HOBBSOCD AUG 1 6 2018

Form 3160-3 (March 2012)

# RECEIVED

March 2012)  DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT  APPLICATION FOR PERMIT TO DRILL OR REENTER  1a. Type of work:	AUG 1 6 2018		<b>n</b>			m,
A Type of work:   DRILL   REENTER   7. If Unit or CA Agreement, Name and Well No.   7. If Unit or CA Agreement, Name and Well No.   7. If Unit or CA Agreement, Name and Well No.   7. If Unit or CA Agreement, Name and Well No.   7. If Unit or CA Agreement, Name and Well No.   7. If Unit or CA Agreement, Name and Well No.   7. If Unit or CA Agreement, Name and Well No.   7. If Unit or CA Agreement, Name and Well No.   7. If Unit or CA Agreement, Name and Well No.   7. If Unit or CA Agreement, Name and Well No.   7. If Unit or CA Agreement, Name and Well No.   7. If Unit or CA Agreement, Name and Well No.   7. If Unit or CA Agreement, Name and Well No.   7. If Unit or CA Agreement, Name and Well No.   7. If Unit or CA Agreement, Name and Well No.   7. If Unit or CA Agreement, Name and Well No.   7. If Unit or CA Agree	AUG 160-3. BECEIVED	Car	Isbad F	ield	FORM	APPROVED SUPE
APPLICATION FOR PERMIT TO DRILL OR REENTER  a. Type of work: DRILL REENTER  7. If Unit or CA Agreement, Name and Agreement, Name and Type of Well: Oil Well Gas Well Other  Name of Operator  COG OPERATING LLC 22977  ia. Address 600 West Illinois Ave Midland TX 79701  ia. Address 600 West Illinois Ave Midland TX 79701  ia. Address 600 West Illinois Ave Midland TX 79701  ia. Address 600 West Illinois Ave Midland TX 79701  ia. Address 600 West Illinois Ave Midland TX 79701  ia. Address 600 West Illinois Ave Midland TX 79701  ia. Address 600 West Illinois Ave Midland TX 79701  ia. Address 600 West Illinois Ave Midland TX 79701  ia. Address 600 West Illinois Ave Midland TX 79701  ia. Address 600 West Illinois Ave Midland TX 79701  ia. Address 600 West Illinois Ave Midland TX 79701  ib. Find and Pool, or Exploratory VilloCAT / WOLFCATIP VILLO AT 790 FWL / LAT 32.196171 / LONG -103.412186  At proposed prod zone SWSW / 200 FSL / 710 FWL / LAT 32.167274 / LONG -103.412186  Ib. Distance from proposed for SWSW / 200 FSL / 710 FWL / LAT 32.167274 / LONG -103.412799  Ib. Distance from proposed SWSW / 200 FSL / 710 FWL / LAT 32.167274 / LONG -103.412799  Ib. Distance from proposed location from nearest town or past office*  Ib. No. off acres in lease 12 County or Parish LEA NM  Ib. Distance from proposed location from nearest 1961.36  Ib. Distance from proposed location from nearest 1961.36  Ib. Spisance from proposed location from nearest 1961.36  Ib. Spisance from proposed location from nearest 1961.36  Ib. Spisance from proposed location from nearest 1961.36  Ib. No. off acres in lease 17. Spacing Unit dedicated to this well 200 nearest well, drilling, completed, 2422 feet applied for, on this lease, ft.  Ib. No. off acres in lease 17. Spacing Unit dedicated to this well 200 nearest well, drilling, completed, 2422 feet applied for, on this lease, ft.  Ib. No. off acres in lease 17. Spacing Unit dedicated to this well 200 nearest well, drilling, completed 2422 feet applied for, on this lease, ft.  Ib. No. off acres in lease	UNITED STATES		UCDH	MAR	OMB NO OMB N	lo. 1004-0137 October 31, 2014
APPLICATION FOR PERMIT TO DRILL OR REENTER  7. If Unit or CA Agreement, Name and Type of Welt: Doil Well Gas Well Other  Name of Operator  COG OPERATING LLC  2.977  1. Address 600 West Illinois Ave Midland TX 79701  1. Address 600 West Illinois Ave Midland TX 79701  1. Address 600 West Illinois Ave Midland TX 79701  1. Address 600 West Illinois Ave Midland TX 79701  1. Address 600 West Illinois Ave Midland TX 79701  1. Address 600 West Illinois Ave Midland TX 79701  1. Address 600 West Illinois Ave Midland TX 79701  1. Address 600 West Illinois Ave Midland TX 79701  2. Approximate Name and Midland TX 79701  3. Phone No. finclude area code)  4. FASCINATOR FEDERAL COM:  4. Proposed Federal Publication Federal Publication of Exploratory  4. Sec. TR. M. or Bilk and Survey or SEC 30 / T245 / R35E / NMP  Distance from proposed and direction from nearest town or pest office*  1. County or Parish 1. Sec. TR. M. or Bilk and Survey or SEC 30 / T245 / R35E / NMP  Distance from proposed SWSW / 200 FSL / 710 FWL / LAT 32.167274 / LONG -103.412799  Distance from proposed and direction from nearest town or pest office*  1. Elevations (Show whether DF, KDB, RT, GL, etc.)  1. Spacing Unit dedicated to this well 12790 feet / 22748 feet 12790 feet / 227	DEPARTMENT OF THE I	NTERIOR	7-41		S 5. Lease Serial No. NMNM014164	
Type of Well: Oil Well Gas Well Other Single Zone Multiple Zone FASCINATOR FEDERAL COMPANDED FOR SINGLE COG OPERATING LLC PROPERTY OF SINGLE COMPANDED FOR S	APPLICATION FOR PERMIT TO I	DRILL OF	REENTER		6. If Indian, Allotee	or Tribe Name
Type of Well:	Type of work:  DRILL REENTE	ER.			7 If Unit or CA Agre	ement, Name and No.
Address 600 West Illinois Ave Midland TX 79701  Location of Well (Report location clearly and in accordance with any State requirements.*)  At surface NWNW / 210 FNL / 920 FWL / LAT 32.195171 / LONG - 103.412186  At proposed prod. zone SWSW / 200 FSL / 710 FWL / LAT 32.195171 / LONG - 103.412186  At proposed prod. zone SWSW / 200 FSL / 710 FWL / LAT 32.167274 / LONG - 103.412799  Distance in miles and direction from nearest town or post office*  It. Sec. 7. R. M. or Blk and Survey or SEC 30 / T24S / R35E / NMP  Distance from proposed of location from nearest town or post office*  It. Sec. 7. R. M. or Blk and Survey or SEC 30 / T24S / R35E / NMP  Distance from proposed of location from nearest town or post office*  It. Sec. 7. R. M. or Blk and Survey or SEC 30 / T24S / R35E / NMP  Distance from proposed of location from nearest town or post office*  It. Sec. 7. R. M. or Blk and Survey or Parish LEA  It. Sec. 7.	ype of Well: Oil Well Gas Well Other	Sir	ngle Zone Multi	ple Zone 🦯	8. Lease Name and V	Well No. 3222 DERAL COM 705H
Address 600 West Illinois Ave Midland TX 79701  Location of Well (Report location clearly and in accordance with any State requirements.*)  At surface NWNW / 210 FNL / 920 FWL / LAT 32.195171 / LONG -103.412186  At proposed prod. zone SWSW / 200 FSL / 710 FWL / LAT 32.167274 / LONG -103.412799  Distance in miles and direction from nearest town or post office*  Inc. County or Parish  LEA  13. Sec. 30 / T24S / R35E / NMP  At proposed prod. zone SWSW / 200 FSL / 710 FWL / LAT 32.167274 / LONG -103.412799  Distance from proposed of location from nearest town or post office*  Inc. County or Parish  LEA  13. Sec. 30 / T24S / R35E / NMP  13. Sec. 30 / T24S / R35E / NMP  13. Sec. 30 / T24S / R35E / NMP  13. Sec. 30 / T24S / R35E / NMP  13. Sec. 30 / T24S / R35E / NMP  14. So location to nearest well diffuse to this well location to nearest well, diffuse, completed applied for, on this lease, ft.  15. No. of acres in loase  16. No. of acres in loase  17. Spacing Unit dedicated to this well location to nearest well, diffuse, completed, 2422 feet applied for, on this lease, ft.  16. No. of acres in loase  17. Spacing Unit dedicated to this well location to nearest well, diffuse, completed, 2422 feet applied for, on this lease, ft.  17. Spacing Unit dedicated to this well location to nearest well, diffuse, completed were well start with the nearest well diffuse, completed location for nothis lease, ft.  18. LEA  19. Proposed Depth  20. BLM/BIA Bond No. on file  FED: NMB000215  Elevations (Show whether DF, KDB, RT, GL, etc.)  21. Approximate date work will start and location in location is on National Forest System Lands, the leaves of the location is on National Forest System Lands, the leaves of the location is on National Forest System Lands, the leaves of the location is on National Forest System Lands, the leaves of the location is on National Forest System Lands, the leaves of the location is on National Forest System Lands, the leaves of the location is on National Forest System Lands, the leaves of the location is o	ame of Operator COG OPERATING LLC (229/	77)				5-45115
Location of Well (Report location clearly and in accordance with any State requirements.*)  At surface NWNW / 210 FNL / 920 FWL / LAT 32.195171 / LONG -103.412186  At proposed prod. zone SWSW / 200 FSL / 710 FWL / LAT 32.167274 / LONG -103.412799  Distance in miles and direction from nearest town or post office*  Distance from proposed*  Distance from proposed*  Distance from proposed group or lease line. ft. (Also to nearest drig. until line, if any)  Distance from proposed location*  16. No. of acres in lease property or lease line. ft. (Also to nearest drig. until line, if any)  Distance from proposed location*  199-Proposed-Depth  20. BLM/BIA Bond No. on file  12790 feet / 22748 feet FED: NMB000215  Elevations (Show whether DF, KDB, RT, GL, etc.)  171 feet  22. Approximate date work will start*  23. Estimated duration  24. Attachments  following, completed in accordance with the requirements of Onshore Oil and Gas Order No. 1, must be attached to this form:  4. Bond to cover the operations unless covered by an existing bond on lem 12 above).  5. Operator certification  5. UPO must be filed with the appropriate Forest Service Office).  Name (Printed-Typed)  Mayte Reyes / Ph: (575)748-6945  Date  O3/28/2018  Name (Printed-Typed)  Mayte Reyes / Ph: (575)748-6945  Date  O3/28/2018	ddress	3b. Phone No.	'			
At proposed prod. zone SWSW / 200 FSL / 710 FWL / LAT 32.167274 / LONG = 103.412799  Distance in miles and direction from nearest town or post office*  2 miles  Distance from proposed*  Distance from proposed*  Distance from proposed sea line. ft.  (Also to nearest drig. unit line, if any)  Distance from proposed location*  to nearest well, drilling, completed, 2422 feet applied for, on this lease, ft.  Elevations (Show whether DF, KDB, RT, GL, etc.)  19 Proposed Depth  10 Proposed Depth  20 BLM/BIA Bond No. on file  FED: NMB000215  Elevations (Show whether DF, KDB, RT, GL, etc.)  171 feet  22 Approximate date work will start*  23 Estimated duration 30 days  24. Attachments  following, completed in accordance with the requirements of Onshore Oil and Gas Order No.1, must be attached to this form:  Vell plat certified by a registered surveyor.  1 Drilling Plan.  Surface Use Plan (if the location is on National Forest System Lands, the UPO must be filed with the appropriate Forest Service Office).  Signature  Name (PrintedTyped)  Mayte Reyes / Ph: (575)748-6945  Date 03/28/2018  Name (PrintedTyped)  Cody Layton / Ph: (575)234-5959  Date 08/02/2018	ocation of Well (Report location clearly and in accordance with any	y State requirem	ents.*)		<u> </u>	
Distance in miles and direction from nearest town or post office*  Initials  Distance from proposed* LEA  Distance from proposed* Location to nearest Property or lease line. ft. (Also to nearest drig. unit line, if any)  Distance from proposed location* on earest well, drilling, completed, 2422 feet applied for, on this lease, ft.  Elevations (Show whether DF, KDB, RT, GL, etc.)  71 feet  Distance from proposed location* on earest well, drilling, completed, 2422 feet applied for, on this lease, ft.  Elevations (Show whether DF, KDB, RT, GL, etc.)  71 feet  22. Approximate date work will start*  23. Estimated duration 30 days  24. Attachments  Collowing, completed in accordance with the requirements of Onshore Oil and Gas Order No. 1, must be attached to this form:  Vell plat certified by a registered surveyor.  Distance from proposed*  19. Proposed Depth 20. BLM/BIA Bond No. on file FED: NMB000215  22. Approximate date work will start*  23. Estimated duration 30 days  24. Attachments  Collowing, completed in accordance with the requirements of Onshore Oil and Gas Order No. 1, must be attached to this form:  4. Bond to cover the operations unless covered by an existing bond or litem 20 above).  Surface Use Plan (if the location is on National Forest System Lands, the UPO must be filed with the appropriate Forest Service Office).  Signature  (Electronic Submission)  Name (Printed Typed)  Mayte Reyes / Ph: (575)748-6945  Date 03/28/2018					SEC 30 / T24S / R	35E / NMP
location to nearest 200 feet property or least line, if any)  Distance from proposed location* (Also to nearest well, drilling, completed, 2422 feet applied for, on this lease, ft.  Elevations (Show whether DF, KDB, RT, GL, etc.)  19 Proposed Depth  12790 feet / 22748 feet  Elevations (Show whether DF, KDB, RT, GL, etc.)  171 feet  222 Approximate date work will start*  23. Estimated duration 30 days  24. Attachments  following, completed in accordance with the requirements of Onshore Oil and Gas Order No.1, must be attached to this form:  Vell plat certified by a registered surveyor.  A Drilling Plan.  A Surface Use Plan (if the location is on National Forest System Lands, the UPO must be filed with the appropriate Forest Service Office).  Signature  (Electronic Submission)  Name (Printed Typed)  Mayte Reyes / Ph: (575)748-6945  Date  O3/28/2018	stance in miles and direction from nearest town or post office*	32.16/2/4/	LONG -103,4127	99	•	13. State
Distance from proposed location* to nearest well, drilling, completed, 2422 feet applied for, on this lease, ft.  Elevations (Show whether DF, KDB, RT, GL, etc.)  771 feet  19- Proposed Depth 12790 feet / 22748 feet 12790 feet / 22748 feet  Elevations (Show whether DF, KDB, RT, GL, etc.)  771 feet  23. Approximate date work will start* 24. Attachments  following, completed in accordance with the requirements of Onshore Oil and Gas Order No.1, must be attached to this form:  Well plat certified by a registered surveyor.  Well plan certified by a registered surveyor.  Well plan (if the location is on National Forest System Lands, the UPO must be filed with the appropriate Forest Service Office).  Signature  (Electronic Submission)  Name (Printed/Typed) Mayte Reyes / Ph: (575)748-6945  Date 03/28/2018  Name (Printed/Typed) Cody Layton / Ph: (575)234-5959  Date 08/02/2018	cation to nearest 200 feet operty or lease line, ft.	·	cres in lease	.1	g Unit dedicated to this v	weli
371 feet  O7/01/2018  24. Attachments  following, completed in accordance with the requirements of Onshore Oil and Gas Order No.1, must be attached to this form:  Well plat certified by a registered surveyor.  A Drilling Plan.  A Surface Use Plan (if the location is on National Forest System Lands, the BUPO must be filed with the appropriate Forest Service Office).  Signature  (Electronic-Submission)  Name (Printed Typed) Mayte Reyes / Ph: (575)748-6945  Name (Printed Typed) (Electronic Submission)  Name (Printed Typed) (Electronic Submission)  Date O3/28/2018	stance from proposed location* nearest well, drilling, completed, 2422 feet	Y . \	' /.			
following, completed in accordance with the requirements of Onshore Oil and Gas Order No.1, must be attached to this form:  Well plat certified by a registered surveyor.  A Drilling Plan.  A Surface Use Plan (if the location is on National Forest System Lands, the SUPO must be filed with the appropriate Forest Service Office).  Signature  Name (Printed Typed)  Mayte Reyes / Ph: (575)748-6945  Name (Printed Typed)  Regulatory Analyst  roved by (Signange)  (Electronic Submission)  Name (Printed Typed)  Name (Printed Typed)  Cody Layton / Ph: (575)234-5959  O8/02/2018	( ) 1			rt*	l	1
Vell plat certified by a registered surveyor.   Drilling Plan.						
Drilling Plan.  Surface Use Plan (if the location is on National Forest System Lands, the UPO must be filed with the appropriate Forest Service Office).  Signature  (Electronic Submission)  Regulatory Analyst  oved by (Signature)  (Electronic Submission)  Name (Printed/Typed)  Name (Printed/Typed)  Name (Printed/Typed)  Oddy  Name (Printed/Typed)  Date  Oddy Layton / Ph: (575)234-5959  O8/02/2018		e Oil and Gas (				/
UPO must be filed with the appropriate Forest Service Office).  Signature  (Electronic Submission)  Name (Printed/Typed) Mayte Reyes / Ph: (575)748-6945  Name (Printed/Typed) Oved by (Signature) (Electronic Submission)  Name (Printed/Typed) Oved by (Signature) (Electronic Submission)  Name (Printed/Typed) Oved by (Signature)	• • • • • • • • • • • • • • • • • • • •			he operation	ns unless covered by an	existing bond on file (see
(Electronic Submission) Mayte Reyes / Ph: (575)748-6945 03/28/2018  Regulatory Analyst oved by (Signature) Name (Printed/Typed) Date (Electronic Submission) Cody Layton / Ph: (575)234-5959 08/02/2018		Lands, the	6. Such other site		ormation and/or plans as	may be required by the
(Cody Layton / Ph. (575)234-5959  Name (Printed/Typed) Cody Layton / Ph. (575)234-5959  Date 08/02/2018	-		, ,,	748-6945		
(Electronic Submission)         Cody Layton / Ph: (575)234-5959         08/02/2018	Regulatory Analyst					
				224-5050		
Office	(Electronic Submission)	Office	Layton / Pil. (575)	234-3939		00/02/2010
cation approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicate of operations thereon. In the subject lease which would entitle the applications of approval, if any, are attached.	ation approval does not warrant or certify that the applicant holds			its in the sub	ject lease which would e	ntitle the applicant to
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 sany false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.	U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a cri	ime for any pe	erson knowingly and vithin its jurisdiction.	willfully to m	ake to any department o	r agency of the United
ontinued on page 2) / *(Instructions on p	-		,		# # /T	ructions on page 2)

