT JOB <input type="checkbox"/>	
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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](mailto: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):



\* EXP \*

30-021-20637

Galveston 2028 #291 P&A

### RECOMMENDED COMPLETION

Date December 8, 2015

Lease Galveston 2028-29 Well No #1 WOG GWI 100.00 % (87.5 % NWI)  
 Pool Bravo Dome, West County Harding State NM API # 30 - 021 - 20637  
 Legal Location: 1659' FSL, 1749' FEL, Sec 29, T - 20 - N, R - 28 - E  
 Completion Date 03-05-15 @ T. D. 2,890' I. P. / AOF: 110 mcf and 12 BW  
 Water        Hrs 24 flowing, Present T. D. 2765' Elevation 5526' GL KB = 5532'

#### DESCRIPTION OF PROSPECTIVE OR PAY ZONES

Name or Type of Zone	Top	Bottom	Remarks
<u>Santa Rosa</u>	<u>1397'</u>	<u>1746'</u>	<u>Regional CO2 Production Interval</u>
<u>San Andres / Glorieta</u>	<u>1865'</u>	<u>2234'</u>	<u>Lost Circulation Interval</u>
<u>Tubb sand</u>	<u>2653'</u>	<u>2703'</u>	<u>Proposed CO2 Production Interval</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>724'</u>	<u>450</u>	<u>12-1/4"</u>	<u>      </u>	<u>Cement circulated</u>
<u>5-1/2"</u>	<u>15.5#</u>	<u>J-55</u>	<u>2830'</u>	<u>625</u>	<u>8-3/4"</u>	<u>2670' - 2729'</u>	<u>TOC @ 108' by CBL</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>08-26-14</u>	<u>init.</u>	<u>Gabbro completion</u>	<u>( 6' )</u>	<u>      </u>	<u>none</u>	<u>2723'</u>	<u>2729'</u>	<u>21 mcfpd @ 50#</u>	<u>24F</u>	<u>      </u>
<u>10-21-14</u>	<u>Gabbro frac,</u>	<u>46 tons CO2</u>	<u>650 CO2</u>	<u>31K#/13Kg</u>	<u>2723'</u>	<u>2729'</u>	<u>0 mcf @ 655 psi</u>	<u>24F</u>	<u>      </u>	<u>      </u>
<u>12-04-14</u>	<u>perf Tubb,</u>	<u>acid</u>	<u>15% HCl</u>	<u>750 gals</u>	<u>2670'</u>	<u>2682'</u>	<u>0 mcf @ 620 psi</u>	<u>24F</u>	<u>      </u>	<u>      </u>
<u>02-09-15</u>	<u>Tubb frac,</u>	<u>30 tons CO2</u>	<u>650 CO2</u>	<u>36K#/ 9Kg</u>	<u>2670'</u>	<u>2682'</u>	<u>110 mcf, 12 BW</u>	<u>24F</u>	<u>      </u>	<u>      </u>

CUM. Prod.        MMCF,        MBW

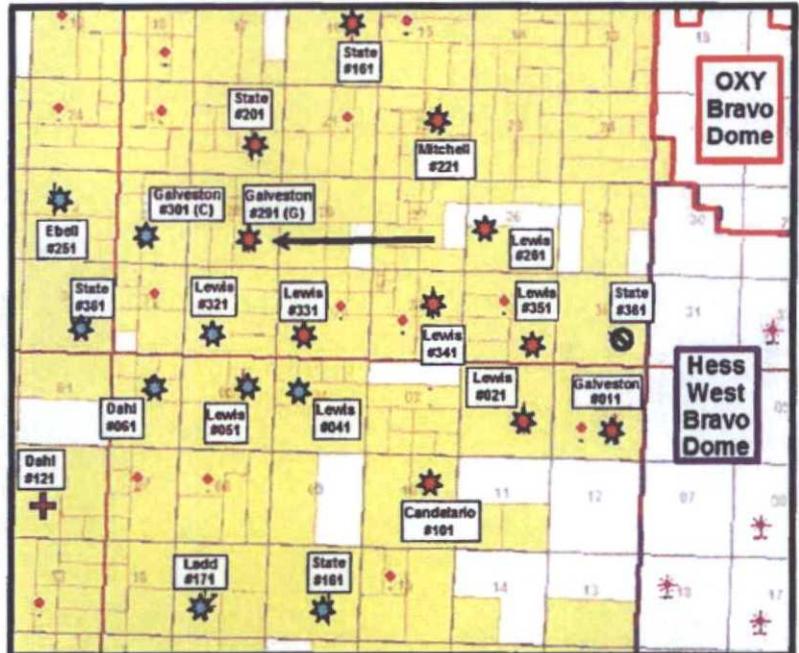
as of:       

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 Tubb sand in this well was thin, but good quality and had very high pressure. A porous/ fractured Gabbro zone was also tested and commingled. However, the limited gas production did not justify running a long flowline to the well.



