

HOBBS OCD

FORM APPROVED
OMB No. 1004-0137
Expires October 31, 2014UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FEB 29 2016

RECEIVED

APPLICATION FOR PERMIT TO DRILL OR REENTER

1a. Type of work: ☒ DRILL ☐ REENTER		5. Lease Serial No. NMNM02965A	
1b. Type of Well: ☒ Oil Well ☐ Gas Well ☐ Other ☒ Single Zone ☐ Multiple Zone		6. If Indian, Allottee or Tribe Name	
2. Name of Operator EOG Resources, Inc (7377)		7. If Unit or CA Agreement, Name and No.	
3a. Address P.O. Box 2267 Midland, TX 79702		8. Lease Name and Well No. Thor 21 Fed Com 708H 315282	
3b. Phone No. (include area code) 432-686-3689		9. API Well No. 30-025- 43091	
4. Location of Well (Report location clearly and in accordance with any State requirements. *) At surface 370' FSL & 1669' FEL, SWSE (O), Sec 21, 26S, 33E At proposed prod. zone 230' FNL & 1993' FEL, NWNE (B), Sec 21		10. Field and Pool, or Exploratory (98097) WC-025 G-09 S263327G; Upper WC	
11. Sec., T. R. M. or Blk. and Survey or Area Section 21, T26S, R33E		12. County or Parish Lea	
13. State NM		14. Distance in miles and direction from nearest town or post office* Approximately +/- 23 miles Southwest from Jal, New Mexico	
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 2174.12	
17. Spacing Unit dedicated to this well 160.00 ac.		18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. 633' from 707H	
19. Proposed Depth 17231' MD, 12415' TVD		20. BLM/BIA Bond No. on file NM 2308	
21. Elevations (Show whether DF, KDB, RT, GL, etc.) 3261' GL		22. Approximate date work will start* 09/01/2016	
23. Estimated duration 25 days		24. Attachments	

NORTHODOX
LOCATION

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 1/6/16
Title Regulatory Specialist		
Approved by (Signature) /s/George MacDonelli	Name (Printed/Typed)	FEB 19 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)

*(Instructions on page 2)

Carlsbad Controlled Water Basin

K2
03/01/16Approval Subject to General Requirements
& Special Stipulations AttachedSEE ATTACHED FOR
CONDITIONS OF APPROVAL

EOG RESOURCES, INC.
THOR 21 FED COM NO. 708H

1. GEOLOGIC NAME OF SURFACE FORMATION:

Permian

2. ESTIMATED TOPS OF IMPORTANT GEOLOGICAL MARKERS:

Rustler	828'
Top of Salt	1,182'
Base of Salt / Top Anhydrite	4,721'
Base Anhydrite	4,954'
Lamar	4,954'
Bell Canyon	4,980'
Cherry Canyon	5,950'
Brushy Canyon	7,712'
Bone Spring Lime	9,200'
1 st Bone Spring Sand	10,070'
2 nd Bone Spring Lime	10,586'
2 nd Bone Spring Sand	10,664'
3 rd Bone Spring Carb	11,000'
3 rd Bone Spring Sand	11,770'
Wolfcamp	12,190'
TD	12,415'

3. ESTIMATED DEPTHS OF ANTICIPATED FRESH WATER, OIL OR GAS:

Upper Permian Sands	0- 400'	Fresh Water
Cherry Canyon	5,950'	Oil
Brushy Canyon	7,712'	Oil
Bone Spring Lime	9,200'	Oil
1 st Bone Spring Sand	10,070'	Oil
2 nd Bone Spring Lime	10,586'	Oil
2 nd Bone Spring Sand	10,664'	Oil
3 rd Bone Spring Carb	11,000'	Oil
3 rd Bone Spring Sand	11,770'	Oil
Wolfcamp	12,190'	Oil

No other Formations are expected to give up oil, gas or fresh water in measurable quantities. Surface fresh water sands will be protected by setting 13.375" casing at 850' and circulating cement back to surface.

EOG RESOURCES, INC.
THOR 21 FED COM NO. 708H

4. CASING PROGRAM - NEW

See COA

Hole Size	Interval	Csg OD	Weight	Grade	Conn	DF _{min} Collapse	DF _{min} Burst	DF _{min} Tension
17.5"	0 - 850 ⁸⁸⁰	13.375"	54.5#	J55	STC	1.125	1.25	1.60
12.25"	0 - 4,000 ⁴⁹⁰⁰	9.625"	40#	J55	LTC	1.125	1.25	1.60
12.25"	4,000' - 5,000'	9.625"	40#	HCK55	LTC	1.125	1.25	1.60
8.75"	0' - 17,231'	5.5"	17#	HCP-110	BTC	1.125	1.25	1.60

Cementing Program:

Depth	No. Sacks	Wt. ppg	Yld Ft ³ /ft	Mix Water Gal/sk	Slurry Description
13-3/8" 850 880	500	13.5	1.73	9.13	Class C + 4.0% Bentonite + 0.6% CD-32 + 0.5% CaCl ₂ + 0.25 lb/sk Cello-Flake (TOC @ Surface)
	300	14.8	1.34	6.34	Class C + 0.6% FL-62 + 0.25 lb/sk Cello-Flake + 0.2% Sodium Metasilicate
9-5/8" 5,000 4900	1000	12.7	2.22	12.38	Lead: Class 'C' + 1.50% R-3 + 0.25 lb/sk Cello-Flake + 2.0% Sodium Metasilicate + 10% Salt + 0.005 lb/sk Static Free (TOC @ surface)
	200	14.8	1.32	6.33	Tail: Class 'C' + 0.25 lb/sk Cello Flake + 0.005 lb/sk Static Free
5-1/2" 17,231'	775	9.0	2.79	10.12	Lead: LiteCRETE + 0.10% D-065 + 0.20% D-046 + 0.40% D-167 + 0.20% D-198 + 0.04% D-208 + 2.0% D-174 (TOC @ 4,500')
	2100	14.4	1.28	5.69	Tail: Class H + 47.01 pps D-909 + 37.01 pps + 5.0% D-020 + 0.30% D-013 + 0.20% D-046 + 0.10% D-065 + 0.50% D-167 + 2.0% D-174

Note: Cement volumes based on bit size plus at least 25% excess in the open hole plus 10% excess in the cased-hole overlap section.