pproval Date: 08/02/2018

### **INSTRUCTIONS**

GENERAL: This form is designed for submitting proposals to perform certain well operations, as indicated on Federal and Indian lands and leases for action by appropriate Federal agencies, pursuant to applicable Federal laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from local Federal offices.

ITEM 1: If the proposal is to redrill to the same reservoir at a different subsurface location or to a new reservoir, use this form with appropriate notations. Consult applicable Federal regulations concerning subsequent work proposals or reports on the well.

ITEM 4: Locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local Federal offices for specific instructions.

ITEM 14: Needed only when location of well cannot readily be found by road from the land or lease description. A plat, or plats, separate or on the reverse side, showing the roads to, and the surveyed location of, the well, and any other required information, should be furnished when required by Federal agency offices.

ITEMS 15 AND 18: If well is to be, or has been directionally drilled, give distances for subsurface location of hole in any present or objective productive zone.

ITEM 22: Consult applicable Federal regulations, or appropriate officials, concerning approval of the proposal before operations are started.

# NOTICES

The Privacy Act of 1974 and regulation in 43 CFR 2:48(d) provide that you be furnished the following information in connection with information required by this application.

AUTHORITY: 30 U.S.C. 181 et seq., 25 U.S.C. 396; 43 CFR 3160

PRINCIPAL PURPOSES: The information will be used to: (1) process and evaluate your application for a permit to drill a new oil, gas, or service well or to reenter a plugged and abandoned well; and (2) document, for administrative use, information for the management, disposal and use of National Resource Lands and resources including (a) analyzing your proposal to discover and extract the Federal or Indian resources encountered; (b) reviewing procedures and equipment and the projected impact on the land involved; and (c) evaluating the effects of the proposed operation on the surface and subsurface water and other environmental impacts. ROUTINE USE: Information from the record and/or the record will be transferred to appropriate Federal, State, and local or foreign agencies, when relevant to civil, criminal or regulatory investigations or prosecution, in connection with congressional inquiries and for regulatory responsibilities.

EFFECT OF NOT PROVIDING INFORMATION: Filing of this application and disclosure of the information is mandatory only if you elect to initiate a drilling or reentry operation on an oil and gas lease.

The Paperwork Reduction Act of 1995 requires us to inform you that:

The BLM collects this information to allow evaluation of the technical, safety, and environmental factors involved with drilling for oil and/or gas on Federal and Indian oil and gas leases. This information will be used to analyze and approve applications. Response to this request is mandatory only if the operator elects to initiate drilling or reentry operations on an oil and gas lease. The BLM would like you to know that you do not have to respond to this or any other Federal agency-sponsored information collection unless it displays a currently valid OMB control number.

BURDEN HOURS STATEMENT: Public reporting burden for this form is estimated to average 8 hours per response, including the time for reviewing instructions, gathering and maintaining data, and completing and reviewing the form. Direct comments regarding the burden estimate or any other aspect of this form to U.S. Department of the Interior, Bureau of Land Management (1004-0137), Bureau Information Collection Clearance Officer (WO-630), 1849 C Street, N.W., Mail Stop 401 LS, Washington, D.C. 20240.

(Continued on page 3)

(Form 3160-3, page 2)

# **Additional Operator Remarks**

### **Location of Well**

1. SHL: NWNW / 210 FNL / 920 FWL / TWSP: 24S / RANGE: 35E / SECTION: 30 / LAT: 32.195171 / LONG: -103.412186 (TVD: 0 feet, MD: 0 feet)

PPP: SWNW / 1320 FNL / 710 FWL / TWSP: 24S / RANGE: 35E / SECTION: 31 / LAT: 32.177468 / LONG: -103.412824 (TVD: 12745 feet, MD: 18900 feet)

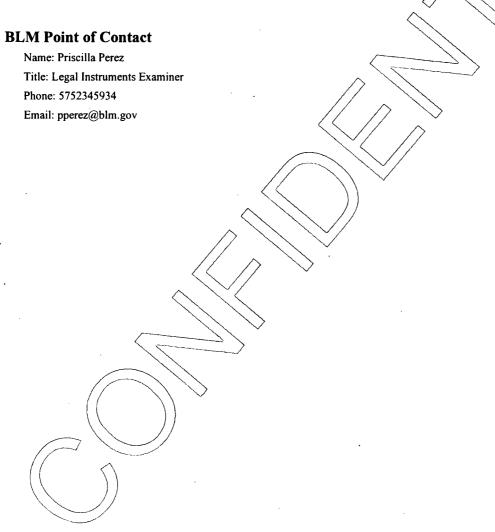
PPP: NWSW / 2640 FSL / 710 FWL / TWSP: 24S / RANGE: 35E / SECTION: 31 / LAT: 32.173952 / LONG: -103.412816 (TVD: 127261 feet, MD: 20200 feet)

PPP: NWNW / 0 FNL / 710 FWL / TWSP: 24S / RANGE: 35E / SECTION: 31 / LAT: 32.180985 / LONG: -103.412832 (TVD: 12728 feet, MD: 17500 feet)

PPP: NWNW / 330 FNL / 710 FWL / TWSP: 24S / RANGE: 35E / SECTION: 30 / LAT: 32.194842 / LONG: -103.412867 (TVD: 12664 feet, MD: 12900 feet)

