OCD-ARTESIA

17-1/2 13-3/8 48 444 447 sx Cl C Surface	(April 2	W 1)				MENT OF OF LAN					ik. 9 Tal]	OMBNO	PPROVED 1004-0137 arch 31, 2007
SERANMA- Color		WE	LL CO	MPLE	ETION O	R RECOM	IPLET	ION I	REPOR	RT AN	D LO	G			5. Leas	e Serial No.	NM-074035
Differ Completion: Other	SIA a North de	of Well	√oil v	Well [Gas Well	Dry I	Oth	er						+	6. If Inc	lian, Allotte	
2 Name of Operator COG Operating LLC 3 Address 550 W. Texas, Suite 1300, Midland, TX 79701 3a Phone No. (include area code) 9 AFI Will No. Mid-15-4713 9 AFI Will No. Mid-15-4713 9 AFI Will No. Mid-15-4713 10 Field and Polon (Conclude area code) 9 AFI Will No. Mid-15-4713 10 Field and Polon (Conclude area code) 9 AFI Will No. Mid-15-4713 10 Field and Polon (Explorate Incurrence Incurre	,			V 1	New Well			Deepen	Pi	ug Back		Diff. Re	svr, .	-	? Unit	or CA Agre	ement Name and
3. Address SS9 W. Texas, Suite 1360, MisBland, TX 79701 3a. Phone No. /Include area code/ 432-685-4340 9. AFI Well No. 30-015-3-3-719	2. Name	of Operat	or COG						<u> </u>					-			
A Location of Well (Report location clearly and in accordance with Federal requirements)* 10. Field and Pool, or Exploratory Loca Hills Glor Emp Ver 11. See 7, Mr. on Block and Survey or Area. See 15, T175, R.	3. Addre	SS 550 V	V Tevas	Suite 1	1300 Midla	and TX 7970)1		3a Pho	one No.	(include	e area c	ode)	9			al #8
At surface 330 FNL & 2310 FWL, Unit C			-14-1								1340			1/			r Evaluators
At surface At top prod. interval reported below At total depth At total depth At total depth It Des Spudded It Des Date Completed It Des A Total Depth TVD It Des TVD It			l (Report l	location	clearly and i	n accordance	with Fe	deral re	quiremer	its)*				"			-
15 Date T.D. Reached 113-02-006 11					ŕ	Unit C								1	l. Sec	T., R., M.,	on Block and
15 Date T. D. Reached 15 Date T. D. Reached 111/30/2066 111/	•	•	•											Ľ		ty or Parish	I
11/16/2006				115	Date T.D. R	eached		16	Date C	omnletec	1 12	122/20/	n.c	17		ations (DF	
TVD																	
Was DST run? Yes (Submit repry) Yes (Submit	18. Total			5'	19	9. Plug Back			954'		20. [Depth E	Bridge P	lug Se			None
23 Casing and Liner Record Wt. (#/h.) Top (MD) Bottom (MD) Stage Cementer Depth Type of Cement Top* Amount Pull Ti-1/2 13-3/8 48 444 447 X Cl C Surface Ti-1/2 13-3/8 48 444 447 X Cl C Surface Ti-1/2 13-3/8 48 444 447 X Cl C Surface Ti-1/2 Ti-1	21. Type	Electric &	Other Me	echanic	al Logs Run	(Submit copy	ofeac	h)							-		
Casing and Liner Record Report all strings set in well	CN/	HNGS, N	licro CF	L/HN	GS									_			- /
Hole Size Size/Irade Wt. (#/II.) Top (MID) Bottom (MID) Depth Type of Cement (BBL) Cement (Fig. 1) Top Type of Cement (BBL) Cement (BB	23. Casir	g and Lin	er Record	d (Rep	ort all strin	gs set in well										(Submit oup;;
17-1/2 13-3/8 48	Hole Size	Size/Gr	ade Wt	t. (#/ft.)	Top (MD) Bottom	(MD)	•					Slurry V (BBL	ol.	Cemen	t Top*	Amount Pull
24 Tubing Record Size Depth Set (MD) Packer Depth (MD) (M	17-1/2	13-3/8	3 48			444										Surface	
24. Tubing Record Size Depth Set (MD) Packer Depth (MD) Packer Depth (MD) Size Depth Set (MD) Packer Depth (MD) Pack				_													
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25. Producing Intervals 26. Perforation Record			Set (MD)) Pack	er Depth (MD) Size		Depth S	et (MD)	Packer I	Depth (I	MD)	Siz	e	Depti	n Set (MD)	Packer Depth
Formation Top Bottom Perforated Interval Size No. Holes Perf. Status								26 5		Ĺ,							
A) Yeso	25. Produ				Тор	Bottor	n				·	Siz	e	No. I	Ioles	Τ	Perf. Status
C) Yeso D) 27. Acid, Fracture, Treatment, Cement Squeeze, etc. Depth Interval 4924.5' - 5116' See Attachment 5201' - 5532.5' See Attachment 28. Production - Interval A Date First Produced 11724/2006 10/02/2007 24 Choke Size Flwg. Size Production - Interval B Date First Date Tested Date Date Flwg. Size Production Date Flwg. Size Production Date Tested Date Date Flwg. Size Production Date First Test Date Production Date First Date Flwg. Size Production Date First Date Date First Date First Date Date Date First Date Date Date Date Date Date Date Dat																Open	
