

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. 30-021-20597
1. Type of Well: Oil Well <input type="checkbox"/> Gas Well <input checked="" type="checkbox"/> Other <input type="checkbox"/>		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. 40301
3. Address of Operator 400 W ILLINOIS STE 1300 MIDLAND, TX 79701		7. Lease Name or Unit Agreement Name LADD 1928 17
4. Well Location Unit Letter K 1660 feet from the SOUTH line and 1660 feet from the WEST line Section 17 Township 19N Range 28E NMPM County HARDING		8. Well Number 01
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 5550' GR		9. OGRID Number 25078
		10. Pool name or Wildcat BRAVO DOME CARBON DIOXIDE GAS 640

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](mailto:kay.Maddox@Whiting.com) PHONE: 432-638-8475

For State Use Only

APPROVED BY:

*Will Jones*

TITLE

*DBS IV*

DATE

*12/22/15*

Conditions of Approval (if any):



\* EXP \*

30-021-20597

Ladd 1928 #17-1 P&amp;A

## RECOMMENDED REMEDIAL WORK

Lease Ladd 1928-17 Well No #1 WOG GW 100.00 % (87.5 % NWI)  
 Pool Bravo Dome, West County Harding State NM API # 30 - 021 - 20597  
 Legal Location: 1660' FSL, 1660' FWL, Sec 17, T - 19 - N, R - 28 - E  
 Completion Date 06-03-14 @ T. D. 2,975' I. P. / AOF: 0 MCFPD, 195 BW swabbing  
 Water 195 Hrs 24 swabbing, Present T. D. 2,920' Elevation 5550' GL KB = 5556'

## DESCRIPTION OF PROSPECTIVE OR PAY ZONES

Name or Type of Zone	Top	Bottom	Remarks
<u>Santa Rosa</u>	<u>1439'</u>	<u>1811'</u>	<u>Regional CO2 Production Interval</u>
<u>San Andres / Glorieta</u>	<u>1919'</u>	<u>2276'</u>	<u>Lost Circulation Interval</u>
<u>Tubb sand</u>	<u>2703'</u>	<u>2784'</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>717'</u>	<u>350</u>	<u>12-1/4"</u>		<u>Cement circulated</u>
<u>7"</u>	<u>20#</u>	<u>J-55</u>	<u>2112'</u>	<u>290</u>	<u>7-7/8"</u>		<u>TOC @ 350' by calc.</u>
<u>5-1/2"</u>	<u>15.5#</u>	<u>J-55</u>	<u>2963'</u>	<u>200</u>	<u>6-1/4"</u>	<u>2726' - 2784'</u>	<u>TOC @ 196' 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>03-28-14</u>	<u>init. Tubb completion</u>				<u>(46')</u>	<u>none</u>	<u>2726' 2784'</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>24F</u>
<u>04-15-14</u>	<u>init. Tubb completion</u>				<u>blow down w/ N2</u>		<u>2726' 2784'</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>24F</u>
<u>06-03-14</u>	<u>init. Tubb completion</u>				<u>650 CO2</u>	<u>54K#/14Kg</u>	<u>2726' 2784'</u>	<u>0 mcfpd</u>		<u>0</u>	<u>24F</u>
<u>11-18-14</u>	<u>init. Tubb completion</u>					<u>swab test</u>	<u>2726' 2784'</u>	<u>trace gas, 195 bw</u>			<u>10S</u>
											<u>F</u>