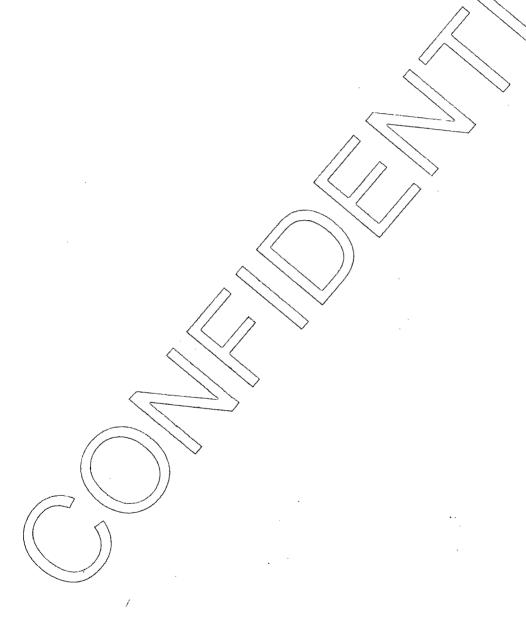
PPP: NWSW / 2640 FSL / 710 FWL / TWSP: 24S / RANGE: 35E / SECTION: 30 / LAT: 32.188367 / LONG: -103.41285 (TVD: 12697 feet, MD: 14900 feet)

BHL: SWSW / 200 FSL / 710 FWL / TWSP: 24S / RANGE: 35E / SECTION: 31 / LAT: 32.1672/4 / LONG: -103.412799 (TVD: 12790 feet, MD: 22748 feet)



# **Review and Appeal Rights**

A person contesting a decision shall request a State Director review. This request must be filed within 20 working days of receipt of the Notice with the appropriate State Director (see 43 CFR 3165.3). The State Director review decision may be appealed to the Interior Board of Land Appeals, 801 North Quincy Street, Suite 300, Arlington, VA 22203 (see 43 CFR 3165.4). Contact the above listed Bureau of Land Management office for further information.



(Form 3160-3, page 4)



# U.S. Department of the Interior BUREAU OF LAND MANAGEMENT

# **Application Data Report**

APD ID: 10400028881 Submission Date: 03/28/2018

**Operator Name: COG OPERATING LLC** 

Well Name: FASCINATOR FEDERAL COM

Well Type: OIL WELL

Well Number: 705H

Well Work Type: Drill



**Show Final Text** 

# Section 1 - General

APD ID:

10400028881

Tie to previous NOS?

Submission Date: 03/28/2018

**BLM Office: CARLSBAD** 

**User:** Mayte Reves

Title: Regulatory Analyst

Federal/Indian APD: FED

Is the first lease penetrated for production Federal or Indian? FED

Lease number: NMNM014164

Lease Acres: 1961.36

Surface access agreement in place?

Allotted?

Reservation:

Agreement in place? NO

Federal or Indian agreement:

Agreement number:

Agreement name:

Keep application confidential? YES

**Permitting Agent? NO** 

**APD Operator: COG OPERATING LLC** 

Operator letter of designation:

# **Operator Info**

**Operator Organization Name: COG OPERATING LLC** 

Operator Address: 600 West Illinois Ave

Zip: 79701

**Operator PO Box:** 

**Operator City: Midland** 

State: TX

**Operator Phone:** (432)683-7443

Operator Internet Address: RODOM@CONCHO.COM

# **Section 2 - Well Information**

Well in Master Development Plan? NO

Mater Development Plan name:

Well in Master SUPO? NO

Master SUPO name:

Well in Master Drilling Plan? NO

Master Drilling Plan name:

Well Name: FASCINATOR FEDERAL COM

Well Number: 705H

Well API Number:

Field/Pool or Exploratory? Field and Pool

Field Name: WILDCAT

Pool Name: WOLFCAMP

Is the proposed well in an area containing other mineral resources? USEABLE WATER

Well Name: FASCINATOR FEDERAL COM Well Number: 705H

Describe other minerals:

Is the proposed well in a Helium production area? N Use Existing Well Pad? NO

New surface disturbance?

Type of Well Pad: MULTIPLE WELL

Multiple Well Pad Name:

Number: 603H, 704H AND

FASCINATOR FEDERAL COM-

**Number of Legs:** 

Well Class: HORIZONTAL

Well Work Type: Drill Well Type: OIL WELL

**Describe Well Type:** 

Well sub-Type: EXPLORATORY (WILDCAT)

Describe sub-type:

Distance to town: 12 Miles

Distance to nearest well: 2422 FT

Distance to lease line: 200 FT

705H

Reservoir well spacing assigned acres Measurement: 320 Acres

Well plat:

COG\_Fascinator\_705H\_C102\_20180327111515.pdf

Well work start Date: 07/01/2018

**Duration: 30 DAYS** 

# **Section 3 - Well Location Table**

Survey Type: RECTANGULAR

**Describe Survey Type:** 

Datum: NAD83

Vertical Datum: NAVD88

Survey number:

	NS-Foot	NS Indicator	EW-Foot	EW Indicator	Twsp	Range	Section	Aliquot/Lot/Tract	Latitude	Longitude	County	State	Meridian	Lease Type	Lease Number	Elevation	MD	TVD
SHL Leg #1	210	FNL	920	FWL	24S	35E	30	Aliquot NWN W	32.19517 1	- 103.4121 86	LEA	NEW MEXI CO	—	s	STATE	337 1	0	0
KOP Leg #1	210	FNL	920	FWL	248	35E	30	Aliquot NWN W	32.19517 1	- 103.4121 86	LEA	NEW MEXI CO		S	STATE	337 1	0	0
PPP Leg #1	264 0	FSL	710	FWL	248	35E	30	Aliquot NWS W	32.18836 7	- 103.4128 5	LEA	NEW MEXI CO	' ' - ' '	F	FEE	- 932 6	149 00	126 97



# U.S. Department of the Interior BUREAU OF LAND MANAGEMENT

# Drilling Plan Data Report

Submission Date: 03/28/2018

**Operator Name: COG OPERATING LLC** 

Well Name: FASCINATOR FEDERAL COM

Well Number: 705H

**Show Final Text** 

Well Type: OIL WELL

APD ID: 10400028881

Well Work Type: Drill

# **Section 1 - Geologic Formations**

Formation	F		True Vertical	1	1 14111 -	Min and Decay	Producing
1D 1	Formation Name UNKNOWN	Elevation 3371	Depth 0	Depth 0	Lithologies	Mineral Resources	Formation No
·						113772	
2	RUSTLER	2266	1105	1105	· · · · · · · · · · · · · · · · · · ·	NONE	No
3	TOP SALT	2069	1302	1302	SALT	NONE	No
4	BOTTOM SALT	-1779	5150	5150	ANHYDRITE	NONE	No
5	LAMAR	-2105	5476	5476	LIMESTONE	NATURAL GAS,OIL	No
6	BELL CANYON	-2128	5499	5499		NONE	No
7	CHERRY CANYON	-3103	6474	6474		NATURAL GAS,OIL	No
8	BRUSHY CANYON	-4711	8082	8082		NATURAL GAS,OIL	No
9	BONE SPRING LIME	-5954	9325	9325	SANDSTONE	NATURAL GAS,OIL	No
10	UPPER AVALON SHALE	-6304	9675	9675		NATURAL GAS,OIL	No
11		-6545	9916	9916		NATURAL GAS,OIL	No
12	BONE SPRING 1ST	-7113	10484	10484		NATURAL GAS,OIL	No
13	BONE SPRING 2ND	-7819	11190	11190		NATURAL GAS,OIL	No
14	BONE SPRING 3RD	-8769	12140	12140		NATURAL GAS,OIL	No
15	WOLFCAMP	-9189	12560	12560	SHALE	NATURAL GAS,OIL	Yes

# **Section 2 - Blowout Prevention**

Well Name: FASCINATOR FEDERAL COM Well Number: 705H

Pressure Rating (PSI): 10M

Rating Depth: 12790

**Equipment:** Annular, Blind Ram, Pipe Ram. Other accessories to the BOP equipment will include a Kelly cock and floor safety valve (inside BOP) and choke lines and choke manifold

Requesting Variance? YES

Variance request: A variance is requested for the use of a flexible choke line from the BOP to the choke manifold. See attached for specs and hydrostatic test chart.

**Testing Procedure:** BOP/BOPE will be tested by an independent service company to 250 psi low and the high pressure indicated above per Onshore Order 2 requirements. The System may be upgraded to a higher pressure but still tested to the working pressure listed in the table above. If the system is upgraded all the components installed will be functional and tested. Pipe rams will be operationally checked each 24 hour period. Blind rams will be operationally checked on each trip out of the hole. These checks will be noted on the daily tour sheets.

# **Choke Diagram Attachment:**

COG Fascinator 705H 10M Choke 20180327112712.pdf

# **BOP Diagram Attachment:**

COG\_Fascinator\_705H\_10M\_BOP\_20180327112726.pdf

COG\_Fascinator\_705H\_Flex\_Hose\_20180327112736.pdf

Pressure Rating (PSI): 5M

Rating Depth: 12140

**Equipment:** Annular. Accessories to the BOP equipment will include a Kelly cock and floor safety valve (inside BOP) and choke lines and choke manifold.

Requesting Variance? YES

**Variance request:** A variance is requested for the use of a flexible choke line from the BOP to the choke manifold. See attached for specs and hydrostatic test chart.

**Testing Procedure:** BOP/BOPE will be tested by an independent service company to 250 psi low and the high pressure indicated above per Onshore Order 2 requirements. The System may be upgraded to a higher pressure but still tested to the working pressure listed in the table above. If the system is upgraded all the components installed will be functional and tested. Pipe rams will be operationally checked each 24 hour period. Blind rams will be operationally checked on each trip out of the hole. These checks will be noted on the daily tour sheets.

# **Choke Diagram Attachment:**

COG\_Fascinator\_705H\_5M\_Choke\_20180327112812.pdf

# **BOP Diagram Attachment:**

COG Fascinator 705H 5M BOP 20180327112818.pdf

COG Fascinator 705H Flex Hose 20180327112830.pdf

Well Name: FASCINATOR FEDERAL COM Well Number: 705H

# **Section 3 - Casing**

Casing ID	String Type	Hole Size	Csg Size	Condition	Standard	Tapered String	Top Set MD	Bottom Set MD	Top Set TVD	Bottom Set TVD	Top Set MSL	Bottom Set MSL	Calculated casing length MD	Grade	Weight	Joint Type	Collapse SF	Burst SF	Joint SF Type	Joint SF	Body SF Type	Body SF
1	SURFACE	17.5	13.375	NEW	API	N <sub>.</sub>	0	1190	0	1190	-9411	- 10581	1190	J-55	54.5	STC	2.12	5.92	DRY	7.93	DRY	7.93
1	INTERMED IATE	12.2 5	9.625	NEW	API	N	0	12140	0	12140		- 21491	12140	HCL -80		OTHER - BTC	1.45	1.03	DRY	1.97	DRY	1.97
3	PRODUCTI ON	8.5	5.5	NEW	API	N	0	22748	0	22748		- 29318	22748	P- 110		OTHER - BTC	1.75	2.06	DRY	2.46	DRY	2.46

# **Casing Attachments**

Casing ID: 1

String Type: SURFACE

**Inspection Document:** 

**Spec Document:** 

**Tapered String Spec:** 

Casing Design Assumptions and Worksheet(s):

COG\_Fascinator\_705H\_Casing\_Rpt\_20180327113105.pdf

Well Name: FASCINATOR FEDERAL COM

Well Number: 705H

# **Casing Attachments**

Casing ID: 2

String Type: INTERMEDIATE

**Inspection Document:** 

**Spec Document:** 

**Tapered String Spec:** 

Casing Design Assumptions and Worksheet(s):

COG\_Fascinator\_705H\_Casing\_Rpt\_20180327113055.pdf

Casing ID: 3

String Type: PRODUCTION

**Inspection Document:** 

**Spec Document:** 

**Tapered String Spec:** 

Casing Design Assumptions and Worksheet(s):

COG\_Fascinator\_705H\_Casing\_Rpt\_20180327113049.pdf

# Section 4 - Cement

String Type	Lead/Tail	Stage Tool Depth	Top MD	Bottom MD	Quantity(sx)	Yield	Density	Cu Ft	Excess%	Cement type	Additives
SURFACE	Lead		0	1190	520	1.75	13.5	910	50	Class C	4% Gel
SURFACE	Tail		0	1190	250	1.34	14.8	335	50	Class C	2% CaCl2
INTERMEDIATE	Lead		0	1214 0	1000	2.8	11	2800	50	Lead: NEOCEM	As needed
INTERMEDIATE	Tail		0	1214 0	300	1.1	16.4	330	50	Class H	As needed
PRODUCTION	Lead		0	2274 8	400	2	12.7	800	35	Lead: 35:65:6 H BLEND	As needed

Well Name: FASCINATOR FEDERAL COM Well Number: 705H

String Type	Lead/Tail	Stage Tool Depth	Тор МD	Bottom MD	Quantity(sx)	Yield	Density	Cu Ft	Excess%	Cement type	Additives
PRODUCTION	Tail	,	0	2274 8	2920	1.24	14.4	3620	35	Tail: 50:50:2 Class H Blend	As needed

# **Section 5 - Circulating Medium**

Mud System Type: Closed

Will an air or gas system be Used? NO

Description of the equipment for the circulating system in accordance with Onshore Order #2:

Diagram of the equipment for the circulating system in accordance with Onshore Order #2:

Describe what will be on location to control well or mitigate other conditions: Sufficient mud materials to maintain mud properties and meet minimum lost circulation and weight increase requirements will be kept on location at all times.

