

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

<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. 30-021-20595
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. 40243
3. Address of Operator 400 W ILLINOIS STE 1300 MIDLAND, TX 79701		7. Lease Name or Unit Agreement Name MAES 2131 18
4. Well Location Unit Letter G 1650 feet from the NORTH line and 1650 feet from the EAST line Section 18 Township 21N Range 31E NMPM County HARDING		8. Well Number 01
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 4807' GR		9. OGRID Number 25078
		10. Pool name or Wildcat WILDCAT; SANTA ROSA (GAS)

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: 12/07/2015

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

*DOT IV*

DATE

*12/28/15*

Conditions of Approval (if any):



\* EXP \*

30-021-20595

Maes 2131 #18-1 P&amp;A

## RECOMMENDED REMEDIAL WORK

Date December 7, 2015

Lease Maes 2131-18 Well No #1 WOG GW 100.00 % (85.00 % NWI)  
 Pool Bravo Dome, Bueyeros County Harding State NM API # 30 - 021 - 20595  
 Legal Location: 1650' FNL, 1650' FEL, Sec 18, T - 21 - N, R - 31 - E  
 Completion Date 06-04-14 @ T. D. 1,460' I. P. / AOF: 0 mcfpd, 0 bwpd  
 Water        Hrs 24 flowing, Present T. D. 1383' Elevation 4807' GL KB = 4813'

## DESCRIPTION OF PROSPECTIVE OR PAY ZONES

Name or Type of Zone	Top	Bottom	Remarks
<u>Santa Rosa</u>	<u>912'</u>	<u>1280'</u>	<u>Proposed CO2 Production Interval</u>
<u>San Andres / Glorieta</u>	<u>1418'</u>	<u>      </u>	<u>Lost Circulation Interval</u>
<u>Tubb sand</u>	<u>NDE</u>	<u>      </u>	<u>Primary Regional 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>713'</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>1431'</u>	<u>370</u>	<u>7-7/8"</u>	<u>1000'-1050'</u>	<u>TOC @ 34' by CBL</u>

