Form 3160-4 (April 2004)

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

FORM APPROVED OMBNO 1004-0137 Expires. March 31, 2007

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	WELI	L CON	/IPLET	TION OR	RECOMPLE	TION I	REPOR	T AND) LOG			5 L	ease S	Senal No	LC-02934	2B	
Tunn of	туул Г	71043	/ ₄ 11	To- Wall	Dry Ot							6 If	India	n Allottee	or Tribe Na		
a Type of	_	_						. .			1	0		ii, i inotioe	01 11100 114		
b Type of	Completio	n	✓ Ne	w Well	Work Over	_Deepen	LPlu	g Back	Diff.	Resv	r,	7 11	nit or	CA Arree	ment Name	and N	
			Other.									<i>i</i> . Ui	int Of	CA Agree	ment Indine	unu IV	J
. Name o	of Operator	COC	Operati	ing LLC											V-11 Na		
	•	COG	Operati	ing LLC										Name and V			
Address	5 550 11/	T	D 11	100 35:41-	d, TX 79701		3a Pho	ne No. /	Include ar	ea coo	10)	9 A					
7144105	, 220 W.	i exas,	Suite 13	out, Midian	a, 1 X /9/01		I .	2-685-4						5-35649			
Locatio	n of Wall /	Danort le	oation o	lagely and in	annordanno tutto	E-Janal n	<u> </u>					10 Fi	eld ar	nd Pool, or	Exploratory		
Locano	on or wen (керогі п	ocunon c	ieariy ana in	accordance with	reaerai ri	equiremen	15) -							Glorieta '		
At surf	ace 1	156 FS1	. & 165	60 FEL, Uni	10												
At top	- prod interv					DEC	4 21	007				11. S	ec., T. urvey	.,R,M,oı orArea ^S	n Block and sec 9, T17S,	R30E	
At tota	l danth				(ocp.	-ARTI	ESIA					-	or Parish	13 Stat		
			1.5	D . TD D									ldy	(DE D			
4 Date S 08/06			15	Date T D Re 08/15/200			6 Date C		d 11/05 ✓ Ready			I/ E		ons (DF, R 697' GL	KB, RT, GI	.)*	
8. Total I	Depth M	D 5,97)	19	Plug Back T D	MD 5	920		20 Der	th Br	dge Plug	2 Set	MD		None		
	•	/D	•			_	200					,	TVD		10110		
						TVD											
l. Type E	lectric & (Other M	echanic	al Logs Run (Submit copy of e	ach)		- 1			cored?	✓No			mit analysis))	
CN/I	HNGS, M	icro CF	L/HN	GS						s DST		✓ No			mit report)		
									Dir	ection	al Survey	y? 🔽	No	Yes (S	ubmit copy)	
3. Casing	g and Line	r Recor	1 (Repo	ort all string	s set in well)												
Hole Size	Size/Gra	de Wi	. (#/ft)	Top (MD)	Bottom (MD)		Cementer		f Sks. &		lurry Vol	Ce	ment	Top*	Amount	Pulled	
	ļ			100 (112)		' De	Depth Type of Cement (BBL)			Coment rop							
17-1/2	13-3/8	48	#		400	<u> </u>		524	С				Sı	urface	Circ 480)	
12-1/4	8-5/8	32	#		1358			800	С				Sı	urface	Circ 360	1	
7-7/8	5-1/2	17	#		5970			1400	C				S	urface	Circ 281		

