Form 3160-4 (August 2007)



UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMEN

OCD Artesia

FORM APPROVED OMB No 1004-0137 Expires July 31, 2010

5. Lease Serial No.

WELL COMPLETION OR RECOMPLETION REPORTARIO LO 2010

2 Name of Operator COG OPERATING LLC E-Mail: kcarrillo@conchoresources.com 8. Lease Name and Well No MIRANDA FEDERAL 2 3 Address 550 W TEXAS, STE 1300 FASKEN TOWER II MIDLAND, TX 79701 4 Location of Well (Report location clearly and in accordance with Federal requirements)* At surface SWNE Lot G 2310FNL 2260FEL 8. Lease Name and Well No MIRANDA FEDERAL 2 9. API Well No. 10. Field and Pool, or Exploratory LOCO HILLS GLORIETA-YES 11. Sec., T., R., M., or Block and Su													1	NIVILCO	J29342L	ر				
Other	٠.			_							ARTE	SIA	17	. If Indian	, Allotte	e or T	ribe Nan	ne	—	
Address 580 W FEARS, STE 300 P ASKEN TOWER	b Type of	`Completion	Plug Back Diff. Resvr.					7 Unit or CA Agreement Name and No.												
MIDLAND_TX_79701			LLC	E	-Mail: kc					LO			1						_	
At surface SWNE Lot G 2310FNL 2260FEL At top prod interval reported below SWNE Lot G 2130FNL 2260FEL 32.85033 N Lat, 103.97521 W Lon At top prod interval reported below SWNE Lot G 2130FNL 2260FEL 32.85033 N Lat, 103.97521 W Lon 12. Date Synded O2/14/2010	3 Address				SKEN TO	WER	1				e area code	e)	19). API Wel)-015-	37332-0	00-S1		
At top prod interval reported below At total depth SWNE Lot G 2130FNL 2280FEL 32.85033 N Lat, 103.97521 W Lon At total depth At total depth SWNE Lot G 2130FNL 2280FEL 32.85033 N Lat, 103.97521 W Lon At total depth SWNE Lot G 2130FNL 2280FEL 32.85033 N Lat, 103.97521 W Lon At total depth SWNE Lot G 2130FNL 2280FEL 32.85033 N Lat, 103.97521 W Lon At total depth SWNE Lot G 2130FNL 2280FEL 32.85033 N Lat, 103.97521 W Lon Total Depth: MD						rdance v	with Fede	eral requ	iirements)*									$\overline{/}$	
At total depth											2 85033 N Lat 103 97521 W Lon					11. Sec., T., R., M, or Block and Survey or Area Sec 9 T17S R30E Mer NMP				
20/207/2010 02/14/2010 03/201			•							,	JJ.J7 JE 1	VV L			or Paris	sh			_	
TVD																				
Was DST run	18. Total D	epth:				19. Pluş	g Back T	.D .				20.	Depth	Bridge Pl	ug Set:					
Hole Size Size/Grade Wt. (#/ft) Top Bottom CMD) Bottom CMD Depth Type of Cement Type	21. Type El COMPE	lectric & Oth ENSATEDN	er Mecha EUT		un (Subn	it copy	of each)				Was	DST	run?	No No		Yes (S	Submit a	nalysıs)	
17.500	23. Casing ar	nd Liner Rece	ord (Repo	ort all strings	s set in we	·11)					Dire	CHOIL	ai Suiv	ey 🛛 No	<u>' </u>	168 (3	sublint a	ilaiysis,		
17.500	Hole Size	Size/G	rade	Wt. (#/ft)				1 ~					•	I Cen	nent Top)*	Amoun	t Pulled	d	
11 000	17 500	13.3	75 H-40	48.0		0	345				47	5				이				
11.000	17.500	13.3	375 H40	48.0		0	360				102	25				0			0	
7.875	11 000			24.0		0	1300				50	00				0			_	
T. 8.75	11.000	8.	625 J55	24.0		0	1335				55	0				0			0	
24 Tubing Record	7.875	5.5	500 J-55	15.5		0	6000				90	00			11	100		·		
Size Depth Set (MD) Packer Depth (MD)			500 J55	17.0		0	6023				90	00				0			0	
2.875 5621 25. Producing Intervals 26. Perforation Record Size No. Holes Perf. Status A) YESO 4880 TO 5080 0.410 26 OPEN B) BLINEBRY 4880 5620 5150 TO 5350 0.410 26 OPEN C) 5420 TO 5620 0.410 26 OPEN D) 27. Acid, Fracture, Treatment, Cement Squeeze, Etc. Depth Interval A880 TO 5080 ACIDIZE W/2.500 GALS 15% ACID 4880 TO 5080 FRAC W/124,000 GALS GEL, 141,922# 16/30 WHITE SAND, 33,661# SIBERPROP SAND 5150 TO 5350 ACIDIZE W/2.500 GALS 15% ACID 5150 TO 5350 ACIDIZE W/2.500 GALS 15% ACID 5150 TO 5350 FRAC W/125,000 GALS GEL, 143,400# WHITE SAND, 32,335# SIBERPROP 28. Production - Interval ADate Production BBL MCF BBL MCF BBL Gravity Froduction Method Gravity	24 Tubing	Record																		