Describe the mud monitoring system utilized: PVT/Pason/Visual Monitoring

# **Circulating Medium Table**

Top Depth	Bottom Depth	Mud Type	Min Weight (Ibs/gal)	Max Weight (Ibs/gal)	Density (lbs/cu ft)	Gel Strength (lbs/100 sqft)	. на	Viscosity (CP)	Salinity (ppm)	Filtration (cc)	Additional Characteristics
1214 0	2274 8	OIL-BASED MUD	10.5	12.5		!					ОВМ
0	1190	OTHER : FW Gel	8.4	8.6							FW Gel
1190	1214 0	OTHER : Diesel Brine Emulsion	8.6	9.4							Diesel Brine Emulsion

Well Name: FASCINATOR FEDERAL COM Well Number: 705H

# Section 6 - Test, Logging, Coring

List of production tests including testing procedures, equipment and safety measures:

None planned

List of open and cased hole logs run in the well:

CNL,GR

Coring operation description for the well:

None planned

# Section 7 - Pressure

**Anticipated Bottom Hole Pressure: 8315** 

**Anticipated Surface Pressure: 5501.2** 

Anticipated Bottom Hole Temperature(F): 185

Anticipated abnormal pressures, temperatures, or potential geologic hazards? NO

Describe:

Contingency Plans geoharzards description:

Contingency Plans geohazards attachment:

Hydrogen Sulfide drilling operations plan required? YES

Hydrogen sulfide drilling operations plan:

COG\_Fascinator\_705H\_H2S\_SUP\_20180327113438.pdf COG\_Fascinator\_705H\_H2S\_Schem\_20180327113445.pdf

# **Section 8 - Other Information**

Proposed horizontal/directional/multi-lateral plan submission:

COG\_Fascinator\_705H\_AC\_Rpt\_20180327113508.pdf COG\_Fascinator\_705H\_Direct\_Plan\_20180327113516.pdf

Other proposed operations facets description:

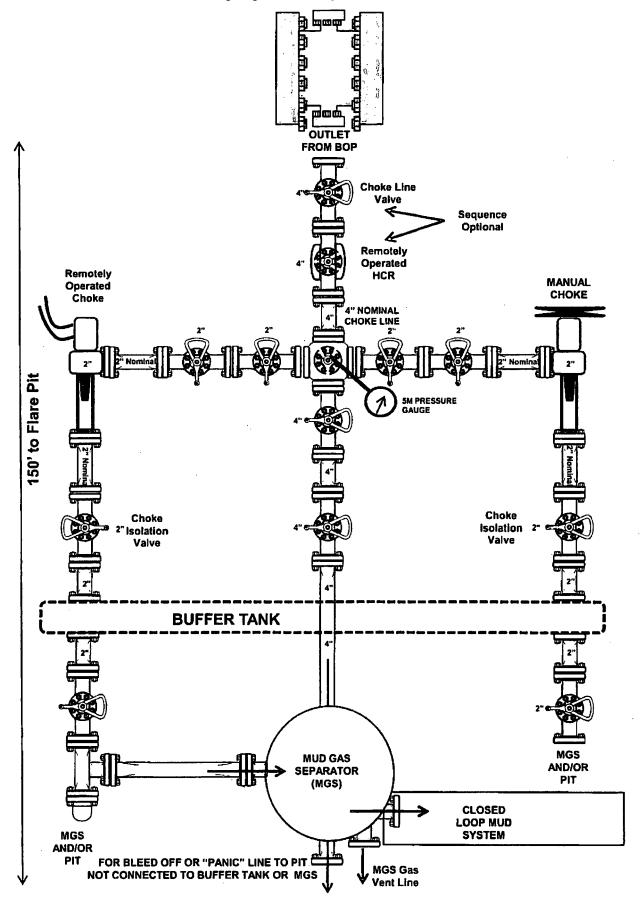
Other proposed operations facets attachment:

COG\_Fascinator\_705H\_Drill\_Prog\_20180716083929.pdf COG\_Fascinator\_705H\_GCP\_20180716083936.pdf

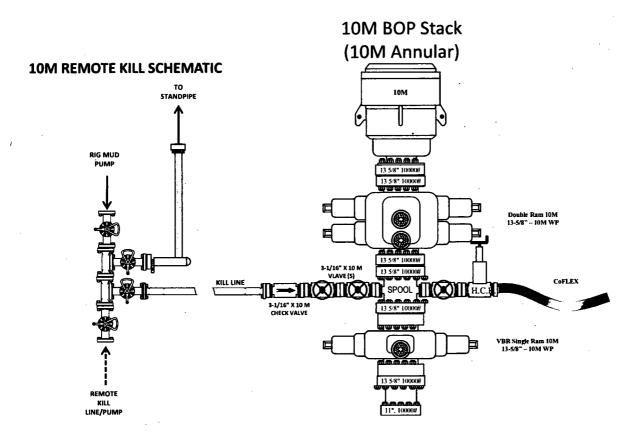
Other Variance attachment:

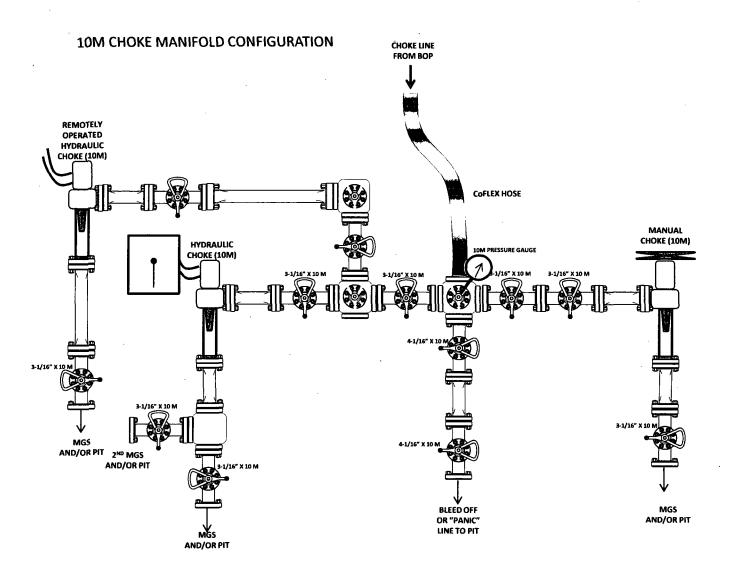
COG\_5M\_Annular\_Variance\_WCP\_20180322084749.pdf

# 5M Choke Manifold Equipment (WITH MGS + CLOSED LOOP)

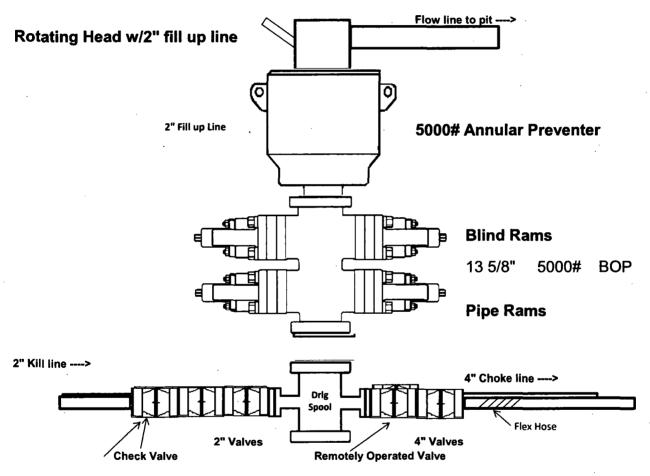


# 10M BOP Stack





# 5,000 psi BOP Schematic





Certificat	e of Conformity
Customer: HOUSTON	Customer P.O.# 0
Sales Order # 0	Date Assembled: 3/3/2011
Spe	cifications
Hose Assembly Type: Choke & Kill	Rig # 23
Assembly Serial # 94260	Hose Lot # and Date Code 5544-05/2010
Hose Working Pressure (psi) 10000	Test Pressure (psi) 15000
Hose Assembly Description: CK6	54-SS-10K-6410K-6410K-11.00' FT-W/LIFTERS

We hereby certify that the above material supplied for the referenced purchase order to be true according to the requirements of the purchase order and current industry standards.

Supplier:

Midwest Hose & Specialty, Inc.

3312 S I-35 Service Rd

Oklahoma City, OK 73129

Comments:

Approved By	Date
Clardon Ah	5/1/2017



Midwest Hose & Specialty, Inc.

General Informa	ition	atic Test Certificate  Hose Speci	ications
Customer	HOUSTON	Hose Assembly Type	Choke & Kill
MWH Sales Representative	Mike Lopez	Certification	API 7K/FSL LEVEL2
Date Assembled	3/3/2011	Hose Grade	MUD
Location Assembled	ОКС	Hose Working Pressure	10000
Sales Order #	•	Hose Lot # and Date Code	5544-05/2010
Customer Purchase Order #		Hose I.D. (Inches)	4"
Assembly Serial # (Pick Ticket #)	94260	Hose O.D. (Inches)	6.48"
Hose Assembly Length	45FT	Armor (yes/no)	YES
	Fi	tings	ingstanding of the co
End A	· · · · · · · · · · · · · · · · · · ·	End I	3
Stem (Part and Revision #)	R4.0X64WB	Stem (Part and Revision #)	R4.0X64WB
Stem (Heat #)		Stem (Heat #)	
Ferrule (Part and Revision #)	RF4.0X6370	Ferrule (Part and Revision #)	RF4.0X6370
Ferrule (Heat #)		Ferrule (Heat #)	
Connection . Flange Hammer Union Part	4-1/16 10K	Connection (Part #)	4-1//16 10K
Connection (Heat #)	· 25 · 4 · 5 · 5 · 6 · 6 · 6 · 6 · 6 · 6 · 6 · 6	Connection (Heat #)	
Nut (Port #)		Nut (Part#)	
Nut (Heat#)		Nut (Heat #)	
Dies Used	6.38"	Dies Used	6.38"
	Hydrostatic Te	est Requirements	A CONTRACTOR OF STREET
Test Pressure (psi)	15,000	Hose assembly was tested	l with ambient water
Test Pressure Hold Time (minutes)	11	tempera	ture.