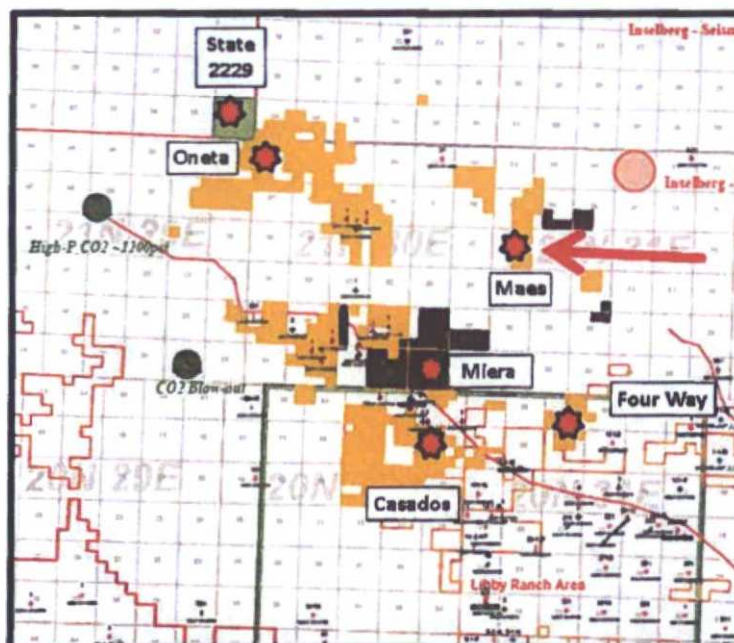
## COMPLETION AND REMEDIAL WORK RECORD

Production Test Before					Treatment		Production Test After				
Date	Gas @ psi	water	Hrs	Type	Amount	From To	Gas @ psi	water	Hrs		
<u>02-26-14</u>	<u>Santa Rosa completion 1</u>	<u>      </u>	<u>      </u>	<u>      </u>	<u>none</u>	<u>1204' 1224'</u>	<u>0</u>	<u>0</u>	<u>24F</u>		
<u>03-11-14</u>	<u>Santa Rosa completion 2</u>	<u>nitrogen</u>	<u>      </u>	<u>      </u>	<u>1705 psi</u>	<u>1130' 1150'</u>	<u>0</u>	<u>0</u>	<u>24F</u>		
<u>03-12-14</u>	<u>Santa Rosa completion 2</u>	<u>gas guns</u>	<u>20'</u>	<u>      </u>	<u>      </u>	<u>1130' 1150'</u>	<u>0</u>	<u>0</u>	<u>24F</u>		
<u>03-19-14</u>	<u>Santa Rosa completion 2</u>	<u>3011 gal, 113 MSCF N2</u>	<u>      </u>	<u>      </u>	<u>      </u>	<u>1130' 1150'</u>	<u>0</u>	<u>0</u>	<u>24F</u>		
<u>03-25-14</u>	<u>Santa Rosa completion 3</u>	<u>3000 gal 100 MSCF N2</u>	<u>      </u>	<u>      </u>	<u>      </u>	<u>1000' 1050'</u>	<u>0</u>	<u>0</u>	<u>24F</u>		
<u>06-04-14</u>	<u>Santa Rosa 3 CO2 frac</u>	<u>13K gals, 30K# 16/30</u>	<u>      </u>	<u>      </u>	<u>      </u>	<u>1000' 1050'</u>	<u>0 mcfpd</u>	<u>0</u>	<u>24F</u>		
<u>      </u>	<u>      </u>	<u>      </u>	<u>      </u>	<u>      </u>	<u>      </u>	<u>      </u>	<u>      </u>	<u>      </u>	<u>      </u>	<u>F</u>	

CUM. Prod.        MMCF,        MBWas of:       Last Test:        MCFPD        BWPDDate:       

## Reasons for Plug and Abandonment:

This is a new well inside the old Bueyeros Santa Rosa field that produced in the 30s and 40s. Reservoir pressures are too low for commercial production and the pay sands are insufficiently developed.

