Form 3160-5 (August 2007)

Approved By

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

NM OIL CONSTRUCT

FORM APPROVED OMB NO. 1004-0135 Expires: July 31, 2010

TIJL 2 1 2015

JUL 2 I SOLO

Do not use this form for proposals to drill or to re-enter an abandoned well. Use form 31693.4(PM) for such proposalge_CEIVED SUBBIT IN TRIPLICATE - Other instructions on reverse side. 1. Type of Well	SUNDRY	NMNM86025								
Type of Well Gos Well Gos Well Other S. Well Name and No. MCNITYSE DK FED 13	Do not use in	is ioiiii ioi proposais to	anno or to re-ent	er an	VED	6. If Indian, Allottee or Tribe Name				
Soli Well Gas, Well Other	SUBMIT IN TRI		7. If Unit or CA/Agreement, Name and/or No.							
2. Name of Operator COG OPERATING LLC E-Mail: koastilo@concho.com Sendal Mail: Compared to Contact KANICIA CASTILLO E-Mail: koastilo@concho.com Sendal Mail: Compared to Compa										
COG OPERATING LLC E-Malit keastilio@concho.com 30-016-30679-00-S1 30-Alfrees ONIC CONCHO CENTER 600 W LLINOIS AVENUE Ph: 432-685-4332 11. Field and fool, or Exploratory LOCO HILLS LOCO HILLS 12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA TYPE OF SUBMISSION TYPE OF ACTION Notice of Intent Alter Casing Alter Casing Fracture Treat Reclamation Alter Casing Fracture Treat Reclamation Well Integrity Convert to Injection Convert to Injection Convert to Injection Plug Back Water Disposal Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof, diether body with the work will be performed or provide the Bond Not. on the with EMBIA. Required subsequent reports shall be filed within 30 days coating his been completed. Part of the start work within the work will be performed by provide the Bond Not. on the with EMBIA. Required subsequent reports shall be filed only after all requirements, including estimated starting father of any proposed work and approximate duration thereof, diether within 10 days coating his been completed. Provide the performance of the Bond Not. on the with EMBIA. Required subsequent reports shall be filed only after all requirements, including estimated starting father of any proposed work and approximate duration thereof. All the Bond under which the work will be performed by provide the Bond Not. on the with BLMBIA. Required subsequent reports shall be filed only after all requirements, including estimated starting date of any proposed work and approximate duration thereof. The proposed to the Bond Not. on the with BLMBIA. Required subsequent reports shall be filed only after all requirements, including estimated starting date of any proposed work and approximate duration thereof. COG Operating LLC respectfully request an extension on the attached recompletion Not. We plan to start work within the next 8 weeks. Part of the proposed for re			<u> </u>							
ONE CONCHO CENTER 600 W ILLINOIS AVENUE MIDLAND, TX 79701 4. Location of Well (Footage, Sec., T., R., M., or Survey Description) 11. Country or Parish, and State EDDY COUNTY, NM 12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA TYPE OF SUBMISSION 12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA TYPE OF SUBMISSION 13. Notice of Intent Ackdize Deepen Production (Start/Resume) Water Shut-Off										
12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA TYPE OF SUBMISSION TYPE OF ACTION Notice of Intent Alter Casing Alter Casing Practure Treat Reclamation Well Integrity Convert to Injection Convert to Injection Convert to Injection Convert to Injection Department of the involved operations. If the operation results in a multiple completion in a new interval, a Form 3160-4 shall be filed once determined that the site is ready for final inspection.) COG Operating LLC respectfully requests an extension on the attached recompletion NOI. We plan to start work within the next 6 weeks. Name(Frinted/Typed) KANICIA CASTILLO Date 076/8/2015 APPROVE	ONE CONCHO CENTER 600			or Exploratory						
