

HOBBS OCD

16-645

OCD Hobbs  
MAY 09 2016

FORM APPROVED  
OMB No. 1004-0137  
Expires October 31, 2014

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

RECEIVED

APPLICATION FOR PERMIT TO DRILL OR REENTER

1a. Type of work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER		7. If Unit or CA Agreement, Name and No.	
1b. Type of Well: <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other <input checked="" type="checkbox"/> Single Zone <input type="checkbox"/> Multiple Zone		8. Lease Name and Well No. Endurance 36 State Com 705H	
2. Name of Operator EOG Resources, Inc (7377) 1		9. API Well No. 30-025-43227	
3a. Address P.O. Box 2267 Midland, TX 79702	3b. Phone No. (include area code) 432-686-3689	10. Field and Pool, or Exploratory WC-025 G-09 S263327G; Upper WC	
4. Location of Well (Report location clearly and in accordance with any State requirements. *) At surface 404' FSL & 2320' FWL, SENW (F), Sec 36, 26S, 33E At proposed prod. zone 230' FNL & 1652' FWL, NENW (C), Sec 25		11. Sec., T. R. M. or Blk. and Survey or Area Section 36, T26S, R33E	
14. Distance in miles and direction from nearest town or post office* Approximately +/- 27 miles Southwest from Jal, New Mexico		12. County or Parish Lea	13. State NM
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) 230', 330' PP	16. No. of acres in lease 1640 Fed, 303.52 St.	17. Spacing Unit dedicated to this well 236.50 ac.	
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. 662' from 706H	19. Proposed Depth 19829' MD, 12530' TVD	20. BLM/BIA Bond No. on file NM 2308	
21. Elevations (Show whether DF, KDB, RT, GL, etc.) 3337' GL	22. Approximate date work will start* 06/01/2016	23. Estimated duration 25 days	

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No.1, must be attached to this form:

- |  |   |
|--|---|
| 1. Well plat certified by a registered surveyor.   | 4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above). |
| 2. A Drilling Plan.  | 5. Operator certification   |
| 3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO must be filed with the appropriate Forest Service Office). | 6. Such other site specific information and/or plans as may be required by the BLM.             |

25. Signature <i>Stan Wagner</i>	Name (Printed/Typed) Stan Wagner	Date 3/2/16
Title Regulatory Specialist		
Approved by (Signature) <i>/s/George MacDonell</i>	Name (Printed/Typed)	Date MAY - 4 2016
Title FIELD MANAGER	Office CARLSBAD FIELD OFFICE	

Application 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 applicant to conduct operations thereon.  
Conditions of approval, if any, are attached.

APPROVAL FOR TWO YEARS

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.

(Continued on page 2)

