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	SUBMIT I	N TRIPLICATE - Other inst	tructions on page 2			7. If Unit or CA/Agre	ement, Name and/or 1
COG OPERATING LLC E-Mail: kcastillo@conth.com 100-011 36 Address Display (LLINOIS AVE MIDLANO, 1X 79701 Display (LIINOIS AVE MIDLANO, 1X 79701 Display (LIINOIS AVE MIDLANO, 1X 79	••	Other				8. Well Name and No. WD MCINTYRE I	Ξ8
600 WILLINGISAVE Ph: 432-685-4332 COCOMILLS.GLORIETAYESO 4. Location of Well (Pawage, Sec. T. R. M. or Survey Description) 11. County of Parinf, State 28.52 5. co 20 T17S R30E Mer NMP 1650FSL 2250FWL 11. County of Parinf, State 28.52 12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA TYPE OF SUBMISSION TYPE OF ACTION 13. Detrice of Intent Acidiz: Deepen Production (Start/Resume) Water Shu-C 14. Ibscquent Report Convert to Injection Plug and Abandom Torpoduction (Start/Resume) Water Shu-C 15. Deterribe Proposed of Completed Operations Clearly state all perintern details, including estimated starting date of any proposed well any proceed well and proceed into a number of proved help beam house field only and a language proceed well and any proceed well and proceed into a number of proved help beam house field only and base on the proved beam beam of proved help beam house field only and base on the proved beam beam of proved help beam house house on the proved beam beam of proved help beam house field on proved beam beam of proved hubbase house proves house on proved hubbase house on thouse of pr		Contact: E-Mail: kcastillo@	KANICIA CASTILLO concho.com				
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13. Describe Proposed or Completed Operation: Clearly state all period delise including settimated starting date of any proposed work and approximate duration there if the proposed is to decemp directionally or recomplete horizontally, give subardine clearly state all depths of all period aubescience and new verticed aubescience. COG Operating LLC, respectfully requests to recomplete to the San Andres as follows: MCINTYRE WDE #8 We are going to set a CIBP at 4,3527 (507 above the YESO perfs) w/ 407 of CMT on top of the plug to have our PBTD @ 4,3127. We plan to have our top perfs from 3,2257 7.3,500 and bottom perfs from 3,25707.4,2527. Ideality, we like to have 2007-3007 perfs from 3,2257 7.3,500 and bottom perfs from 3,25707.4,2527. Ideality, we like to have 2007-3007 perfs from 3,2257 7.3,500 and bottom perfs from 3,25707.4,2527. Ideality, we like to have 2007-3007 perfs from 3,2257 7.3,500 and bottom perfs from 3,25707.4,250 for proceedure and new vertice and aubescience. Appl.1 9,2018 14. I hereby certify that the foregoing is true and correct. Electronic Submission #411761 verified by the BLM Weil/Information system For COG OPERATING LC, sent to the Crisbada Committed to AFMSS	Subsequent Report	Casing Repair	New Construct	ction -	🛛 Recompl	ete	🗖 Other
13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration there I'the proposal is to deeper directionality or recomplete horizontally, give subaufface locations and measured and true vertical depths of all pertinent markers and zone the proposed work and approximate duration there I'the proposed work and approximate duration there is about the proposed work and approximate duration there is a duration to the duration there is a duration to the duration there is a duration to the duration there is a duration there is a duration to duration there is a duration to duration there is a duration to duration to duration there is a duration to duration to duration there is a duration to duration there is a duration to duration there is a duration to duration duration duration duration duration duration duration duration duratis duration duration duration duration duration duratis duration du	Final Abandonment Notice	Change Plans	🗖 Plug and Aba	ndon	Tempora	rily Abandon	