12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA TYPE OF SUBMISSION TYPE OF ACTION Deepen	4. Location of Well (Footage, Sec., T	., R., M., or Survey Description) -			11. County or Parish	, and State			
TYPE OF SUBMISSION Acidize	Sec 17 T17S R30E SWSW 99	90FSL 990FWL		•		EDDY COUNT	FY; NM			
TYPE OF SUBMISSION Acidize										
Notice of Intent	12. СНЕСК АРРІ	ROPRIATE BOX(ES) TO) INDICATE NA	TURE OF N	OTICE, RE	PORT, OR OTH	ER DATA			
Subsequent Report Subsequent R	TYPE OF SUBMISSION			- TYPE OF	ACTION					
Subsequent Report	Notice of Intent	Acidize ,	Deepen		☐ Producti	on (Start/Resume)	■ Water Shut-Off			
Final Abandonment Notice		Alter Casing	☐ Fracture	Treat	Reclama	ition	■ Well Integrity			
Convert to Injection Plug Back Water Disposal	· Subsequent Report	Casing Repair	🖟 🔲 New Cor	struction	Recomp	lete	☐ Other			
13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BMBIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandomnent Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.) COG Operating LLC respectfully request an extension on the attached recompletion NOI. We plan to start work within the next 6 weeks. 14. Thereby certify that the foregoing is true and correct. Electronic Submission #308435 verified by the BLM Well Information System For COG OPERATING LLC, sent to the Carlsbad Committed to AFMSS for processing by JENNIFER SANCHEZ on 07/15/2015 (15JAS0421SE) Name (Printed/Typed) KANICIA CASTILLO Date 07/08/2015 APPROVER Signature (Electronic Submission)	☐ Final Abandonment Notice	☐ Change Plans	Plug and	Abandon	□ Tempora	rily Abandon				
If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No.' on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion or the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.) COG Operating LLC respectfully request an extension on the attached recompletion NOI. We plan to start work within the next 6 weeks. 14. Thereby certify that the foregoing is true and correct. Electronic Submission #308435 verified by the BLM Well Information System For COG OPERATING LLC, sent to the Carisbad Committed to AFMSS for processing by JENNIFER SANCHEZ on 07/15/2015 (15JAS0421SE) Name(Printed/Typed) KANICIA CASTILLO Title PREPARER Signature (Electronic Submission) Date 07/08/2015		☐ Convert to Injection	☐ Plug Bac	k	■ Water D	isposal				
Electronic Submission #308435 verified by the BLM Well Information System For COG OPERATING LLC, sent to the Carlsbad Committed to AFMSS for processing by JENNIFER SANCHEZ on 07/15/2015 (15JAS0421SE) Name(Printed/Typed) KANICIA CASTILLO Title PREPARER Signature (Electronic Submission) Date 07/08/2015	If the proposal is to deepen directions Attach the Bond under which the wor following completion of the involved testing has been completed. Final Abdetermined that the site is ready for fit COG Operating LLC respectfus start work within the next 6 we	ally or recomplete horizontally, k will be performed or provide operations. If the operation resundonment Notices shall be file nal inspection.) Illy request an extension ceks.	give subsurface locati the Bond No. on file sults in a multiple com ed only after all requir on the attached re	ons and measure with BLM/BIA. apletion or recommements, includin a completion N	ed and true ver Required sub- appletion in a nangle reclamation	rical depths of all pertisequent reports shall be ew interval, a Form 31, have been completed in to	inent markers and zones. e filed within 30 days 60-4 shall be filed once , and the operator has			
Name (Printed/Typed) KANICIA CASTILLO Title PREPARER Signature (Electronic Submission) Date 07/08/2015	14. I hereby certify that the foregoing is	true and correct.	00405 15 11							
Name (Printed/Typed) KANICIA CASTILLO Title PREPARER Signature (Electronic Submission) Date 07/08/2015 APPROVED	C	For COG Ol	PERATING LLC, s	ne BLW Well I ent to the Carl	information Isbad	System (15 IASO40405)				
		-			'	(19JASU421SE)				
	Signature (Electronic St	ubmission)	Date	07/08/201	15	APPROV	IFM /			
	'.	THIS SPACE FO	R FEDERAL O	R STATE O	FFICE US		T/X/A			

