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Form 3160-47AR 2 9 2010 (August 2007) AR 2 9 2010

#### **UNITED STATES** DEPARTMENT OF THE INTERIOR **BUREAU OF LAND MANAGEMENT**

OCD Hobbs

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

HOBBSOCO BUREAU OF LAND MANAGEMENT
WELL COMPLETION OR RECOMPLETION REPORT AND LOG

8 11 000	WELL	ĊŎMPL	ETION (	OR RE	CON	IPLET	ION R	EPOR	T AND	LOG			ease Serial 1 NMLC0294				
la. Type o	f Well	Oil Well	Gas	Well	□ Dr		Other		<del></del>			6. II	Indian, Alle	ottee or	Tribe Nan	ne	
b. Type o	D. Type of Completion New Well Work Over Deepen Plug Back Diff. Resvr. Other							Resvr.	7. t	7. Unit or CA Agreement Name and No.							
2. Name of Operator Contact: KANICIA CARRILLO 8. Lease Name and Well No. COG OPERATING LLC E-Mail: kcarrillo@conchoresources.com BC FEDERAL 50									II No.								
3. Address 550 W TEXAS AVE SUITE 1300 MIDLAND, TX 79701 3a. Phone No. (include area code) Ph: 432-685-4332 90-025-39468-00-S									00-S1								
4 Location of Well (Report location clearly and in accordance with Federal requirements)*  Sec 19 T17S R32E Mer NMP  10. Field and Po									ool, or I	exploratory	L bst						
At surface SWNE 1588FNL 1650FEL  At top prod interval reported below  At top prod interval reported below  At top prod interval reported below											Block and	Survey					
At total													County or P EA	arish	13. Sta		
14. Date S 11/27/2	pudded			15. Date T.D. Reached 16. 12/09/2009						Date Completed D & A Ready to Prod. 12/30/2009				17. Elevations (DF, KB, RT, GL)* 3957 GL			
18. Total I	Depth.	MD TVD	6920 6920		19. P	lug Bacl	T D.:					epth Br	epth Bridge Plug Set: MD TVD				
21. Type E CNL	lectric & Otl	her Mecha	nical Logs I	Run (Subi	nit cop	py of eac	h)				well con	ed?	No No		(Submit a	nalysis)	
CINL										Dire	ctional S	urvey?		☐ Yes ☐ Yes	(Submit au (Submit au	naiysis) nalysis)	
23. Casing a	nd Liner Rec	ord (Repo	ort all string	s set in w	ell)												
Hole Size	Size/C	irade	Wt. (#/ft.)	#/ft.) Top (MD)		Bottom (MD)		Stage Cement Depth		of Sks. & of Cement			Cement 7	Гор*	Amoun	t Pulled	
17.500		375 H-40	48.0	48.0 0		711			650		0			0			
11.000		625 J-55	32.0	0		2118				70	0			0			
7.875	5 5	.500 L80	17.0	0		69	06			115	0		<u></u>	이			
				ļ		**			_		—		ļ				
	<del> </del>			1	-				<del></del>				ļ				
24. Tubing	Record		L_	1			i				<u>l</u>		<u> </u>	l			
Size	Depth Set (N	MD) P	acker Depth	(MD)	Size	De	pth Set (1	MD)	Packer D	epth (MD)	Size	D	epth Set (Mi	D)	Packer Dep	oth (MD)	
2.875		6411															
25. Produci		· · · · · · · · · · · · · · · · · · ·				2	26. Perfor	ation Re	cord							۸.	
	ormation		Тор			ottom P 5470		Perforate	forated Interval			_	No. Holes Perf. Stat		tus		
A)	PADI	<del></del>		5334								000 18 OPEN					
B)	BLINE	YESO		5337 5690		6640				5334 TO 5470 5690 TO 6090 0.0			18 OPEN				
D)	DLINI	EBRT	·	5690 6640			5690 TO 6090 0.0					000	26 OPEN 26 OPEN				
<u> </u>	racture, Treat	tment, Cer	nent Squeez	e, Etc.					3090	10 0090			. 20	OPEN	· · · · · · · · · · · · · · · · · · ·		
	Depth Interv	al							Amount a	nd Type of	Material						
	53	34 TO 54	470 gal acid	i i													
		gal gel, 106042# 16/30 WS, 12162# 16/30 siberprop															
			470 ACIDIZ							<del> </del>							
5334 TO 5470 FRAC W/ 105,669 GALS GEL, 106,042# 16/30 WHITE SAND, 12,162# 16/30 SIBERPROP  28. Production - Interval A																	
Date First	Test	Hours	Test	Oil	Ga	ıs	Water	Toil	Gravity	Gas	$-\Delta \epsilon$	Produc	Rot Method F	<del>NR</del>	<del>RFCO</del>	<del>RD -</del>	
Produced 01/04/2010	Date 01/10/2010	Tested 24	Production	BBL 146.0	M	CF 26.0	BBL 597.	Cor	7 API 37 8	Grav	ty   Λ\ 0 6φ				IPING UNI	1	
Choke Size	Tbg Press Flwg 70 SI	Csg Press 70.0	24 Hr Rate	Oil BBL 146	Ga M	CF	Water BBL	Rati		Well	Status		MAR 2	3 20	)10		
28a Produc	tion - Interva	<u> </u>		140		26	597		178		POW	1.	s/ Chri	s ₩	alls		
Date First	Test	Hours	Test	Oil	Ga		Water	Oil	Gravity	Gas	_	Product	poù MathodAN	D MAN	AGENIEN		
Produced 01/04/2010	Date 01/10/2010	Tested 24	Production	BBL 146 0		CF 26.0	BBL 597.0	Cor	т АРІ <sup>*</sup> 37.8	Grav	ty 0.60	CA	RLSBAD F	ĬĘĹŊ (	FFICE	<u> </u>	
Choke Size	Tbg Press Flwg 70 SI	Csg` Press 70.0	24 Hr Rate	Oil BBL 146	Ga M	os CF 26	Water BBL 597	Gas Rati		Well	Status POW		V				
(C I :	<u> </u>	L					1					4	6				