Carlsbad Controlled Water Basin

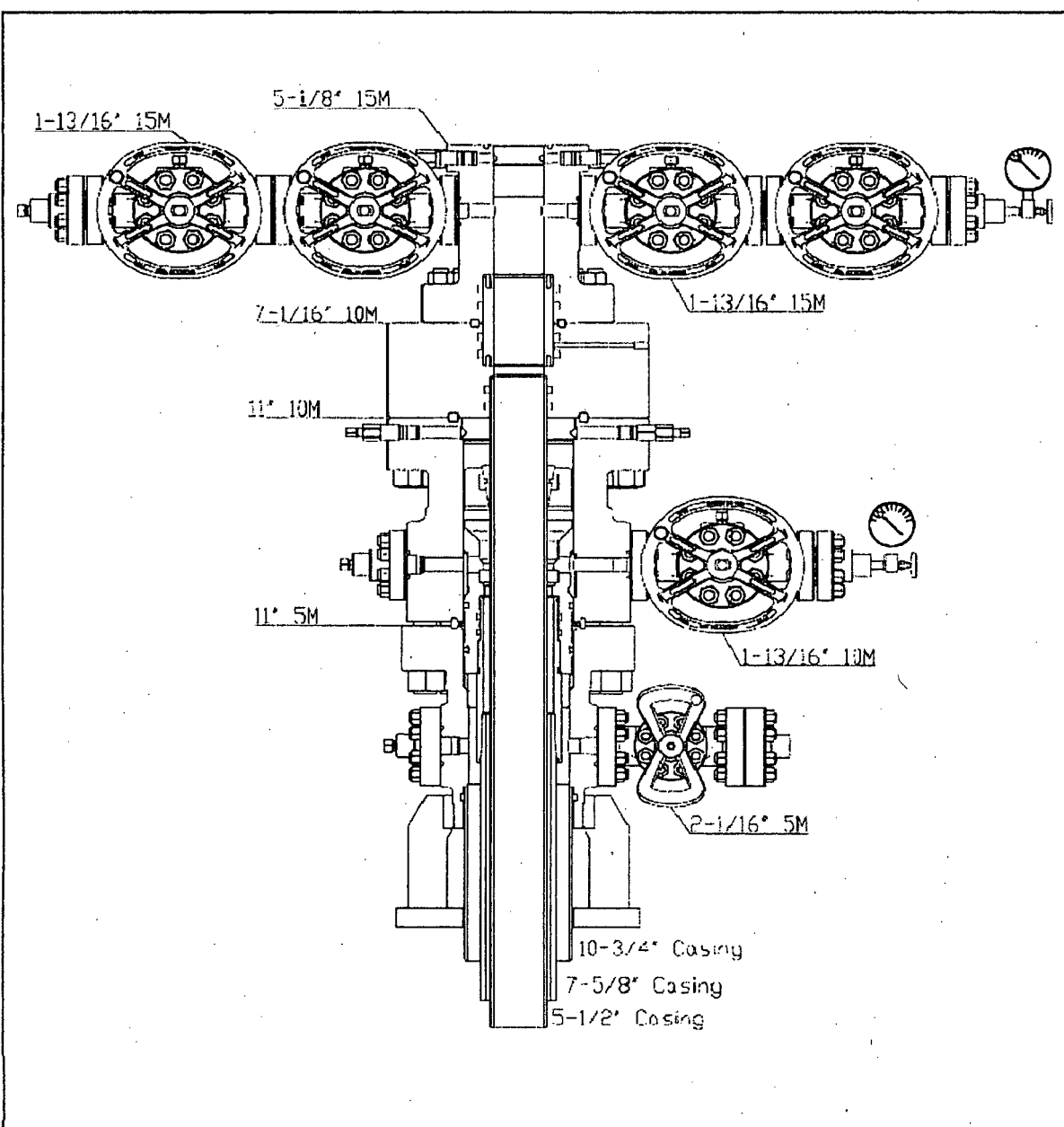
See attached NMOCD  
Conditions of Approval


Approval Subject to General Requirements  
& Special Stipulations Attached

SEE ATTACHED FOR  
CONDITIONS OF APPROVAL

MAY 12 2016

EC



<b>EDG RESORCES</b> 10-3/4" X 7-5/8" X 5-1/2" FBD-100 WELLHEAD SYSTEM QUOTE # - 86366	DWN	RAY	7/9/15	 Worldwide Expertise - Global Strength	DRAWING NO WH-15315
	CHK				
	APP				
		BY	DATE		

# PERFORMANCE DATA

TMK UP ULTRA™ FJ      7.625 in      29.70 lbs/ft      P110 HC - EVRAZ  
 Technical Data Sheet