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.

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NM OIL CONSERVATION ARTESIA DISTRICT

Form 3160-5 (August 2007)

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

JUL 21 2015

FORM APPROVED OMB NO. 1004-0135 Expires: July 31, 2010

5. Lease Serial No.

SUNDRY	NMNM86025	NMNM86025						
SUNDRY Do not use th abandoned we	6. If Indian, Allottee	6. If Indian, Allottee or Tribe Name						
SUBMIT IN TR	7. If Unit or CA/Agre	7. If Unit or CA/Agreement, Name and/or No.						
1. Type of Well Gas Well Ot	8. Well Name and No MCINTYRE DK	8. Well Name and No. MCINTYRE DK FED 13						
2. Name of Operator COG OPERATING LLC	9. API Well No. 30-015-30679-	00-S1						
3a. Address		3h Phone N	o. (include area code)	· · · · · · · · · · · · · · · · · · ·	·10. Field and Pool, or			
ONE CONCHO CENTER 60 MIDLAND, TX 79701		Ph: 432-6			LOCO HILLS			
4. Location of Well (Footage, Sec., 7	., R., M., or Survey Description	1)			11. County or Parish,	and State		
Sec 17 T17S R30E SWSW 99	90FSL 990FWL				EDDY COUNT	Y, NM		
12. CHECK APPI	ROPRIATE BOX(ES) TO) INDICAT	E NATURE OF N	NOTICE,	REPORȚ, OR OTHE	R DATA	,	
TYPE OF SUBMISSION			TYPE OF	ACTION	ı			
Notice of Intent	☐ Acidize	De De	epen	☐ Produ	uction (Start/Resume)	☐ Water Sh	ut-Off	
	☐ Alter Casing	☐ Fra	cture Treat	. 🗖 Recla	amation	☐ Well Inte	grity	
☐ Subsequent Report	Casing Repair	☐ Ne	w Construction	Reco	mplete	Other		
☐ Final Abandonment Notice								
,	Convert to Injection	🗖 Plu	ng Back					
determined that the site is ready for fit COG Operating LLC respectful MCINTYRE DK FEDERAL #13 We are going to set a CIBP at have our PBTD @ 4126?. We 200?-300? of rathole below out tubing from getting stuck with sthe option to re-enter the Glorie	lly requests to recomplete 3 4166? (50? above the YE plan to have our bottom p r bottom perfs to give our and. In addition to having	SO perfs) w perfs from 39 bottom hole g desired rat	/ 40? of CMT on t	top of the	plug to	FOR APPRO	VAL	
Equipment Pull Procedure ? MIRU WSU, NU BOP ? Unset pump and POOH with	rod				NMO	CD_{j-1}		
14. I hereby certify that the foregoing is t	rue and correct. Electronic Submission #26	87546 verific	1 by the BI M Well	Informatia		7/21/20)/J	
	For COG OP	PERATING L	C, sent to the Car	isbad	· .		,	
Name(Printed/Typed) KANICIA C	itted to AFMSS for proces: ASTILLO	Title PREPAR		(13JAWU1865E)	•			
	101120		THE AT				· · · · · · · · · · · · · · · · · · ·	
Signature (Electronic Su	bmission)	Date 01/09/201	15	APPROVE	D			
•	THIS SPACE FOR	R FEDERA	L OR STATE O	FFICE	JSE/			
Approved By			Title		JAN 1 9/201	Date		
Conditions of approval, if any, are attached. certify that the applicant holds legal or equit which would entitle the applicant to conduct	able title to those rights in the st	Office	B	REAU OF LAND MANAG CARLSBAD FIELD OFF	EMENT -	9		
Title 18 U.S.C. Section 1001 and Title 43 U. States any false, fictitious or fraudulent sta	S.C. Section 1212, make it a critements or representations as to	ime for any per any matter wit	son knowingly and wi	illfull to m			ted	