### March 3, 2011

# Midwest Hose & Specialty, Inc.

# **Internal Hydrostatic Test Graph**

Customer: Houston

Pick Ticket #: 94260

**Verification** 

### **Hose Specifications**

Hose Type
C & K
LD.
4**
Working Pressure
10000 PSI

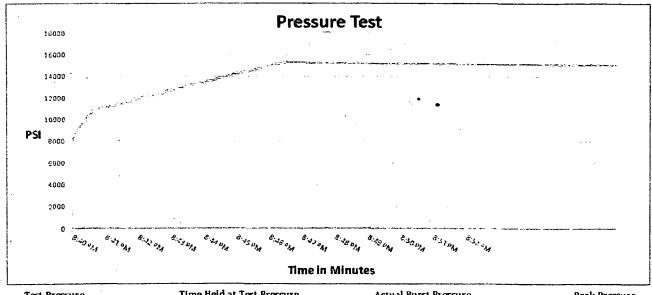
Length
45'
O.D.
6.09"
Rurst Pressure
Standard Safety Multiplier Applies

4 1/16 10k <u>Die Size</u> 6.38" <u>Hose Serial #</u> 5544

Type of Fitting

Coupling Method
Swage
Final O.D.
6.25"
Hose Assembly Serial #

5544 79793



Test Pressure 15000 PSI Time Held at Test Pressure
11 Minutes

Actual Burst Pressure

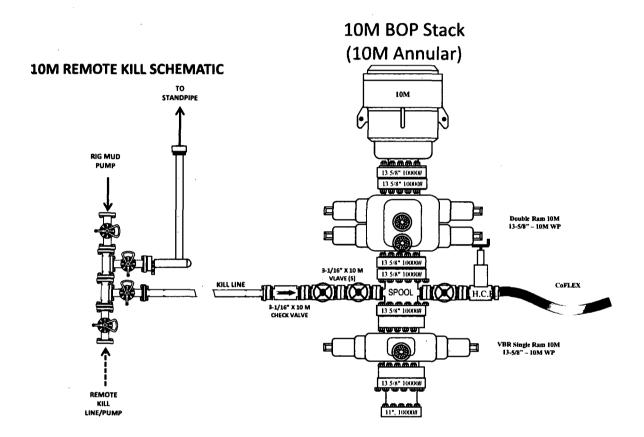
Peak Pressure 15483 PSI

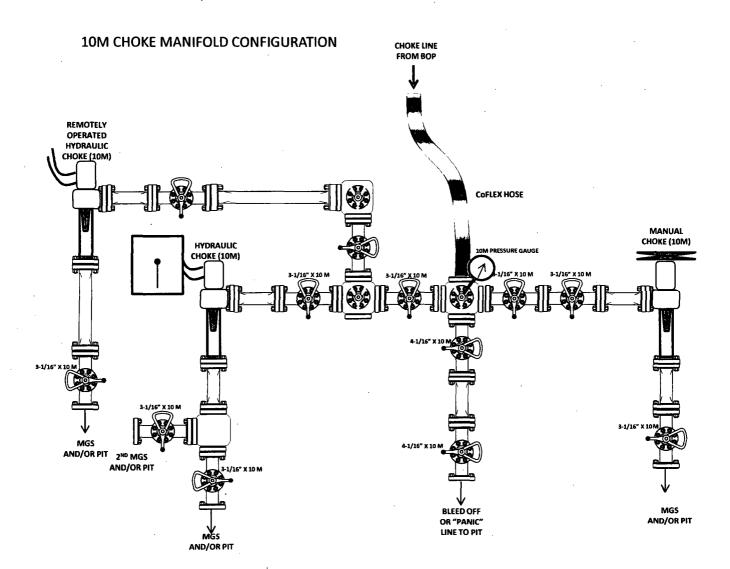
Comments: Hose assembly pressure tested with water at ambient temperature.

Tested By: Zac Mcconnell

Approved By: Kim Thomas

# 10M BOP Stack







Midwest Hose & Specialty, Inc.

	Certificate	of Conformity	
Customer: HOUSTON		Customer P.O.# 0	
Sales Order # 0		Date Assembled: 3/3/20	11
	Spec	ifications	
Hose Assembly Type:	Choke & Kill	Rig # 23	
Assembly Serial #	94260	Hose Lot # and Date Co	de 5544-05/2010
Hose Working Pressure (psi)	10000	Test Pressure (psi)	15000
Hose Assembly Description:	СК6	4-SS-10K-6410K-6410K-11.00	FT-W/LIFTERS
to the requirements of the purch Supplier: Midwest Hose & Specialty, Inc. 3312 S I-35 Service Rd	•	-	order to be true according
to the requirements of the purch Supplier: Midwest Hose & Specialty, Inc. 3312 S I-35 Service Rd Oklahoma City, OK 73129	•	-	order to be true according
We hereby certify that the above to the requirements of the purchase of the purchase supplier:  Midwest Hose & Specialty, Inc.  3312 S I-35 Service Rd  Oklahoma City, OK 73129  Comments:	•	-	order to be true according
to the requirements of the purch Supplier: Midwest Hose & Specialty, Inc. 3312 S I-35 Service Rd Oklahoma City, OK 73129	ase order and curr	ent industry standards.	order to be true according



Midwest Hose & Specialty, Inc.

# Internal Hydrostatic Test Certificate

General Inform	ation	Hose Specif	ications
Customer	HOUSTON	Hose Assembly Type	Choke & Kill
MWH Sales Representative	Mike Lopez	Certification	API 7K/FSL LEVEL2
Date Assembled	3/3/2011	Hose Grade	MUD
Location Assembled	ОКС	Hose Working Pressure	10000
Sales Order #		Hose Lot # and Date Code	5544-05/2010
Customer Purchase Order #		Hose I.D. (Inches)	4"
Assembly Serial # (Pick Ticket #)	94260	Hose O.D. (Inches)	6.48"
Hose Assembly Length	45FT	Armor (yes/no)	YES
	Fii	tings	
End A		End I	3
Stem (Part and Revision #)	R4.0X64WB	Stem (Part and Revision #)	R4.0X64WB
Stem (Heat #)		Stem (Heat #)	
Ferrule (Part and Revision #)	RF4.0X6370	Ferrule (Part and Revision #)	RF4.0X6370
Ferrule (Heat #)		Ferrule (Heat #)	
Connection . Flange Hammer Union Part	4-1/16 10K	Connection (Part #)	4-1//16 10K
Connection (Heat #)		Connection (Heat #)	
Nut (Port #)		Nut (Part #)	
Nut (Heat#)		Nut (Heat #)	
Dies Used	6.38"	Dies Used	6.38"
	Hydrostatic Te	est Requirements	
Test Pressure (psi)	15,000	Hose assembly was tested	with ambient water
Test Pressure Hold Time (minutes)	11	temperat	rure

# **Internal Hydrostatic Test Graph**



Customer: Houston

Pick Ticket #: 94260

### **Hose Specifications**

	Hose Type
٠	C & K
	LD
	4"
	Working Pressure

10000 PSI

Length Q.D. 6.09" Burst Pressure Seandard Sefety Multiplier Applies

Verification Type of Fitting 4 1/16 10K Die Size 6.38" Hose Serial # 5544

Coupling Method Swage Final O.D. 6.25" Hose Assembly Serial # 79793

**Pressure Test** 14000 16000 14000 12000 10000 PSI 8000 5900 4000 2000 Time in Minutes Actual Burst Pressure Peak Pressure

Test Pressure 15000 PSI

Time Held at Test Pressure 11 Minutes

15483 PSI

Comments: Hose assembly pressure tested with water at ambient temperature.

Tested By: Zac Mcconneil

# **Casing Program**

Hole Size	Casing From	g Interval To	Csg. Size	Weight (lbs)	Grade	Conn.	SF Collapse	SF Burst	SF Tension
17.5"	0	1190	13.375"	54.5	J55	STC	2.12	5.92	7.93
12.25"	0	12140	9.625"	47	HCL80	втс	1.45	1.03	1.97
8.5	0	22,748	5.5"	23	P110	втс	1.75	2.06	2.46
		BLM Minimum Safety Factor					1.125	1	1.6 Dry 1.8 Wet

Intermediate casing will be kept at least 1/3 full while running casing.to mitigate collapse. Intermediate burst based on 0.7 frac gradient at the shoe with Gas Gradient 0.1 psi/ft to surface. All casing strings will be tested in accordance with Onshore Oil and Gas Order #2 III.B.1.h

# **Casing Program**

Hole Size	Casin	g Interval	Con Si	Csg. Size Wei		Weight Grade Cor		SF	SF Burst	SF
noie Size	From	То	Csy. S	<u></u>	(lbs)	Grade	Conn.	Collapse	or Burst	Tension
17.5"	0	1190	13.37	5"	54.5	J55	STC	2.12	5.92	7.93
12.25"	0	12140	9.625	) 	47	HCL80	втс	1.45	1.03	1.97
8.5	0	22,748	5.5"		23	P110	втс	1.75	2.06	2.46
				BL	M Minimu	m Safety	/ Factor	1.125	1	1.6 Dry 1.8 Wet

Intermediate casing will be kept at least 1/3 full while running casing.to mitigate collapse. Intermediate burst based on 0.7 frac gradient at the shoe with Gas Gradient 0.1 psi/ft to surface. All casing strings will be tested in accordance with Onshore Oil and Gas Order #2 III.B.1.h

# 1. Geologic Formations

TVD of target	12,790' EOL	Pilot hole depth	NA
MD at TD:	22,748'	Deepest expected fresh water:	207'

Formation	Depth (TVD) from KB	Water/Mineral Bearing/ Target Zone?	Hazards*
Quaternary Fill	Surface	Water	
Rustler	1105	Water	
Top of Salt	1302	Salt	
Base of Salt	5150	Salt	
Lamar	5476	Salt Water	
Bell Canyon	5499	Salt Water	_
Cherry Canyon	6474	Oil/Gas	
Brushy Canyon	8082	Oil/Gas	
Bone Spring Lime	9325	Oil/Gas	
U. Avalon Shale	9675	Oil/Gas	
L. Avalon Shale	9916	Oil/Gas	
1st Bone Spring Sand	10484	Oil/Gas	
2nd Bone Spring Sand	11190	Oil/Gas	
3rd Bone Spring Sand	12140	Oil/Gas	
Wolfcamp	12560	Target Oil/Gas	

# 2. Casing Program

Holo Sizo	Casing		Csg. Si	Weight	Grade	C	SF	SF Burst	SF
Hole Size	From	То	Csg. 31	(lbs)	Grade	Conn.	Collapse		Tension
17.5"	0	1190	13.375	5" 54.5	J55	STC	2.12	5.92	7.93
12.25"	0	12140	9.625'	" 47	HCL80	втс	1.45	1.03	1.97
8.5	0	22,748	5.5"	23	P110	втс	1.75	2.06	2.46
				BLM Minimun	n Safety	Factor	1.125	1	1.6 Dry 1.8 Wet

Intermediate casing will be kept at least 1/3 full while running casing.to mitigate collapse. Intermediate burst based on 0.7 frac gradient at the shoe with Gas Gradient 0.1 psi/ft to surface. All casing strings will be tested in accordance with Onshore Oil and Gas Order #2 III.B.1.h

	Y or N
Is casing new? If used, attach certification as required in Onshore Order #1	Υ
Does casing meet API specifications? If no, attach casing specification sheet.	Υ
Is premium or uncommon casing planned? If yes attach casing specification sheet.	N
Does the above casing design meet or exceed BLM's minimum standards? If not provide justification (loading assumptions, casing design criteria).	Y
Will the intermediate pipe be kept at a minimum 1/3 fluid filled to avoid approaching the collapse pressure rating of the casing?	Υ
lo well legated within Coniton Boof?	N.
Is well located within Capitan Reef?	N N
If yes, does production casing cement tie back a minimum of 50' above the Reef?	
Is well within the designated 4 string boundary?	·
ls well located in SOPA but not in R-111-P?	N
If yes, are the first 2 strings cemented to surface and 3 <sup>rd</sup> string cement tied back 500' into previous casing?	
Is well located in R-111-P and SOPA?	N
If yes, are the first three strings cemented to surface?	1,7
Is 2 <sup>nd</sup> string set 100' to 600' below the base of salt?	
ls well located in high Cave/Karst?	N
If yes, are there two strings cemented to surface?	
(For 2 string wells) If yes, is there a contingency casing if lost circulation occurs?	
Is well located in critical Cave/Karst?	N.
If yes, are there three strings cemented to surface?	