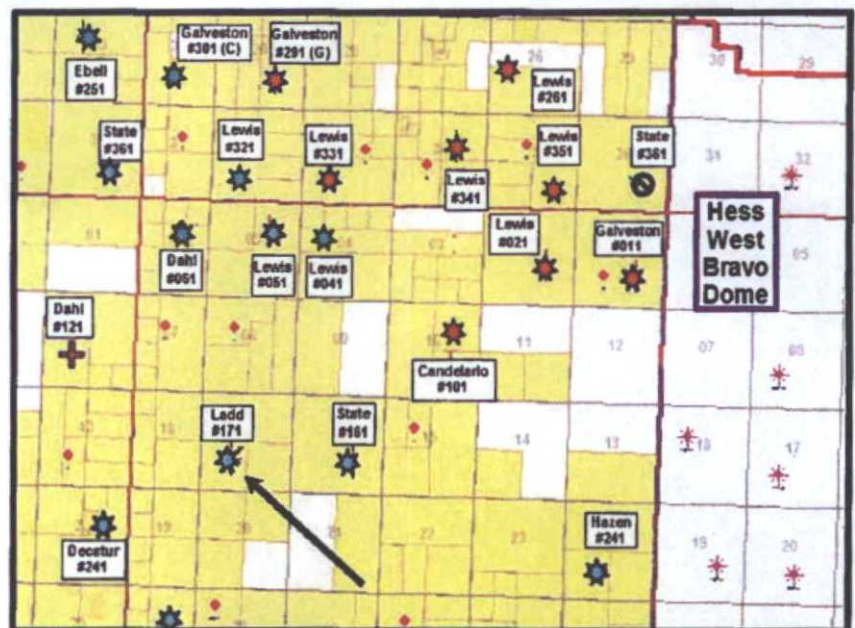
CUM. Prod. MMCF MBW  
 Last Test: MCFPD BWPD

as of: \_\_\_\_\_  
 Date: \_\_\_\_\_

## Reasons for Plug and Abandonment:

This is a wildcat well offset to Hess's West Bravo Dome CO2 Unit and OXys Bravo Dome CO2 Unit. The pay sands are insufficiently developed and often structurally too low to be economical. The Tubb sands in this well were wet and poorly developed.