Robert McNaughton       

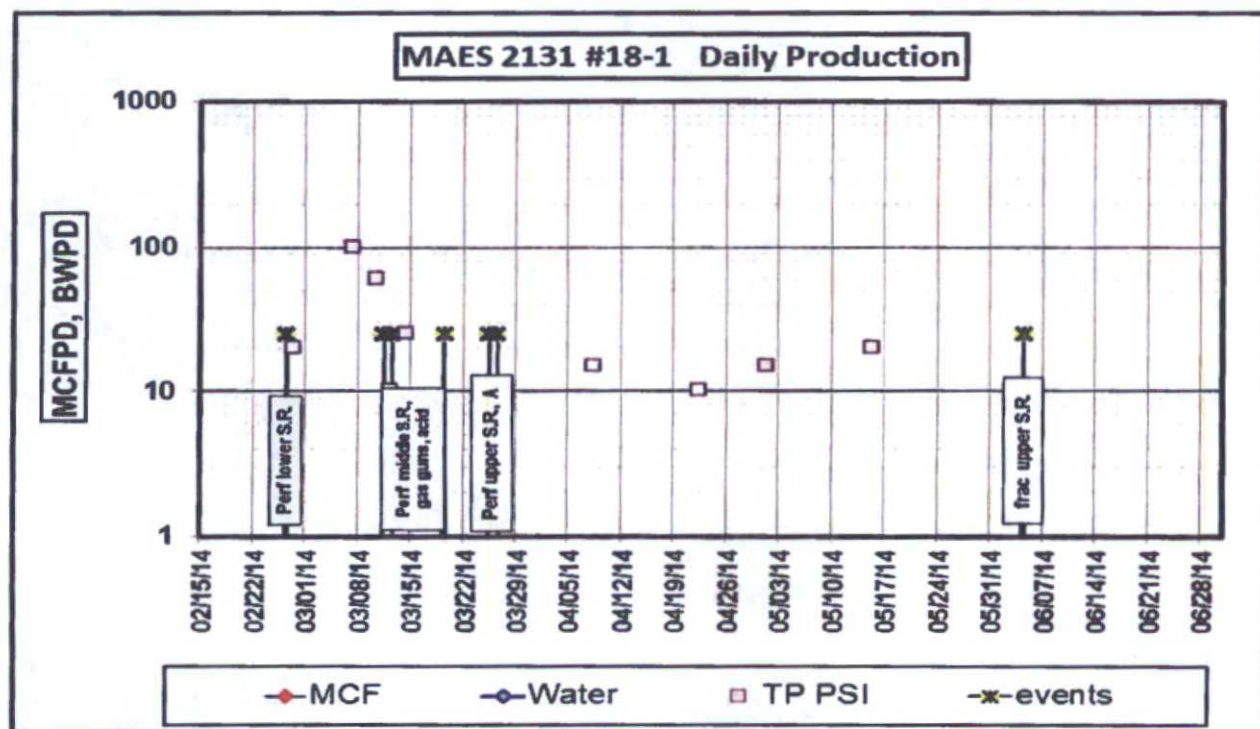
## Objective: Plug and Abandon

### Basic Procedure:

CBL ran on 02-18-14. TOC @ 34', had good bond throughout the pay zone.

Last well work was June 2014 – rig anchor tests should be current.

- Set a 5-1/2" CIBP @ 950' and cap with 35'+ cement by bailer.
- Load hole w/ 10 PPG salt gel mud.
- Dig out the 8-5/8" casing and check the annulus for any pressure.
- Fill 5-1/2" casing with 85 sx from 763' to the surface.
- 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.