5. MINIMUM SPECIFICATIONS FOR PRESSURE CONTROL:

Variance is requested to use a co-flex line between the BOP and choke manifold (instead of using a 4" OD steel line).

The minimum blowout preventer equipment (BOPE) shown in Exhibit #1 will consist of a single ram, mud cross and double ram-type (10,000 psi WP) preventer and an annular preventer (5000-psi WP). Both units will be hydraulically operated and the ram-type will be equipped with blind rams on bottom and drill pipe rams on top. All BOPE will be tested in accordance with Onshore Oil & Gas order No. 2.

EOG RESOURCES, INC.
THOR 21 FED COM NO. 708H

Before drilling out of the surface casing, the ram-type BOP and accessory equipment will be tested to 5000/ 250 psig and the annular preventer to 5000/ 250 psig. The surface casing will be tested to 1500 psi for 30 minutes.

Before drilling out of the intermediate casing, the ram-type BOP and accessory equipment will be tested to 5000/ 250 psig and the annular preventer to 5000/ 250 psig. The intermediate casing will be tested to 2000 psi for 30 minutes.

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.

A hydraulically operated choke will be installed prior to drilling out of the intermediate casing shoe.

6. TYPES AND CHARACTERISTICS OF THE PROPOSED MUD SYSTEM:

During this procedure we plan to use a Closed-Loop System and haul contents to the required disposal.

The applicable depths and properties of the drilling fluid systems are as follows.

Depth	Type	Weight (ppg)	Viscosity	Water Loss
0 - 850' ^{880'}	Fresh - Gel	8.6-8.8	28-34	N/c
850' - 5,000' ^{4900'}	Oil Base	8.7-9.4	58-68	N/c - 6
5,000' - 11,930'	Oil Base	8.7-9.4	58-68	N/c - 6
11,930' - 17,231' Lateral	Oil Base	10.0-10.5	58-68	N/c - 6

An electronic pit volume totalizer (PVT) will be utilized on the circulating system, to monitor pit volume, flow rate, pump pressure and stroke rate.

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

7. AUXILIARY WELL CONTROL AND MONITORING EQUIPMENT:

- (A) A kelly cock will be kept in the drill string at all times.
- (B) A full opening drill pipe-stabbing valve (inside BOP) with proper drill pipe connections will be on the rig floor at all times.
- (C) H₂S monitoring and detection equipment will be utilized from surface casing point to TD.

EOG RESOURCES, INC.
THOR 21 FED COM NO. 708H

8. LOGGING, TESTING AND CORING PROGRAM:

See COA

Open-hole logs are not planned for this well.

GR-CCL Will be run in cased hole during completions phase of operations.

9. ABNORMAL CONDITIONS, PRESSURES, TEMPERATURES AND POTENTIAL HAZARDS:

See COA

The estimated bottom-hole temperature (BHT) at TD is 180 degrees F with an estimated maximum bottom-hole pressure (BHP) at TD of 5375 psig. No hydrogen sulfide or other hazardous gases or fluids have been encountered, reported or are known to exist at this depth in this area. No major loss circulation zones have been reported in offsetting wells.

10. ANTICIPATED STARTING DATE AND DURATION OF OPERATIONS:

The drilling operation should be finished in approximately one month. If the well is productive, an additional 60-90 days will be required for completion and testing before a decision is made to install permanent facilities.

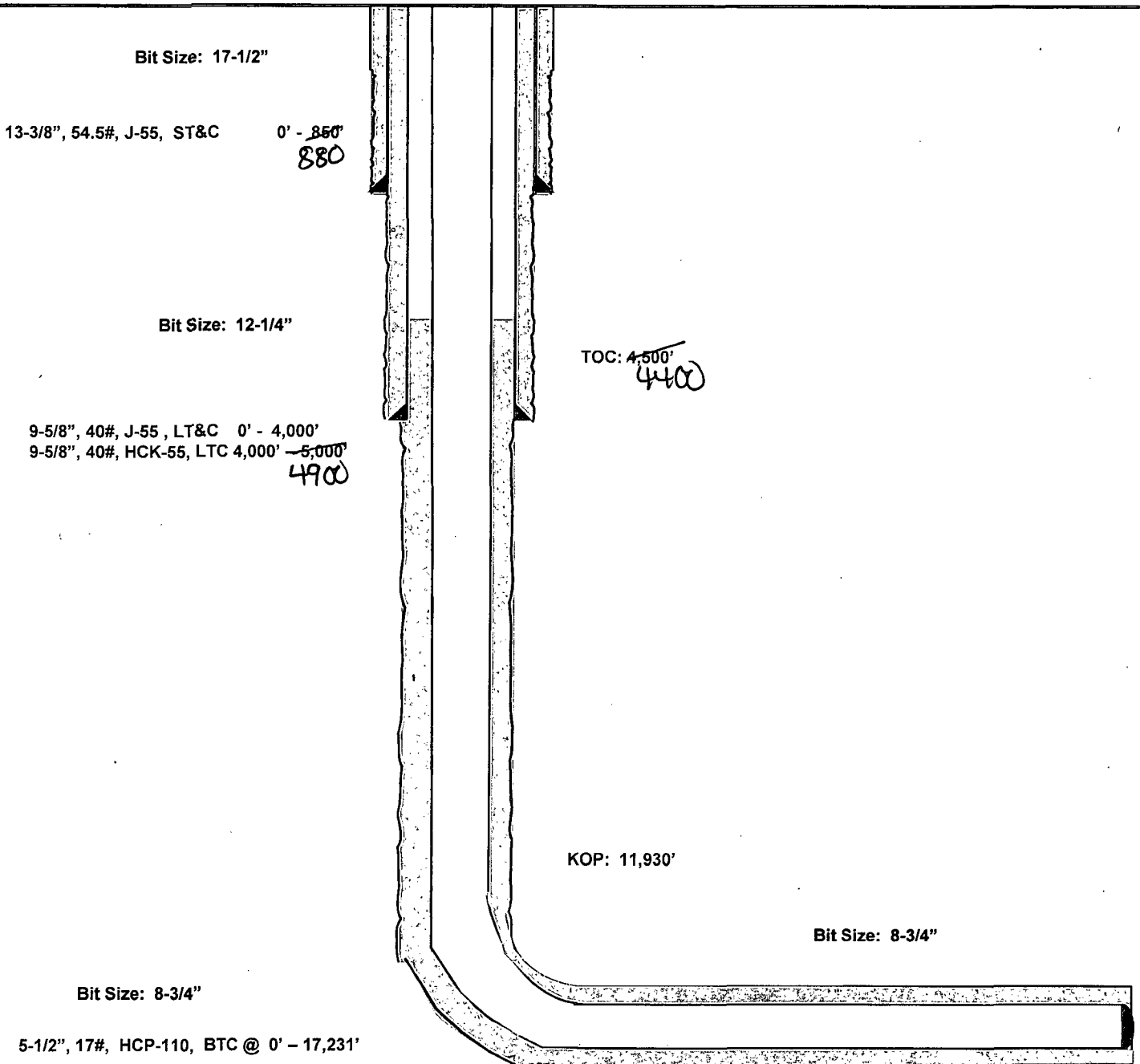
(A) EOG Resources requests the option to contract a Surface Rig to drill, set surface casing, and cement on the subject well. If the timing between rigs is such that EOG Resources would not be able to preset the surface, the Primary Rig will MIRU and drill the well in its entirety per the APD.