Robert McNaughton \_\_\_\_\_





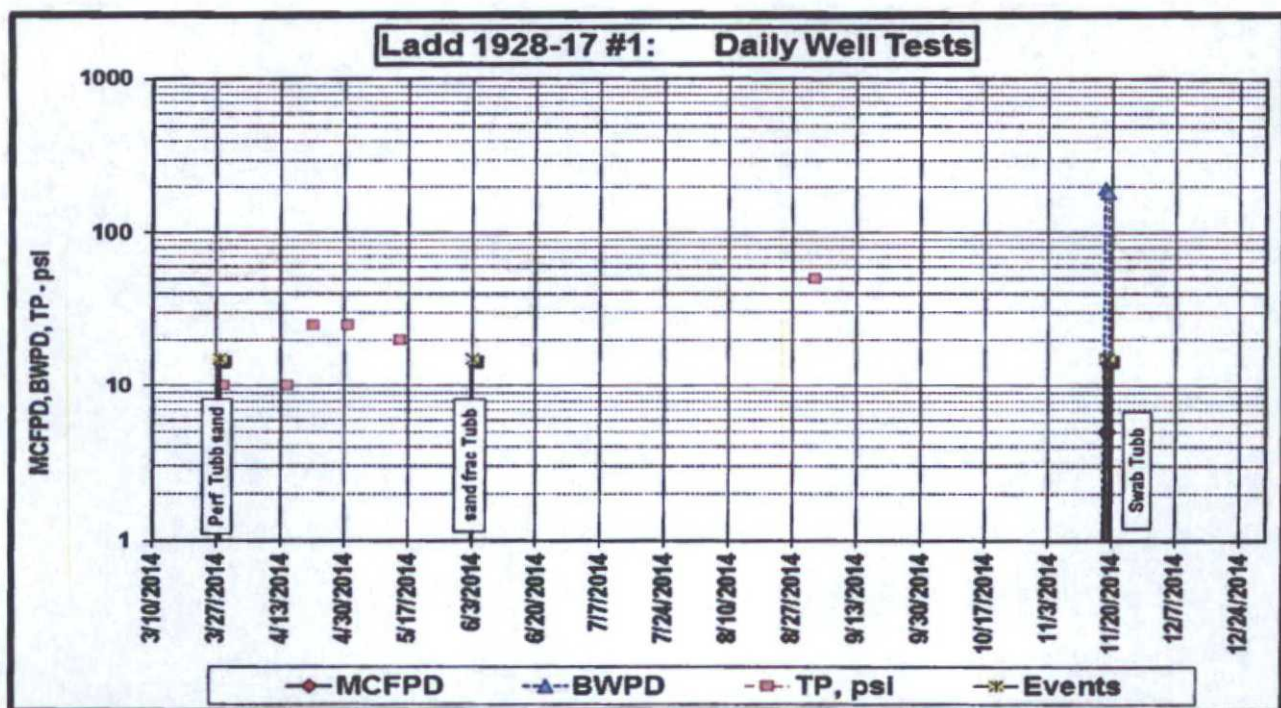
## Objective: Plug and Abandon

### Basic Procedure:

Renegade ran CBL & GR-CNLC logs on 2-12-14 and 2-14-14. TOC is at 196' and had good bond through pay interval. Cement was circulated, but fell back some. Cement top behind the 7" is unknown.

Last well work was November 2014 (swab) – rig anchor tests should be current.

- Set a 5-1/2" CIBP @ 2675' 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.
- If required, pump 30 sx across the 7" shoe.
- Shoot SQZ perfs at 767' and try to pump in. If perfs hold, pump 20 – 25 sx across the surface shoe. If circulation is established, pump 25+ sx in the annulus or as directed. If required, shoot SQZ perfs at ~ 500' (base of fresh water) and pump in. Circulate cement on the annulus as directed and pump 25 sx in the casing. Note: NMOCD may also require SQZ perfs at ~175', pump 50 sx in annulus and fill the casing to the surface.
- Fill in the annulus around the 8-5/8" if not perforated below.
- 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