The proposal is to despen directionally, give subsurface locations and measured and rue vertical depths of all pertinent markers and zone Attach the Bond mader which the work will be performed or provide the Bond No. on file with BUMBIA. Required subsequent reports must be filed with all days following completion in a new interval, a Form 31604 must be filed on a difference of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 31604 must be filed on a difference of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 31604 must be filed on a difference of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 31604 must be filed on a difference of the involved operation between completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 31604 must be filed only after all requirements, liciduaing reclamation, have been completed and the operation have our PBTD @ 4.3127. We plan to have our top perfs from 3,2257 (307 di CMT on top of the plug to have our PBTD @ 4.3127. We plan to have our op perfs from 3,2257 (30397 and bottom perfs from 3,57074,0257. Ideally, we like to have 2007-3007 of rathole below our bottom perfs to give our bottom on perfore our tubing from getting stuck with sand. In addition to having desired rathole space, this gives COG the option to re-enter the Glorietta/Yeso formation at a later time. Equipment Pull Procedure Accepted for record - NiNoCCD SEE ATTACHEDISTRICH Y Unset pump and POOH with rod and thg Committed to AFMS for processing bu FENNIFER Status 20 out/12018 () Name (Printed/Typed) KANICIA CASTILLO The PREPARER		Convert to Injection	🗖 Plug Back		U Water Di	sposal	
? MIRO WSU, ND BOP SEE ATTACTIONS OF APPLOATED ? Unset pump and POOH with rod and tbg CONDITIONS OF APPLOATED 14. 1 hereby certify that the foregoing is true and correct. Electronic Submission #411761 verified by the BLM Well/Information System For COG OPERATING LC, sent to the Carisbad Committed to AFMSS for processing by JENNIFER SANCHEZ on 04/15/2018 () Name (PrintedTyped) KANICIA CASTILLO Title PREPARER Signature (Electronic Submission) Date 04/16/2018 Approved By_ Title 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. Title Office Office CARLSBAD FK D OFFA Office CARLSBAD FK D OFFA Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly andwillfully to make to any department or agency of the United States any false, fictitious of Tradulent statements or representations as to any matter within its jurifaction? (Instructions on page 2) ** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED **	We are going to set a CIBP have our PBTD @ 4,312?. N 3,570?-4,025?. Ideally, we I bottom hole assembly room desired rathole space, this g later time. Equipment Pull Procedure	We plan to have our top per ike to have 200?-300? of ra and prevent tubing from ge jives COG the option to re-e	fs from 3,225?? ? 3,536 thole below our bottor titing stuck with sand. enter the Glorietta/Yes	0? and bot n perfs to In additio so formatic	ttom perfs t give our on to having on at a	irom Fi	ECEIVED
Electronic Submission #411761 verified by the BLM Well/Information System For COG OPERATING LC, sent to the Carisbad Committed to AFMSS for processing by JENNIFER SANCHEZ on 04/16/2018 () Name (Printed/Typed) KANICIA CASTILLO Title PREPARER Signature (Electronic Submission) Date 04/16/2018 PPFOVED Mana (Printed/Typed) KANICIA CASTILLO Title PREPARER Signature (Electronic Submission) Date 04/16/2018 PPFOVED Approved By_ Title Nama (Printed) Date 04/16/2018 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. Office Office Office Office CARL SBAD FAUD OF LAND MANA EFAIL 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 juridictior. Office OFERATOR-SUBMITTED ** (Instructions on page 2)				CONE	NTAL DIFIOI	NS OF APP	RTF ALCO.
Name (Printed/Typed) KANICIA CASTILLO Title PREPARER Signature (Electronic Submission) Date 04/16/2018 APPROVED THIS SPACE FOR FEDERAL OR STATE OFFICE USE Approved By Title APH 2018 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. Title Date Dat	14. I hereby certify that the foregoing	Electronic Submission #4	411761 verified by the F	BLM Well	nformation	System	
THIS SPACE FOR FEDERAL OR STATE OFFICE USE	Namc (Printed/Typed) KANICI			,	,	5/2018 ()	$\langle / / /$
THIS SPACE FOR FEDERAL OR STATE OFFICE USE	Signature (Electroni	c Submission)	Date	04/16/201	8 AT	PROVED	\overline{M}
Approved By		THIS SPACE FO				/	th
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. 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. (Instructions on page 2) ** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED **						7H //2018/	1 Kh
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(Instructions on page 2) ** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED **	Fitle 18 U.S.C. Section 1001 and Title 4	3 U.S.C. Section 1212, make it a	crime for any person know	ingly and wi			agency of the United
	Instructions on page 2)	······································		17			•• / /
						P. 5-4-1	'X

