DEC 26 2007 OCD-ARTESIA

Form 3160-4 (April 2004)

UNITED STATES
DEPARTMENT OF THE INTERIOR FORM APPROVED OMBNO 1004-0137 BUREAU OF LAND MANAGEMENT Expires March 31, 2007 WELL COMPLETION OR RECOMPLETION REPORT AND LOG Lease Senal No NM-074935 6 If Indian, Allottee or Tribe Name la Type of Well Oil Well Gas Well Dry Other New Well Work Over Deepen Plug Back Diff Resyr. b Type of Completion Unit or CA Agreement Name and No. Name of Operator COG Operating LLC Lease Name and Well No. Electra Federal #16 AFI Well No. Phone No (include area code) 3 Address 550 W. Texas, Suite 1300, Midland, TX 79701 30-015-35431 432-685-4332 10. Field and Pool, or Exploratory Location of Well (Report location clearly and in accordance with Federal requirements)* Loco Hills Glorieta Yeso At surface 330 FSL & 1650 FWL, Unit N Sec, T, R, M, on Block and Survey or Area Sec 10, T17S, R30E At top prod interval reported below County or Parish 13 State At total depth Eddy 14. Date Spudded 15 Date T D Reached 16 Date Completed Elevations (DF, RKB, RT, GL)* 17 11/19/2007 10/17/2007 10/27/2007 D&A Ready to Prod 3694 GL Depth Bridge Plug Set. 18. Total Depth MD 6000 19. Plug Back T D.. MD 5920 MD TVD TVD 21. Type Electric & Other Mechanical Logs Run (Submit copy of each) Was well cored? ✓ No Yes (Submit analysis) Was DST run? **√**No Yes (Submit report) CN / HNGS, Micro CFL / HNGS Directional Survey? ✓ No Yes (Submit copy) 23. Casing and Liner Record (Report all strings set in well) Stage Cementer No of Sks & Slurry Vol (BBL) Amount Pulled Wt (#/ft) Hole Size Size/Grade Top (MD) Bottom (MD) Cement Top* Type of Cement Depth 17-1/2 437 13-3/8 48 980 C 1" to Surface 12-1/4 8-5/8 31 1337 800 C Surface 181 7-7/8 5-1/2 17 5997 1900 C Surface 350 24 Tubing Record Depth Set (MD) Packer Depth (MD) Depth Set (MD) Packer Depth (MD) Depth Set (MD) | Packer Depth (MD) Size Size Size 2-7/8 5765 25 Producing Intervals Perforation Record No Holes Perf Status Formation Top Bottom Perforated Interval Size A) Yeso 4438 - 4718 2 SPF 32 Open B) Yeso 5000 - 5200 2 SPF 36 Open C) Yeso 5280 - 5480 2 SPF 36 Open D) 5560 - 5760 2 SPF 48 Open 27. Acid, Fracture, Treatment, Cement Squeeze, etc Depth Interval Amount and Type of Material 4438 - 4718 Acidize w/ 6,616 gals acid. Frac w/67,410gals gel, 88,844# 16/30 sand. Acidize w/ 6,554 gals acid. Frac w/103,076 gals gel, 90,511# 16/30 sand. 5000 - 5200 5280 - 5480 Acidize w/ 5,000 gals acid. Frac w/61,614 gals gel, 88,215# 16/30 sand. 5560 - 5760 Acidize w/ 6,008 gals acid. Frac w/67,410 gals gel, 88,844# 16/30 sand. 28. Production - Interval A Date First Test Date Hours Tested Oil Gravity Corr API Water Production Method Oil BBL Gas MCF Produced Produ Gravity 11/25/2007 Pumping 12/15/2007 33 74 484 38.6 Gas Choke Oil BBL Gas/O1 Tbg Press Csg Water Well Status 24 Hr Flwg Ratio Press Size Rate Producing SI 28a Production - Interval B Date First Oil Gravity Corr API Test Hours Test Gas MCF Production Method Produced Date Production BBL BBL Choke Gas/Oil 24 Hr Well Status Tbg Press Csg Press Gas Water Oil BBL Flwg MCF BBL Size Rate SI *(See instructions and spaces for additional data on page 2)