D) 27. Acid, Fracture, Treatment, Cement Squeeze, etc. Depth Interval 4924.5' - 5116' See Attachment 5201' - 5532.5' See Attachment 5638' - 5866.5' See Attachment 28. Production - Interval A Date First Test Produced Date Tested Production BBL MCF BBL Corr. API Gravity 11/24/2006 01/02/2007 24 Choke Tog. Press. Csg. 24 Hr. Size Production BBL MCF BBL Corr. API Gravity Date First Test Hours Production - Interval B Date First Test Hours Production - Interval BBL MCF BBL MCF BBL Gas/Oil Ratio Producing 28a. Production - Interval B Date First Test Hours Production BBL MCF BBL Gas/Oil Ratio Production BBL MCF BBL Gas/Oil Ratio Production BBL MCF BBL Gas/Oil Ratio Production Method Production Date Rate BBL MCF BBL Gas/Oil Ratio Production Method Production BBL MCF BBL Gas/Oil Ratio Production Method FEB BBL Gas/Oil Ratio Production Product																	
27. Acid, Fracture, Treatment, Cement Squeeze, etc. Depth Interval 4924.5' - 5116' See Attachment 5201' - 5532.5' See Attachment 28. Production - Interval A Date First Test Produced Date Tested Production BBL MCF BBL Corr. AP Gravity Pumping Choke Tbg. Press. Csg. 24 Hr. Gil Gas BBL MCF BBL Gravity Gas Gravity Production Corr. AP Gravity Production Corr. AP Gravity Production Corr. AP Gravity Pumping Corr. AP Gravity Pumping Corr. AP Gravity Corr. AP		'				 	_	3038	- 586	0.5		2 5P	- -			Open	
4924.5' - 5116' See Attachment 5201' - 5532.5' See Attachment 5638' - 5866.5' See Attachment 28. Production - Interval A Date First Test Produced Date Tested Tested 12/24/2006 01/02/2007 24 Tested Tested BBL MCF BBL Gas Water Gas/Oil Ratio Production - Interval B Choke Tbg. Press. Csg. Press. Size Fivg. Press. Sl 28a. Production - Interval B Date First Test Hours Test Oil Gas Water BBL MCF BBL Gas/Oil Ratio Production - Interval B Date First Test Hours Tested Production BBL MCF BBL Corr. API Gravity Gas Gas/Oil Ratio Production - Interval B Choke Tbg. Press. Csg. 24 Hr. Rate BBL MCF BBL Corr. API Gravity Gas Gravity Production - Interval B Choke Tbg. Press. Csg. 24 Hr. Rate BBL MCF BBL Corr. API Gravity Gas Gravity Gas Gravity Froduction Method Production BBL MCF BBL Corr. API Gravity Gravity Gravity Gas Gravity Fivg. Press. St. St. BBL Ratio BBL Ratio Fivg. Press. St. St. St. BBL Ratio BBL Ratio Fivg. Press. St. St. BBL Ratio BBL Ratio Fivg. Ratio Fivg. Press. St. St. BBL Ratio Fivg. Press. St. St. St. BBL Ratio Fivg. Press. St. St. St. St. St. St. St. St. St. St	27. Acid,			Cement	Squeeze, etc.	· · · · · · · · · · · · · · · · · · ·									·		····
See Attachment			val		See Attacl	ıment	· · · · · · · · · · · · · · · · · · ·		A	mount an	nd Type	of Mai	terial	_			
28. Production - Interval A Date First Test Produced Date Tested Date Date Date Date Date Date Date Date			•											_			
Date First Produced Date Date First Produced Date Date Production Date Production Date Date Production	5638'	- 5866.5	•		See Attach	ment											
Produced Date Tested Production BBL MCF BBL Corr. API Gravity Choke Tbg. Press. Csg. Flwg. Press. Press. Production BBL MCF					1 84		1 111		Logo		1 /				77.		
Choke Tbg. Press. SI Production - Interval B Date First Produced Date Tested Production BBL MCF	Produced	Date	Tested	Produ	_	1	BBL		1	ity Pl					vietnod		
Size Flwg. SI Press. Rate BBL MCF BB: Ratio Producting 28a. Production - Interval B Date First Test Date First Test Date Production Date Date Production Date Date Production Date Date Production Date Date Date Date Date Date Date Date				24 11-							Well	Statue	Pu	mping			
Choke Size Flwg. Size Size (See instructions and spaces for additional data on page 2) Choke Size Flwg. Size Flwg. Size (See instructions and spaces for additional data on page 2)		Flwg.			► BBL		BB					. Diatus		-			
Choke Size Flwg. Size Size Size Size The first structions and spaces for additional data on page 2) *(See instructions and spaces for additional data on page 2)				Teet	Lou	Gas	Wata		1 02 C	it.	G		D 1	uction	Mathad		חברו
Choke Size Flwg. Size Size Size Size The first structions and spaces for additional data on page 2) *(See instructions and spaces for additional data on page 2)						MCF		'	Corr. AF	ny PI	Gravi	ity	Prod	N C	CFP	TED F	OK KEO
Size Flwg. Press. Rate BBL MCF BBL Ratio *(See instructions and spaces for additional data on page 2)	Choke	Tha Deer-	Can	2/11-	03	Gan	13/24-		Gas/Oil		Wall	Statue	Ш	AU	<u> </u>		
(See instructions and spaces for additional data on page 2)		Flwg.			BBL		BBL	1			WEII	ordius		\		(100c A
in Cl		SI					1		l					1_	1	FEB '	4 2001
	*/S00 inc	tructions	nd spaces	for add	itional data o	n nage 21								1	١	•	