## Tubular Parameters

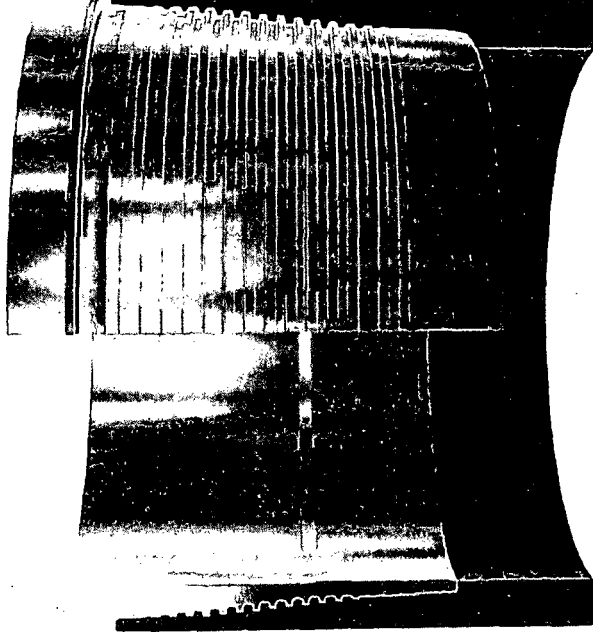
Size	7.625	in	Minimum Yield	110,000	psi
Nominal Weight	29.70	lbs/ft	Minimum Tensile	125,000	psi
Grade	P110 HC - EVRAZ				
PE Weight	29.04	lbs/ft	Yield Load	939,000	lbs
Wall Thickness	0.375	in	Tensile Load	1,067,000	lbs
Nominal ID	6.875	in	Min. Internal Yield Pressure	9,420	psi
Drift Diameter	6.750	in	Collapse Pressure	7,610	psi
Nom. Pipe Body Area	8.541	in <sup>2</sup>			

## Connection Parameters

Connection OD	7.625	in
Connection ID	6.881	in
Make-Up Loss	4.022	in
Critical Section Area	5.316	in <sup>2</sup>
Tension Efficiency	62.2	%
Compression Efficiency	62.2	%
Yield Load in Tension	584,000	lbs
Min. Internal Yield Pressure	9,470	psi
Collapse Pressure	7,610	psi
Uniaxial Bending	41	% / 100 ft

## Make-Up Torques

Min. Make-Up Torque	17,700	ft-lbs
Opt. Make-Up Torque	19,700	ft-lbs
Max. Make-Up Torque	21,700	ft-lbs
Yield Torque	31,500	ft-lbs



# PREMIUM CONNECTIONS PERFORMANCE DATA

Size  NomWt  Grade

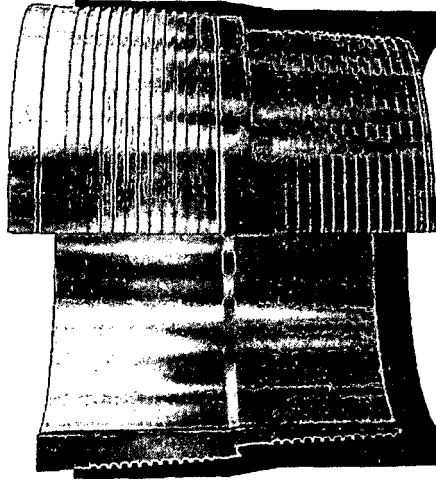
TMK UP ULTRA™  
SFII  
5.500in 23.0lbs/ft P-110 HC

## Technical Data Sheet

Tubular Parameters				Minimum Yield			
Size	5.500	in	lbs/ft	Minimum Yield	110,000	psi	psi
Nominal Weight	23.0			Yield Load	125,000	psi	psi
Grade	P-110 HC			Tensile Load	828,000	lbs	lbs
PE Weight	22.54			Min. Internal Yield Pressure	14,500	psi	psi
Wall Thickness	0.415			Collapse Pressure	15,110	psi	psi
Nominal ID	4.670						
Drift Diameter	4.545						
Nom. Pipe Body Area	6.630						