Thor 21 Fed Com #708H

370' FSL
1669' FEL
Section 21
T-26-S, R-33-E

Lea County, New Mexico
Proposed Wellbore
Revised 1/4/16
API: 30-025-

KB: 3,291'
GL: 3,261'



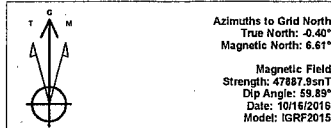
Lateral: 17,231' MD, 12,415' TVD
Upper Most Perf:
330' FSL & 1993' FEL Sec. 21
Lower Most Perf:
330' FNL & 1993' FEL Sec. 21
BH Location: 230' FNL & 1993' FEL
Section 21
T-26-S, R-33-E



Lea County, NM (NAD 27 NME)

Thor 21 Fed Com #708H

Plan #0.2



To convert a Magnetic Direction to a Grid Direction, Add 6.61°
To convert a Magnetic Direction to a True Direction, Add 7.01° East
To convert a True Direction to a Grid Direction, Subtract 0.40°

PROJECT DETAILS: Lea County, NM (NAD 27 NME)

Geodetic System: US State Plane 1927 (Exact solution)
Datum: NAD 1927 (NADCON CONUS)
Ellipsoid: Clarke 1866
Zone: New Mexico East 3001
System Datum: Mean Sea Level

WELL DETAILS: #708H

Ground Level: 3252.0
KB = 25 @ 3277.0usft
Northing: 370048.00 Easting: 735448.00 Latitude: 32° 1' 21.409 N Longitude: 103° 34' 25.082 W

SECTION DETAILS

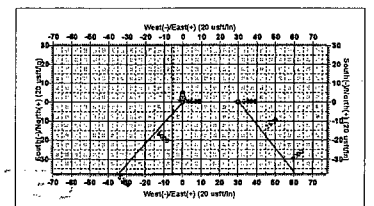
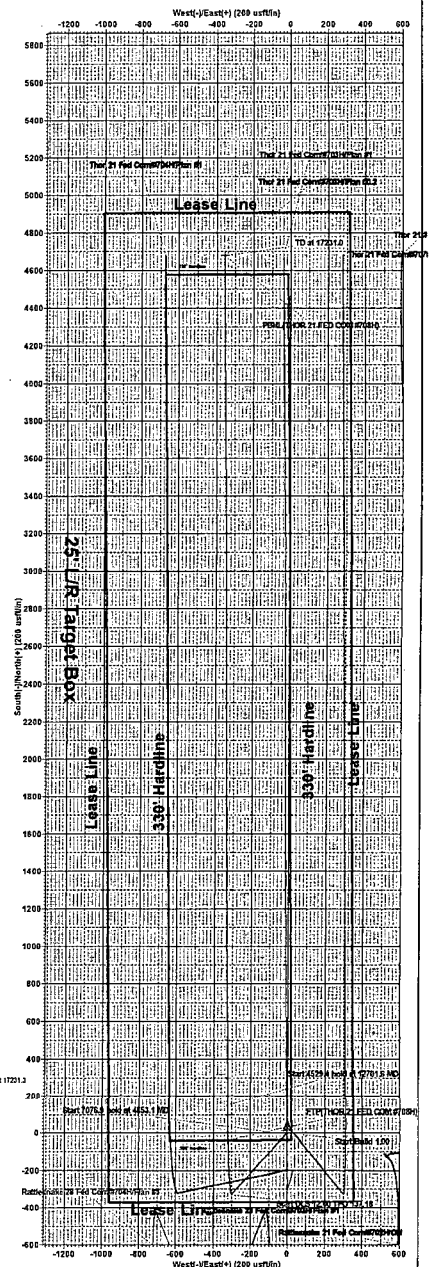
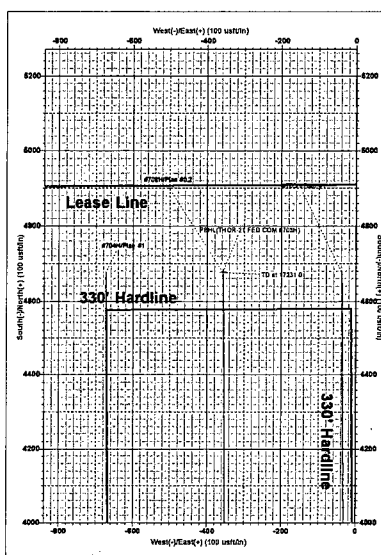
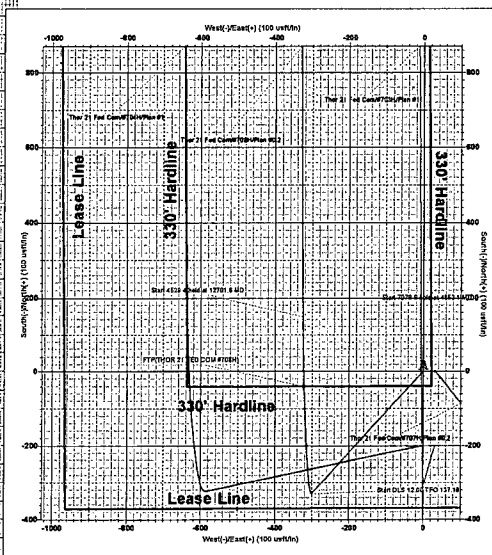
Sec	MD	Inc	Azi	TVD	+N-S	+E-W	Dip	TFace	VSec	Target	Annotation
1	0.0	0.00	0.00	0.0	0.0	0.00	0.00	0.0	0.0		
2	4500.0	0.00	0.00	4500.0	0.0	0.0	0.00	0.00	0.0		
3	4853.1	3.53	222.37	4852.9	-8.0	-7.3	1.00	222.37	-7.5		
4	11920.0	3.53	222.37	11916.4	-330.1	-301.1	0.00	0.00	-305.2		
5	12701.6	90.00	359.60	12415.0	146.7	-325.3	12.00	137.18	171.0		
6	17231.0	90.00	359.60	12415.0	4576.0	-357.0	0.00	0.00	4689.6		PBHL(THOR 21 FED COM #708H)