Topic   Part	*												
Data   Tends   Production   Bolt   MCT   Bolt   Cur Arr   Georgy		duction - Interv	al C										
Size   Profession   Profession   Profession   Profession   Discontinuous   Profession   Discontinuous   Profession   Discontinuous   Discont											Production Method		
Due Frint Test Pends Production Michael McC Out. Cert Art Greining Production Method  Cooke The Print Rate Dist. McC Dist. McC Dist. Cert Art Greining Production Method  Cooke Print Rate Dist. McC Dist. McC Dist. Ratio  29. Disposition of Gas/Sold, used for feet, vertical, etc.)  30. Summary of Portous Zones (Include Aquilets):  Show all important zones of prossity 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.  Formation Top Bottom Descriptions, Contents, etc. Name Top Meas Dist. ANA MADRES 2633 SAN ANADRES 2633 SAN ANADRES 3712 SAN SAN ANADRES 3712 SAN		Flwg							w	ell Status	• · · · · · · · · · · · · · · · · · · ·		
Date   Tread   Production   Discription   Discription   Cord APT   Greaty	28c. Proc	luction - Interv	al D		<u> </u>			<del>!</del>				••	
Price   Pric											Production Method		
30. Summary of Porous Zones (Include Aquifers): Show all important zones of proxity 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  Formation  Top Bottom Descriptions, Contents, etc. Name Top Meas. Dep Wess. Dep		Flwg							w	ell Status		.=	
30. Summary of Porous Zones (Include Aquifers): 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.  Formation Top Bottom Descriptions, Contents, etc. Name Top Meas. Del QUEEN 2963 SAND ANA MORES 3715 GLORIETTA 5222 SAND DOLOMITE & SAND SOLOMITE & SAND SAND ANDRES 3715 GLORIETTA 5222 SAND & DOLOMITE & ANHYDRITE SAND SAND ANDRES 3715 GLORIETTA 5222 SAND & DOLOMITE & ANHYDRITE SAND SAND ANDRES 5324 DOLOMITE & ANHYDRITE SAND SAND ANDRES 5324 DOLOMITE & ANHYDRITE SAND SAND & DOLOMITE & ANHYDRITE SAND SAND & DOLOMITE & ANHYDRITE SAND SAND & DOLOMITE & SAN	29. Dispo	osition of Gas(S	Sold, used	for fuel, ven	ted, etc.)	<u> </u>	.I		L_				
Pormation Top Bottom Descriptions, Contents, etc. Name Meas. Dej Del. Online & SAND & Dol. Online & SAND	30 Summ Show tests,	mary of Porous all important including dept	zones of p	orosity and c	ontents ther	eof: Cored in the tool open,	ntervals and flowing an	l all drill-stem d shut-in pressu	ıres	31. For	mation (Log) Ma	arkers	
VATES OLIVEN SAN ANDRES 3715 SAN ANDRES 3715 SAN DOLOMITE & ANHYDRITE SAND & SA		Formation		Тор	Bottom		Description	ons, Contents, e	etc.		Name		Top Meas. Depth
Acid, Fracture, Treatment, Cement Squeeze etc. continued  6160-6360 ACIDIZE W/3,500 GALS 15% ACID. 6160-6360 FRAC W/ 124,710 GALS GEL, 144,422# 16/30 WHITE SAND, 31,138# 16/30 SIBERPROP. 6440-6640 ACIDIZE W/3,500 GALS 15% ACID. 6440-6640 FRAC W/125,550 GALS GEL, 143,117# 16/30 WHITE SAND, 31,870# 16/30 SIBERPROP.  33. Circle enclosed attachments:  1. Electrical/Mechanical Logs (I full set req'd.) 2. Geologic Report 3. DST Report 4. Directional Survey 5. Sundry Notice for plugging and cement verification 6. Core Analysis 7 Other:  34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions):  Electronic Submission #81679 Verified by the BLM Well Information System.  For COG OPERATING LLC, sent to the Hobbs Committed to AFMSS for processing by KURT SIMMONS on 02/22/2010 (10KMS0264SE)  Name (please print) KANICIA CARRILLO  Title PREPARER	QUEEN 2963 SAN ANDRES 3715 GLORIETTA 5222 YESO 5324					SAN DOI SAN DOI	ND LOMITE & ND & DOL LOMITE &	ANHYDRITE OMITE					ineds. Depti