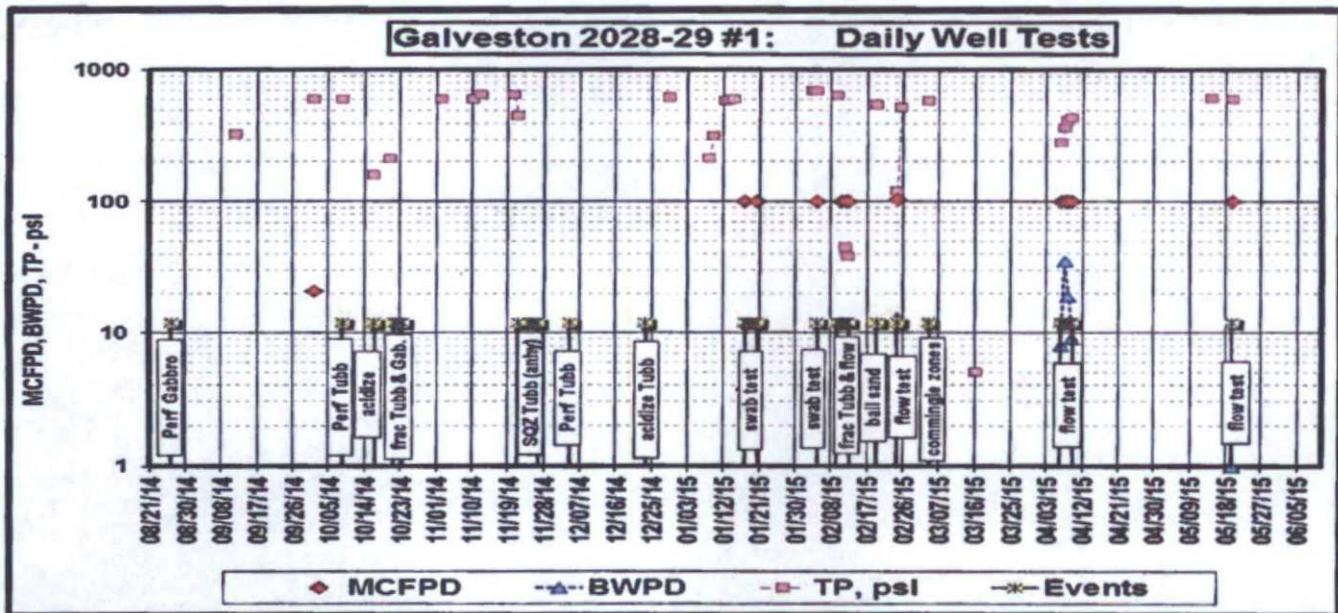
Robert McNaughton

## Objective: Plug and Abandon

### Basic Procedure:

Renegade ran a CBL on 08-20-14: TOC @ 108' and good bond across the pay (circulated, but fell back). A The Gabbro was completed initially and had good pressure but was very tight. The initial Tubb perms were found to be shot 40' too high based on tracer and casing inspection logs, and were squeezed off. The Tubb was reperfed separately and fraced. Surface pressures have reached up to 690 psi and BHP was measured at 820 psi. Last well work was in February 2015 (swabbing) and rig anchor tests should be current.

- Bleed of pressure and kill well with 10 PPG salt gel mud.
- Set a 5-1/2" CIBP @ 2600' and cap with 35'+ cement by bailer.
- 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 fill the casing to surface with cement.
- Shoot SQZ perms at 50' if directed. Pump 20 sx and fill the casing and annulus 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



