

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

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.)		WELL API NO. 30-021-20631
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. 313332
3. Address of Operator 400 W ILLINOIS STE 1300 MIDLAND, TX 79701		7. Lease Name or Unit Agreement Name MITCHELL 2028 22
4. Well Location Unit Letter G 1660 feet from the NORTH line and 1750 feet from the EAST line Section 22 Township 20N Range 28E NMPM County HARDING		8. Well Number 01
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 5437' 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

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

DCST IV

DATE

12/28/15

Conditions of Approval (if any):



* EXP *

30-021-20631

Mitchell 2028 #221 P&A

RECOMMENDED REMEDIAL WORKDate December 8, 2015

Lease Mitchell 2028-22 Well No #1 WOG GW1 100.00 % (87.5 % NWI)
 Pool Bravo Dome, West County Harding State NM API # 30 - 021 - 20631
 Legal Location: 1440 FNL, 1750' FEL, Sec 22, T - 20 - N, R - 28 - E
 Completion Date 11-20-14 @ T. D. 2,729' I. P. / AOF: 0 mcfpd, 0 bwpd, 700 psi
 Water Hrs 24 flowing, Present T. D. 2674' Elevation 5437' GL KB = 5418'

DESCRIPTION OF PROSPECTIVE OR PAY ZONES

Name or Type of Zone	Top	Bottom	Remarks
Santa Rosa	1281'	1704'	Regional CO2 Production Interval
San Andres / Glorieta	1853'	2162'	Lost Circulation Interval
Tubb sand	2579'	2619'	Proposed CO2 Production Interval

CASING AND LINER RECORD

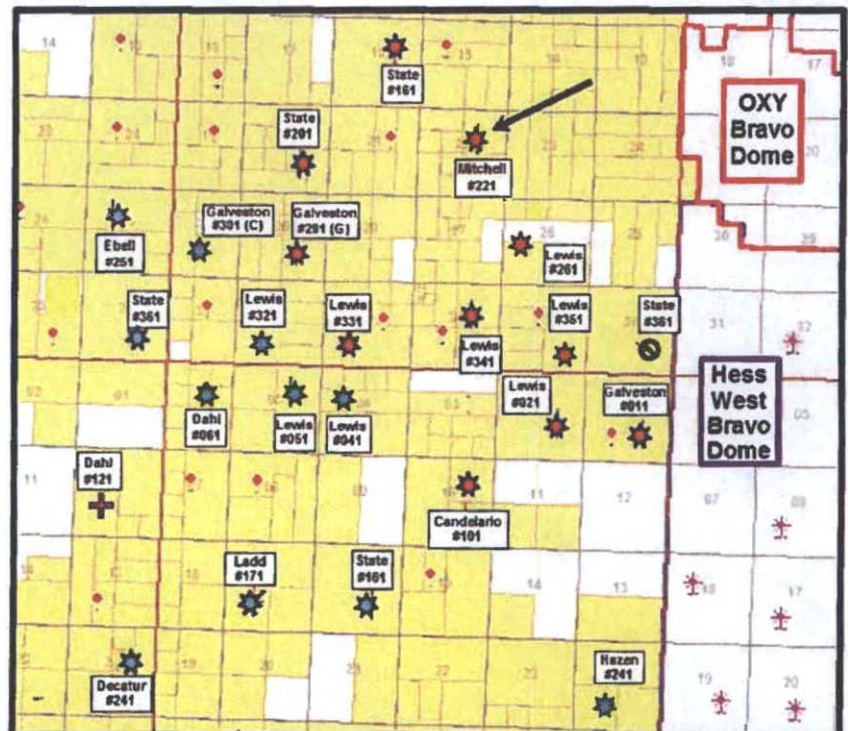
Size	Weight	Grade	Set At	SX CMT	Hole Size	Perf.	Remarks
9-5/8"	36#	J-55	772'	500	12-1/4"		Cement circulated
5-1/2"	15.5#	J-55	2729'	850	8-3/4"	2586' - 2606'	Cement circulated

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	
09-03-14	init.			Tubb completion	(20')	none	2586'	2606'	0 mcf, 700 psi	24F	
09-18-14	Frac			Tubb sand	650 CO2	5K# / 9Kq	2586'	2606'	0 mcf, 720 psi	24F	
11-20-14	Acidize			Tubb sand	15% HCl	750 gals	2586'	2606'	0 mcf, 700 psi	24F	

CUM. Prod. MMCF, MBWas of: Last Test: MCFPD BWPDDate: **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 pay sands are insufficiently developed and often structurally too low to be economical. The Tubb sand in this well was exceptionally poor quality although it had very high reservoir pressure.

