Form 3160-5 (August 2007)						FORM APPROVED OMB NO. 1004-0135 Expires: July 31, 2010			
	SUNDRY	NOTICES AND REPORT			5. Lease Serial No. NMLC056551A				
	abandoned we	II. Use form 3160-3 (APD)	for such p	proposals.		6. If Indian, Allottee c	or Tribe Name		
	SUBMIT IN TRI	PLICATE - Other instruction	ons on rev	verse side.		7. If Unit or CA/Agree	ement, Name and/or No.		
1. Type of Well	Gas Well 🔲 Otl	ner			<u> </u>	8. Well Name and No. HOLDER CB FED			
2. Name of Ope		Contact: KA E-Mail: kcastillo@cor				9. API Well No. 30-015-31891-0)0-S1		
3a. Address ONE CON MIDLAND,		O W ILLINOIS AVENUE	b. Phone No -432-68	6. (include area code 5-4332)	10. Field and Pool, or LOCO HILLS	Exploratory		
4. Location of V	Vell (Footage, Sec., T	., R., M., or Survey Description)	1 ****	11. County or Parish, and State					
Sec 17 T17	7S R30E SWNW 23	310FNL 990FWL	JL	N 14 2013	j	EDDY COUNTY	(, NM		
<u></u>			INMO		AL				
		ROPRIATE BOX(ES) TO E					K DATA		
TYPE OF	SUBMISSION				F ACTION				
🔀 Notice of	Intent	Acidize	🛛 Dee	-		ction (Start/Resume)	Water Shut-Off		
🗖 Subseque	ent Report	Alter Casing Casing Repair	—	ture Treat Construction	🗖 Reclaı 🗖 Recon		Well Integrity Other		
Final Aba	andonment Notice	□ Change Plans	—	g and Abandon		orarily Abandon			
		Convert to Injection			U Water	•			
following con testing has be determined th	npletion of the involved en completed. Final Al at the site is ready for f	rk will be performed or provide the l operations. If the operation result andonment Notices shall be filed o inal inspection.) deepen and recomplete this	s in a multipl only after all	e completion or reco requirements, incluc	ompletion in a	a new interval, a Form 316	0-4 shall be filed once		
Full Proced	dure is attached.					SUBJECT T			
Deepening	Procedure	SEE AT	TACHE	D FOR		APPROVAL	BI SIAIE		
1. MIRU rig		CONDI	TIONS	OF APPRC)VAI	Accepte	ed for record		
3. Sqz Pad 4. Sqz San		of Class C neat. 00 sx of Class C cmt.				N	MOCD		
Alu	Jaysin	luce current	+ pro	posed u	self t	sore dial	rams 4/19/aug		
14. I hereby cert	ify that the foregoing is	Electronic Submission #208	3846 verifie	d by the BLM We	II Informatio				
	Comm	itted to AFMSS for processin	g by JOHN	C, sent to the C	arisbad on 05/31/20	13 (13JLD0902SE)			
Name(Printed	d/Typed) KANICIA (CASTILLO		Title PREPA	RER				
Signature	(Electronic S	Submission)		Date 05/29/2	013	APPRO	VED		
		THIS SPACE FOR	FEDERA	L OR STATE	OFFICE I	JSE			
	·····		- <u></u>			1 NUN-1-1-	2013		
Approved By				Title		1	Dat		
certify that the app which would entitle	licant holds legal or equ e the applicant to condu		bject lease	Office		BUREAU OF LAND MA	OFFICE		
Title 18 U.S.C. Sec States any false, t	ction 1001 and Title 43 fictitious or fraudulent s	U.S.C. Section 1212, make it a crir statements or representations as to a	ne for any pe any matter w	rson knowingly and thin its jurisdiction.	l willfully to r	nake to any department or	agency of the United		
	** BLM REV	SED ** BLM REVISED **	* BLM RE	EVISED ** BLN		D ** BLM REVISE) **		
					Accept	ed for record			

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Additional data for EC transaction #208846 that would not fit on the form

32. Additional remarks, continued

- 6. PU 4-3/4? bit and drill 4-3/4? from 4837? to 5900?.

- POH w/ bit and drillstring.
 RIH w/ logs and log from TD to 4500?.
 RIH w/ 4?, 11.3# casing. See next attachment for general centralizer program.
 Cement casing from TD to 4738? w/ 125 sxs Class C cmt. Drop plug and open DV tool. Circ cmt
- off DV tool. Drop plug to close DV tool. 11. PU workstring and RIH and drill out DV tool. POOH and LD workstring.
- 12. RDMO rig.