# 3. Cementing Program

Casing	# Sks	Wt. lb/	Yld ft3/ sack	H₂0 gal/sk	500# Comp. Strength (hours)	· Slurry Description
Surf.	520	13.5	1.75	9	12	Lead: Class C + 4% Gel
Suri.	250	14.8	1.34	6.34	8	Tail: Class C + 2% CaCl2
Inter.	1000	11	2.8	19	48	Lead: NeoCem
Stage1	300	16.4	1.1	5	8	Tail: Class H
			,	DV Too	l @ 5475'	
Inter.	760	11	2.8	19	48	Lead: NeoCem
Stage2	100	14.8	1.35	6.34	8	Tail: Class C + 2% Cacl
E E D	400	12.7	2	10.6	16	Lead: 35:65:6 H Blend
5.5 Prod	2920	14.4	1.24	5.7	19	Tail: 50:50:2 Class H Blend

Volumes Subject to Observed Hole Conditions and/or Fluid Caliper Results
Lab reports with the 500 psi compressive strength time for the cement will be onsite for review.

Casing String	TOC	% Excess
Surface	0'	50%
1 <sup>st</sup> Intermediate	0'	50%
Production	11,140'	35%

# **4. Pressure Control Equipment**

N A variance is requested for the use of a diverter on the surface casing. See attached for schematic.

BOP installed and tested before drilling which hole?	Size?	Min. Required WP	Туре		x	Tested to:
			Ann	ular	Х	2500 psi
	13-5/8"	5M	Blind Ram			5M
12-1/4"			Pipe Ram		X	
			Double Ram		Х	
			Other*	·		
			5M Ar	nnular	X	5000 psi
			Blind Ram			
8-3/4"	13-5/8"	10M	Pipe Ram		Х	10M
			Double Ram		Х	
			Other*			

BOP/BOPE will be tested by an independent service company to 250 psi low and the high pressure indicated above per Onshore Order 2 requirements. The System may be upgraded to a higher pressure but still tested to the working pressure listed in the table above. If the system is upgraded all the components installed will be functional and tested.

Pipe rams will be operationally checked each 24 hour period. Blind rams will be operationally checked on each trip out of the hole. These checks will be noted on the daily tour sheets. Other accessories to the BOP equipment will include a Kelly cock and floor safety valve (inside BOP) and choke lines and choke manifold. See attached schematics.

	Formation integrity test will be performed per Onshore Order #2.
Y	On Exploratory wells or on that portion of any well approved for a 5M BOPE system or greater, a pressure integrity test of each casing shoe shall be performed. Will be tested in accordance with Onshore Oil and Gas Order #2 III.B.1.i.
Y	A variance is requested for the use of a flexible choke line from the BOP to Choke Manifold. See attached for specs and hydrostatic test chart.
	N Are anchors required by manufacturer?
N	A multibowl wellhead is being used. The BOP will be tested per Onshore Order #2 after installation on the surface casing which will cover testing requirements for a maximum of 30 days. If any seal subject to test pressure is broken the system must be tested.

# 5. Mud Program

	Depth	T	Weight	Vicesity	Wester Loop	
From	То	Туре	(ppg)	Viscosity	Water Loss	
0	Surf. Shoe	FW Gel	8.4 - 8.6	28-29	N/C	
Surf csg	Int shoe	Diesel Brine Emul	8.6 - 9.4	30-40	N/C	
Int shoe	Lateral TD	ОВМ	10.5 - 12.5	30-40	20	

Sufficient mud materials to maintain mud properties and meet minimum lost circulation and weight increase requirements will be kept on location at all times.

What will be used to monitor the loss	or gain of fluid?	PVT/Pason/Visual Monitoring

# 6. Logging and Testing Procedures

Logging, Coring and Testing.						
Y	Will run GR/CNL from TD to surface (horizontal well – vertical portion of hole). Stated logs run will be in the Completion Report and submitted to the BLM.					
N	Are Logs are planned based on well control or offset log information.					
N	Drill stem test? If yes, explain.					
N	Coring? If yes, explain.					

Additional logs planned		Interval		
N	Resistivity	Pilot Hole TD to ICP		
N	Density	Pilot Hole TD to ICP		
Υ	CBL	Production casing (If cement not circulated to surface)		
Y	Mud log	Intermediate shoe to TD		
N	PEX			

# 7. Drilling Conditions

Condition	Specify what type and where?		
BH Pressure at deepest TVD	8315 psi at 12790' TVD		
Abnormal Temperature	NO 185 Deg. F.		

No abnormal pressure or temperature conditions are anticipated. Sufficient mud materials to maintain mud properties and weight increase requirements will be kept on location at all times.

Sufficient supplies of Paper/LCM for periodic sweeps to control seepage and losses will be maintained on location.

Hydrogen Sulfide (H2S) monitors will be installed prior to drilling out the surface shoe. If H2S is detected in concentrations greater than 100 ppm, the operator will comply with the provisions of Onshore Oil and Gas Order #6. If Hydrogen Sulfide is encountered, measured values and formations will be provided to the BLM.

N	H2S is present	
Y	H2S Plan attached	

# 8. Other Facets of Operation

Y	Is it a walking operation?
N	Is casing pre-set?

×	H2S Plan.
×	BOP & Choke Schematics.
×	Directional Plan
х	5M Annular Variance



# 1. Component and Preventer Compatibility Table

The table below covers drilling and casing of the 10M MASP portion of the well and outlines the tubulars and the compatible preventers in use. Combined with the mud program, the below documents that two barriers to flow can be maintained at all times, independent of the rating of the annular preventer.

Component	OD	Preventer	RWP	
Drill pipe	5"			
HWDP	5"			
Jars	5"	Upper 4.5-7" VBR	10M	
Drill collars and MWD tools	6.25-6.75"	5" Lower 4.5-7" VBR		
Mud Motor	6.75"			
Production casing	5.5"	•		
ALL	0-13-5/8"	Annular	5M	
Open-hole	-	Blind Rams	10M	

VBR = Variable Bore Ram with compatible range listed in chart.

# 2. Well Control and Shut-In Procedures

Well control procedures are specific to the rig equipment and the operation at the time the kick occurs. Below are minimum tasks prescribed to assure a proper shut-in while drilling, tripping, running casing, pipe out of the hole (open hole), and moving the BHA through the BOPs. The maximum pressure at which well control is transferred from the annular to another compatible ram is 2500 psi.

# **Drilling:**

- 1. Sound the alarm (alert rig crew)
- 2. Space out the drill string
- 3. Shut down pumps and stop the rotary
- 4. Shut-in the well with the annular with HCR and choke in closed position
- 5. Confirm the well is shut-in
- 6. Notify contractor and company representatives
- 7. Read and record the following data
  - Time of shut-in
  - SIDPP and SICP
  - Pit gain
- 8. If pressure has increased to or is anticipated to increase to 2500 psi, confirm spacing and close the upper pipe rams.
- 9. Prepare for well kill operation.

# **Tripping:**

- 1. Sound alarm (alert rig crew)
- 2. Stab full opening safety valve and close the valve
- 3. Space out the drill string
- 4. Shut-in the well with the annular with HCR and choke in closed position
- 5. Confirm shut-in
- 6. Notify contractor and company representatives
- 7. Read and record the following data:

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

# State of New Mexico Energy, Minerals and Natural Resources Department

Submit Original to Appropriate District Office

Gas will connect

CTB TBD.

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505

GAS	CA	DTI	IDE	DI	A N

D	Pate: 1/12/2018		GAS CAP	IURE PLA	IN.			
Σ	Original		Operator &	& OGRID No	o.: <u>COG O</u>	/ erating LLC	, OGRID 229137	
	Amended - Reason for An	endment:_	· .					
No.	his Gas Capture Plan outling ew completion (new drill, red tote: Form C-129 must be submit Well(s)/Production Facility	complete to  ted and appro-	new zone, re-frac	) activity. ng 60 days elle	owed by Rule (	Subsection A o		for
T	he well(s) that will be locate	d at the proc	luction facility are	shown in th	e table belov	V		_
	Well Name	API	Well Location	Footages	Expected	Flared or	Comments	
	1		(ULSTR)	<b>/</b>	MCF/D	Vented		

Gathering	<b>System</b>	and	Pipeline	Notification

Com

30-025-

D-30-24S-

Fed.

Well(s) will be connected to a production facility after flowback operations are complete, if gas transporter system is in place. The gas produced from production facility is dedicated to <u>Versado</u>, and will be connected to <u>Eunice low/high</u> pressure gathering system located in <u>Lea</u> County, New Mexico. It will require <u>0' to an undetermined amount of feet</u> of pipeline to connect the facility to <u>low/high</u> pressure gathering system. <u>COG Operating LLC</u> provides (periodically) to <u>Versado</u> a drilling, completion and estimated first production date for wells that are scheduled to be drilled in the foreseeable future. In addition, <u>COG Operating LLC</u> and <u>Versado</u> have periodic conference calls to discuss changes to drilling and completion schedules. Gas from these wells will be processed at <u>Eunice</u> Processing Plant located in Sec 3, Twn 22S, Rng 37E, <u>Lea</u> County, New Mexico. The actual flow of the gas will be based on compression operating parameters and gathering system pressures.

210' FNL &

920' FWL

2,337

MCF

### Flowback Strategy

**Fascinator** 

#705H

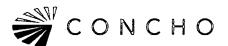
After the fracture treatment/completion operations, well(s) will be produced to temporary production tanks and gas will be flared or vented. During flowback, the fluids and sand content will be monitored. When the produced fluids contain minimal sand, the wells will be turned to production facilities. Gas sales should start as soon as the wells start flowing through the production facilities, unless there are operational issues on <u>Versado</u> system at that time. Based on current information, it is <u>COG Operating LLC's</u> belief the system can take this gas upon completion of the well(s).

Safety requirements during cleanout operations from the use of underbalanced air cleanout systems may necessitate that sand and non-pipeline quality gas be vented and/or flared rather than sold on a temporary basis.

# **Alternatives to Reduce Flaring**

Below are alternatives considered from a conceptual standpoint to reduce the amount of gas flared.

- Power Generation On lease
  - Only a portion of gas is consumed operating the generator, remainder of gas will be flared
- Compressed Natural Gas On lease
  - o Gas flared would be minimal, but might be uneconomical to operate when gas volume declines
- NGL Removal On lease
  - Plants are expensive, residue gas is still flared, and uneconomical to operate when gas volume declines



- Time of shut-in
- SIDPP and SICP
- Pit gain
- 8. If pressure has increased to or is anticipated to increase to 2500 psi, confirm spacing and close the upper pipe rams.
- 9. Prepare for well kill operation.

# **Running Casing**

- 1. Sound alarm (alert rig crew)
- 2. Stab crossover and valve and close the valve
- 3. Shut-in the well with annular with HCR and choke in closed position
- 4. Confirm shut-in
- 5. Notify contractor and company representatives
- 6. Read and record the following data
  - Time of shut-in
  - SIDPP and SICP
  - Pit gain
- 7. If pressure has increased to or is anticipated to increase to 2500 psi, confirm spacing and close the upper pipe rams.
- 8. Prepare for well kill operation

# No Pipe in Hole (Open Hole)

- 1. At any point when pipe or BHA are not in BOP stack, well will be shut in with blind rams, HCR will be open and choke will be closed. If pressure increase is observed:
- 2. Sound alarm (alert crew)
- 3. Confirm shut-in
- 4. Notify contractor and company representatives
- 5. Read and record the following data
  - Time of shut-in
  - Time of pressure increase
  - SICP
- 6. Prepare for well kill operation

# Pulling BHA through BOP Stack

- 1. Prior to pulling last joint/stand of drillpipe through the stack, perform a flow check. If well is flowing:
  - a. Sound alarm (alert crew)
  - b. Stab full opening safety valve and close the valve
  - c. Space out drill string with tooljoint just beneath the upper pipe ram.
  - d. Shut-in the well with upper pipe ram with HCR and choke in closed position
  - e. Confirm shut-in
  - f. Notify contractor and company representatives
  - g. Read and record the following data
    - Time of shut-in
    - SIDPP and SICP
    - Pit gain
  - h. Prepare for well kill operation.