26. Perforation Record Size No. Holes Perf. Status		Depth Set (N	1D) P	acker Depth	(MD)	Size	Dept	h Set (N	ID) P	acker De _l	oth (MD)	S	ize	Depth Se	et (MD)	Pa	icker De	pth (M	D)	
Formation			5621		<u></u>		<u> </u>													
A) YESO					·-····································															
B				Тор		Botton		Po	erforated			S					Perf. Sta	tus		
C) 5420 TO 5620 0.410 26 OPEN																				
Digital Digi		BLINE	BRY		4880	56	520													
Depth Interval							_			5420 T	O 5620		0.410	<u> </u>	26 O	PEN		····		
Depth Interval		racture Treat	ment Cer	ment Saucez	e Etc															
4880 TO 5080 ACIDIZE W/2,500 GALS 15% ACID 4880 TO 5080 FRAC W/124,000 GALS GEL, 141,922# 16/30 WHITE SAND, 33,661# SIBERPROP SAND 5150 TO 5350 ACIDIZE W/2,500 GALS 15% ACID 5150 TO 5350 FRAC W/ 125,000 GALS GEL, 143,400# WHITE SAND, 32,335# SIBERPROP 28 Production - Interval A Date First Produced Date Tested Production BBL MCF BBL Corr API Gravity Choke Tbg Press Press Press Press Production - Interval B Date First Test Date Production - Interval B Date First Test Date Production - Interval B Date First Test Date Production BBL MCF BBL Gas Water BBL Ratio BBL MCF BBL Gravity Test Doll Gas Water Gas Oil Ratio Production APP OIL Gravity Gas Flwg Press Production - Interval B Date First Test Date Production BBL MCF BBL Gas Water Gravity Gas				T Squeez	c, Btc.				۸,	nount and	Type of	Mater	rial .						—	
A880 TO 5080 FRAC W/124,000 GALS GEL, 141,922# 16/30 WHITE SAND, 33,661# SIBERPROP SAND		<u> </u>		080 ACIDIZ	= W/2 500	GALS 1	5% ACIE)		nount and	турс от	viatei	ıaı						—	
S150 TO 5350 ACIDIZE W/2,500 GALS 15% ACID S150 TO 5350 FRAC W/ 125,000 GALS GEL, 143,400# WHITE SAND, 32,335# SIBERPROP 28									/30 WHIT	E SAND.	33.661# SI	BERF	PROP S	SAND				-	—	
28 Production - Interval A Date First Test Date Dat		51	50 TO 5	350 ACIDIZI	E W/2,500	GALS 1	5% ACIE)		,				•					—	
Date First Date First Date Date Production Date Date Production Date Date Date Date Date Date Date Date	1.191.6	51	50 TO 5	350 FRAC V	V/ 125,000	GALS (GEL, 143	,400# W	HITE SAI	ND, 32,33	5# SIBERF	PROP								
Produced O3/15/2010 Date Tested D3/20/2010 Production 198 0 Size Tested Date First Produced Date Tested Date Tested Date Relate BBL MCF	28 Producti	ion - Interval	Α																_	
O3/15/2010 O3/20/2010 24													Pı	roduction Meth	hod					
Size Flwg 70 Press 70.0 Rate 198 MCF 353 BBL 751 Ratio POW ACCEPTED FOR RECOR 353 POUnction - Interval B Date First Produced Date Hours Tested Production BBL MCF BBL MCF BBL Oil Gravity Corr API Gravity Gr		i			1	- 1					Glavi			ELI	ECTRIC	PUMP	ING UNI	т		
28a Production - Interval B Date First Produced Date Tested Production BBL MCF BBL Corr API Gas Gravity APP 2 0 2010 Choke Tbg Press Csg Flwg Press Rate BBL MCF BBL Ratio BUREAU OF LAND MANAGEMENT		Flwg 70	Press		BBL	MCF	F	BBL		ıj		Status	ACC	EPTE	D FC)R F	RECO	RD		
Produced Date Tested Production BBL MCF BBL Corr API Gravity APR 2 0 2010 Choke Tbg Press Csg Press Press Press Press Press BBL MCF BBL Ratio BUREAU OF LAND MANAGEMENT	28a Produc		<u></u>		1 133	`		701				. 5٧							_	
Produced Date Tested Production BBL MCF BBL Corr API Gravity APR 2 0 2010 Choke Tbg Press Csg Press Press Press Rate BBL MCF BBL Ratio BUREAU OF LAND MANAGEMENT											Gas		P	roduction Meth	od	001	- 		—	
Size Flwg Press Rate BBL MCF BBL Ratio BUREAU OF LAND MANAGEMENT	Produced	Date	Tested	Production	BBL	MCF		BBL	Corr	API	Gravi	ity		44A '~ ' ~'	. – •			1		
les I I I I I I I I BUREAU UF LAND MANAGEMENT			Csg							ıl	Well	Status								
	J126		1 (1033	Naic	ODL,	MCF		,DL	Kano				BU	REAU OF CARLSB.	LAND N AD EIFI	VANA D.OF	GEMEN	T		