Completion Procedure

- MIRU rig.
 RIH w/ perforating guns and perforate Yeso from 5420?-5620?with 26 holes @ 1 spf.
 Acidize w/ 2500 gals of 15% HCI. Frac zone w/ 179,800 # of sand. Set plug at 5370?.
- 4. RIH w/ perforating guns and perforate Yeso from 5120?- 5320?.
 5. Acidize w/ 2500 gals of 15% HCI. Frac zone w/ 179,800 # of sand. Set plug at 5070?.

- 5900? (TD). 10. RIH w/ tbg and locate end of tbg at 4700?. 11. RIH w/ rods and pump.

- 12. RDMO rig.

Holder CB Federal #6 Deepening Program

1. Estimated Tops of Important Geologic Markers

Yeso Group +/- 4275'

2. Estimated Depths of Anticipated Fresh Water, Oil, and Gas

Yeso Group +/- 4275'

This deepening originates in the Yeso and will finish at the base of the Yeso. The entire Yeso group is an oil and gas bearing interval.

3. Casing Program

Hole Size	Interval	OD Casing	Weight	Grade**	Jt./Condition	Burst/collapse/tension
4-3/4″	4837′ - 5900′	4″	11.3#	L-80 or	ULT-FJ/New	3.98/4.09/3.21 (L80)
				P-110		5.47/5.23/4.25 (P110)

** Due to casing shortages, either L-80 or P-110 will be run. The exact grade is unknown at time of requesting permit.

NOTE: COG OPERATING LLC REQUESTS A VARIANCE TO THE 0.422" STAND OFF RULE BETWEEN CASING AND WELLBORE.

4. Cement Program

4" Liner: Class C, 125 sxs, yield 1.37. 100' minimum tie back to production casing.

NOTE: COG OPERATING LLC REQUESTS A VARIANCE TO THE LINER TOP FLUID ENTRY OR PRESSURE TEST BECAUSE THE DEEPENED WELL WILL BE COMPLETED IN THE SAME ZONE AS THE CURRENT PERFS AND THE ENTIRE INTERVAL IS RECOGNIZED BY THE OCD AS ONE INTERVAL (YESO). AS PER ONSHORE ORDER NO. 2 SECT III: REQUIREMENTS, PART B. CASING AND CEMENTING REQUIREMENTS, SUBPART b. "NO TEST SHALL BE REQUIRED FOR LINERS THAT DO NOT INCORPORATE OR NEED A SEAL MECHANISM." COG BELIEVES WE MEET THE CRITERIA TO NOT BE REQUIRED TESTING THE LINER TOP BECAUSE THERE IS NO NEED FOR A SEAL MECHANISM.

NOTE: COG OPERATING LLC REQUESTS A VARIANCE TO THE 200' MINIMUM TIE BACK TO THE PRODUCTION CASING BECAUSE THE LOWEST PERFORATION IS AT 4635'. THE 100' WILL ALLOW US TO NOT COVER EXISTING PERFORATIONS.

5. Minimum Specifications for Pressure Control

The BOP equipment will be a 3000 psi double ram type manually operated preventer. This equipment will be nipple up to a 7-1/16" 3K flange. The pipe rams are located above blind rams. There is no choke or kill manifold. The BOP is tested to 500 psi prior to drilling new formation. Access to the annulus will be through the valves on the 5-1/2" casing head.

6. Types and Characteristics of the Proposed Mud System

This well will drilled from end of the existing 5-1/2" casing to TD with 2% KCl.

7. Auxillary Well Control and Monitoring Equipment

A. A full opening drill pipe-stabbing valve with proper drill pipe connections will be on the rig floor at all times.

8. Logging, Testing, and Coring Program

- A. The electric logging program will consist of GR-Dual Laterolog, Spectral Density, Dual Spaced Neutron, CSNG Log and will be run from TD to 5-1/2" production casing shoe.
- B. No drill stem tests.
- C. No conventional coring anticipated.
- D. Further testing procedures will be determined after the 4" liner has been cemented at TD, based on drill shows and log evaluation.

9. Abnormal Conditions, Pressure, Temperatures, and Potential Hazards

No abnormal pressures or temperatures are anticipated. The estimated bottomhole temperature at TD is 110 degrees and the estimated maximum bottomhole pressure is 2300 psig. The drilling starts in the Yeso and ends in the Yeso. The section of Yeso being drilled has very low permeability (less than 1 md).

10. Anticipated Starting Date and Duration of Operations

There will be no road or location work required as this is an existing well location. Once commenced, drilling operations should be finished in approximately 14 days. If the well is productive, an additional 30 days will be required for completion and testing before a decision is made.