Connection Parameters			
Connection OD	5.726	in	
Connection ID	4.626	in	
Make - Up Loss	5.653	in	
Critical Section Area	5.817	in²	
Efficiency - Tension	85%	%	
Efficiency - Compression	73%	%	
Yield Load in Tension	621,000	lbs	
Min. Internal Yield Pressure	14,500	psi	
Collapse Pressure	15,110	psi	
Uniaxial Bending	78	% / 100 ft	

Make-Up Torques			
Min. Make-Up Torque	15,500	ft-lbs	
Optimum Make-Up Torque	16,300	ft-lbs	
Max. Make-Up Torque	18,700	ft-lbs	
Yield Torque	24,800	ft-lbs	



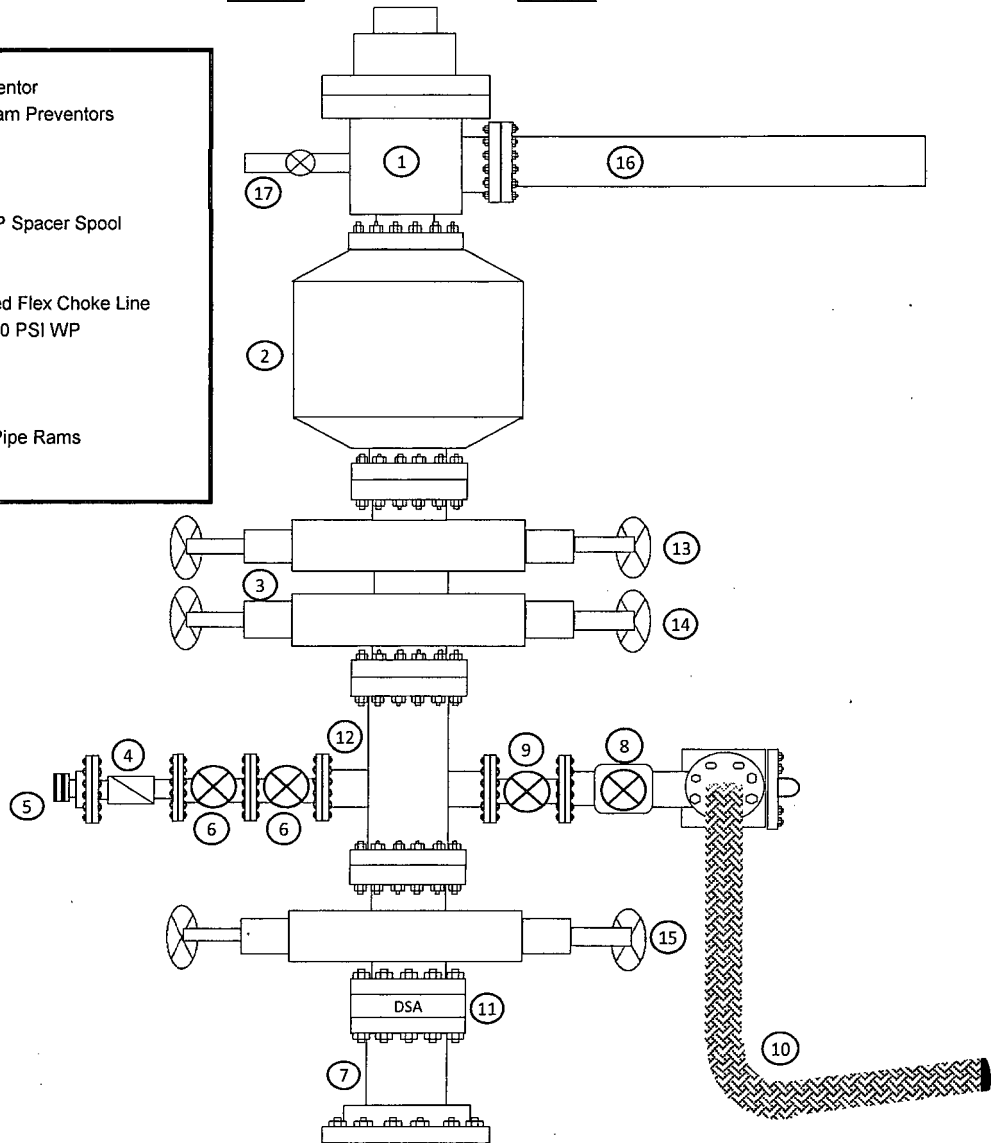
# Exhibit 1

## EOG Resources

### 10M BOPE

Rig Floor

1. 13 5/8" Rotating Head
2. NOV 13 5/8" 5,000 PSI WP GK Annular Preventor
3. 13 5/8" Cameron Type "U" 10,000 PSI WP Ram Preventors
4. 2 1/16" - 10,000 PSI WP Check Valve
5. 10,000 PSI WP - 1502 Union to kill line
6. 2 1/16" - 10,000 PSI WP Manual Valves
7. 13 5/8" 3,000 PSI WP x 13 5/8" 5,000 PSI WP Spacer Spool
8. 4 1/16" 10,000 PSI WP HCR Valve
9. 4 1/16" 10,000 PSI WP Manual Valve
10. 6" OD x 3" ID 10,000 PSI WP Steel Armoured Flex Choke Line
11. DSA - 13 5/8" 10,000 PSI WP x 13 5/8" 5,000 PSI WP
12. Mud Cross - 13 5/8" 10,000 PSI WP
13. Blind Rams
14. Pipe Rams
15. 13 5/8" Cameron Type "U" 10,000 PSI WP Pipe Rams
16. Flow Line
17. 2" Fill Line