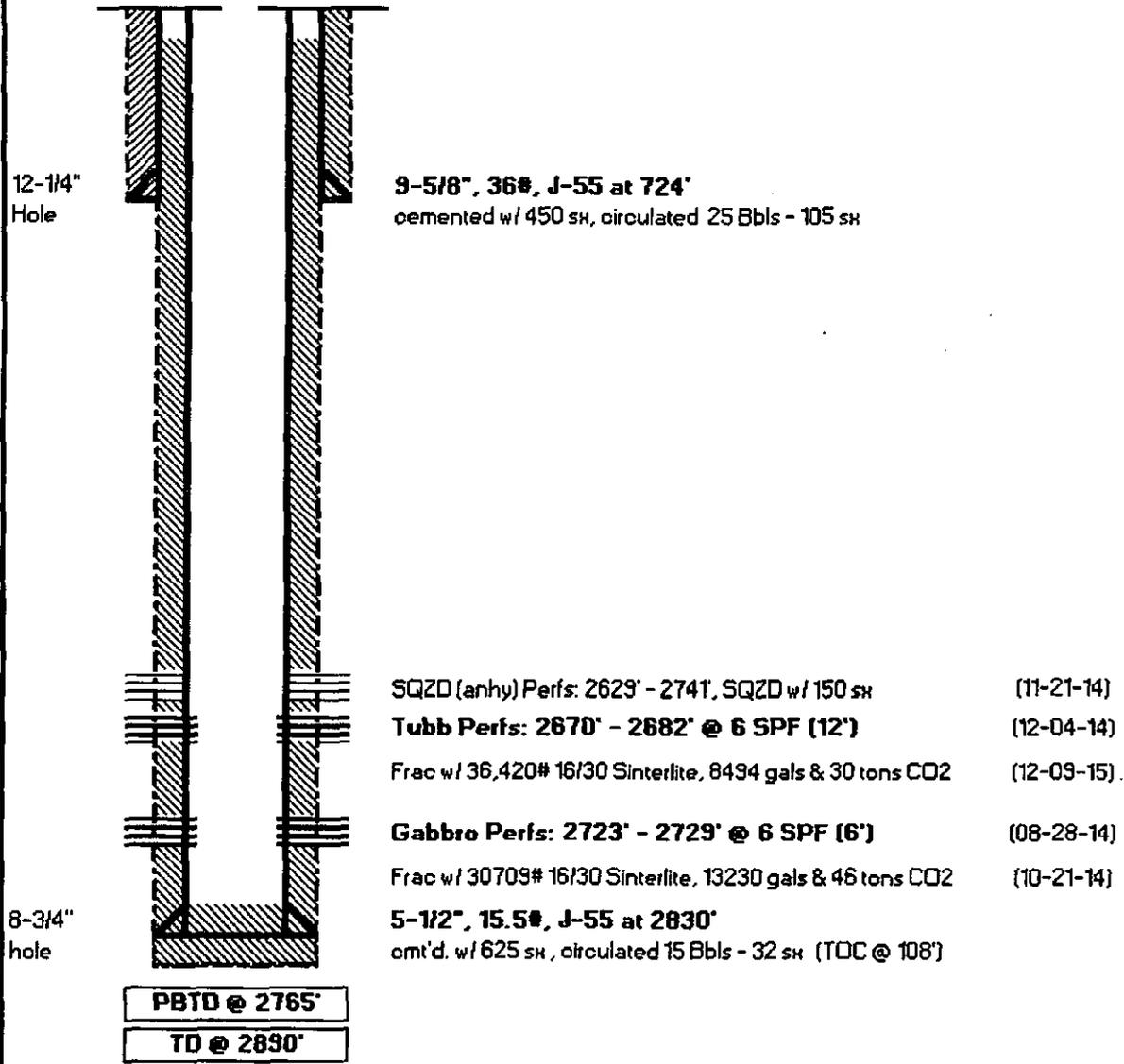


**CO2 Supply Well**

<b>FIELD:</b> Bravo Dome, 640 Tubb	<b>DATE:</b> Feb. 17, 2015
<b>LEASE:</b> <u>Galveston 2028</u>	<b>BY:</b> RTM
<b>COUNTY:</b> Harding	<b>WELL:</b> <u>#291</u>
	<b>STATE:</b> New Mexico

Location: 1659' FSL & 1749' FEL Sec. 29 - T 20 N - R 28 E  
 Spud: 08/04/2014 Completed: 03/05/2015  
 Current Status: gas producer - SI waiting on pipeline  
 Formation: Tubb (CO2)