Additional data for EC transaction #411761 that would not fit on the form

32. Additional remarks, continued

? PU scraper and scrape down to 4,402?
? RU Wireline
? Make gauge ring/ junk basket run
? Set CIBP @ 4,352?
? Wireline truck dump 40? Class C cement of top of CIBP
? Tag cement plug to verify depth of 4,312?
? Pull up 4? to circulate hole clean with fresh water, and displace w/ 2% KCL and 1% packer corrosion inhibitor. corrosion inhibitor. ? Test Casing to 4,300 psi and report back to engineering if the pressure holds.
 ? Dump bail acid in the perf interval
 ? RIH w/ perforating guns and perforate San Andres Zone from 3,570?-4,025?, w/ 3 spf, 120? phasing, 54 holes ? NU 5K frac valve ? Secure wellbore ? RDMO WSU Tentative Recompletion Procedure ? RU Elite Well Services Frac Crew ? Acidize w/ 3,000 gals of 15% HCl. ? XL Frac zone w/ 375,000 # of sand. ? Record ISIP and FG, Get 5, 10, 15 min SIP ? Rig up Wireline ? RIH w/ WL and set Composite Plug @ 3,550? ? Perforate San Andres Zone from 3,225?-3,530?, w/ 3 spf, 120? phasing, 54 holes. ? Acidize w/ 3,000 gals of 15% HCl. ? XL Frac zone w/ 375,000 # of sand. ? Record ISIP and FG, Get 5, 10, 15 min SIP ? RDMO Elite

Please see attachment for full procedure.

MCINTYRE WD E #8

We are going to set a CIBP at 4,352' (50' above the YESO perfs) w/ 40' of CMT on top of the plug to have our PBTD @ 4,312'. We plan to have our top perfs from 3,225' - 3,530' and bottom perfs from 3,570'-4,025'. 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 re-enter the Glorietta/Yeso formation at a later time.

Equipment Pull Procedure

- MIRU WSU, NU BOP
- Unset pump and POOH with rod and tbg
- PU scraper and scrape down to 4,402'
- RU Wireline
- Make gauge ring/ junk basket run

х. С.

- Wireline truck dump 40' Class C cement of top of CIBP
- Pull up 4' to circulate hole clean with fresh water, and displace w/ 2% KCL and 1% packer corrosion inhibitor.
- Test Casing to 4,300 psi and report back to engineering if the pressure holds.
- Dump bail acid in the perf interval
- RIH w/ perforating guns and perforate San Andres Zone from phasing, 54 holes
- NU 5K frac valve
- Secure wellbore
- RDMO WSU

Tentative Recompletion Procedure

- RU Elite Well Services Frac Crew
- Acidize w/ 3,000 gals of 15% HCl.
- XL Frac zone w/ 375,000 # of sand.
- Record ISIP and FG, Get 5, 10, 15 min SIP
- Rig up Wireline