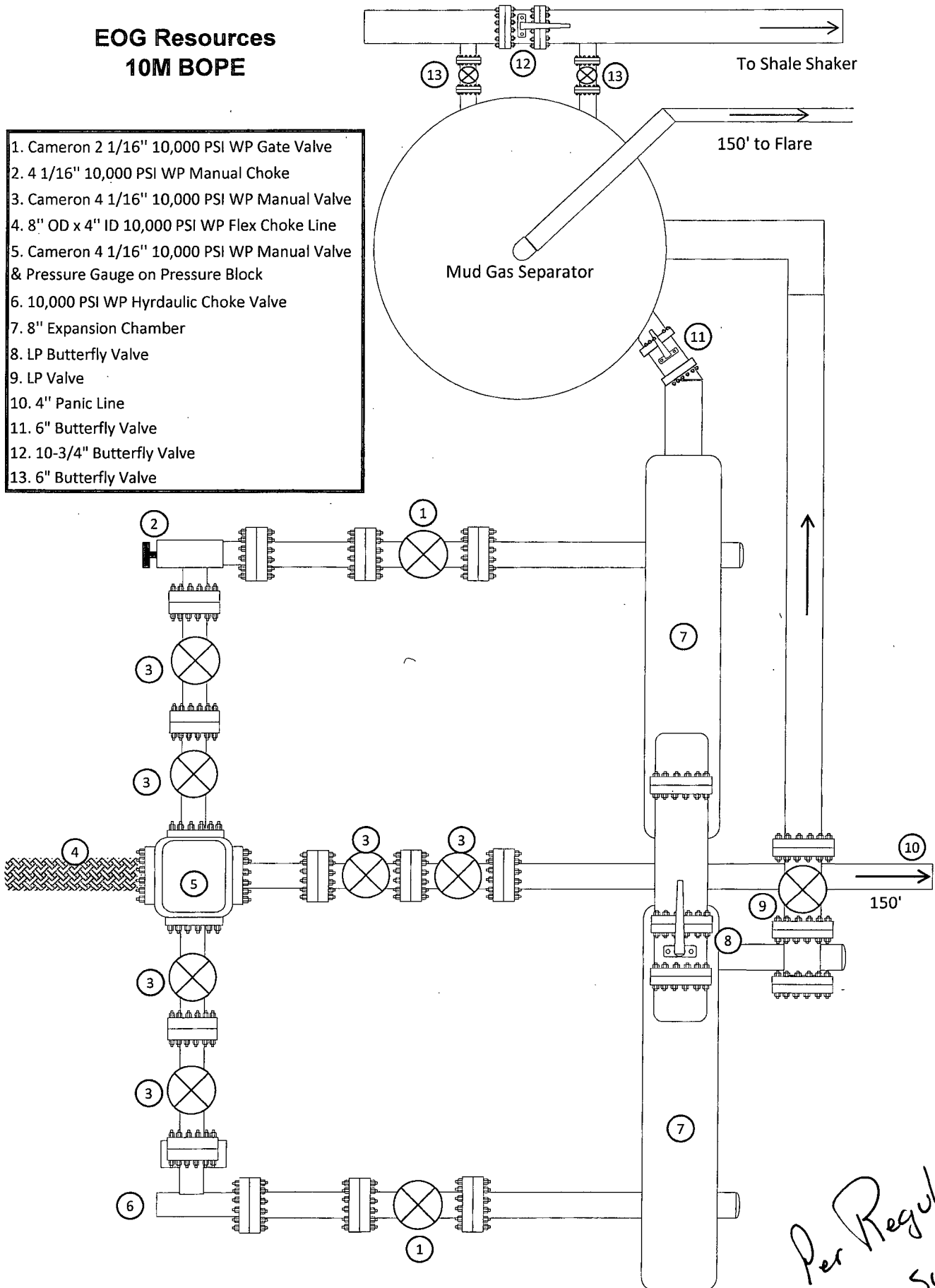


*Per Regulations  
5M System*

# Exhibit 1a

## EOG Resources 10M BOPE

1. Cameron 2 1/16" 10,000 PSI WP Gate Valve
2. 4 1/16" 10,000 PSI WP Manual Choke
3. Cameron 4 1/16" 10,000 PSI WP Manual Valve
4. 8" OD x 4" ID 10,000 PSI WP Flex Choke Line
5. Cameron 4 1/16" 10,000 PSI WP Manual Valve & Pressure Gauge on Pressure Block
6. 10,000 PSI WP Hydraulic Choke Valve
7. 8" Expansion Chamber
8. LP Butterfly Valve
9. LP Valve
10. 4" Panic Line
11. 6" Butterfly Valve
12. 10-3/4" Butterfly Valve
13. 6" Butterfly Valve



**Manufacturer: Midwest Hose & Specialty**

**Serial Number: SN#90067**

**Length: 35'**

**Size: OD = 8" ID = 4"**

**Ends: Flanges Size: 4-1/16"**

**WP Rating: 10,000 psi    Anchors required by manufacturer: No**

**M I D W E S T**  
**HOSE AND SPECIALTY INC.**

<b>INTERNAL HYDROSTATIC TEST REPORT</b>			