(See Instructions and spaces for additional data on reverse side)
ELECTRONIC SUBMISSION #84403 VERIFIED BY THE BLM WELL INFORMATION SYSTEM
** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED **



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	luction - Interv									,			
Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr API	Gas Gravi	ity	Production Method			
Choke Size	Tbg Press Flwg SI	Csg Press	24 Hr Rate	Oil BBL	Gas MCF	Water BBL	Gas Oil Ratio	Well	Status		· · · · · · · · · · · · · · · · · · ·	••	
28c. Proc	luction - Interv	al D			•	<u> </u>							
Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr API	Gas Grav	ity	Production Method			
Choke Size	Tbg Press Flwg SI	Csg Press	24 Hr Rate	Oil BBL	Gas MCF	Water BBL	Gas Oil Ratio	Well	Status				
SOL		•	,	. ,		<u> </u>	_ 1						
	nary of Porous	,	•	1					31 For	mation (Log) Ma	rkers		
tests,	all important including deptection	zones of p h interval	orosity and co tested, cushic	ontents there on used, tim	eof: Cored in e tool open,	ntervals and flowing and	all drill-stem d shut-in pressure	es					
	Formation	Î	Тор	Bottom		ons, Contents, etc			Name		Top Meas. Depth		
Acid, 5420	tional remarks , Fracture, Tre	eatment, IZE W/2,	Cement Squ 500 GALS 1	eezé etc. 6 5% ACID	SAN DOI SAN DOI SAN	LOMITE & ND & DOLE LOMITE & ND .	ANHYDRITE	ITE					
1. EI	e enclosed atta ectrical/Mecha indry Notice fo	ınıcal Log	`	• ′		2. Geologio 6. Core An			DST Re	port	4. Direction	nal Survey	
	eby certify that c (please print)		Electi Committed t	ronic Subm For o AFMSS f	ission #844 · COG OPE	03 Verified CRATING	l by the BLM W LLC, sent to the RYLE RYAN o	ell Inforn e Carlsba	nation Sys d 010 (10Ci		ached instruction	ons)·	
Signa	nture	(Electror	nic Submissi	on)			Date 0	4/08/2010	0	V. F			