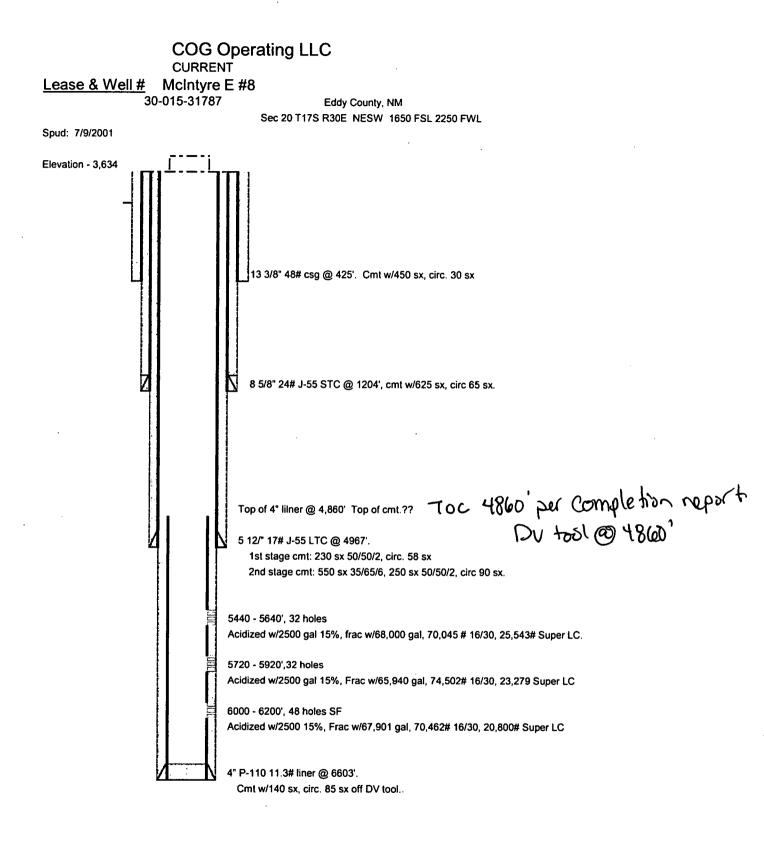
- Perforate San Andres Zone from
- Acidize w/ 3,000 gals of 15% HCl.
- XL Frac zone w/ 375,000 # of sand.
- Record ISIP and FG, Get 5, 10, 15 min SIP
- RDMO Elite

Return to Production Procedure

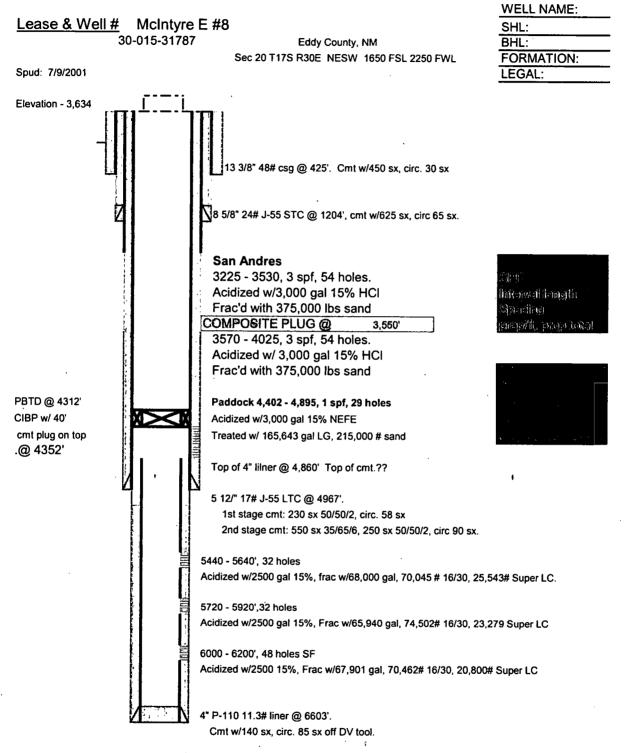
- MIRU WSU
- RIH with bit and bailer to drill out composite plug
- Clean out fill to new
- RIH with production tubing as follows:
 - o (96) jts 2-7/8" J55 6.5# tbg
 - o (1) 2' marker joint

, w/ 3 spf, 120° phasing, 54 holes.

- o (2) jts 2-7/8" J55 6.5# tbg
- o TAC @3,187'
- o (26) jts 2-7/8" J55 6.5# tbg
- o SN @ 4,030'
- o (1) 20' MSMA
- o EOT @ 4,050'
- ND BOP, set TAC, flange up WH
- RIH w/ rod design as follows:
 - o (1) 26' x 1-1/2" SMPR
 - o (1) 4' x ¾" rod sub
 - o (154) 3/4" D rods
 - o (7) 1-5/8" K bars
 - o (1) 25-150 RHBC-20' Pump
- Please news mann mean active but store set discord an dam was a sum as a sum and the
- · MEASE ADDUST UNIT TO 7.5 SPAN
- AUVASEISNEWIR: WINH USUNHONKEIHOUS ON GRANNKS (86" Stockellength)
 o If crank rotation is not CCW, please make sure it is CCW
- Hang on, load tubing and note pump action and alignment
- Clean location
- Update rod and tubing detail in Well View
- All charges will hit recompletion AFE (800/500) code
- PWOP and contact Robby Miller before turning on
- RDMO, TOTP