<b>Customer:</b> CACTUS		<b>P.O. Number:</b> RIG #123 Asset # M10761	
<b>HOSE SPECIFICATIONS</b>			
<b>Type:</b> CHOK LINE		<b>Length:</b> 35'	
<b>I.D.</b> 4" INCHES		<b>O.D.</b> 8" INCHES	
<b>WORKING PRESSURE</b> 10,000 PSI	<b>TEST PRESSURE</b> 15,000 PSI	<b>BURST PRESSURE</b> PSI	
<b>COUPLINGS</b>			
<b>Type of End Fitting</b> 4 1/16 10K FLANGE			
<b>Type of Coupling:</b> SWEDGED		<b>MANUFACTURED BY</b> MIDWEST HOSE & SPECIALTY	
<b>PROCEDURE</b>			
<i>Hose assembly pressure tested with water at ambient temperature.</i>			
<b>TIME HELD AT TEST PRESSURE</b> 1 MIN.		<b>ACTUAL BURST PRESSURE:</b> 0 PSI	
<b>COMMENTS:</b> SN#90067 M10761 Hose is covered with stainless steel armour cover and wrapped with fire resistant vermiculite coated fiberglass insulation rated for 1500 degrees complete with lifting eyes			
<b>Date:</b> 6/6/2011	<b>Tested By:</b> BOBBY FINK		<b>Approved:</b> MENDI JACKSON





Midwest Hose  
& Specialty, Inc.