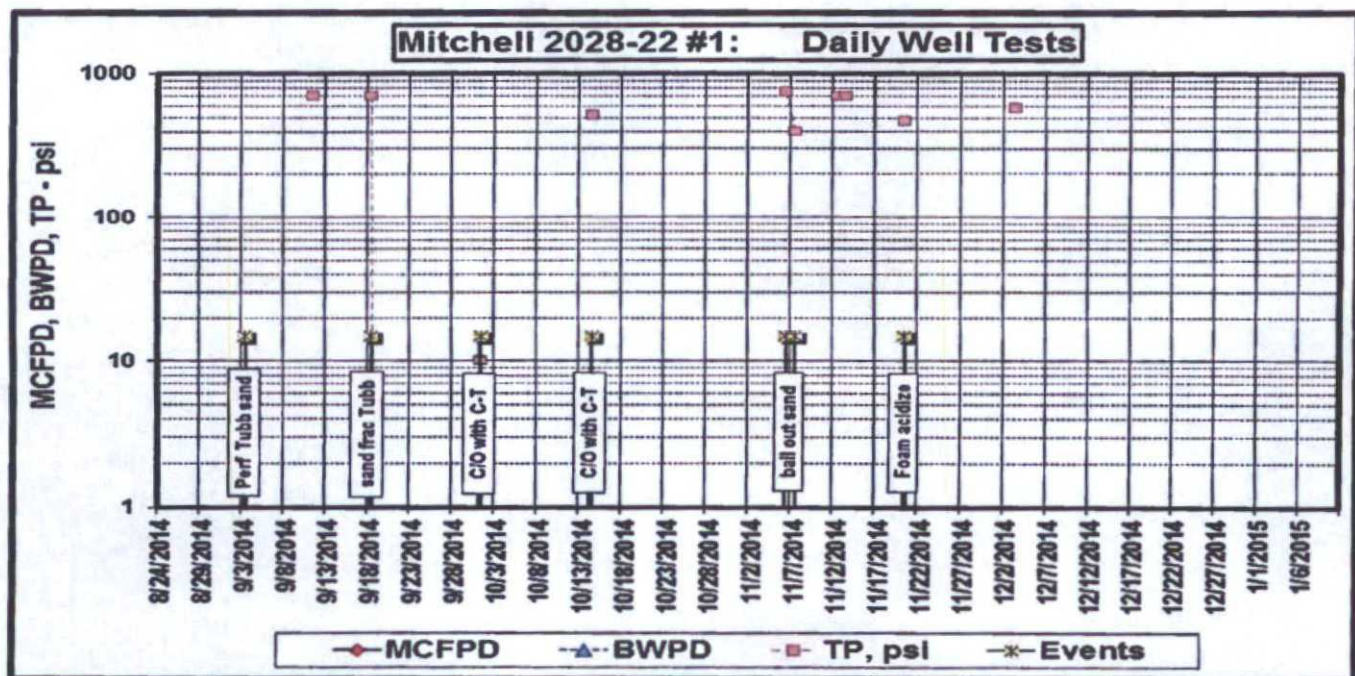
Robert McNaughton 

Objective: Plug and Abandon

Basic Procedure:

Renegade ran a CBL on 09-03-14: TOC is at the surface, had reasonable bond across the pay and fair coverage uphole. A pressure survey run on September 11, 2014 showed 709 psi at the surface and 888 psi on bottom with a FL at 2480'. This well will build up to over 750 psi over a few weeks, but is extremely tight. It may be advisable to load the hole with plugging mud before setting the CIBP. Last rig work was in November 2014 and the anchor tests should be OK.

- Load hole w/ 10 PPG salt gel mud. The Tubb formation is very tight and should hold the fluid column OK.
- Set a 5-1/2" CIBP @ 2535' 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 625' to 825'. Pump a 25 sx FW plug from 300' to 500'. If the NMOCD requires a tag, it may be faster and cheaper to just fill the casing to surface with cement.
- If requested, shoot SQZ perfs at 100'. Pump ~35 sx and fill the annulus and casing to the surface.
- Fill in the annulus around the surface casing 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





