

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals & Natural Resources

Form C-101
May 27, 2004

Oil Conservation Division
1220 S. St. Francis Dr.
Santa Fe, NM 87505

Submit to appropriate District Office

AUG 30 2007

OCD-ARTESIA

☐ AMENDED REPORT

APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE

¹ Operator Name and Address Nearburg Producing Company 3300 N A St., Bldg 2. Ste 120, Midland, TX 79705		² OGRID Number 015742
		³ API Number 30- 015-28628
⁴ Property Code	⁵ Property Name Osage Boyd 15	⁶ Well No. 4
⁹ Proposed Pool 1 North Seven Rivers; Glorieta/ Yeso		¹⁰ Proposed Pool 2

⁷ Surface Location

UL or lot no.	Section	Township	Range	Lot. Idn	Feet from the	North/South Line	Feet from the	East/West line	County
N	15	19S	25E		660	South	1980	West	Eddy

⁸ Proposed Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot. Idn	Feet from the	North/South Line	Feet from the	East/West line	County

Additional Well Location

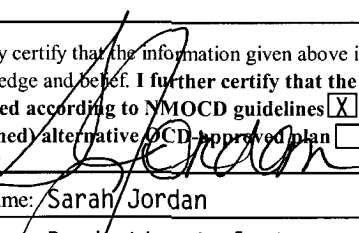
¹¹ Work Type Code Plugback	¹² Well Type Code Oil	¹³ Cable/Rotary	¹⁴ Lease Type Code S	¹⁵ Ground Level Elevation 3459
¹⁶ Multiple	¹⁷ Proposed Depth 8150	¹⁸ Formation GLorieta/ Yeso	¹⁹ Contractor Lucky	²⁰ Spud Date 9/7/07
Depth to ground water		Distance from nearest fresh water well		Distance from nearest surface water
Pit: Liner: Synthetic ☐ _____ mils thick Clay ☐ Pit Volume _____ bbls Drilling Method:				
Closed-Loop System ☐ Fresh Water ☐ Brine ☐ Diesel/Oil-based ☐ Gas/Air ☐				

²¹ Proposed Casing and Cement Program

Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC
14-3/4	9-5/8	36	1127	1150	NA
8-3/4	7	23, 26 & 29	8150	1125	NA
All existing					

²² Describe the proposed program. If this application is to DEEPEN or PLUG BACK, give the data on the present productive zone and proposed new productive zone. Describe the blowout prevention program, if any. Use additional sheets if necessary.

NPC proposes to plugback the subject well and test the GLorieta/ Yeso as per the attached procedure.

²³ I hereby certify that the information given above is true and complete to the best of my knowledge and belief. I further certify that the drilling pit will be constructed according to NMOC guidelines ☒ a general permit ☐ , or an (attached) alternative OCD approved plan ☐ . Signature: 	OIL CONSERVATION DIVISION	
Printed name: Sarah Jordan	Approved by:	
Title: Production Analyst	Title: BRIAN G. ARRAUT DISTRICT II GEOLOGIST	
E-mail Address: sjordan@nearburg.com	Approval Date: AUG 31 2007	Expiration Date: AUG 31 2008
Date: 8/27/07	Phone: 432/686-8235 x 203	Conditions of Approval: Attached ☐

OIL CONSERVATION DIVISION
PO Box 2088
Santa Fe, NM 87504-2088

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-015-28628		² Pool Code 15472	³ Pool Name Glorietta / No. 50
⁴ Property Code	⁴ Property Name OSAGE BOYD 15		⁴ Well Number 4
¹ OGRID No. 15742	¹ Operator Name NEARBURG PRODUCING COMPANY		¹ Elevation 3459.

¹⁰ Surface Location

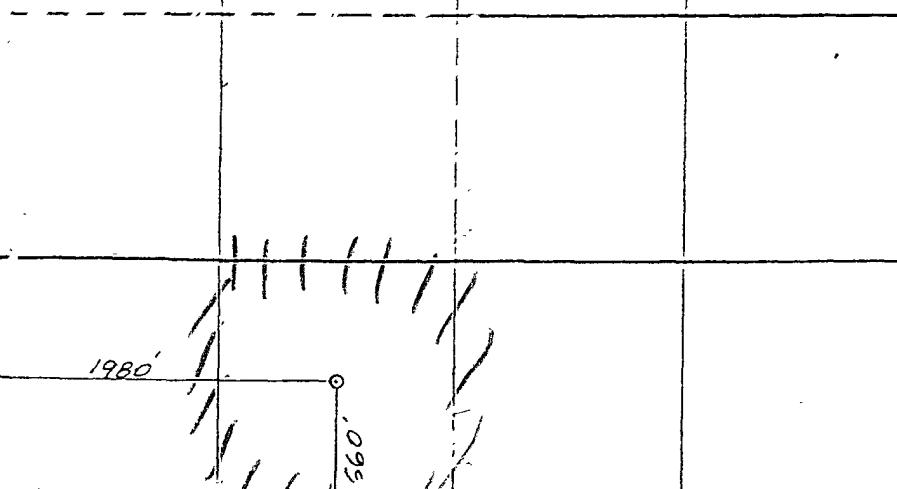
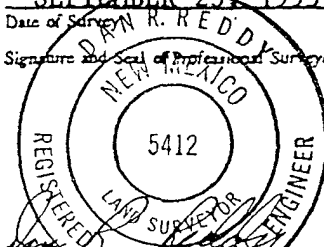
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
N	15	19S	25E		660	SOUTH	1980	WEST	EDDY

¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
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" Dedicated Acres	" Joint or Infill	" Consolidation Code	" Order No.
40	N	N/A	N/A

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

16	17 OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief. <u>Gordon</u> Signature <u>Graham Jordan</u> Printed Name <u>Production Analyst</u> Title <u>8-27-07</u> Date
	18 SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief. <u>SEPTEMBER 29, 1995</u> Date of Survey <u>DAN R. REDDY</u> Signature and Seal of Professional Surveyor.  Certificate Number <u>5412</u> NM PEAPS NO. <u>5412</u>

Osage Boyd 15 #4

RECOMMENDED PROCEDURE:

- 1) MIRU PU. ND WH NU BOP.
- 2) RU JSI to set CIBP @ 7600' & cap w/35' cmt. RD JSI.
- 3) Test plug to 500#.
- 4) PU & RIH w/2-7/8" workstring to PBTD and circ abandonment mud. PUH to 5822'. Spot 30 sx plug. PUH to 3500' and spot another 30 sx plug. PUH. WOC then tag to verify TOC. POH w/2-7/8" tbq.
- 5) Test casing to 3500# for minimum of 10 min.

6) Have JSI perforate the following intervals @ 2 spf phased 120 degrees premium charges (4" slick gun 23 gram charge 33" penetration & .42" hole) correlated to Schlumbergers "Platform Express Compensated Neutron Litho-density w/NGT" log run one dated 25Jun, 1996:

2806'	2802'	2796'	2789'	2767'	2753'	2740'
2708'	2702'	2697'	2672'	2668'	2656'	2651'
2633'	2632'					

RD JSI.

7) RU BJ to acidize perfs down casing as follows 1,500g 15% NEFE acid at 5 bpm (Pmax=5000#):

Stage 1	Fluid	Volume	Cum gal's	# balls	Cum Balls
1	15% NEFE	250	500		
2				10 - .875" 1.3 balls	10
3	15% NEFE	250	1,000		
4				10 - .875" 1.3 balls	20
5	15% NEFE	250	1,500		
6				10 - .875" 1.3 balls	30
7	15% NEFE	250	2,000		
8				10 - .875" 1.3 balls	40
9	15% NEFE	250	2,500		
10				10 - .875" 1.3 balls	50
11	15% NEFE	250	3,000		
12	Flush to top perf w/2% KCL				

SURGE BALLS OFF AND ALLOW TIME TO DROP.

9) RU BJ to frac down 7" casing at 60 bpm as follows:

Stage 1	Fluid	Volume	Conc(ppg)	Prop Type	Stage #'s	Cum #'s
1	Slick 10# Brine	25,000		PAD		
2	Slick 10# Brine	4,000	.25	20/40 Sand	1000	1000
3	Slick 10# Brine	25,000	.1	LiteProp 14/30	2500	3500
4	Slick 10# Brine	30,000	.2	LiteProp 14/30	6000	9500
5	Slick 10# Brine	25,000	.3	LiteProp 14/30	7500	17000
6	Slick 10# Brine	6,000	1	20/40 SLC	6000	23000

/ Flush w/Slick 10# Brine to top perf
Get ISIP, 5 min, 10 min, 15 min & 30 min SIP's.

FLUSH

10) RU JSI to RIH w/7" Flo Thru Composite plug and set at 2600'. Have JSI perforate the following intervals @ 2 spf phased 120 degrees premium charges (4" slick gun 23 gram charge 33" penetration & .42" hole) correlated to Schlumbergers "Platform Express Compensated Neutron Litho-density w/NGT" log run one dated 25Jun, 1996:

2535'	2524'	2508'	2477'	2470'	2457'	
2443'	2433'	2419'	2413'	2406'	2401'	2394'
2389'	2383'	2376'	2371'			

RD JSI.

11) RU BJ to acidize perfs down casing as follows 1,500g 15% NEFE acid at 5 bpm (Pmax=5000#):

Stage 1	Fluid	Volume	Cum gal's	# balls	Cum Balls
1	15% NEFE	250	500		
2				10 - .875" 1.3 balls	10
3	15% NEFE	250	1,000		
4				10 - .875" 1.3 balls	20
5	15% NEFE	250	1,500		
6				10 - .875" 1.3 balls	30
7	15% NEFE	250	2,000		
8				10 - .875" 1.3 balls	40
9	15% NEFE	250	2,500		
10				10 - .875" 1.3 balls	50
11	15% NEFE	250	3,000		
12	Flush to top perf w/Slick 10# Brine				

SURGE BALLS OFF AND ALLOW TIME TO DROP.

12) RU BJ to frac down 7" casing at 60 bpm as follows:

Stage	Fluid	Volume	(ppg)	Prop Type	Stage #'s	Cum #'s
1	Slick 10# Brine	25,000		PAD		
2	Slick 10# Brine	4,000	.25	20/40 Sand	1000	1000
3	Slick 10# Brine	25,000	.1	LiteProp 14/30	2500	3500
4	Slick 10# Brine	30,000	.2	LiteProp 14/30	6000	9500
5	Slick 10# Brine	25,000	.3	LiteProp 14/30	7500	17000
6	Slick 10# Brine	6,000	1	20/40 SLC	6000	23000
7	Flush w/Slick 10# Brine to top perf				FLUSH	

Get ISIP, 5 min, 10 min, 15 min & 30 min SIP's. RD BJ.

13) SI Overnight to let resin coated sand cure.

14) Flow back @ 20 bpm - increase rate up to 40 bpm if no proppant shows up in returns.

15) RU RIH w/ 2-7/8" J-55 production tbg and production as per attached design.