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4 Tubing	Pacord							L		.1							
	·	Cat (MID	N Dagler	- D4h (MD	\	Donth	Cat (MD)	D1	D4- (14)	<u> </u>	C:	(r)anth	Cat (MD)	Dagles D	anth /	ADV
Size		Set (MD	'	r Depth (MD) Size	Depui	Set (MD)	Packer	Depth (M)	"—	Size		epun	Set (MD)	Packer De	spin (r	AD)
2-7/8	5722		Non	ie .	<u> </u>	12	D 0 .:	L									
.5 Produc	ing Interva						Perforation		l								
	Formation) 		Тор	Bottom		Perforated	Interval		Size	1 :	No Holes		I	Perf Status		
Yeso						4900	- 5100		2	SPF	36			Open			
3) Yeso						5210	- 5410	5410 2 SPF 36					Open				
C) Yeso						5499	- 5700		2	SPF	48	 		Open			
D)				·····							_						
	racture. Tr	eatment.	Cement	Squeeze, etc	1												
	Depth Interv						A	mount a	nd Type of	f Mate	enal						
4900 - 5				Acidize w	5,500 gals acid.	Frac w/											
5210 - 5					5,730 gals acid.												
5499 - 5					5,00 gals acid. F							0 130#	16/20	cand	·····		
5777-3	, 50			Actuize W/	o,oo gais aciu. F	. ac w/ 0.	J, TJ / gals	gei, 40	137# L/IIE	тор	14/30, 5	7,130#	10/30	sailu.			
10 Drod.	etion Inter	nual A															
28 Produ Date First	Test Inter	Hours	Test	Oil	Geo. I.	Water	0.1.0	****	Gas		D- 1	- 14 d	nd	31. 51			
Produced	Date	Tested	Produ			Water BBL	Oil Gra Cort A	PI PI	Gravi	ty	Produc	ctron Meth		, Legis	maker is control	wit to a	i k je koja vije se i s
1/06/2007	11/13/2007	24	-	125		336	36.8			•	Pum	ping ;					
Choke	Tbg Press	Csg	24 Hr		Gas	Water	Gas/Oil		Well S	tatus							
Size	Flwg	Press.	Rate	BBL		BBL	Ratio		,,,,,,	43			: []	۸۵۵	PTED I		S BEU
	SI			▶					1		Prod	lucing	. /	400E		U	11110
28a Produ	iction - Inte	erval B					<u> </u>					i	-				
Date First	Test	Hours	Test	Oil		Water	Oil Gra	vity	Gas	-	Produc	ction Meth	od	- -			
Produced	Date	Tested	Produc		MCF 1	BBL	Corr A	Pľ	Gravity			1 (1.1.24)	7		NOV 2) ያ	2007
											1	•	1	-	110 Y Z	. 0	LUUI
Choke	Tbg Press	Csg	24 Hr	Oil PD1		Water	Gas/Oil		Well St	atus		:	\top				
Size	Flwg SI	Press	Rate	BBL	MCF	BBL	Ratio						1	<u> </u>	LEAT	2 / 121	VAV
															LES	SHE.	1 AN
*(See ins	tructions at	nd space.	s for ada	litional data d	n page 21									PE	ROLEU	IVI C	NUTIVE

Date First Test Production Methods Production Production Methods Production P	28b. Produ	iction - Inte	rval C										
Size Pries				Production	O ₁ I BBL	Gas MCF	Water BBL	Oil Gravity Corr. API		Production Method			
Date First Fest Float		Flwg.			Oil BBL				Well Status				
Date First Fest Float	28c Prod	uction - Inte	erval D			 	1		 				
Solution of Cest (Solid, used for fuel, vented, etc.)	Date First	Test	Hours	Production				Oil Gravity Corr. API	Gas Gravity	Production Method			
SOLD 30. Surmary of Porous Zones (Include Aquifers): Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval lested, cushion used, time tool open, flowing and shot-in pressures and recoveries. Formation Top Bottom Descriptions, Contents, etc. Name Top Meas. Depth Yates 1246 7 Rivers 1542 Queen 2141 Grayburg 2554 San Andres 2868 Glorieta 4289 Yeso 4396 32. Additional remarks (include plugging procedure): 33. Indicate which itmes have been attached by placing a check in the appropriate boxes: San Andres San Andres		Flwg.		I .	Oil BBL				Well Status				
Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval lested, cushion used, time tool open, flowing and shut-in pressures and recoveries. Formation Top Bottom Descriptions, Contents, etc. Name Top Meas Depth Yates 1246 7 Rivers 1542 Queen 2141 Grayburg 2554 San Andres 2868 Glorieta 4289 Yeso 4396 32. Additional remarks (include plugging procedure): 33. Indicate which itmes have been attached by placing a check in the appropriate boxes: Standard Standard													
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San Andres 2868 Glorieta 4289 Yeso 4396 32. Additional remarks (include plugging procedure): 33. Indicate which itmes have been attached by placing a check in the appropriate boxes: Geologic Report DST Report Directional Survey	Queen		2141										
33. Indicate which itmes have been attached by placing a check in the appropriate boxes: Selectrical/Mechanical Logs (1 full set req'd.) Geologic Report Directional Survey	Graybur	·e	2554								ĺ		
Yeso 4396 32. Additional remarks (include plugging procedure): 33. Indicate which itmes have been attached by placing a check in the appropriate boxes: Security Sundry Notice for plugging and cement verification Core Analysis Other: 34. Thereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions)* Name (please prim) Kanicia Carrillo Title Regulatory Analyst Name (please prim) Kanicia Carrillo Name (please prim) Name (please prim) Kanicia Carrillo Name (please prim) Name (please prim)	-	-			İ						İ		
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☐ Electrical/Mechanical Logs (1 full set req'd.) ☐ Geologic Report ☐ DST Report ☐ Directional Survey ☐ Sundry Notice for plugging and cement verification ☐ Core Analysis ☐ Other: 34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions)* Name (please print)	32. Addi	tional rema	rks (includ	e plugging p	rocedure):		Ö						
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Sundry Notice for plugging and cement verification						•							
Name (please print) Kanicia Carrillo Title Regulatory Analyst				• .			-		Direction	nal Survey			
Name (pieuse pinn)	34. I here	by certify t	hat the fore	going and a	tached info	ormation is co	mplete and	correct as determined	l from all availa	able records (see attached instruction	ons)*		
11/20/2007	Name	(please prii	nt) K	Canicia Car	rillo			Title Regula	atory Analys	t			
	Signa	ture						Date 11/20/	2007				