CASING DETAILS

No casing data is available

WELLBORE TARGET DETAILS (MAP CO-ORDINATES)

Name	TVD	+N-S	+E-W	Northing	Easting
PBHL(THOR 21 FED COM #708H)	12415.0	4676.0	-357.0	377457.00	736091.00
FTP(THOR 21 FED COM #708H)	12415.0	-41.0	-324.0	372740.00	735124.00
Interp @ 9811.7 (#708H OH Plan #0.1)	9811.7	-214.8	-428.6	372566.19	735019.35



Vertical Section at 355.63° (280 usft)

Lea County, NM (NAD 27 NME)
Thor 21 Fed Com #708H
Plan #0.2
10/16/2015



EOG Resources - Midland

Lea County, NM (NAD 27 NME)

Thor 21 Fed Com

#708H

OH

Plan: Plan #0.2

Standard Planning Report

05 January, 2016

2016-01-05

11:11 AM

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EOG Resources, Inc.
Planning Report

Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well #708H
Company:	EOG Resources - Midland	TVD Reference:	KB = 25 @ 3277.0usft
Project:	Lea County, NM (NAD 27 NME)	MD Reference:	KB = 25 @ 3277.0usft
Site:	Thor 21 Fed Com	North Reference:	Grid
Well:	#708H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.2		

Project	Lea County, NM (NAD 27 NME)		
Map System:	US State Plane 1927 (Exact solution)	System Datum:	Mean Sea Level
Geo Datum:	NAD 1927 (NADCON CONUS)		
Map Zone:	New Mexico East 3001		

Site	Thor 21 Fed Com		
Site Position:		Northing:	372,581.00 usft
From:	Map	Easting:	735,478.00 usft
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "
		Latitude:	32° 1' 19.428 N
		Longitude:	103° 34' 24.750 W
		Grid Convergence:	0.40 °

Well	#708H		
Well Position	+N/-S	200.0 usft	Northing: 372,781.00 usft
	+E/-W	-30.0 usft	Easting: 735,448.00 usft
Position Uncertainty	0.0 usft	Wellhead Elevation:	0.0 usft
		Latitude:	32° 1' 21.409 N
		Longitude:	103° 34' 25.082 W
		Ground Level:	3,252.0 usft

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2015	10/16/2016	7.01	59.89	47,888

Design	Plan #0.2			
Audit Notes:				
Version:	Phase:	PLAN	Tie On Depth:	0.0
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)
	0.0	0.0	0.0	355.63

Plan Sections										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	TFO (°)	Target
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
4,500.0	0.00	0.00	4,500.0	0.0	0.0	0.00	0.00	0.00	0.00	
4,853.1	3.53	222.37	4,852.9	-8.0	-7.3	1.00	1.00	0.00	222.37	
11,930.0	3.53	222.37	11,916.4	-330.1	-301.1	0.00	0.00	0.00	0.00	
12,701.6	90.00	359.60	12,415.0	146.7	-325.3	12.00	11.21	17.79	137.18	
17,231.0	90.00	359.60	12,415.0	4,676.0	-357.0	0.00	0.00	0.00	0.00	PBHL(THOR 21 FED)



EOG Resources, Inc.