COG Operating LLC



District I State of New Mexico Form C-102 1625 N. French Dr., Hobbs, NM 88240 Energy, Minerals & Natural Resources Department Revised June 10, 2003 District II Submit to Appropriate District Office 1301 W. Grand Avenue, Artesla, NM 88210 **OIL CONSERVATION DIVISION** District III State Lease - 4 Copies 1220 South St. Francis Dr. 1000 Rie Brittes Rd., Aster, NM 87410 Fee Lease - 3 Copies Santa Fc; NM 87505 District IV 1220 S. St. Francis Dr., Santa Fe, NM \$7505 AMENDED REPORT WELL LOCATION AND ACREAGE DEDICATION PLAT API Number **Vapl Code** Pool Name 30-015-31787 28509 Grayburg Jackson; SR-Q-G-SA Property Cade Property Name 4 Well Number 302576 W D McIntyre E 8 OGRID No. Operator Name Elevation 229137 COG OPERATING LLC 3634 ¹⁰ Surface Location UL or lot no, Section Township Range Lot film Feet from the North/South line Fect from the East/West line County K 30E 20 17S 1650 South 2250 West Eddy 11 Bottom Hole Location If Different From Surface 1.1 UL or lot ao. Section Township Range Lot Ida Feet from the North/South line Feet from the East/West lin County Dedicated Acres Joint or Infili ¹⁴ Consulidation Code Order No. 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 **OPERATOR CERTIFICATION** hereby certify that the hybraution contained borein is true sest of my knowledge and belief. Kanicia Carrillo Printed Name **Regulatory Analyst** Title and E-mail Address 07/17/15 Date : ب درجی و درجی و درجی ¹⁸SURVEYOR CERTIFICATION I hereby cerufy that the well location shown on this plat was planed from field notes of actual surveys made by me or under 2250' my supervision, and that the sume is true and correct to the best of my belief. **Referred Original Plat** C220 8 C222 Date of Survey Signature and Seal of Professional Surveyor 650' Cartificate Number

RW. 5-4-18.

<u>Pistrict I</u> 1625 N. French Dr., Hobbs, NM 88240 District II 1301 W. Grand Avenue, Artesia, NM 83210 District III 1000 Rio Brazos Rd., Azter, NM 87410 District IV 1220 S. St. Francis Dr., Sonia Fe, NM 87505

State of New Mexico - Energy, Minerals & Natural Resources Department **OIL CONSERVATION DIVISION** 1220 South St. Francis Dr.

Form C-102 Revised June 10, 2003 Submit to Appropriate District Office State Lease - 4 Copies Fee Lonse - 3 Copies

Santa Fe, NM 87505

AMENDED REPORT

		• W	ELL LO	CATION	AND ACR	EAGE DEDIC	CATION PLA	λT'			
'API Number . 30-015-31787				' Pool Code 96718		'Pool Name Loco Hills; Glorietu-Yeso					
			ſ								
Property Code				* Property Name				Well Number			
3025	•		W D McIntyre E					8			
OGRID			· · · · · · · · · · · · · · · · · · ·		" Operator		· .		'Elevation		
229137				COG OPERAT		TING LLC			3634		
	•		•		¹⁰ Surface	Location	· · ·		•.		
UL ar lot no.	Section	Township	Range	Lot Ida	Feet from the	North/South line	Feet from the	East/West line	County		
K	20	175	30E	•	1650	South	2250	West	Eddy		
			" Bo	tom Hole	e Location I	Different Fror	n Surface		• •		
UL or lot no.	Section	Township	Range	Lot Ida	Pect from the	North/South line	Feet from the	Enst/West line	County		
						· · · ·					
Dedicated Acre 40	s ¹⁴ Joint o:	rinfüt ("C	onsolidation	Code 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