Additional data for EC transaction #287546 that would not fit on the form

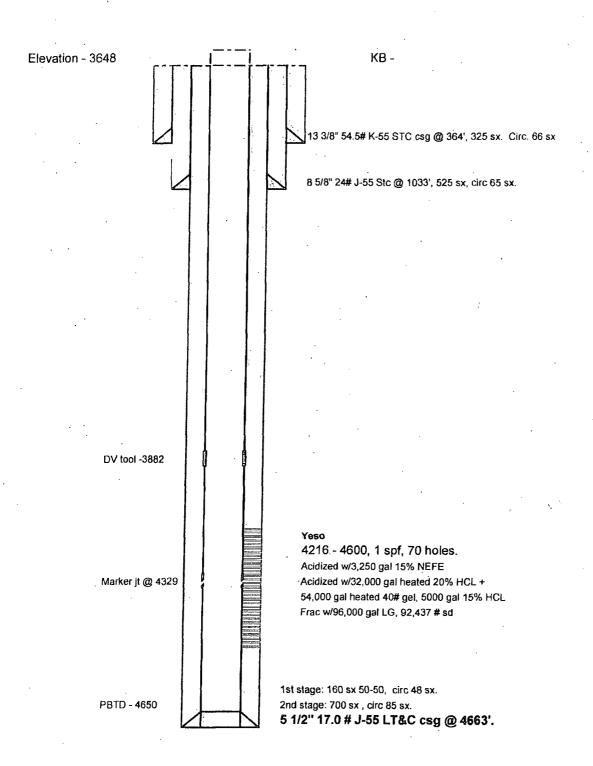
32. Additional remarks, continued

- ? Tag for fill with tubing and POOH and bail if needed ? PU scraper and scrape down to 4216? ? POOH with tubing LD ? RU Wireline ? Set CIBP @ 4166? ? Wireline truck dump 40? Class C cement of top of CIBP ? Tag cement plug to verify depth of 4126? ? Pull up 4? to circulate hole clean with fresh water, and displace w/ 2% KCL and 1% packer corrosion inhibitor. ? Test Casing to 4,200 psi and report back to engineering if the pressure holds. ? Secure wellbore ? RDMO WSU Tentative Recompletion Procedure? NU frac valve, and test casing to 4200 psi ? Rig up wireline.? RiH w/ perforating guns and perforate San Andres Zone from 3949'-4068', w/ 3 spf, 60? phasing. 54 holes. ? Acidize w/ 1500 gals of 15% HCl. ? Frac zone w/ 181,250 # of sand. ? Record ISIP and FG, Get 5, 10, 15 min SIP ? Record ISIP and FG, Get 5, 10, 15 min SIP
 ? Rig up Wireline
 ? RIH w/ WL and set Composite Plug @ 3881?
 ? Perforate San Andres Zone from 3641'-3831', w/ 3 spf, 60? phasing, 54 holes.
 ? Acidize w/ 1500 gals of 15% HCI.
 ? Frac zone w/ 181,250 # of sand.
 ? Record ISIP and FG, Get 5, 10, 15 min SIP
 ? MIRU WSU
 2 Pig up Wireling ? MIRU WSU
 ? Rig up Wireline
 ? RIH w/ WL and set Composite Plug @ 3275?
 ? Perforate San Andres Zone from 3029'-3226', w/ 3.spf; 60? phasing, 54 holes.
 ? Acidize w/ 1500 gals of 15% HCl.
 ? Frac zone w/ 181,250 # of sand.
 ? Record ISIP and FG, Get 5, 10, 15 min SIP
 ? RIH with Production tbg and tag for fill w/ bailer at knocked Composite plugs @ 3275? and 3881?
 ? Clean out fill to new PBTD @ 4126?
 ? RIH with production tubing and locate intake at 4100?.
 ? Set TAC @ 3000?
 ? RIH w/ rods and pump.
 ? RIM w/ rods and pump.

? RDMO rig. Please see attachments.