	uction - Inte	erval C							
Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
8c. Prod	uction - Int	terval D	-1						
Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
29. Disp SOI		Gas (Sold,	used for fuel,	vented, e	tc.)				
Show tests,	v all impor	tant zones	of porosity a val tested, cu	and conter	nts thereof: I, time tool o	Cored intervapen, flowing:	als and all drill-sten and shut-in pressure	n	tion (Log) Markers
Form	nation	Тор	Bottom		Desc	riptions, Cont	ents, etc.		Name Top Meas. Depth
Yates PRIVERS	res	1301 1573 2181 2607 2910 4351 4464	e plugging pro	ocedure):					
Electric Sundania.	ctrical/Mec dry Notice y certify the	hanical Lo for plugginat the fores	-	req'd.) at verificat	ion Co	ologic Report re Analysis	DST Report Other:	from all availab	al Survey le records (see attached instructions)*
Name (p	nlease print		iyllis A. Edv	vards	Puro	eds	Title Regula Oate 01/29/2	007	
tle 18 U.S	S.C Section	n 1001 and	1 Title 43 U.S	S.C Section	on 1212, mal	ce it a crime f	or any person know	ingly and willfu	ully to make to any department or agency of the Uni



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

December 6, 2006

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

RE:

Electra Federal #8 330' FNL & 2310' FWL Sec. 15, T17S, R30E Eddy County, New Mexico

Dear Sir,

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

<u>DEPTH</u>	<u>DEVIATION</u>	<u>DEPTH</u>	DEVIATION
223'	1/4°	3756′	1 3/4°
622'	1/2°	4200'	1/2°
1062'	1°	4409'	1/2°
1521'	1/2°	4595'	1°
1947′	1°	5035′	1/2°
2413'	1°	5473'	3/4°
2880'	1/2°	5938'	3/4°
3318'	1/20		

Very truly yours,

Eddie C. LaRue Operations Manager

State of New Mexico }
County of Eddy }

Notary Public

The foregoing was acknowledged before me this 6th day of December, 2006.

OFFICI REGIN NOTARY My com

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

My commission expires

aug. 30, 200

ELECTRA FEDERAL #8 API#: 30-015-34719 EDDY, NM

C-105 (#27) ADDITIONAL INFORMATION

27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC. DEPTH INTERVAL AMOUNT AND KIND MATERIAL USED

DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
4924.5' - 5116'	Acidize w/ 2500 gals acid.
	Frac w/ 100,400 gals gel, 8388# LiteProp,
	& 84,388# 16/30 sand.

27. ACID, SHOT, FR	ACTURE, CEMENT, SQUEEZE, ETC.
DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
5201' - 5532.5'	Acidize w/ 2500 gals acid.
	Frac w/100,000 gals gel, 8000# LiteProp,
	& 88,500# 16/30 white sand.

27. ACID, SHOT, FR	ACTURE, CEMENT, SQUEEZE, ETC.
DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
5638' - 5866.5'	Acidize w/ 1800 gals acid.
	Frac w/88,500 gals gel, 8044# LiteProp,
	& 93,400# 16/30 white sand.

907 FEB -1 80 2: 29