Acid, Fracture, Treatment, Cement Squeezé etc. continued  6160-6360 ACIDIZE W/3,500 GALS 15% ACID. 6160-6360 FRAC W/ 124,710 GALS GEL, 144,422# 16/30 WHITE SAND, 31,138# 16/30 SIBERPROP.  6440-6640 ACIDIZE W/3,500 GALS 15% ACID. 6440-6640 FRAC W/125,550 GALS GEL, 143,117# 16/30 WHITE SAND, 31,870# 16/30 SIBERPROP.  33. Circle enclosed attachments:  1. Electrical/Mechanical Logs (I full set req'd.) 2. Geologic Report 3. DST Report 4. Directional Survey 5. Sundry Notice for plugging and cement verification 6. Core Analysis 7 Other:  34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions):  Electronic Submission #81679 Verified by the BLM Well Information System.  For COG OPERATING LLC, sent to the Hobbs Committed to AFMSS for processing by KURT SIMMONS on 02/22/2010 (10KMS0264SE)  Name (please print) KANICIA CARRILLO  Title PREPARER													
6160-6360 FRAC W/ 124,710 GALS GEL, 144,422# 16/30 WHITE SAND, 31,138# 16/30 SIBERPROP. 6440-6640 ACIDIZE W/3,500 GALS 15% ACID. 6440-6640 FRAC W/125,550 GALS GEL, 143,117# 16/30 WHITE SAND, 31,870# 16/30 SIBERPROP.  33. Circle enclosed attachments:  1. Electrical/Mechanical Logs (1 full set req'd.)  2. Geologic Report  3. DST Report  4. Directional Survey  5. Sundry Notice for plugging and cement verification  6. Core Analysis  7 Other:  34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions):  Electronic Submission #81679 Verified by the BLM Well Information System.  For COG OPERATING LLC, sent to the Hobbs  Committed to AFMSS for processing by KURT SIMMONS on 02/22/2010 (10KMS0264SE)  Name (please print) KANICIA CARRILLO  Title PREPARER						continued							
6440-6640 FRAC W/125,550 GALS GEL, 143,117# 16/30 WHITE SAND, 31,870# 16/30 SIBERPROP.  33. Circle enclosed attachments:  1. Electrical/Mechanical Logs (1 full set req'd.)  2. Geologic Report  3. DST Report  4. Directional Survey  5. Sundry Notice for plugging and cement verification  6. Core Analysis  7 Other:  34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions):  Electronic Submission #81679 Verified by the BLM Well Information System.  For COG OPERATING LLC, sent to the Hobbs  Committed to AFMSS for processing by KURT SIMMONS on 02/22/2010 (10KMS0264SE)  Name (please print) KANICIA CARRILLO  Title PREPARER						2# 16/30 W	VHITE SAI	ND, 31,138# 1	6/30 SIB	ERPROP.			
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Name (please print) KANICIA CARRILLO Title PREPARER	34. I herel	by certify that		Electi	onic Subm Fo	ission #816' or COG OP	79 Verified ERATING	l by the BLM \ LLC, sent to	Well Info	rmation Sys	stem.	ached instruction	ons):
Signature (Electronic Submission)  Date 02/19/2010	Name	(please print)				or processi	ng by KUF			· ·	v13U404SE)		
	Signat	ture	(Electron	ic Submissi	on)			Date	02/19/20	10			
						-							

## Additional data for transaction #81679 that would not fit on the form

### 26. Perforation Record, continued

Perf Interval	Size	No. Holes	Perf Status
6160 TO 6360		26	OPEN
6160 TO 6360	0.000	26	OPEN
6440 TO 6640		26	OPEN
6440 TO 6640	0.000	26	OPEN

## 27. Acid, Fracture, Treatment, Cement Squeeze, etc., continued

Depth Interval	Amount and Type of Material
5690 TO 6090	gal acid
5690 TO 6090	gal gel, 143267# 16/30 WS, 31585# 16/30 siberprop
5690 TO 6090	FRAC W/ 124,874 GALS GEL, 143,267# 16/30 WHITE SAND, 31,585# 16/30 SIBERPROP.
5690 TO 6090	ACIDIZE W/3,500 GALS 15% ACID.
6160 TO 6360	gal gel, 144422# 16/30 WS, 31138# 16/30 siberprop
6160 TO 6360	gal acid
6440 TO 6640	gal gel, 143117# 16/30 WS, 31870# 16/30 siberprop
6440 TO 6640	gal acid

### 32. Additional remarks, continued