Planning Report

Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well #708H
Company:	EOG Resources - Midland	TVD Reference:	KB = 25 @ 3277.0usft
Project:	Lea County, NM (NAD 27 NME)	MD Reference:	KB = 25 @ 3277.0usft
Site:	Thor 21 Fed.Com	North Reference:	Grid
Well:	#708H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.2		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
100.0	0.00	0.00	100.0	0.0	0.0	0.0	0.00	0.00	0.00
200.0	0.00	0.00	200.0	0.0	0.0	0.0	0.00	0.00	0.00
300.0	0.00	0.00	300.0	0.0	0.0	0.0	0.00	0.00	0.00
400.0	0.00	0.00	400.0	0.0	0.0	0.0	0.00	0.00	0.00
500.0	0.00	0.00	500.0	0.0	0.0	0.0	0.00	0.00	0.00
600.0	0.00	0.00	600.0	0.0	0.0	0.0	0.00	0.00	0.00
700.0	0.00	0.00	700.0	0.0	0.0	0.0	0.00	0.00	0.00
800.0	0.00	0.00	800.0	0.0	0.0	0.0	0.00	0.00	0.00
900.0	0.00	0.00	900.0	0.0	0.0	0.0	0.00	0.00	0.00
1,000.0	0.00	0.00	1,000.0	0.0	0.0	0.0	0.00	0.00	0.00
1,100.0	0.00	0.00	1,100.0	0.0	0.0	0.0	0.00	0.00	0.00
1,200.0	0.00	0.00	1,200.0	0.0	0.0	0.0	0.00	0.00	0.00
1,300.0	0.00	0.00	1,300.0	0.0	0.0	0.0	0.00	0.00	0.00
1,400.0	0.00	0.00	1,400.0	0.0	0.0	0.0	0.00	0.00	0.00
1,500.0	0.00	0.00	1,500.0	0.0	0.0	0.0	0.00	0.00	0.00
1,600.0	0.00	0.00	1,600.0	0.0	0.0	0.0	0.00	0.00	0.00
1,700.0	0.00	0.00	1,700.0	0.0	0.0	0.0	0.00	0.00	0.00
1,800.0	0.00	0.00	1,800.0	0.0	0.0	0.0	0.00	0.00	0.00
1,900.0	0.00	0.00	1,900.0	0.0	0.0	0.0	0.00	0.00	0.00
2,000.0	0.00	0.00	2,000.0	0.0	0.0	0.0	0.00	0.00	0.00
2,100.0	0.00	0.00	2,100.0	0.0	0.0	0.0	0.00	0.00	0.00
2,200.0	0.00	0.00	2,200.0	0.0	0.0	0.0	0.00	0.00	0.00
2,300.0	0.00	0.00	2,300.0	0.0	0.0	0.0	0.00	0.00	0.00
2,400.0	0.00	0.00	2,400.0	0.0	0.0	0.0	0.00	0.00	0.00
2,500.0	0.00	0.00	2,500.0	0.0	0.0	0.0	0.00	0.00	0.00
2,600.0	0.00	0.00	2,600.0	0.0	0.0	0.0	0.00	0.00	0.00
2,700.0	0.00	0.00	2,700.0	0.0	0.0	0.0	0.00	0.00	0.00
2,800.0	0.00	0.00	2,800.0	0.0	0.0	0.0	0.00	0.00	0.00
2,900.0	0.00	0.00	2,900.0	0.0	0.0	0.0	0.00	0.00	0.00
3,000.0	0.00	0.00	3,000.0	0.0	0.0	0.0	0.00	0.00	0.00
3,100.0	0.00	0.00	3,100.0	0.0	0.0	0.0	0.00	0.00	0.00
3,200.0	0.00	0.00	3,200.0	0.0	0.0	0.0	0.00	0.00	0.00
3,300.0	0.00	0.00	3,300.0	0.0	0.0	0.0	0.00	0.00	0.00
3,400.0	0.00	0.00	3,400.0	0.0	0.0	0.0	0.00	0.00	0.00
3,500.0	0.00	0.00	3,500.0	0.0	0.0	0.0	0.00	0.00	0.00
3,600.0	0.00	0.00	3,600.0	0.0	0.0	0.0	0.00	0.00	0.00
3,700.0	0.00	0.00	3,700.0	0.0	0.0	0.0	0.00	0.00	0.00
3,800.0	0.00	0.00	3,800.0	0.0	0.0	0.0	0.00	0.00	0.00
3,900.0	0.00	0.00	3,900.0	0.0	0.0	0.0	0.00	0.00	0.00
4,000.0	0.00	0.00	4,000.0	0.0	0.0	0.0	0.00	0.00	0.00
4,100.0	0.00	0.00	4,100.0	0.0	0.0	0.0	0.00	0.00	0.00
4,200.0	0.00	0.00	4,200.0	0.0	0.0	0.0	0.00	0.00	0.00
4,300.0	0.00	0.00	4,300.0	0.0	0.0	0.0	0.00	0.00	0.00
4,400.0	0.00	0.00	4,400.0	0.0	0.0	0.0	0.00	0.00	0.00
4,500.0	0.00	0.00	4,500.0	0.0	0.0	0.0	0.00	0.00	0.00
4,600.0	1.00	222.37	4,600.0	-0.6	-0.6	-0.6	1.00	1.00	0.00
4,700.0	2.00	222.37	4,700.0	-2.6	-2.4	-2.4	1.00	1.00	0.00
4,800.0	3.00	222.37	4,799.9	-5.8	-5.3	-5.4	1.00	1.00	0.00
4,853.1	3.53	222.37	4,852.9	-8.0	-7.3	-7.5	1.00	1.00	0.00
4,900.0	3.53	222.37	4,899.7	-10.2	-9.3	-9.4	0.00	0.00	0.00
5,000.0	3.53	222.37	4,999.5	-14.7	-13.4	-13.7	0.00	0.00	0.00
5,100.0	3.53	222.37	5,099.3	-19.3	-17.6	-17.9	0.00	0.00	0.00
5,200.0	3.53	222.37	5,199.1	-23.8	-21.7	-22.1	0.00	0.00	0.00