**KB = 5,532'**  
**GL = 5,526'**  
**API = 30-021-20637**





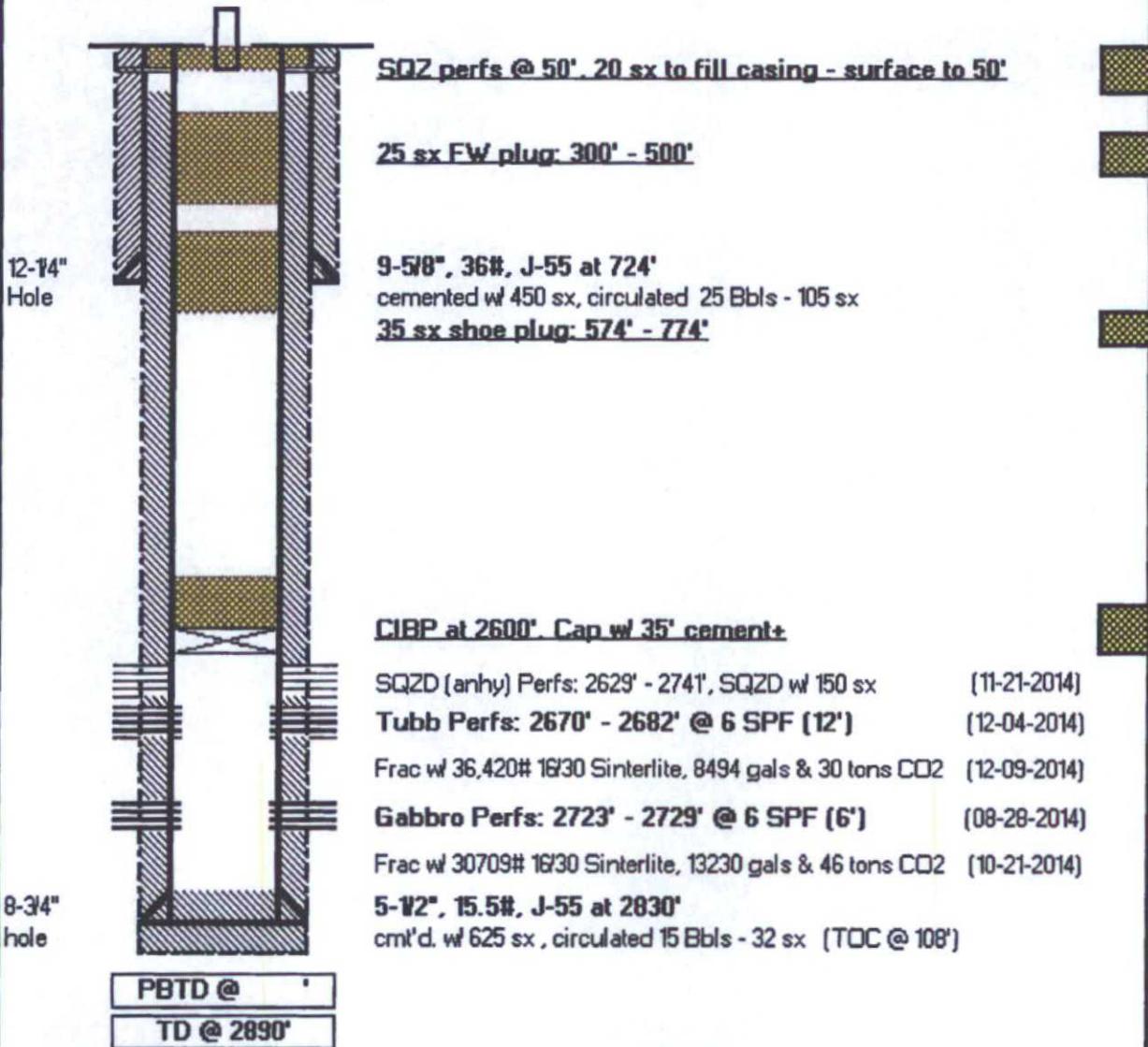
**Proposed P&A**

**FIELD:** Bravo Dome, 640 Tubb  
**LEASE:** Galveston 2028-29  
**COUNTY:** Harding

**DATE:** Nov. 20, 2015  
**BY:** RTM  
**WELL:** #1  
**STATE:** New Mexico

Location: 1659' FSL & 1749' FEL Sec. 29 - T 20 N - R 28 E  
 Spud: 08/04/2014 Completed: 03/05/2015  
 Current Status: SI - uneconomical  
 Formation: Tubb (CO2)

**KB =** 5,532'  
**GL =** 5,526'  
**API =** 30-021-20637



**District I**  
 1825 N. French Dr., Hobbs, NM 88240  
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 811 S. First St., Artesia, NM 88210  
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**District III**  
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 Phone (505) 334-8178 Fax (505) 334-8170  
**District IV**  
 1220 S. St Francis Dr., Santa Fe, NM 87505  
 Phone (505) 478-3470 Fax (505) 478-3482

**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 187681

**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
4. Property Code 313934		3. API Number 30-021-20637
5. Property Name GALVESTON 2028 2A		6. Well No. 1

**7. Surface Location**

UL - Lot	J	Section	29	Township	20N	Range	28E	Lot Idn		Feet From	1659	N/S Line	S	Feet From	1749	E/W Line	E	County	Harding
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**8. Proposed Bottom Hole Location**

UL - Lot	J	Section	29	Township	20N	Range	28E	Lot Idn	J	Feet From	1659	N/S Line	S	Feet From	1749	E/W Line	E	County	Harding
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**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 CO2	13. Cable/Rotary	14. Lease Type Private	15. Ground Level Elevation 5526
16. Multiple N	17. Proposed Depth 3800	18. Formation Tubb	19. Contractor	20. Spud Date 7/2/2014
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/ft	Setting Depth	Sacks of Cement	Estimated TOC
Surf	12.25	9.625	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 <input checked="" type="checkbox"/> and/or 19.15.14.9 (B) NMAC <input checked="" type="checkbox"/> if applicable.	<b>OIL CONSERVATION DIVISION</b>	
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: 6/23/2014
	Date: 6/13/2014	Expiration Date: 6/23/2018
	Phone: 432-686-6709	Conditions of Approval Attached