Whiting Petroleum Corporation

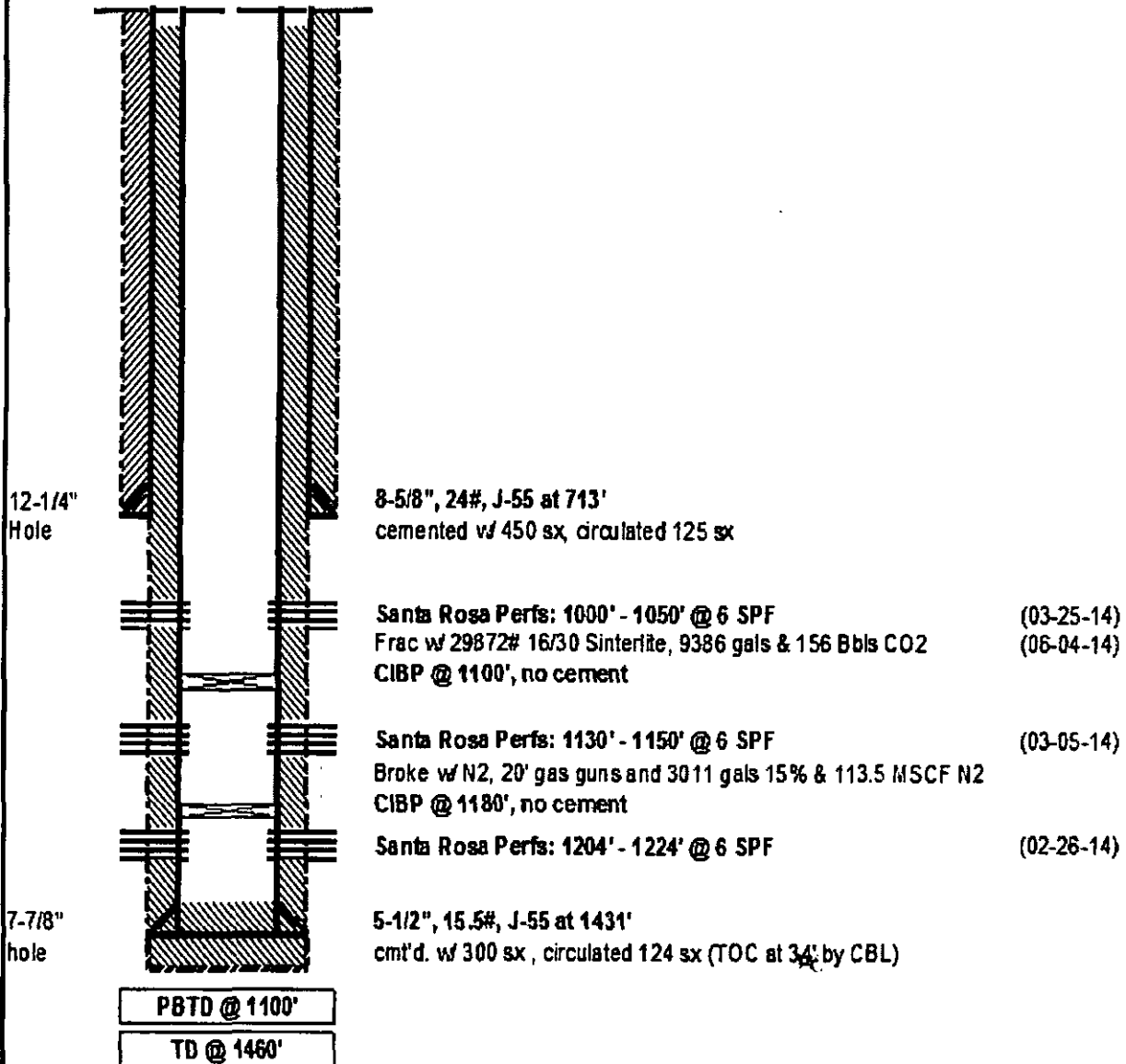
## CO2 Supply Well

FIELD: Bravo Dome, Bueyeros  
 LEASE: Maes 2131-18  
 COUNTY: Harding

DATE: Jun. 30, 2014  
 BY: RTM  
 WELL: #1  
 STATE: New Mexico

Location: 1650' FNL & 1650' FEL Sec. 18 - T 21 N - R 31 E  
 SPUD: 01/30/2014 Completed: 06/04/2014  
 CURRENT STATUS: CO2 producer, SI  
 Formation: Santa Rosa (CO2)