EOG Resources, Inc.
Planning Report

Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well #708H
Company:	EOG Resources - Midland	TVD Reference:	KB = 25 @ 3277.0usft
Project:	Lea County, NM (NAD 27 NME)	MD Reference:	KB = 25 @ 3277.0usft
Site:	Thor 21 Fed Com	North Reference:	Grid
Well:	#708H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.2		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
5,300.0	3.53	222.37	5,298.9	-28.4	-25.9	-26.3	0.00	0.00	0.00
5,400.0	3.53	222.37	5,398.7	-32.9	-30.0	-30.5	0.00	0.00	0.00
5,500.0	3.53	222.37	5,498.5	-37.5	-34.2	-34.8	0.00	0.00	0.00
5,600.0	3.53	222.37	5,598.4	-42.0	-38.3	-39.0	0.00	0.00	0.00
5,700.0	3.53	222.37	5,698.2	-46.6	-42.5	-43.2	0.00	0.00	0.00
5,800.0	3.53	222.37	5,798.0	-51.1	-46.6	-47.4	0.00	0.00	0.00
5,900.0	3.53	222.37	5,897.8	-55.7	-50.8	-51.7	0.00	0.00	0.00
6,000.0	3.53	222.37	5,997.6	-60.2	-54.9	-55.9	0.00	0.00	0.00
6,100.0	3.53	222.37	6,097.4	-64.8	-59.1	-60.1	0.00	0.00	0.00
6,200.0	3.53	222.37	6,197.2	-69.3	-63.2	-64.3	0.00	0.00	0.00
6,300.0	3.53	222.37	6,297.0	-73.9	-67.4	-68.5	0.00	0.00	0.00
6,400.0	3.53	222.37	6,396.8	-78.4	-71.5	-72.8	0.00	0.00	0.00
6,500.0	3.53	222.37	6,496.6	-83.0	-75.7	-77.0	0.00	0.00	0.00
6,600.0	3.53	222.37	6,596.5	-87.5	-79.8	-81.2	0.00	0.00	0.00
6,700.0	3.53	222.37	6,696.3	-92.1	-84.0	-85.4	0.00	0.00	0.00
6,800.0	3.53	222.37	6,796.1	-96.6	-88.1	-89.6	0.00	0.00	0.00
6,900.0	3.53	222.37	6,895.9	-101.2	-92.3	-93.9	0.00	0.00	0.00
7,000.0	3.53	222.37	6,995.7	-105.7	-96.4	-98.1	0.00	0.00	0.00
7,100.0	3.53	222.37	7,095.5	-110.3	-100.6	-102.3	0.00	0.00	0.00
7,200.0	3.53	222.37	7,195.3	-114.8	-104.7	-106.5	0.00	0.00	0.00
7,300.0	3.53	222.37	7,295.1	-119.4	-108.9	-110.8	0.00	0.00	0.00
7,400.0	3.53	222.37	7,394.9	-123.9	-113.0	-115.0	0.00	0.00	0.00
7,500.0	3.53	222.37	7,494.8	-128.5	-117.2	-119.2	0.00	0.00	0.00
7,600.0	3.53	222.37	7,594.6	-133.0	-121.3	-123.4	0.00	0.00	0.00
7,700.0	3.53	222.37	7,694.4	-137.6	-125.5	-127.6	0.00	0.00	0.00
7,800.0	3.53	222.37	7,794.2	-142.1	-129.7	-131.9	0.00	0.00	0.00
7,900.0	3.53	222.37	7,894.0	-146.7	-133.8	-136.1	0.00	0.00	0.00
8,000.0	3.53	222.37	7,993.8	-151.3	-138.0	-140.3	0.00	0.00	0.00
8,100.0	3.53	222.37	8,093.6	-155.8	-142.1	-144.5	0.00	0.00	0.00
8,200.0	3.53	222.37	8,193.4	-160.4	-146.3	-148.8	0.00	0.00	0.00
8,300.0	3.53	222.37	8,293.2	-164.9	-150.4	-153.0	0.00	0.00	0.00
8,400.0	3.53	222.37	8,393.0	-169.5	-154.6	-157.2	0.00	0.00	0.00
8,500.0	3.53	222.37	8,492.9	-174.0	-158.7	-161.4	0.00	0.00	0.00
8,600.0	3.53	222.37	8,592.7	-178.6	-162.9	-165.6	0.00	0.00	0.00
8,700.0	3.53	222.37	8,692.5	-183.1	-167.0	-169.9	0.00	0.00	0.00
8,800.0	3.53	222.37	8,792.3	-187.7	-171.2	-174.1	0.00	0.00	0.00
8,900.0	3.53	222.37	8,892.1	-192.2	-175.3	-178.3	0.00	0.00	0.00
9,000.0	3.53	222.37	8,991.9	-196.8	-179.5	-182.5	0.00	0.00	0.00
9,100.0	3.53	222.37	9,091.7	-201.3	-183.6	-186.8	0.00	0.00	0.00
9,200.0	3.53	222.37	9,191.5	-205.9	-187.8	-191.0	0.00	0.00	0.00
9,300.0	3.53	222.37	9,291.3	-210.4	-191.9	-195.2	0.00	0.00	0.00
9,400.0	3.53	222.37	9,391.1	-215.0	-196.1	-199.4	0.00	0.00	0.00
9,500.0	3.53	222.37	9,491.0	-219.5	-200.2	-203.6	0.00	0.00	0.00
9,600.0	3.53	222.37	9,590.8	-224.1	-204.4	-207.9	0.00	0.00	0.00
9,700.0	3.53	222.37	9,690.6	-228.6	-208.5	-212.1	0.00	0.00	0.00
9,800.0	3.53	222.37	9,790.4	-233.2	-212.7	-216.3	0.00	0.00	0.00
9,829.4	3.53	222.37	9,819.8	-234.5	-213.9	-217.5	0.00	0.00	0.00
Interp @ 9811.7 (#708H OH Plan #0.1)									
9,900.0	3.53	222.37	9,890.2	-237.7	-216.8	-220.5	0.00	0.00	0.00
10,000.0	3.53	222.37	9,990.0	-242.3	-221.0	-224.7	0.00	0.00	0.00
10,100.0	3.53	222.37	10,089.8	-246.8	-225.1	-229.0	0.00	0.00	0.00
10,200.0	3.53	222.37	10,189.6	-251.4	-229.3	-233.2	0.00	0.00	0.00
10,300.0	3.53	222.37	10,289.4	-255.9	-233.4	-237.4	0.00	0.00	0.00



EOG Resources, Inc.

Planning Report

Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well #708H
Company:	EOG Resources - Midland	TVD Reference:	KB = 25 @ 3277.0usft
Project:	Lea County, NM (NAD 27 NME)	MD Reference:	KB = 25 @ 3277.0usft
Site:	Thor 21 Fed Com	North Reference:	Grid
Well:	#708H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.2		