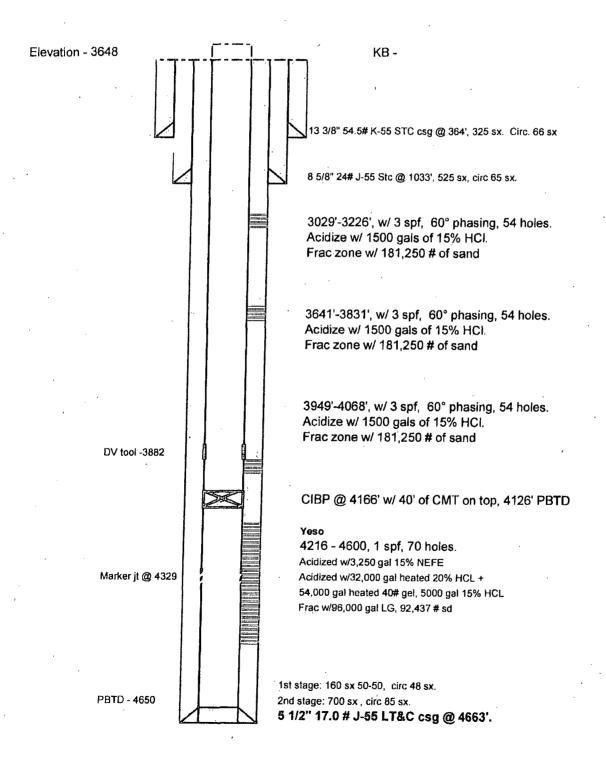
COG Operating LLC

Lease & Well # McIntyre DK Federal #13



COG Operating LLC

Lease & Well # McIntyre DK Federal #13



MCINTYRE DK FEDERAL #13

We are going to set a CIBP at 4166' (50' above the YESO perfs) w/ 40' of CMT on top of the plug to have our PBTD @ 4126'. We plan to have our bottom perfs from 3949'-4068'. Ideally, we like to have 200'-300' of rathole below our bottom perfs to give our bottom hole assembly room and prevent tubing from getting stuck with sand. In addition to having desired rathole space, this gives COG the option to reenter the Glorietta/Yeso formation at later time.

Equipment Pull Procedure

- MIRU WSU, NU BOP
- Unset pump and POOH with rod
- Tag for fill with tubing and POOH and bail if needed
- PU scraper and scrape down to 4216'
- POOH with tubing LD
- RU Wireline
- Set CIBP @ 4166
- Wireline truck dump 40' Class C cement of top of CIBP-
- Tag cement plug to verify depth of 4126
- Pull up 4' to circulate hole clean with fresh water, and displace w/ 2% KCL and 1% packer corrosion inhibitor.
- Test Casing to 4,200 psi and report back to engineering if the pressure holds.
- Secure wellbore
- RDMO WSU

Tentative Recompletion Procedure

- NU frac valve, and test casing to 4200 psi
- Rig up wireline.
- RIH w/ perforating guns and perforate San Andres Zone from 3949'-4068', w/ 3 spf, 60° phasing,
 54 holes.
- Acidize w/ 1500 gals of 15% HCl.
- Frac zone w/ 181,250 # of sand.
- Record ISIP and FG, Get 5, 10, 15 min SIP
- Rig up Wireline
- RIH w/ WL and set Composite Plug @ 3881'
- Perforate San Andres Zone from 3641'-3831', w/ 3 spf, 60° phasing, 54 holes.
- Acidize w/ 1500 gals of 15% HCl.
- Frac zone w/ 181,250 # of sand.
- Record ISIP and FG, Get 5, 10, 15 min SIP
- MIRU WSU
- Rig up Wireline
- RIH w/ WL and set Composite Plug @ 3275
- Perforate San Andres Zone from 3029'-3226', w/ 3 spf, 60° phasing, 54 holes.
- Acidize w/ 1500 gals of 15% HCl.
- Frac zone w/ 181,250 # of sand.
- Record ISIP and FG, Get 5, 10, 15 min SIP
- RIH with Production tbg and tag for fill w/ bailer at knocked Composite plugs @ 3275 and 38814
- Clean out fill to new PBTD @ 4126'

- RIH with production tubing and locate intake at 4100.

 Set FAC @ 3000.

 RIH w/ rods and pump.

 RDMO rig.

NM OIL CONSERVATION

State of New Mexico

ARTESIA DISTRICT

Energy, Minerals & Natural Resources Department 2 1 2015 Revised August 1, 2011 OIL CONSERVATION DIVISION

Santa Fe, NM 87505

Submit one copy to appropriate

■ AMENDED REPORT

1220 South St. Francis Dr.

RECEIVED

District Office

Phone: (505) 334-6178 Fax: (505) 334-6170 1220 S. St. Francis Dr., Santa Fe, NM 87505 Phone: (505) 476-3460 Fax: (505) 476-3462

Phone: (575) 748-1283 Fax: (575) 748-9720

1000 Rio Brazos Road, Aztec, NM 87410

1625 N, French Dr., Hobbs, NM 88240 Phone: (575) 393-6161 Fax: (575) 393-0720

811 S. First St., Artesia, NM 88210

District II

District III

WELL LOCATION AND ACREAGE DEDICATION PLAT API Number ² Pool Code 30-015-30679 28509 Grayburg Jackson; SR-Q-G-SA 6 Well Number Property Code 302524 ⁵ Property Name McIntyre DK Federal 13 Operator Name OGRID No. Elevation 3648 229137 COG Operating LLC

Surface Location UL or lot no. Section Township Range Lot Idn Feet from the North/South line Feet from the East/West line County 17 17S 30E South 990 990 West M Eddy "Bottom Hole Location If Different From Surface Range Lot Ido Feet from the North/South line Feet from the East/West line County UL or lot no. Section Township Joint or Infill 14 Consolidation Code Order No. ¹² Dedicated Acres 40