11. Centralizer Program

Fixed blade stabilizer subs will be utilized in the casing string to insure adequate isolation and seal throughout the wellbore. These stabilizer subs are positive fixed blade type. These subs will actually be screwed into the casing string. A diagram of the fixed blade stabilizer sub is located at the end of this program.

The standard location of the stabilizers will be the following:

Shoe Location

Guide shoe, 1 jt casing, float collar, stabilizer sub.

Perf Interval Location - between perf intervals

Above the first set of perforations, the Lower Blinebry, we will set 1 stabilizer sub.

Top of Liner Location

We will set on stabilizer sub 1 jt under the DV-tool.

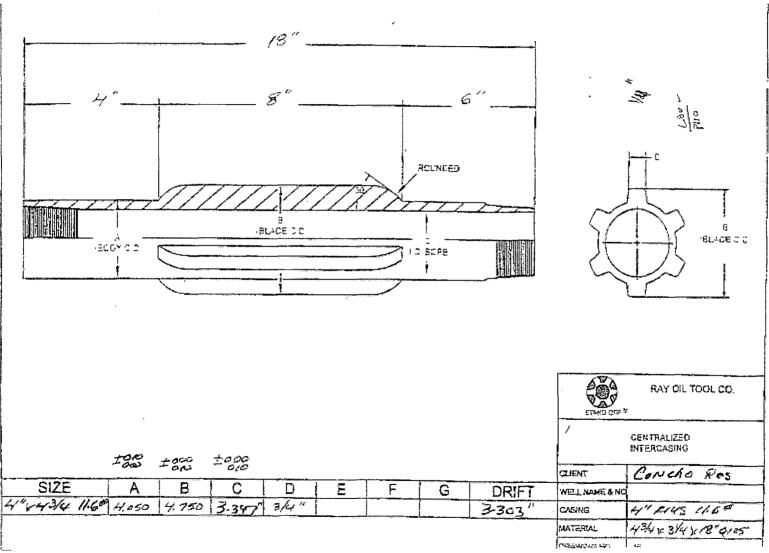
12. Summary Drilling and Completion Program

Deepening Procedure

- 1. MIRU rig.
- 2. LD production equipment
- 3. Sqz Paddock w/ +/- 600sx of Class C neat.
- 4. Sqz San Andres with +/- 1200 sx of Class C cmt.
- 5. Drill out squeeze. Test squeeze to 500 psi for 20 minutes using chart recorder.
- 6. PU 4-3/4" bit and drill 4-3/4" from 4837' to 5900'.
- 7. POOH w/ bit and drillstring.
- 8. RIH w/ logs and log from TD to 4500'.
- 9. RIH w/ 4", 11.3# casing. See next attachment for general centralizer program.
- 10. Cement casing from TD to 4738' w/ 125 sxs Class C cmt. Drop plug and open DV tool. Circ cmt off DV tool. Drop plug to close DV tool.
- 11. PU workstring and RIH and drill out DV tool. POOH and LD workstring.
- 12. RDMO rig.