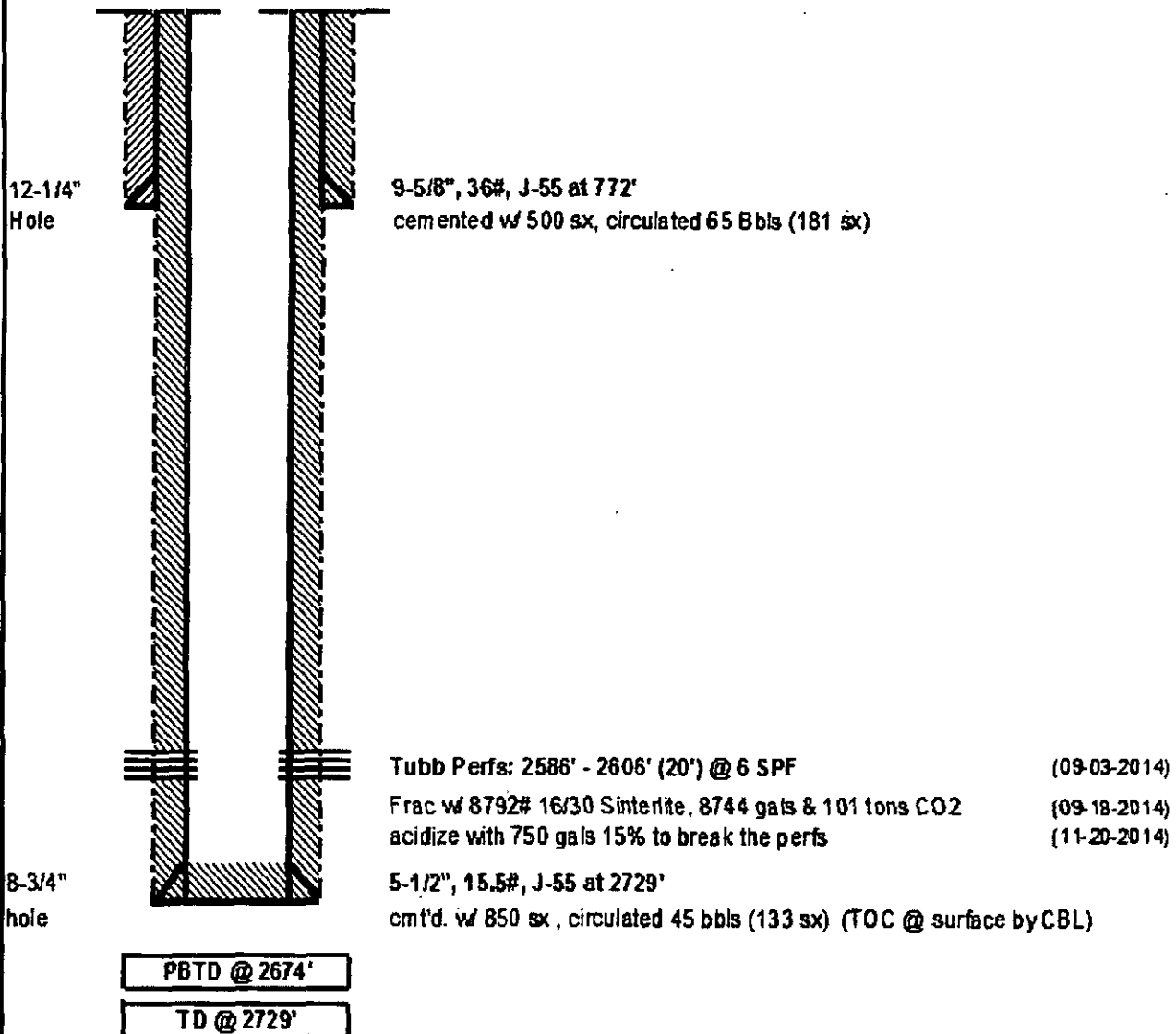
Whiting Petroleum Corporation

CO2 Supply Well

FIELD:	Bravo Dome, 640 Tubb	DATE:	Aug. 28, 2014
LEASE:	<u>Mitchell 2028 - 22</u>	BY:	RTM
COUNTY:	Harding	WELL:	<u>#1</u>
		STATE:	New Mexico

Location: 1660' FNL & 1750' FEL (G) Sec. 22 - T 20 N - R 28 E
SPUD: 08/20/2014 Completed: 11/20/2014
CURRENT STATUS: SI CO2 supply well
Formation: Tubb (CO2)