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				"OPERATOR CERTIFICATION
				I hereby certify that the information contained herein is true and complete
1				to the best of my knowledge and belief, and that this organization either
		1		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 a mineral or working
				interest, or to a valuntary pooling agreement or a compulsory pooling
				order heretofore entered by the division.
		·		1/9/15
			·	Signature Date
				Kanicia Castillo
				,
				Kcastillo@concho.com
ĺ				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.
			ļ	
				Date of Survey
990'				Signature and Seal of Professional Surveyor;
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990' 1	1			
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i J A	-			Certificate Number
				·

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 Brazos 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

NM OIL CONSERVATION

ARTESIA DISTRICT RECEIVED to one copy to appropriate

Form C-102

Energy, Minerals & Natural Resources Department 21 2015

OIL CONSERVATION DE 2005

1220 South St. Francis Dr. Santa Fe, NM 87505

☐ AMENDED REPORT

Revised August 1, 2011

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	API Numbe 5-306		·	² Pool Code 96718		Pool Name Loco Hills; Glorieta Yeso								
Property 30252			SProperty Name SProperty Name McIntyre DK Federal 13											
⁷ OGRID 22913				*Operator Name										
·					¹⁰ Surface I	ocation	-							
UL or lot no. M	Section 17	Township 17S	East/West line West											
	<u> </u>		" Bo	ttom Hole	e Location If	Different From	Surface							
UL or lot no.	L or lot no. Section Township Range Lot Idn Feet from the North/South line Feet from the Eas													
¹² Dedicated Acres 4 0	3 Joint or	Infill 14 C	onsolidation (Code 15 Ord	ler No.									

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				"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
				location pursuant to a contract with an owner of such a mineral or working
				interest, or to a voluntary pooling agreement or a compulsory pooling
				order heretofore entered by the division.
				1/9/15
	1		1	Signature Date
				Kanicia Castillo
		,		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
990'				Signature and Seal of Professional Surveyor:
5				organista and deal of 1 totostolal Surveyor.
1 1				
990'				
330.	· •		-	
				Certificate Number
V				

NM OIL CONSERVATION

ARTESIA DISTRICT

JUL 2 1 2015

Mcintyre DK Fed 13 30-015-30679 COG Operating, LLC. January 14, 2015 Conditions of Approval

RECEIVED

Notify BLM at 575-361-2822 a minimum of 24 hours prior to commencing work.

Work to be completed by April 14, 2015.

1. Operator shall set a CIBP at 4,166' and place 40' Class C cement on top. Tag required.

Note: At a later date, the Glorieta formation must be abandoned properly.

- 2. Must conduct a casing integrity test before perforating and fracturing. Submit results to BLM. The CIT is to be performed on the production casing to max treating pressure. Notify BLM if test fails.
- 3. Before casing or a liner is added or replaced, prior BLM approval of the design is required. Use notice of intent Form 3160-5.
- 4. Surface disturbance beyond the originally approved pad must have prior approval.
- 5. Closed loop system required.
- 6. All waste (i.e. drilling fluids, trash, salts, chemicals, sewage, gray water, etc.) created as a result of work over operations shall be safely contained and disposed of properly at a waste disposal facility. No waste material or fluid shall be disposed of on the well location or surrounding area. Porto-johns and trash containers will be on-location during fracturing operations or any other crew-intensive operations.
- 7. Operator to have H2S monitoring equipment on location.
- 8. A minimum of a 2000 (2M) BOP to be used. All blowout preventer (BOP) and related equipment (BOPE) shall comply with reasonable well control requirements. A two ram system with a blind ram and a pipe ram designed for the size of the work string shall be adequate. Tapered work strings will require an additional pipe ram. The manifold shall comply with Onshore Oil and Gas Order #2 Attachment I (2M Diagrams of Choke Manifold Equipment). The accumulator system shall have an immediately available power source to close the rams and retain 200 psi above pre-charge. The pre-charge test shall follow requirements in Onshore Order #2.

- 9. Subsequent sundry required detailing work done and completion report for the new formations. Operator to include well bore schematic of current well condition when work is complete.
- 10. See attached for general requirements.

JAM 011415