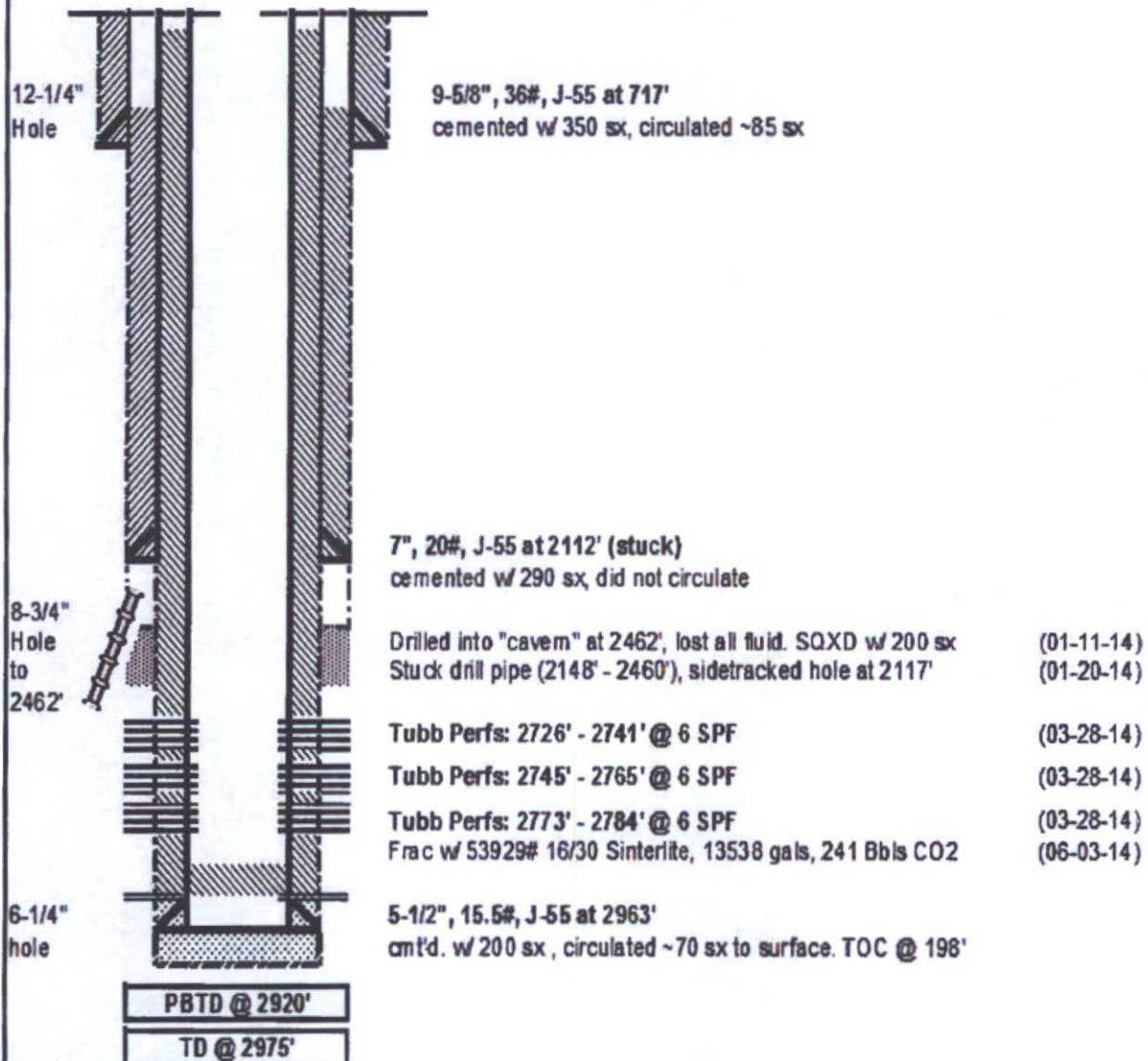
## CO2 Supply Well

FIELD: Bravo Dome, West  
 LEASE: Ladd 1928  
 COUNTY: Harding

DATE: Feb. 07, 2014  
 BY: RTM  
 WELL: #17-1  
 STATE: New Mexico

Location: 1660' FSL & 1660' FWL Sec. 17 - T19N - R28E  
 SPUD: 01/04/2014 Completed: 06/03/2014  
 CURRENT STATUS: Drill & Complete  
 Formation: Tubb (CO2)