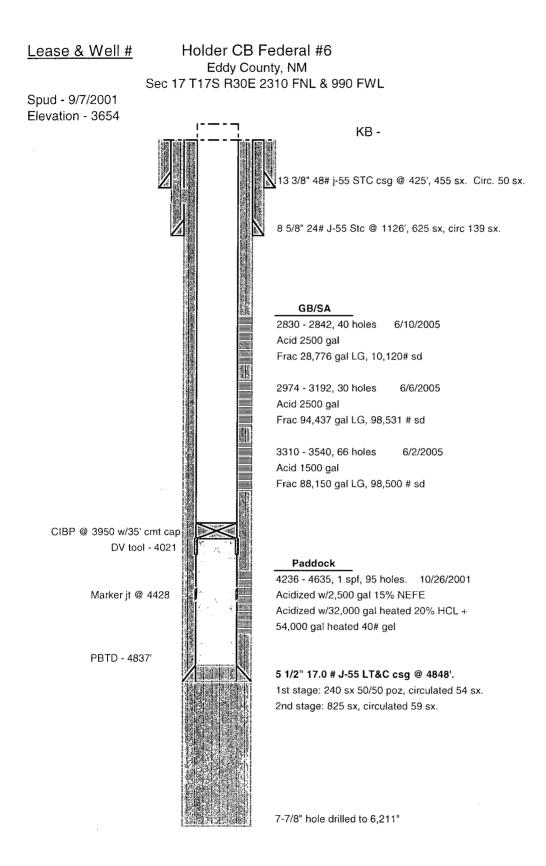
Completion Procedure

- 1. MIRU rig.
- 2. RIH w/ perforating guns and perforate Yeso from 5420'-5620' with 26 holes @ 1 spf.
- 3. Acidize w/ 2500 gals of 15% HCl. Frac zone w/ 179,800 # of sand. Set plug at 5370'.
- 4. RIH w/ perforating guns and perforate Yeso from 5120'- 5320'.
- 5. Acidize w/ 2500 gals of 15% HCl. Frac zone w/ 179,800 # of sand. Set plug at 5070'.
- 6. RIH w/ perforating guns and perforate Yeso from 4820 5020'.
- 7. Acidize w/ 2500 gals of 15% HCl. Frac zone w/ 179,800 # of sand.
- 8. RIH and drill out plugs at 5070' and 5370'.
- 9. RIH and cut or back off 4" casing at 4738'. POOH w/ 4" casing. Leave 4" liner from 4738' to 5900' (TD).
- 10. RIH w/ tbg and locate end of tbg at 4700'.
- 11. RIH w/ rods and pump.
- 12. RDMO rig.



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COG OPERATING, LLC



District I 1625 N. French Dr., Hobbs, NM 88240 Phone: (575) 393-6161 Fax: (575) 393-0720 District II 811 S. First St., Artesia, NM 88210 Phone: (575) 748-1283 Fax: (575) 748-9720 District III 1000 Rio Brazus Road, Aztec, NM 87410 Phone: (505) 334-6178 Fax: (505) 334-6170 District IV 1220 S. St. Francis Dr., Santa Fe, NM 87505 Phone: (505) 476-3460 Fax: (505) 476-3462

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State of New Mexico Energy, Minerals & Natural Resources Department OIL CONSERVATION DIVISION 1220 South St. Francis Dr. Santa Fe, NM 87505

Form C-102 Revised August 1, 2011 Submit one copy to appropriate District Office

AMENDED REPORT

¹ API Number				² Pool Code		³ Pool Name					
30-015-31891				96718		Loco Hills;Glorieta-Yeso					
⁴ Property 3025			⁵ Property Name Holder CB Federal					⁶ Well Number 6			
⁷ 0GRID 2291			⁸ Operator Name COG Operating LLC					° Elevation 3654			
					¹⁰ Surface I	Location					
UL or lot no. E	Section 17	ectionTownshipRangeLot IdnFeet from theNorth/South lineFeet from theEast/West line17S30E2310North990West					County Eddy				
			" Bot	tom Hol	e Location If	Different Fron	n Surface				

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
¹² Dedicated Acres	13 Joint or	Infill 14 C	Consolidation	Cade 15 0	der No.				
	Joint of		Jonsonuation		der ivo.				
40									
	l					······			

No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.

16		¹⁷ OPERATOR CERTIFICATION
		I hereby certify that the information contained 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
22101		location pursuant to a contract with an owner of such a mineral or working
2310'		interest, or to a voluntary pooling agreement or a compulsory pooling
		order heretofore entered by the division.
		Y 5/29/13
		Signature Date
990' V <> •		Kanicia Castillo
990' V		Printed Name
		kcastillo@concho.com
		E-mail Address
		*SURVEYOR CERTIFICATION
		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.
	 	Date of Survey
		Signature and Seal of Professional Surveyor:
		Signature and Sear of Professional Surveyor.
		Certificate Number

Conditions of Approval COG Operating LLC Holder CB Fed 6 API 30-015-31891 June 11, 2013

- 1. Work to be complete within 180 days.
- 2. Surface disturbance beyond the existing pad requires prior approval.
- 3. Closed loop system to be used.
- 4. H2S monitoring equipment should be onsite for personnel protection from surrounding oil operations. Operator should not encounter H2S while deepening.
- 5. BOP to be tested to 2000 psi based on BHP expected.
- 6. Variance for stand-off of less than 0.422" is approved due to NMOCD classifying the formations in this area as the Yeso group.
- 7. Variance approved for a minimum tie back of 100'. When plugged, cement plug will be required across this tie back and across squeezed perforations.
- 8. Variance for not testing seal also approved based on NMOCD classification of formations in this area as the Yeso group.
- 9. If cement does not circulate to DV tool, the appropriate BLM office is to be notified.
- 10. Test casing as per Onshore Order 2.III.B.1.h.
- 11. Subsequent sundry detailing work and current well test data are to be submitted when work is complete.

JAM 061113