KB = 4,813'  
 GL = 4,807'  
 API = 30-021-20595







Whiting Petroleum Corporation

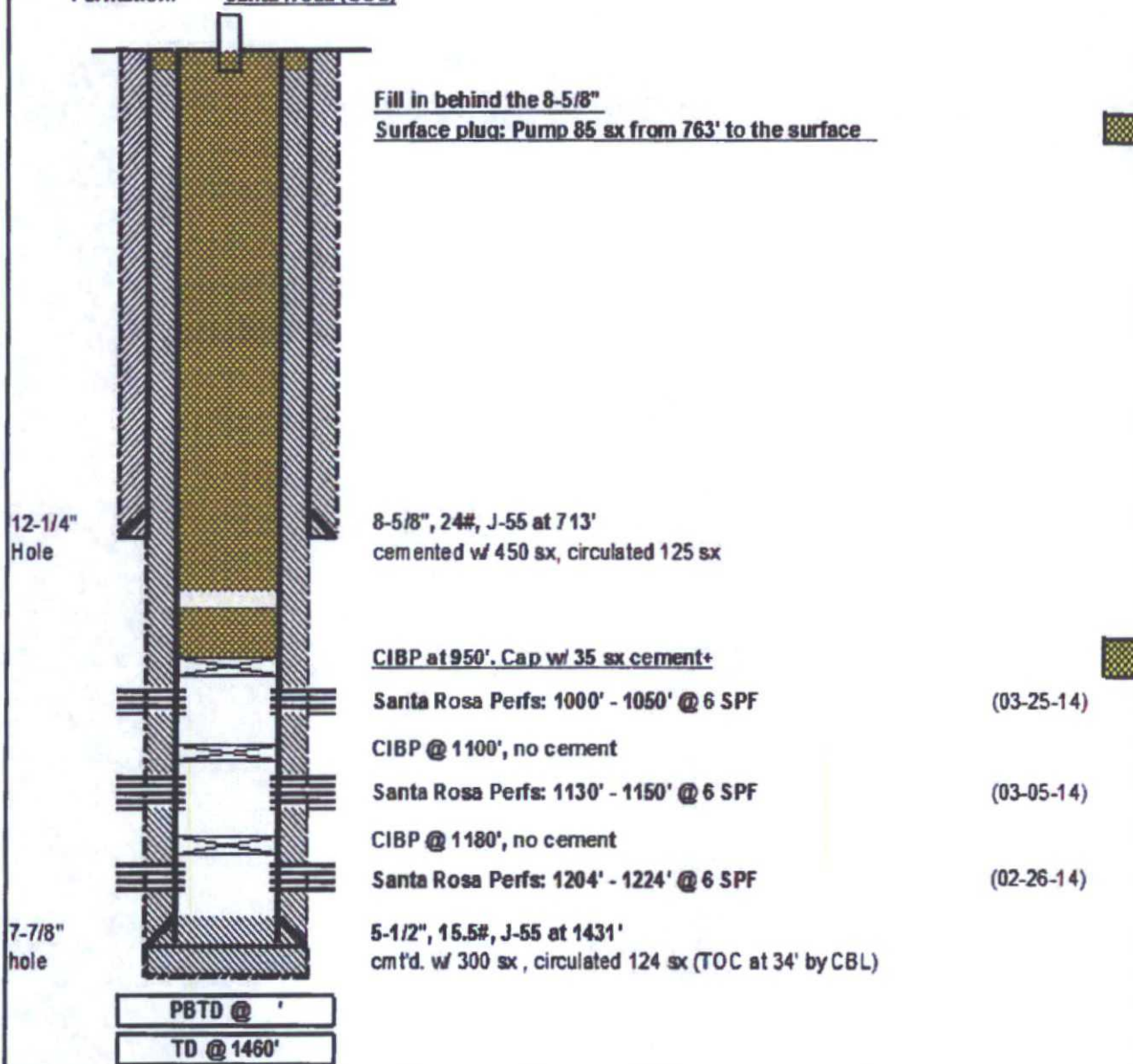
## Proposed P&amp;A

FIELD: Bravo Dome, Bueyeros  
 LEASE: **Maes 2131-18**  
 COUNTY: Harding

DATE: Nov. 02, 2015  
 BY: RTM  
 WELL: **#1**  
 STATE: New Mexico

Location: 1650' FNL & 1650' FEL Sec. 18 - T 21 N - R 31 E  
 SPUD: 01/30/2014 Completed: 06/04/2014  
 CURRENT STATUS: SI - uneconomical  
 Formation: Santa Rosa (CO2)

KB = 4,813'  
 GL = 4,807'  
 API = 30-021-20595



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1825 N. French Dr., Hobbs, NM 88240  
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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 177114

**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 40243		3. API Number 30-021-20595
5. Property Name MAES 2131 18		6. Well No 1

**7. Surface Location**

UL - Lot G	Section 18	Township 21N	Range 31E	Lot Idn	Feet From 1650	N/S Line N	Feet From 1650	E/W Line E	County Harding
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**8. Proposed Bottom Hole Location**

UL - Lot G	Section 18	Township 21N	Range 31E	Lot Idn G	Feet From 1650	N/S Line N	Feet From 1650	E/W Line E	County Harding
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**9. Pool Information**

WILDCAT; SANTA ROSA (GAS)	96305
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**Additional Well Information**

11. Work Type New Well	12. Well Type CO2	13. Casing/Rotary	14. Lease Type Private	15. Ground Level Elevation 4807
16. Multiple N	17. Proposed Depth 1850	18. Formation Triassic Age Rocks-Undivided	19. Contractor	20. Spud Date 12/15/2013
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	Setting Depth	Sacks of Cement	Estimated TOC
Surf	12.25	8.625	24	700	450	
Prod	7.875	5.5	15.5	1850	600	

**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 18.15.14.9 (A) NMAC <input checked="" type="checkbox"/> and/or 18.15.14.9 (B) NMAC <input checked="" type="checkbox"/> , if applicable.		<b>OIL CONSERVATION DIVISION</b>	
Signature:			
Printed Name:	Electronically filed by Kay Maddox	Approved By:	Ed Martin
Title:	Regulatory Agent	Title:	District Supervisor
Email Address:	kay.maddox@whiting.com	Approved Date:	11/22/2013
Date:	11/21/2013	Phone:	432-688-8709
		Expiration Date:	11/22/2015
Conditions of Approval Attached			