KB = 5,556'  
 GL = 5,550'  
 API = 30-021-20597







Whiting Petroleum Corporation

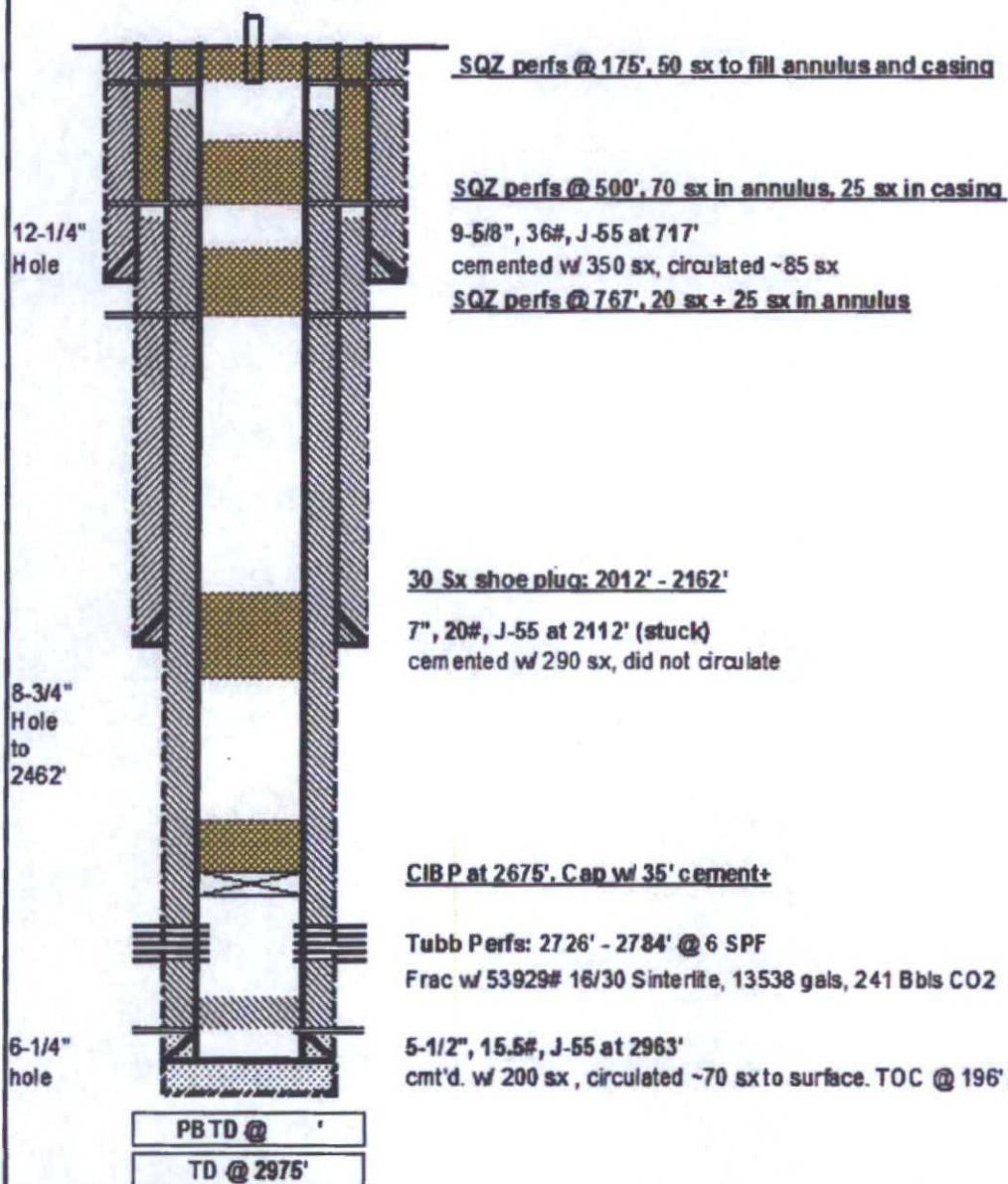
## Proposed P&amp;A

FIELD: Bravo Dome, West  
 LEASE: **Ladd 1928-17**  
 COUNTY: Harding

DATE: Nov. 04, 2015  
 BY: RTM  
 WELL: **#1**  
 STATE: New Mexico

Location: 1660' FSL & 1660' FWL Sec. 17 - T19N- R28E  
 SPUD: 01/04/2014 Completed: 06/03/2014  
 CURRENT STATUS: SI - uneconomical  
 Formation: Tubb (CO2)

KB = 5,556'  
 GL = 5,550'  
 API = 30-021-20597



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**District III**  
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**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: 178714

**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 40301		3 API Number 30-021-20597
5 Property Name LADD 1928 17		6 Well No 1

7. Surface Location																		
UL - Lot	K	Section	17	Township	19N	Range	28E	Lot Idn	Feet From	1660	N/S Line	S	Feet From	1660	E/W Line	W	County	Harding

8. Proposed Bottom Hole Location																			
UL - Lot	K	Section	17	Township	19N	Range	28E	Lot Idn	K	Feet From	1660	N/S Line	S	Feet From	1660	E/W Line	W	County	Harding

9. Pool Information	
BRavo DOME CARBON DIOXIDE GAS 640	96010

Additional Well Information				
11 Well Type New Well	12 Well Type CO2	13 Cable/Rotary	14 Lease Type Private	15 Ground Level Elevation 5550
16 Multiple N	17 Proposed Depth 3500	18 Formation Tubb	19 Contractor	20 Spud Date 12/31/2013
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	Grade of Cement	Estimated TOC
Surf	12.25	9.625	36	700	350	0
Int1	8.75	7	20	2650	450	0
Prod	7.875	5.5	15.5	3500	400	0

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 <input checked="" type="checkbox"/> and/or 19.15.14.9 (B) NMAC <input checked="" type="checkbox"/> if applicable.		<b>OIL CONSERVATION DIVISION</b>	
Signature:		Approved By: Ed Martin	
Printed Name: Electronically filed by Kay Maddox		Title: District Supervisor	
Title: Regulatory Agent		Approved Date: 12/20/2013	
Email Address: kay.maddox@whiting.com		Expiration Date: 12/20/2015	
Date: 12/17/2013	Phone: 432-686-6708	Conditions of Approval Attached	