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.

DISTRICT I 1625 N. PRENCH DR., BOBBS, NM 88240

DISTRICT IV



State of New Mexico Energy, Minerals and Natural Resources Department

Form C-102 Revised October 12, 2005

Submit to Appropriate District Office State Lease - 4 Copies Fee Lease - 3 Copies

DISTRICT II OIL CONSERVATION DIVISION 1301 W. GRAND AVENUE, ARTESIA, NM 88210

DISTRICT III 1000 Rio Brazos Rd., Aztec, NM 87410

1220 SOUTH ST. FRANCIS DR. Santa Fe, New Mexico 87505

DISTRICT IV 1220 S. ST. FRANCIS DR., SANTA PR, NM 87505	WELL LOCATION AND	ACREAGE DEDICATION PLAT	□ AMENDED REPORT			
API Number	Pool Code	Pool Name				
30-015-35649	96718	Loco Hills; Glorieta-Yeso				
Property Code	Prop	erty Name	Well Number			
302547	POLARIS	B FEDERAL	6			
OGRID No.	Oper	ator Name	Elevation			
229137	COG OPE	RATING, LLC	3697'			

Surface Location

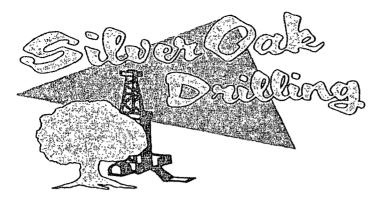
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
0	9	17-S	30-E		1156	SOUTH	1650	EAST	EDDY

Bottom Hole Location If Different From Surface

UL or lot No. Section Town	hip Range Lo	t idn Feet from the	T			
!!!		reet from the	North/South line	Feet from the	East/West line	County
Dedicated Acres Joint or Infil	Consolidation Code	e Order No.				<u> </u>

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED

 OR A NON-STANDARD UNIT HAS BEEN APPROVED BY TH	E DIVISION
	OPERATOR CERTIFICATION I hereby certify that the information herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division. Levy J. 12/13/06 Rignature Date Jerry W. Sherrell Printed Name
GEODETIC COORDINATES NAD 27 NME Y=671254.6 N X=610596.7 E	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.
LAT. = 32.844846* N LONG. = 103.973224* W 3693.4' 3696.2' 600'	NOVEMBER 21, 2006 Date Surveyed LA Signature & Seal of Professional Surveyor ANY A 20m /2/07/06 06.11.1795 Certificate No. GARY EIDSON 12641



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

August 23, 2007

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

RE:

Polaris B Federal #6 1156' FSL & 1650' FEL Sec. 9, 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
202.00	0.50	3031.00	1.00
360.00	0.75	3321.00	1.00
534.00	0.50	3634.00	1.00
702.00	0.25	3925.00	0.75
1208.00	1.50	4211.00	1.00
1508.00	0.75	4493.00	1.50
1824.00	0.50	4816.00	1.00
2124.00	0.50	5105.00	0.75
2400.00	0.50	5398.00	1.00
2718.00	0.50	5706.00	1.00

Very truly yours,

Eddie LaRue

Operations Manager

State of New Mexico }

County of Eddy }

Notary Publi

The foregoing was acknowledged before me this 23rd day of August, 2007.

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

My commission expires lug. 30, 3008