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28b. Produ	Test		Test	Oil	T C	Water	Lorg	Gas	Production Method		
Produced	Date	Hours Tested	Production	BBL	Gas MCF	BBL	Oil Gravity Corr. API	Gravity	Production Method		
Choke Size	Tbg Press. Flwg SI	Csg. Press	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Otl Ratio	Well Status			
	uction - Int										
Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity			
Choke Size	Tbg Press. Flwg. SI	Csg. Press	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status			
29. Disp	osition of C	Gas (Sold, 1	used for fuel,	vented, etc	c.)						
SOL	.D										
30. Sum	mary of Por	ous Zones	(Include Aqu	nifers):		 		31. Forma	tion (Log) Markers		
tests,	v all import including o ecoveries.	tant zones depth inter	of porosity a val tested, cu	and conten shion used	ts thereof: , time tool o	Cored interva pen, flowing	als and all drill-stem and shut-in pressures	1 5			
Form	nation	Тор	Bottom		Descr	riptions, Cont	ents, etc.		Name	Top Meas. Depth	
Yates		1280									
7 Rivers		1560	1								
Queen		2160								į	
San Andr	·ac	2900		}				}			
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22 4 1 1/4			1					ــــــــــــــــــــــــــــــــــــــ			
32. Additio	onai remari	ks (include	plugging pro	ceaure):							
33 Indicate	which itm	es have he	en attached h	v ntacing	a check in t	he appropriat	e haves:	····			
			gs (1 full set i			ologic Report		Direction	al Survey		
			g and cement			re Analysis	Other:	Direction	ur our vey		
34. I hereby	certify tha	t the foreg	oing and atta	ched infor	mation is co	mplete and co	orrect as determined i	from all availat	ole records (see attached instruc	tions)*	
Name (please print) Kanicia Carrillo							Title Regular	tory Analyst			
Signatu	re _ Ł		<u> </u>				Date 12/21/20	007			
Tida 1911 C	C Saction	1001 0=4	Title /12 11 6	C Saatia	n 1212	ro it a arin- a f	for one passas I	ingluor 4!!!	illy to make to any departmen	t and a second second	

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

DEC 26 2007 OCD-ARTESIA

DISTRICT I 1625 N. FRENCE DR., HORBS, NM 88240

State of New Mexico Energy, Minerals and Natural Resources Department

DISTRICT II 1301 W. GRAND AVENUE, ABTESIA, NN BREIG

OIL CONSERVATION DIVISION 1220 SOUTH ST. FRANCIS DR.

Revised October 12, 2005 Submit to Appropriate District Office State Lease - 4 Copies

DISTRICT III 1000 Rio Brazos Rd., Aztec, NM 87410 Santa Fe, New Mexico 87505

Fee Lease - 3 Copies

Form C-102

ISTRICT IV 20 s. st. francio dr., banta pr, nm 876	WELL LOCATION AND ACREAG	E DEDICATION PLAT	☐ AMENDED REPORT	
API Number	Pool Code	Pool Name		
30-015-35431	96718	Loco Hills; Glorie	ta-Yeso	
Property 'Code	Property Name		Well Number	
302483	ELECTRA FEDI	ERAL	16	
OGRID No.	Operator Name		Elevation	
229137	COG OPERATINO	, LLC	3694'	

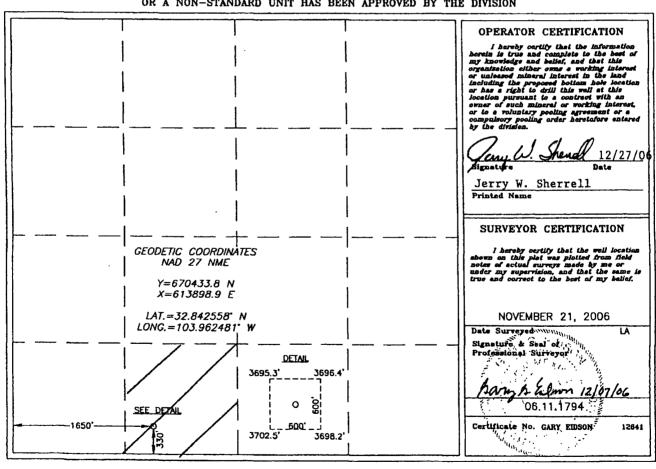
Surface Location

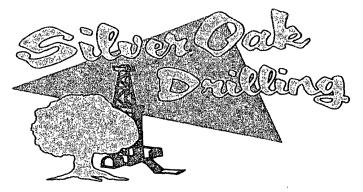
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County	į
N	10	17-S	30-E		. 330	SOUTH	1650	WEST	EDDY	

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
Dedicated Acr	es Joint o	or Infill Co	onsolidation	Code Or	der No.	L			l
40									

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





PO Box 1370 Artesia, NM 88211-1370 (505) 748-1288

November 6, 2007

COG, LLC Fasken Center, Tower II 550 West Texas Ave, Suite 1300 Midland, TX 79701

RE:

Electra Federal #16 330' FSL & 1650' FWL Sec. 10, T17S, R30E Eddy County, New Mexico

Dear Sir,

The following is the Deviation Survey for the above captioned well.

DEPTH	DEVIATION	<u>DEPTH</u>	DEVIATION	
232.00	0.75		2900.00	0.50
386.00	1.25		3289.00	1.00
493.00	1.00		3511.00	1.00
769.00	1.25		3800.00	0.25
1048.00	2.00		4180.00	0.25
1239.00	2.00		4471.00	0.50
1413.00	1.00		4884.00	0.75
1699.00	0.75		5198.00	0.75
2014.00	0.50		5488.00	0.75
2303.00	0.75		5775.00	0.75
2653.00	0.75			

Very truly yours,

Operations Manager

State of New Mexico }
County of Eddy }

The foregoing was acknowledged before me this 6th day of November, 2007.

Notary Public

OFFICIAL SEAL
REGINIA L. GARNER
NOTARY PUBLIC - STATE OF NEW MEXICO

My commission expires Lug . 30, 300