Planned Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N-S (usft)	+E-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
10,400.0	3.53	222.37	10,389.2	-260.5	-237.6	-241.6	0.00	0.00	0.00	
10,500.0	3.53	222.37	10,489.1	-265.0	-241.7	-245.9	0.00	0.00	0.00	
10,600.0	3.53	222.37	10,588.9	-269.6	-245.9	-250.1	0.00	0.00	0.00	
10,700.0	3.53	222.37	10,688.7	-274.1	-250.0	-254.3	0.00	0.00	0.00	
10,800.0	3.53	222.37	10,788.5	-278.7	-254.2	-258.5	0.00	0.00	0.00	
10,900.0	3.53	222.37	10,888.3	-283.2	-258.3	-262.7	0.00	0.00	0.00	
11,000.0	3.53	222.37	10,988.1	-287.8	-262.5	-267.0	0.00	0.00	0.00	
11,100.0	3.53	222.37	11,087.9	-292.3	-266.6	-271.2	0.00	0.00	0.00	
11,200.0	3.53	222.37	11,187.7	-296.9	-270.8	-275.4	0.00	0.00	0.00	
11,300.0	3.53	222.37	11,287.5	-301.4	-274.9	-279.6	0.00	0.00	0.00	
11,400.0	3.53	222.37	11,387.3	-306.0	-279.1	-283.9	0.00	0.00	0.00	
11,500.0	3.53	222.37	11,487.2	-310.5	-283.2	-288.1	0.00	0.00	0.00	
11,600.0	3.53	222.37	11,587.0	-315.1	-287.4	-292.3	0.00	0.00	0.00	
11,700.0	3.53	222.37	11,686.8	-319.6	-291.5	-296.5	0.00	0.00	0.00	
11,800.0	3.53	222.37	11,786.6	-324.2	-295.7	-300.7	0.00	0.00	0.00	
11,900.0	3.53	222.37	11,886.4	-328.7	-299.8	-305.0	0.00	0.00	0.00	
11,930.0	3.53	222.37	11,916.4	-330.1	-301.1	-306.2	0.00	0.00	0.00	
11,950.0	2.41	264.90	11,936.3	-330.6	-301.9	-306.7	12.00	-5.63	213.16	
11,975.0	3.69	319.06	11,961.3	-330.0	-303.0	-306.0	12.00	5.13	216.64	
12,000.0	6.28	337.21	11,986.2	-328.2	-304.0	-304.1	12.00	10.36	72.58	
12,025.0	9.12	344.47	12,011.0	-325.0	-305.1	-300.8	12.00	11.37	29.05	
12,050.0	12.04	348.27	12,035.5	-320.5	-306.1	-296.3	12.00	11.68	15.20	
12,075.0	14.99	350.60	12,059.8	-314.8	-307.2	-290.5	12.00	11.80	9.31	
12,100.0	17.96	352.17	12,083.8	-307.8	-308.3	-283.4	12.00	11.87	6.30	
12,125.0	20.93	353.31	12,107.4	-299.5	-309.3	-275.1	12.00	11.90	4.56	
12,150.0	23.92	354.18	12,130.5	-290.0	-310.3	-265.6	12.00	11.93	3.47	
12,175.0	26.90	354.86	12,153.1	-279.4	-311.4	-254.9	12.00	11.94	2.74	
12,200.0	29.89	355.42	12,175.1	-267.5	-312.4	-243.0	12.00	11.95	2.23	
12,225.0	32.88	355.88	12,196.4	-254.5	-313.3	-230.0	12.00	11.96	1.86	
12,250.0	35.87	356.28	12,217.0	-240.5	-314.3	-215.8	12.00	11.97	1.58	
12,275.0	38.87	356.62	12,236.9	-225.3	-315.2	-200.7	12.00	11.97	1.37	
12,300.0	41.86	356.92	12,255.9	-209.2	-316.2	-184.5	12.00	11.97	1.20	
12,325.0	44.85	357.19	12,274.1	-192.0	-317.0	-167.3	12.00	11.98	1.07	
12,350.0	47.85	357.43	12,291.4	-173.9	-317.9	-149.2	12.00	11.98	0.96	
12,375.0	50.84	357.64	12,307.7	-155.0	-318.7	-130.3	12.00	11.98	0.87	
12,400.0	53.84	357.84	12,322.9	-135.2	-319.5	-110.5	12.00	11.98	0.80	
12,425.0	56.84	358.03	12,337.1	-114.7	-320.2	-90.0	12.00	11.98	0.74	
12,450.0	59.83	358.20	12,350.3	-93.4	-320.9	-68.7	12.00	11.99	0.69	
12,475.0	62.83	358.37	12,362.3	-71.5	-321.6	-46.8	12.00	11.99	0.65	
12,500.0	65.83	358.52	12,373.1	-49.0	-322.2	-24.3	12.00	11.99	0.62	
12,523.6	68.65	358.66	12,382.2	-27.3	-322.7	-2.6	12.00	11.99	0.59	
FTP(THOR 21 FED COM #708H)										
12,525.0	68.82	358.67	12,382.7	-25.9	-322.8	-1.3	12.00	11.99	0.58	
12,550.0	71.82	358.81	12,391.1	-2.4	-323.3	22.2	12.00	11.99	0.57	
12,575.0	74.82	358.95	12,398.3	21.6	-323.7	46.1	12.00	11.99	0.55	
12,600.0	77.81	359.08	12,404.2	45.8	-324.2	70.4	12.00	11.99	0.53	
12,625.0	80.81	359.21	12,408.9	70.4	-324.5	94.9	12.00	11.99	0.52	
12,650.0	83.81	359.34	12,412.2	95.2	-324.8	119.6	12.00	11.99	0.51	
12,675.0	86.81	359.47	12,414.3	120.1	-325.1	144.5	12.00	11.99	0.51	
12,701.6	90.00	359.60	12,415.0	146.7	-325.3	171.0	12.00	11.99	0.50	
12,800.0	90.00	359.60	12,415.0	245.1	-326.0	269.2	0.00	0.00	0.00	
12,900.0	90.00	359.60	12,415.0	345.1	-326.7	368.9	0.00	0.00	0.00	
13,000.0	90.00	359.60	12,415.0	445.1	-327.4	468.7	0.00	0.00	0.00	
13,100.0	90.00	359.60	12,415.0	545.1	-328.1	568.5	0.00	0.00	0.00	



EOG Resources, Inc.