# 2. With BHA in the stack:

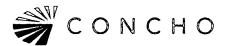
- a. If possible to pick up high enough, pull BHA clear of the stack
  - i. Follow "Open Hole" procedure above
- b. If impossible to pick up high enough to pull BHA clear of the stack:
  - i. Stab crossover, make up one joint/stand of drillpipe, and full opening safety valve and close
  - ii. Space out drill string with tool joint just beneath the upper pipe ram.
  - iii. Shut-in the well with upper pipe ram with HCR and choke in closed position
  - iv. Confirm shut-in
  - v. Notify contractor and company representatives
  - vi. Read and record the following:
    - Time of shut-in
    - SIDPP and SICP
    - Pit gain
  - vii. Prepare for well kill operation.

# 3. Well Control Drills

Well control drills are specific to the rig equipment, personnel and operation at the time a kick occurs. Each crew will execute one drill weekly relevant to ongoing operations, but will make a reasonable attempt to vary the type of drills. The drills will be recorded in the daily drilling log. Below are minimum tasks for respective well control drills.

# **Drilling/Pit:**

Action	Responsible Party
Initiate Drill  Lift Flow Sensor or Pit Float to indicate a kick  Immediately record start time	Company Representative / Rig Manager
Recognition      Driller and/or Crew recognizes indicator     Driller stop drilling, pick up off bottom and spaces out drill string, stop pumps and rotary     Conduct flow check	Driller
Initiate Action  • Sound alarm, notify rig crew that the well is flowing	Company Representative / Rig Manager
Reaction      Driller moves BOP remote and stands by     Crew is at their assigned stations     Time is stopped     Record time and drill type in the Drilling Report	Driller / Crew



# Tripping Pit Drills (either in the hole or out of the hole)

Action	Responsible Party						
Initiate Drill  Lift Flow Sensor or Pit Float to indicate a kick  Immediately record start time	Company Representative / Rig Manager						
Recognition	Driller						
Initiate Action  • Sound alarm, notify rig crew that the well is flowing	Company Representative / Rig Manager						
Reaction  Position tool joint above rotary and set slips Stab FOSV and close valve Driller moves to BOP remote and stands by Crew is at their assigned stations Time is stopped Record time and drill type in the Drilling Report	Driller / Crew						

# Choke

Action	Responsible Party					
<ul> <li>Have designated choke operator on station at the choke panel</li> <li>Close annular preventer</li> <li>Pressure annulus up 200-300 psi</li> <li>Pump slowly to bump the float and obtain SIDPP</li> <li>At choke operator instruction, slowly bring pumps online to slow pump rate while holding casing pressure constant at the SICP.</li> <li>Allow time for the well to stabilize. Mark and record circulating drillpipe pressure.</li> <li>Measure time lag on drillpipe gauge after choke adjustments.</li> <li>Hold casing pressure constant as pumps are slowed down while choke is closed.</li> <li>Record time and drill type in the Drilling Report</li> </ul>	Company Man / Rig Manager & Rig Crew					



U.S. Department of the Interior BUREAU OF LAND MANAGEMENT



APD ID: 10400028881

Operator Name: COG OPERATING LLC

Well Name: FASCINATOR FEDERAL COM

Well Type: OIL WELL

Submission Date: 03/28/2018

Well Number: 705H

Well Work Type: Drill

Highlighted data relicels the most rectiff changes

Show Final Text

# Section 1 - Existing Roads

Will existing roads be used? YES

**Existing Road Map:** 

COG\_FASCINATOR\_705H Exist\_Rd\_20180327113541.pdf

**Existing Road Purpose: ACCESS** 

Row(s) Exist? NO

ROW ID(s)

ID:

Do the existing roads need to be improved? NO

**Existing Road Improvement Description:** 

**Existing Road Improvement Attachment:** 

# **Section 2 - New or Reconstructed Access Roads**

Will new roads be needed? YES

**New Road Map:** 

COG\_FASCINATOR\_705H\_MapsPlats\_20180327113555.pdf

New road type: TWO-TRACK

Length: 260

Feet

Width (ft.): 30

Max slope (%): 33

Max grade (%): 1

Army Corp of Engineers (ACOE) permit required? NO

ACOE Permit Number(s):

New road travel width: 14

**New road access erosion control:** Water will be diverted where necessary to avoid ponding, prevent erosion, maintain good drainage, and to be consistent with local drainage patterns.

New road access plan or profile prepared? NO

New road access plan attachment:

Access road engineering design? NO

Access road engineering design attachment:

Well Name: FASCINATOR FEDERAL COM Well Number: 705H

Access surfacing type: OTHER

Access topsoil source: ONSITE

Access surfacing type description: Caliche

Access onsite topsoil source depth: 6

Offsite topsoil source description:

Onsite topsoil removal process: Blading

Access other construction information: No turnouts are planned. Re-routing access road around proposed well location.

Access miscellaneous information:

Number of access turnouts:

Access turnout map:

### **Drainage Control**

New road drainage crossing: OTHER

**Drainage Control comments:** None necessary.

Road Drainage Control Structures (DCS) description: None needed.

Road Drainage Control Structures (DCS) attachment:

#### **Access Additional Attachments**

Additional Attachment(s):

# **Section 3 - Location of Existing Wells**

**Existing Wells Map?** YES

Attach Well map:

COG FASCINATOR\_705H\_1Mile\_Data\_20180327113609.pdf

**Existing Wells description:** 

# Section 4 - Location of Existing and/or Proposed Production Facilities

Submit or defer a Proposed Production Facilities plan? DEFER

**Estimated Production Facilities description**: A Central Tank Battery and facilities will be permitted and constructed at a later date (Once an onsite is completed). The battery and facilities will be installed according to API specifications.

# Section 5 - Location and Types of Water Supply

#### **Water Source Table**

Well Name: FASCINATOR FEDERAL COM Well Number: 705H

Water source use type: INTERMEDIATE/PRODUCTION CASING

Water source type: OTHER

Describe type: Brine

Source latitude:

Source longitude:

Source datum:

Water source permit type: PRIVATE CONTRACT

Source land ownership: COMMERCIAL

Water source transport method: TRUCKING

Source transportation land ownership: COMMERCIAL

Water source volume (barrels): 30000

Source volume (gal): 1260000

Source volume (acre-feet): 3.866793

Water source use type: STIMULATION, SURFACE CASING

Water source type: OTHER

Describe type: Fresh Water

Source latitude:

Source longitude:

Source datum:

Water source permit type: PRIVATE CONTRACT

Source land ownership: PRIVATE

Water source transport method: PIPELINE

Source transportation land ownership: PRIVATE

Water source volume (barrels): 450000 Source volume (acre-feet): 58.001892

Source volume (gal): 18900000

# Water source and transportation map:

COG\_Fascinator\_705H\_BrineH2O\_20180327113707.pdf COG\_Fascinator\_705H\_FreshH2O\_20180327113719.pdf

Water source comments: Fresh water will be obtained from C-01414 RRR Cattle Company water well located in Section 10, T24S, R36E. Brine water will be obtained from the Malaga II Brine station located in Section 12. T23S. R28E. New water well? NO

#### **New Water Well Info**

Well latitude:

Well Longitude:

Well datum:

Well target aquifer:

Est. depth to top of aquifer(ft):

Est thickness of aquifer:

**Aquifer comments:** 

Aquifer documentation:

Well depth (ft):

Well casing type:

Well casing outside diameter (in.):

Well casing inside diameter (in.):

Well Name: FASCINATOR FEDERAL COM Well Number: 705H

New water well casing?

Used casing source:

**Drilling method:** 

**Drill material:** 

Grout material:

Grout depth:

Casing length (ft.):

Casing top depth (ft.):

**Well Production type:** 

**Completion Method:** 

Water well additional information:

State appropriation permit:

Additional information attachment:

#### Section 6 - Construction Materials

Construction Materials description: Caliche will be obtained from the actual well site if available. If not available onsite, caliche will be obtained from Bert Madera caliche pit located in Section 6. T25S. R35E. Phone 575-631-4444.

Construction Materials source location attachment:

# **Section 7 - Methods for Handling Waste**

Waste type: DRILLING

Waste content description: Drilling fluids and produced oil and water during drilling and completion operations

Amount of waste: 6000

barrels

Waste disposal frequency: One Time Only

Safe containment description: All drilling waste will be stored safely and disposed of properly

Safe containment attachment:

Waste disposal type: HAUL TO COMMERCIAL Disposal location ownership: COMMERCIAL

**FACILITY** 

Disposal type description:

Disposal location description: Trucked to an approved disposal facility

Waste type: SEWAGE

Waste content description: Human waste and gray water

Amount of waste: 250

gallons

Waste disposal frequency: Weekly

Safe containment description: Waste will be properly contained and disposed of properly at a state approved disposal

facility

Safe containment attachment:

Waste disposal type: HAUL TO COMMERCIAL Disposal location ownership: COMMERCIAL

**FACILITY** 

Disposal type description:

Disposal location description: Trucked to an approved disposal facility

Well Number: 705H Well Name: FASCINATOR FEDERAL COM

Waste type: GARBAGE

Waste content description: Garbage and trash produced during drilling and completion operations

Amount of waste: 125

pounds

Waste disposal frequency: Weekly

Safe containment description: Garbage and trash produced during drilling and completion operations will be collected in a

trash container and disposed of properly at a state approved disposal facility

Safe containment attachment:

Waste disposal type: HAUL TO COMMERCIAL

Disposal location ownership: COMMERCIAL

**FACILITY** 

Disposal type description:

Disposal location description: Trucked to an approved disposal facility

#### Reserve Pit

Reserve Pit being used? NO

Temporary disposal of produced water into reserve pit?

Reserve pit length (ft.)

Reserve pit width (ft.)

Reserve pit depth (ft.)

Reserve pit volume (cu. yd.)

is at least 50% of the reserve pit in cut?

Reserve pit liner

Reserve pit liner specifications and installation description

# **Cuttings Area**

**Cuttings Area being used? NO** 

Are you storing cuttings on location? YES

Description of cuttings location Roll off cuttings containers on tracks

Cuttings area length (ft.)

Cuttings area width (ft.)

Cuttings area depth (ft.)

Cuttings area volume (cu. yd.)

Is at least 50% of the cuttings area in cut?

WCuttings area liner

Cuttings area liner specifications and installation description

Well Name: FASCINATOR FEDERAL COM Well Number: 705H

# **Section 8 - Ancillary Facilities**

Are you requesting any Ancillary Facilities?: YES

**Ancillary Facilities attachment:** 

COG Fascinator 705H GCP 20180327113742.pdf

Comments: GCP Attached.

# Section 9 - Well Site Layout

#### Well Site Layout Diagram:

COG\_Fascinator\_705H\_Prod\_Facility\_20180327113757.pdf

Comments: A Central Tank Battery and facilities will be permitted and constructed at a later date (Once an onsite is completed). The battery and facilities will be installed according to API specifications.

### Section 10 - Plans for Surface Reclamation

Type of disturbance: New Surface Disturbance Multiple Well Pad Name: FASCINATOR FEDERAL COM

Multiple Well Pad Number: 603H, 704H AND 705H

#### Recontouring attachment:

Drainage/Erosion control construction: If needed, immediately following pad construction approximately 400' of straw waddles will be placed on the south side and 400' on the east side of the location to reduce sediment impacts to fragile/sensitive soils.