KB = 5,449'
GL = 5,437'
API = 30-021-20631





Whiting Petroleum Corporation

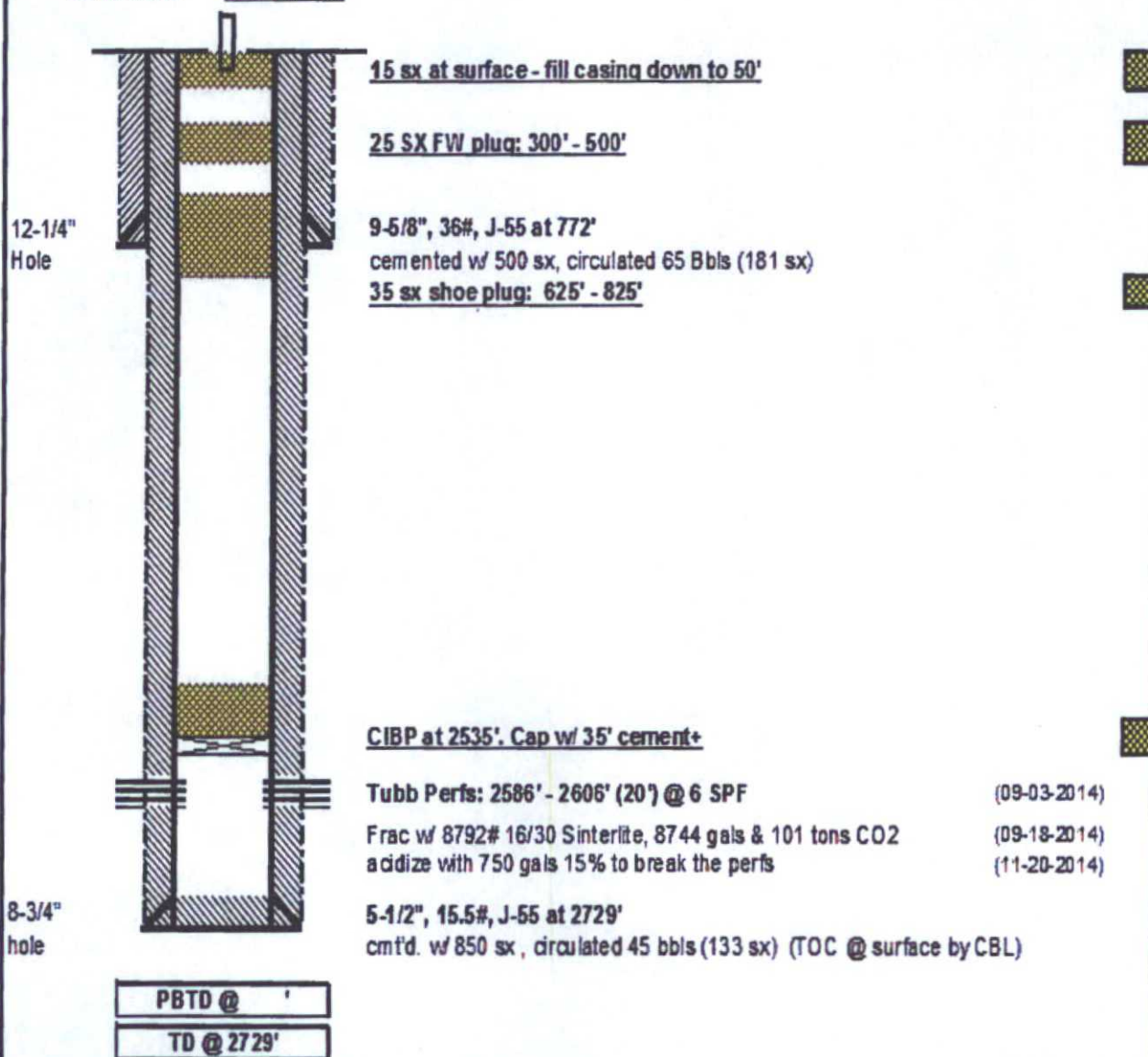
Proposed P&A

FIELD: Bravo Dome, 640 Tubb
 LEASE: Mitchell 2028 - 22
 COUNTY: Harding

DATE: Nov. 13, 2015
 BY: RTM
 WELL: #1
 STATE: New Mexico

Location: 1660' FNL & 1750' FEL (G) Sec. 22 - T 20 N - R 28 E
 SPUD: 08/20/2014 Completed: 11/20/2014
 CURRENT STATUS: SI - uneconomical
 Formation: Tubb (CO2)

KB = 5,449'
 GL = 5,437'
 API = 30-021-20631



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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
Perm-1 186308

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 313332		3. APN Number 30-021-20631
5. Property Name MITCHELL 2028 22		6. Well # 1

7. Surface Location									
UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
G	22	20N	28E		1860	N	1750	E	Harding

8. Proposed Bottom Hole Location									
UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
G	22	20N	28E	G	1860	N	1750	E	Harding

9. Pool Information	
BRAVO DOME CARBON DIOXIDE GAS 840	98010

Additional Well Information				
11. Well Type New Well	12. Well Type CO2	13. Casing/Rotary	14. Lease Type Private	15. Ground Level Elevation 5437
16. Multiple N	17. Proposed Depth 3800	18. Formation Tubb	19. Contractor	20. Spud Date 6/23/2014
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	Motor Size	Casing Size	Casing Weight/ft	Setting Depth	Seals 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

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 BR and/or 19.15.14.9 (B) NMAC BR, if applicable.		OIL CONSERVATION DIVISION	
Signature		Approved By	
Printed Name: Electronically filed by Kay Maddox		Charlie Perrin	
Title: Regulatory Agent		Title: District Supervisor	
Email Address: kay.maddox@whiting.com		Approved Date: 6/5/2014	Expiration Date: 6/5/2016
Date: 5/30/2014	Phone: 432-666-6709	Conditions of Approval Attached	