

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

State of New Mexico
Energy Minerals and Natural Resources

AUG 21 2008
OCD-ARTESIA

Form C-101
May 27, 2004

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

Submit to appropriate District Office

☐ AMENDED REPORT

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

¹ Operator Name and Address COG OPERATING LLC 550 W. Texas, Suite 1300 Midland, TX 79701		² OGRID Number 299137
		³ API Number 30-015-26233
⁴ Property Code 302572	⁵ Property Name Texaco BE	⁶ Well No. 4
⁹ Proposed Pool 1 Grayburg Jackson SR Queen Grayburg SA 28509		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
A	16	17S	30E		330	North	330	East	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 Information

¹¹ Work Type Code D	¹² Well Type Code O	¹³ Cable/Rotary Rotary	¹⁴ Lease Type Code S	¹⁵ Ground Level Elevation 3682.2 KB
¹⁶ Multiple N	¹⁷ Proposed Depth 6000	¹⁸ Formation Yeso	¹⁹ Contractor	²⁰ Spud Date As soon as approved
Depth to Groundwater		Distance from nearest fresh water well		Distance from nearest surface water
²¹ Pit Liner: Synthetic <input type="checkbox"/> _____ mils thick Clay <input type="checkbox"/> Pit Volume: _____ bbls Drilling Method Closed-Loop System <input checked="" type="checkbox"/> Fresh Water <input checked="" type="checkbox"/> Brine <input type="checkbox"/> Diesel/Oil-based <input type="checkbox"/> Gas/Air <input type="checkbox"/>				

²¹ Proposed Casing and Cement Program

Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC
12-1/4	8-5/8	24	432	150	
7-7/8	5-1/2	17	4912	2425	
4-3/4	4	11.3	6000	115	

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

See Attachment

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 NMOCD guidelines ☐, a general permit ☐, or an (attached) alternative OCD-approved plan ☐.

Printed name: Kanicia Carrillo *K. Carrillo*
Title: Regulatory Analyst
E-mail Address: kcarrillo@conchoresources.com
Date: 08/19/08 Phone: 432-685-4332

OIL CONSERVATION DIVISION

Approved by: *Jim W. Green*
District II Supervisor

Title: Approval Date: 8/22/08 Expiration Date: 8/22/10

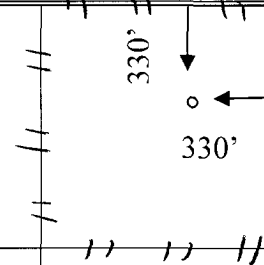

Conditions of Approval Attached ☐

Deepening Procedure

1. MIRU rig.
2. PU 4-3/4" bit and drill 4-3/4" from 4970' to 6000'.
3. POOH w/ bit and drillstring.
4. RIH w/ logs and log from TD to 4900'.
5. RIH w/ 4", 11.3# casing.
6. Cement casing from TD to 4725' w/ 115 sxs Class C cmt.
7. RDMO rig.

Completion Procedure

1. MIRU rig.
2. RIH/ w/ perforating guns and perforate Yeso from 5900 – 5700 w/ 2 spf, 30 holes.
3. Acidize w/ 2500 gals of 15% HCl. Frac zone w/ 190,000 # of sand. Set plug at 5650'.
4. RIH w/ perforating guns and perforate Yeso from 5600' – 5400'.
5. Acidize w/ 2500 gals of 15% HCl. Frac zone w/ 190,000 # of sand. Set plug at 5350'.
6. RIH w/ perforating guns and perforate Yeso from 5300' – 5100'.
7. Acidize w/ 2500 gals of 15% HCl. Frac zone w/ 190,000 # of sand.
8. RIH and drill out plug at 5350' and 5650'.
9. RIH and cut 4" casing at 4725'. POOH w/ 4" casing. Leave 4" liner from 4725' to 6000' (TD).
10. RIH w/ tbg and locate end of tbg at 4700'.
11. RIH w/ rods and pump.
12. RDMO rig.

16				17 OPERATOR CERTIFICATION <i>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.</i>  Signature
				Printed Name Kanicia Carrillo
				Title and E-mail Address Regulatory Analyst
				Date 08/19/08
				18 SURVEYOR CERTIFICATION <i>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.</i>
				Date of Survey
				Signature and Seal of Professional Surveyor
				Certificate Number