Drainage/Erosion control reclamation: South 80' West 80'

Well pad proposed disturbance

(acres): 3.67

Road proposed disturbance (acres):

0.09

Powerline proposed disturbance

(acres): 0

Pipeline proposed disturbance

(acres): 0

Other proposed disturbance (acres): 0

Total proposed disturbance: 3.76

Well pad interim reclamation (acres):

Powerline interim reclamation (acres):

Pipeline interim reclamation (acres): 0

Other interim reclamation (acres): 0

Total interim reclamation: 0.24

Well pad long term disturbance

(acres): 3.35

Road interim reclamation (acres): 0.09 Road long term disturbance (acres):

Powerline long term disturbance

(acres): 0

Pipeline long term disturbance

(acres): 0

Other long term disturbance (acres): 0

Total long term disturbance: 3.44

**Disturbance Comments:** 

Reconstruction method: New construction of pad.

Topsoil redistribution: South 80' West 80'

Soil treatment: None

Existing Vegetation at the well pad: Shinnery Oak/Mesquite grassland

**Existing Vegetation at the well pad attachment:** 

Operator Name: COG OPERATING LLC

Well Name: FASCINATOR FEDERAL COM

Well Number: 705H

Existing Vegetation Community at the road: Shinnery Oak/Mesquite grassland

**Existing Vegetation Community at the road attachment:** 

Existing Vegetation Community at the pipeline: Shinnery Oak/Mesquite grassland

**Existing Vegetation Community at the pipeline attachment:** 

Existing Vegetation Community at other disturbances: N/A

**Existing Vegetation Community at other disturbances attachment:** 

Non native seed used? NO

Non native seed description:

Seedling transplant description:

Will seedlings be transplanted for this project? NO

Seedling transplant description attachment:

Will seed be harvested for use in site reclamation? NO

Seed harvest description:

Seed harvest description attachment:

# **Seed Management**

**Seed Table** 

Seed type:

Seed source:

Seed name:

Source name:

Source address:

Source phone:

Seed cultivar:

Seed use location:

PLS pounds per acre:

Proposed seeding season:

Seed Summary
Seed Type Pounds/Acre

Total pounds/Acre:

Seed reclamation attachment:

**Operator Contact/Responsible Official Contact Info** 

**Operator Name: COG OPERATING LLC** Well Name: FASCINATOR FEDERAL COM Well Number: 705H Last Name: French First Name: Rand Phone: (432)254-5556 Email: rfrench@concho.com Seedbed prep: Seed BMP: Seed method: Existing invasive species? NO Existing invasive species treatment description: Existing invasive species treatment attachment: Weed treatment plan description: N/A Weed treatment plan attachment: Monitoring plan description: N/A Monitoring plan attachment: Success standards: N/A Pit closure description: N/A Pit closure attachment: COG\_Fascinator\_705H\_ClosedLoop\_20180327113855.pdf Section 11 - Surface Ownership Disturbance type: WELL PAD Describe: Surface Owner: STATE GOVERNMENT Other surface owner description: **BIA Local Office: BOR Local Office: COE Local Office: DOD Local Office: NPS Local Office:** Sate Leigh Winds STATE OF REW MEXICS.

**Military Local Office:** 

**USFWS Local Office:** 

Other Local Office:

**USFS Region:** 

**USFS Forest/Grassland:** 

**USFS Ranger District:** 

Well Name: FASCINATOR FEDERAL COM

Well Number: 705H

# **Section 12 - Other Information**

· Right of Way needed? NO

Use APD as ROW?

ROW Type(s):

**ROW Applications** 

**SUPO Additional Information:** 

Use a previously conducted onsite? YES

Previous Onsite information: Onsite completed on 11/9/2017 by Gerald Herrera (COG) and Jeff Robertson (BLM).

**Other SUPO Attachment** 

COG\_Fascinator\_705H\_Certification\_20180327113909.pdf

Surface Use Plan COG Operating LLC Fascinator Federal Com 705H SHL: 210' FNL & 920' FWL

Section 30, T24S, R35E BHL: 200' FSL & 710' FWL UL D

Section 31, T24S, R35E Lea County, New Mexico

#### **OPERATOR CERTIFICATION**

I hereby certify that I, or persons under my direct supervision, have inspected the drill site and access road proposed herein; that I am familiar with the conditions that presently exist; that I have full knowledge of State and Federal laws applicable to this operation; that the statements made in this APD package are, to the best of my knowledge, true and correct; and that the work associated with the operations proposed herein will be performed in conformity with this APD package and the terms and conditions under which it is approved. I also certify that I, or COG Operating LLC, am responsible for the operations conducted under this application. These statements are subject to the provisions of 18 U.S.C. 1001 for the filing of false statements. Executed this 12<sup>th</sup> day of 1600 and 1600 are 2018.

Signed:

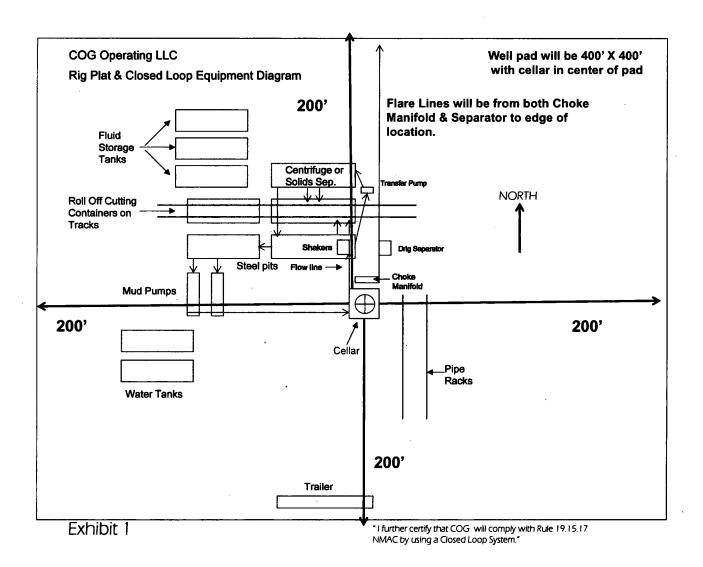
Printed Name: Mayte Reyes

Position: Regulatory Analyst

Address: 2208 W. Main Street, Artesia, NM 88210

Telephone: (575) 748-6945 E-mail: <u>mreyes1@concho.com</u>

Field Representative (if not above signatory): Rand French Telephone: (575) 748-6940. E-mail: rfrench@concho.com





U.S. Department of the Interior BUREAU OF LAND MANAGEMENT



# **Section 1 - General**

Would you like to address long-term produced water disposal? NO

# **Section 2 - Lined Pits**

Would you like to utilize Lined Pit PWD options? NO

**Produced Water Disposal (PWD) Location:** 

PWD surface owner:

Lined pit PWD on or off channel:

Lined pit PWD discharge volume (bbl/day):

Lined pit specifications:

Pit liner description:

Pit liner manufacturers information:

Precipitated solids disposal:

Decribe precipitated solids disposal:

Precipitated solids disposal permit:

Lined pit precipitated solids disposal schedule:

Lined pit precipitated solids disposal schedule attachment:

Lined pit reclamation description:

Lined pit reclamation attachment:

Leak detection system description:

Leak detection system attachment:

Lined pit Monitor description:

Lined pit Monitor attachment:

Lined pit: do you have a reclamation bond for the pit?

Is the reclamation bond a rider under the BLM bond?

Lined pit bond number:

Lined pit bond amount:

Additional bond information attachment:

PWD disturbance (acres):

# Section 3 - Unlined Pits

Would you like to utilize Unlined Pit PWD options? NO **Produced Water Disposal (PWD) Location:** PWD surface owner: PWD disturbance (acres): Unlined pit PWD on or off channel: Unlined pit PWD discharge volume (bbl/day): Unlined pit specifications: Precipitated solids disposal: Decribe precipitated solids disposal: Precipitated solids disposal permit: Unlined pit precipitated solids disposal schedule: Unlined pit precipitated solids disposal schedule attachment: Unlined pit reclamation description: Unlined pit reclamation attachment: Unlined pit Monitor description: **Unlined pit Monitor attachment:** Do you propose to put the produced water to beneficial use? Beneficial use user confirmation: Estimated depth of the shallowest aquifer (feet): Does the produced water have an annual average Total Dissolved Solids (TDS) concentration equal to or less than that of the existing water to be protected? TDS lab results: Geologic and hydrologic evidence: State authorization: **Unlined Produced Water Pit Estimated percolation:** Unlined pit: do you have a reclamation bond for the pit? Is the reclamation bond a rider under the BLM bond? Unlined pit bond number: Unlined pit bond amount:

Section 4 - Injection

Would you like to utilize Injection PWD options? NO

Produced Water Disposal (PWD) Location:

Additional bond information attachment:

PWD surface owner:

PWD disturbance (acres):

Injection PWD discharge volume (bbl/day):

Injection well mineral owner:

Injection well type:	
Injection well number:	Injection well name:
Assigned injection well API number?	Injection well API number:
Injection well new surface disturbance (acres):	
Minerals protection information:	
Mineral protection attachment:	
Underground Injection Control (UIC) Permit?	
UIC Permit attachment:	•
Section 5 - Surface Discharge	
Would you like to utilize Surface Discharge PWD options? NO	
Produced Water Disposal (PWD) Location:	
PWD surface owner:	PWD disturbance (acres):
Surface discharge PWD discharge volume (bbl/day):	
Surface Discharge NPDES Permit?	•
Surface Discharge NPDES Permit attachment:	
Surface Discharge site facilities information:	
Surface discharge site facilities map:	
Section 6 - Other	
Would you like to utilize Other PWD options? NO	
Produced Water Disposal (PWD) Location:	
PWD surface owner:	PWD disturbance (acres):
Other PWD discharge volume (bbl/day):	
Other PWD type description:	
Other PWD type attachment:	
Have other regulatory requirements been met?	
Other regulatory requirements attachment:	



U.S. Department of the Interior BUREAU OF LAND MANAGEMENT

# Bond Info Data Report

# **Bond Information**

Federal/Indian APD: FED

**BLM Bond number: NMB000215** 

**BIA Bond number:** 

Do you have a reclamation bond? NO

Is the reclamation bond a rider under the BLM bond?

Is the reclamation bond BLM or Forest Service?

**BLM** reclamation bond number:

Forest Service reclamation bond number:

Forest Service reclamation bond attachment:

Reclamation bond number:

**Reclamation bond amount:** 

Reclamation bond rider amount:

Additional reclamation bond information attachment:

Weil Name: FASCINATOR FEDERAL COM

Well Number: 705H

			-						·									
	NS-Foot	NS Indicator	EW-Foot	EW Indicator	Twsp	Range	Section	Aliquot/Lot/Tract	Latitude	Longitude	County	State	Meridian	Lease Type	Lease Number	Elevation	MD	TVD
PPP Leg #1	330	FNL	710	FWL	24S	35E	30	Aliquot NWN W	32.19484 2	- 103.4128 67	LEA	NEW MEXI CO	NEW MEXI CO	S	STATE	- 929 3	129 00	126 64
PPP Leg #1	0	FNL	710	FWL	248	35E	31	Aliquot NWN W	32.18098 5	- 103.4128 32	LEA	NEW MEXI CO	NEW MEXI CO	F	NMNM 014164	- 935 7	175 00	127 28
PPP Leg #1	264 0	FSL	710	FWL	248	35E	31	Aliquot NWS W	32.17395 2	- 103.4128 16	LEA	NEW MEXI CO	NEW MEXI CO	F	FEE	- 939 0	202 00	127 61
PPP Leg #1	132 0	FNL	710	FWL	248	35E	31	Aliquot SWN W	32.17746 8	- 103.4128 24	LEA	NEW MEXI CO	NEW MEXI CO	F	NMNM 132947	- 937 4	189 00	127 45
EXIT Leg #1	330	FSL	710	FWL	24S	35E	31	Aliquot SWS W	32.16763 1	- 103.4128 03	LEA	NEW MEXI CO	NEW MEXI CO	F	NMNM 132947	- 941 8	225 00	127 89
BHL Leg #1	200	FSL	710	FWL	24S	35E	31	Aliquot SWS W	32.16727 4	- 103.4127 99	LEA	NEW MEXI CO	NEW MEXI CO	F	NMNM 132947	- 941 9	227 48	127 90