						¹⁷ OPERATOR CERTIFICATION I hereby certify that the information contained herein to true
l					1	and complete to the best of any knowledge and being
						XC
	· : ·			+ -		Signature Kanicia Carrillo
					· · · · ·	Praied Name
						Regulatory Analyst
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1						Dise
	1					
l		व जिल्ला से सिन्द्र 				¹⁸ SURVEYOR CERTIFICATION
			1 (1	I hereby certify that the well location shown on this plut was
	2250'					plotted from field notes of actual surveys made by me ar under.
ľ.) }	<u>م</u>		•	By supervision, and that the same is true and correct in the
		3	~ 8 • 9			best of my belief. Referred Original Plat
L						Date of Survey
						Signature and Scal of Professional Surveyor:
	1					· .
			6			
	·		1650'			
	}					Contilicute Member
L_						

WD Mcintyre E 8 30-015-31787 COG Operating LLC April 17, 2018 Conditions of Approval

Work to be completed by July 17, 2018.

1. Operator shall place a CIBP at 4,352' and place 40' Class C Cement on top of the CIBP. WOC and TAG.

Note: At a later date, THE CIBP at 4,352' and 40' cement must be drilled out in order to place a plug across the 5-1/2" casing shoe and liner top. The Glorieta Formation must also be abandoned properly at a later date.

- 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 formation. Operator to include new well plat and well bore schematic of current well condition when work is complete.
- 10. See attached for general requirements.

JAM 041718

BUREAU OF LAND MANAGEMENT Carlsbad Field Office 620 East Greene Street Carlsbad, New Mexico 88220 575-234-5972

General Requirements for Plug Backs

Failure to comply with the following Conditions of Approval may result in a Notice of Incidents of Noncompliance (INC) in accordance with 43 CFR 3163.1.

1. Plugging operations shall commence within <u>ninety (90)</u> days from this approval.

If you are unable to plug back the well by the 90th day provide this office, prior to the 90th day, with the reason for not meeting the deadline and a date when we can expect the well to be plugged back. Failure to do so will result in enforcement action.

2. <u>Notification:</u> Contact the appropriate BLM office at least 24 hours prior to the commencing of any plug back operations. For wells in Eddy County, call 575-361-2822.

3. <u>Blowout Preventers</u>: A blowout preventer (BOP), as appropriate, shall be installed before commencing any plugging operation. The BOP must be installed and maintained as per API and manufacturer recommendations. The minimum BOP requirement is a 2M system for a well not deeper than 9,090 feet; a 3M system for a well not deeper than 13,636 feet; and a 5M system for a well not deeper than 22,727 feet.

4. <u>Mud Requirement:</u> Mud shall be placed between all plugs. Minimum consistency of plugging mud shall be obtained by mixing at the rate of 25 sacks (50 pounds each) of gel per 100 barrels of **brine** water. Minimum nine (9) pounds per gallon.

5. <u>Cement Requirement</u>: Sufficient cement shall be used to bring any required plug to the specified depth and length. Any given cement volumes on the proposed plugging procedure are merely estimates and are not final. Unless specific approval is received, no plug except the surface plug shall be less than 25 sacks of cement. Any plug that requires a tag will have a minimum WOC time of 4 hours.

In lieu of a cement plug across perforations in a cased hole (not for any other plugs), a bridge plug set within 50 feet to 100 feet above the perforations shall be capped with 25 sacks of cement. **Before pumping cement on top of CIBP, tag will be required to verify depth. Based on depth, a tag of the cement may be deemed necessary.**

Unless otherwise specified in the approved procedure, the cement plug shall consist of either Neat Class "C", for up to 7,500 feet of depth or Neat Class "H", for deeper than 7,500 feet plugs.

6. <u>Subsequent Plug back Reporting</u>: Within 30 days after plug back work is completed, file one original and three copies of the Subsequent Report, Form 3160-5 to BLM. The report should give in detail the manner in which the plug back work was carried out, the extent (by depths) of cement plugs placed, and the size and location (by depths) of casing left in the well. <u>Show date work was completed</u>.

7. <u>Trash:</u> All trash, junk and other waste material shall be contained in trash cages or bins to prevent scattering and will be removed and deposited in an approved sanitary landfill. Burial on site is not permitted.