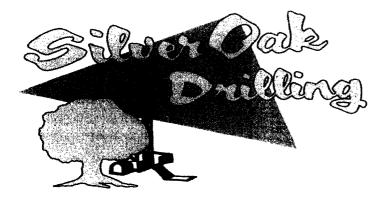
Form 3 160-4 (April 2004) UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT									1	FORM APPROVED OMBNO. 1004-0137 Expires: March 31, 2007							
WELL COMPLETION OR RECOMPLETION REPORT AND LOG										5. Lease Serial No. LC-029020-L							
la. Type of Well Oil Well Gas Well Dry Other b. Type of Completion: New Well Work Over Deepen Plug Back Diff. Resvr, . Other										If Indian, Allottee or Tribe Name Unit or CA Agreement Name and No.							
2. Name	e of Operat	or CC	OG Opera	ting LLC	2			7 -					_		Name and	Well No. FEDERAL #4	
3. Address 550 W. Texas, Ste.1300									3a Phone No. (include area code)				_ _	9. AFI Well No. 30-015-34899			
Midland, Texas 79701 4. Location of Well (Report location clearly and in accordance with Federal r									reauirements)*				1	10. Field and Pool, or Exploratory			
At surface 1690' FSL & 1870' FEL									Month 8 2001 MM				<u> </u>	LOCO HILLS; Glorieta Yeso			
At top prod. interval reported below								The state of the s	Morth 8 200 MAR ARTESIA MA					11. Sec., T., R., M., on Block and Survey or Area Sec. 15, T17S, R30E			
At total depth									oco		/	,	1	Eddy	ty or Parish	NM	
14. Date	Spudded 3/2006		15.	Date T.D.		xd		_	6. Date Completed 10/06/2006 D & A Ready to Prod.			1	17. Elevations (DF, RKB, RT, GL)* 3692'				
18. Total		MD 6	050'	12/1//	-	g Back T.D).; MD						Plug Se				
		ΓVD		Ī			TVD	****		TVD							
21. Type Electric & Other Mechanical Logs Run (Submit copy of each) Comp.Neutron/HNGS, Micro-CFL/HNGS 22. Was well core Was DST run Directional Su									ı? 🔽	No L	Yes (Sub	mit analysis) mit report) Submit copy)					
23. Casir	ng and Lin	er Rec	ord (Rep	ort all str	ings sei	t in well)				·	Direct	ionai 3	ui vey :		[A]162 (2	Submit copy)	
Hole Size	Size/Gr	ade	Wt. (#/ft.)	Top (N	ИD)	Bottom (M	m (MD) Stage Cementer No. of Sks. & Slurr Depth Type of Cement (B		y Vol. BL)	Cement Top*		Amount Pulled					
17 1/2 12 1/4				1345		 			xs, Cl.C			Surf.					
7 7/8	8 5/8 5 1/2	-	17#	7#		6027			700 sxs, Cl			——————————————————————————————————————					
	+			-	-+	T					\dashv						
24. Tubin	g Record		, , , , , , , , , , , , , , , , , , ,	.1													
Size	Deptl 5968'	Set (N	(ID) Pack	er Depth (N	MD)	Size	Dept	h Set (MD)	Packer	Depth (MD)		Size	Depth	Set (MD)	Packer Depth (MD)	
2 7/8 25. Produ		als					26.	Perforation	n Record	i						L	
							Perforated				No. I			Perf. Status			
A) Yeso B)					4951'							F	56		Open		
C)						5230' 5721.5			- 5621' 5' - 5953.5'			PF PF			Open Open		
D)									5' - 5953.5' 2 SPF 68				, open				
27. Acid,			nt, Cement	Squeeze, et	tc.												
	Depth Inter	val		Aninida	···/ 100/	0	. Francis			nd Type			80.1	11 44 1 6 12	20 8 45 0	00 gals 40# gel	
	- 5621	-				0 gals acid) gal acid.		w/ 40,000 g w/ 96,138 g								oo gais 40# gei	
	- 5953.5					gals acid		w/ 91,400 g									
28. Produ Date First	ction - Inte	rval A Hours	Test	Oil	10	Gas	Water	Oil Gra	vitv	Ga	s _		roduction	Method	Apple of the same	weekly which the second	
Produced	Date 02/01/2007	Tested	Produ		L 1	MCF 109	BBL 219	Corr. A	PĬ		avity	L.,	Pumping		. van	Andrew Law of Market	
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate		- 1	Gas MCF	Water BBL	Gas/Oil Ratio		Well	Status	1 3	AC	CEPT	ED FC	OR RECORD	
28a. Produ		erval B								1		1 1	+				
Date First Produced	Test Date	Hours Tested	Test Produc	tion BBI		Gas MCF	Water BBL	Oil Grav Corr. Al	rity PI	Gas Grav	ity	P	roduction	Method M	AR -	7 2007	
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL		Gas MCF	Water BBL	Gas/Oil Ratio		Well	Status			DETE	LES BA	ABYAK M ENGINEER	
*(See ins	tructions a	nd spac	es for add	itional date	a on pag	e 2)		1					-		COLLON.	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	

201 Dec 4		1.0				···········							
Date First	uction - Int	Hours	Test	Oil	Gas	Water	Oil Gravity	Gas	Production Method				
Produced	Date	Tested	Production	BBL	MCF	BBL	Corr. API	Gravity	Troucion menos				
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status					
	luction - In	terval D											
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					
-		Gas (Sold, 1	used for fuel,	vented, et	c.)					······································			
Sold			<u> </u>	·c >				T		·			
30. Summary of Porous Zones (Include Acquifers): Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.									31. Formation (Log) Markers				
Form	Formation Top Bottom Descriptions, Co				riptions, Cont	ents, etc.		Name	Top Meas. Depth				
Yates 7 Rivers Queen Grayburg San Ands Glorieta Yeso 32. Additi-	res	1264 1564 2178 2575 2893 4375 4470	plugging pro	cedure):									
Elec Sund	ctrical/Mecl dry Notice y certify tha	hanical Log for pluggin	gs (1 full set a	req'd.) t verificati	Gen Con	ne appropriate ologic Report re Analysis mplete and co	DST Report Other:	☑ Direction rom all availab	al Survey Dile records (see attached instruction	s)*			
Signatu	olease print	ryl	list	Q. (Ja	ards	- Truc						
T'41- 10 II C	200	1001 1	77'-1 42 TT C		1010 1		. , .	1 1 111		-0.0 37.2.1			

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.



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

December 22, 2006

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

RE:

Shawnee Federal #4 1690' FSL & 1870' FEL Sec. 15, 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
281'	1/2°	4096'	1°
739'	1 3/4°	4567'	2 1/2°
962'	1/4°	4754'	2 3/4°
1237'	1/2°	4880'	2°
1456′	1/2°	5069'	2°
1895'	1/4°	5192'	2°
2359'	3/4°	5 44 1′	1 1/2°
2792'	3/4°	5692'	1 1/4°
3292'	1 3/4°	6040'	1°
3659'	1 3/40		

Very truly yours

Eddie C. LaRue Operations Manager

State of New Mexico }
County of Eddy }

The foregoing was acknowledged before me this 22nd day of December, 2006.

Notary Public