## Internal Hydrostatic Test Graph

Customer: CACTUS

SALES ORDER# 90067

Midwest Hose  
& Specialty, Inc.

### Hose Specifications

Hose Type

C & K

I.D.

4"

Length

35'

O.D.

8"

### Verification

Type of Fitting

4 1/16 10K

Die Size

6.62"

Coupling Method

Swage

Final O.D.

6.68"

Working Pressure

10000 PSI

Burst Pressure

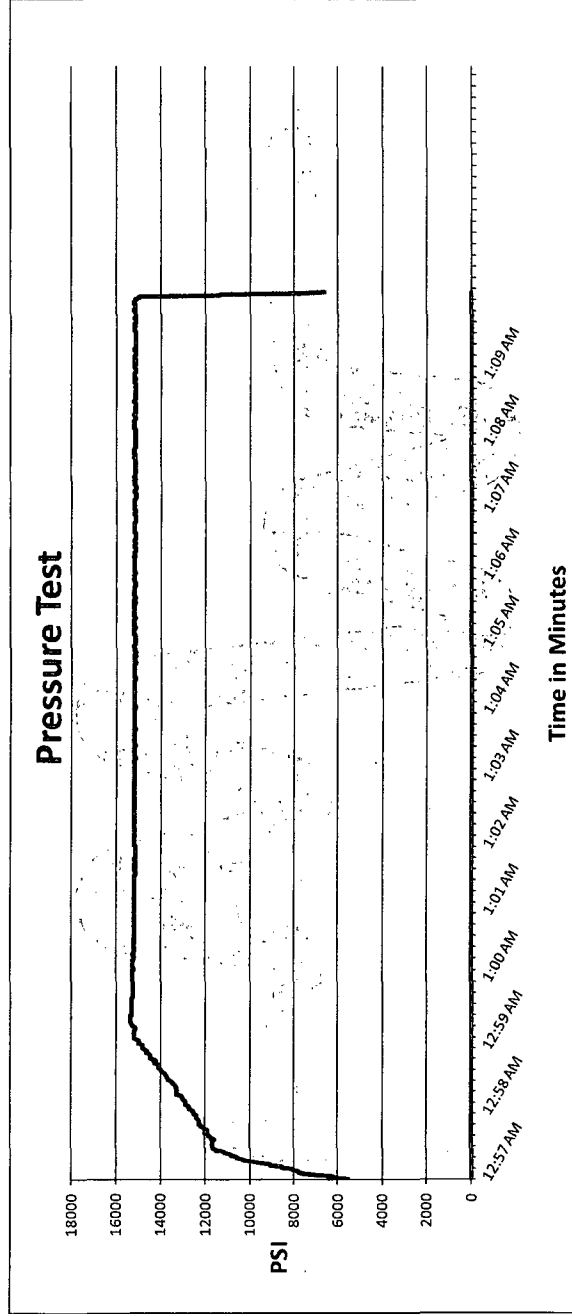
Standard Safety Multiplier Applies

Hose Serial #

90067

Hose Assembly Serial #

90067



Test Pressure

15000 PSI

Time Held at Test Pressure

11 1/4 Minutes

Actual Burst Pressure

Peak Pressure

15439 PSI

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

Tested By: Bobby Fink

Approved By: Mendi Jackson

Mendi Jackson

Exhibit 4

EOG Resources

Endurance 36 State Com #705H

Well Site Diagram

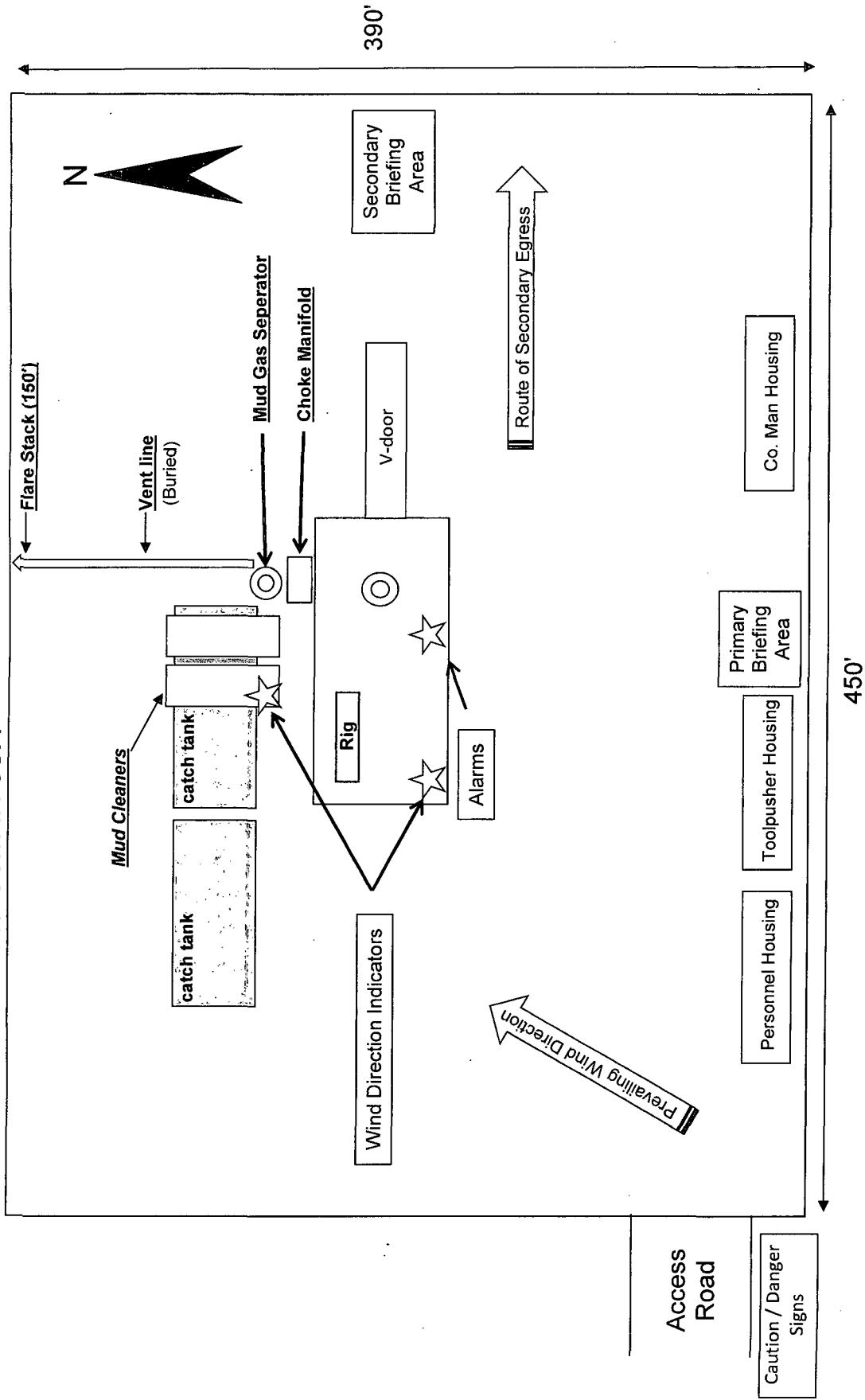


Exhibit 4 (A) Option

EOG Resources

Endurance 36 State Com #705H

# Well Site Diagram