Planning Report

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Project:	Lea County, NM (NAD 27 NME)	MD Reference:	KB = 25 @ 3277.0usft
Site:	Thor 21 Fed Com	North Reference:	Grid:
Well:	#708H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.2		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
13,200.0	90.00	359.60	12,415.0	645.1	-328.8	668.2	0.00	0.00	0.00
13,300.0	90.00	359.60	12,415.0	745.1	-329.5	768.0	0.00	0.00	0.00
13,400.0	90.00	359.60	12,415.0	845.1	-330.2	867.7	0.00	0.00	0.00
13,500.0	90.00	359.60	12,415.0	945.0	-330.9	967.5	0.00	0.00	0.00
13,600.0	90.00	359.60	12,415.0	1,045.0	-331.6	1,067.3	0.00	0.00	0.00
13,700.0	90.00	359.60	12,415.0	1,145.0	-332.3	1,167.0	0.00	0.00	0.00
13,800.0	90.00	359.60	12,415.0	1,245.0	-333.0	1,266.8	0.00	0.00	0.00
13,900.0	90.00	359.60	12,415.0	1,345.0	-333.7	1,366.5	0.00	0.00	0.00
14,000.0	90.00	359.60	12,415.0	1,445.0	-334.4	1,466.3	0.00	0.00	0.00
14,100.0	90.00	359.60	12,415.0	1,545.0	-335.1	1,566.1	0.00	0.00	0.00
14,200.0	90.00	359.60	12,415.0	1,645.0	-335.8	1,665.8	0.00	0.00	0.00
14,300.0	90.00	359.60	12,415.0	1,745.0	-336.5	1,765.6	0.00	0.00	0.00
14,400.0	90.00	359.60	12,415.0	1,845.0	-337.2	1,865.3	0.00	0.00	0.00
14,500.0	90.00	359.60	12,415.0	1,945.0	-337.9	1,965.1	0.00	0.00	0.00
14,600.0	90.00	359.60	12,415.0	2,045.0	-338.6	2,064.9	0.00	0.00	0.00
14,700.0	90.00	359.60	12,415.0	2,145.0	-339.3	2,164.6	0.00	0.00	0.00
14,800.0	90.00	359.60	12,415.0	2,245.0	-340.0	2,264.4	0.00	0.00	0.00
14,900.0	90.00	359.60	12,415.0	2,345.0	-340.7	2,364.1	0.00	0.00	0.00
15,000.0	90.00	359.60	12,415.0	2,445.0	-341.4	2,463.9	0.00	0.00	0.00
15,100.0	90.00	359.60	12,415.0	2,545.0	-342.1	2,563.7	0.00	0.00	0.00
15,200.0	90.00	359.60	12,415.0	2,645.0	-342.8	2,663.4	0.00	0.00	0.00
15,300.0	90.00	359.60	12,415.0	2,745.0	-343.5	2,763.2	0.00	0.00	0.00
15,400.0	90.00	359.60	12,415.0	2,845.0	-344.2	2,862.9	0.00	0.00	0.00
15,500.0	90.00	359.60	12,415.0	2,945.0	-344.9	2,962.7	0.00	0.00	0.00
15,600.0	90.00	359.60	12,415.0	3,045.0	-345.6	3,062.5	0.00	0.00	0.00
15,700.0	90.00	359.60	12,415.0	3,145.0	-346.3	3,162.2	0.00	0.00	0.00
15,800.0	90.00	359.60	12,415.0	3,245.0	-347.0	3,262.0	0.00	0.00	0.00
15,900.0	90.00	359.60	12,415.0	3,345.0	-347.7	3,361.8	0.00	0.00	0.00
16,000.0	90.00	359.60	12,415.0	3,445.0	-348.4	3,461.5	0.00	0.00	0.00
16,100.0	90.00	359.60	12,415.0	3,545.0	-349.1	3,561.3	0.00	0.00	0.00
16,200.0	90.00	359.60	12,415.0	3,645.0	-349.8	3,661.0	0.00	0.00	0.00
16,300.0	90.00	359.60	12,415.0	3,745.0	-350.5	3,760.8	0.00	0.00	0.00
16,400.0	90.00	359.60	12,415.0	3,845.0	-351.2	3,860.6	0.00	0.00	0.00
16,500.0	90.00	359.60	12,415.0	3,945.0	-351.9	3,960.3	0.00	0.00	0.00
16,600.0	90.00	359.60	12,415.0	4,045.0	-352.6	4,060.1	0.00	0.00	0.00
16,700.0	90.00	359.60	12,415.0	4,145.0	-353.3	4,159.8	0.00	0.00	0.00
16,800.0	90.00	359.60	12,415.0	4,245.0	-354.0	4,259.6	0.00	0.00	0.00
16,900.0	90.00	359.60	12,415.0	4,345.0	-354.7	4,359.4	0.00	0.00	0.00
17,000.0	90.00	359.60	12,415.0	4,445.0	-355.4	4,459.1	0.00	0.00	0.00
17,100.0	90.00	359.60	12,415.0	4,545.0	-356.1	4,558.9	0.00	0.00	0.00
17,200.0	90.00	359.60	12,415.0	4,645.0	-356.8	4,658.6	0.00	0.00	0.00
17,231.0	90.00	359.60	12,415.0	4,676.0	-357.0	4,689.6	0.00	0.00	0.00
PBHL(THOR 21 FED COM #708H)									



EOG Resources, Inc.
Planning Report

Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well #708H
Company:	EOG Resources - Midland	TVD Reference:	KB = 25 @ 3277.0usft
Project:	Lea County, NM (NAD 27 NME)	MD Reference:	KB = 25 @ 3277.0usft
Site:	Thor 21 Fed Com	North Reference:	Grid
Well:	#708H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.2		

Design Targets									
Target Name									
- hit/miss target	Dip Angle	Dip Dir.	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
- Shape	(°)	(°)	(usft)	(usft)	(usft)	(usft)	(usft)		
PBHL(THOR 21 FED CO	0.00	0.01	12,415.0	4,676.0	-357.0	377,457.00	735,091.00	32° 2' 7.707 N	103° 34' 28.847 W
- plan hits target center									
- Point									
FTP(THOR 21 FED CO	0.00	0.00	12,415.0	-41.0	-324.0	372,740.00	735,124.00	32° 1' 21.026 N	103° 34' 28.849 W
- plan misses target center by 35.6usft at 12523.6usft MD (12382.2 TVD, -27.3 N, -322.7 E)									
- Point									

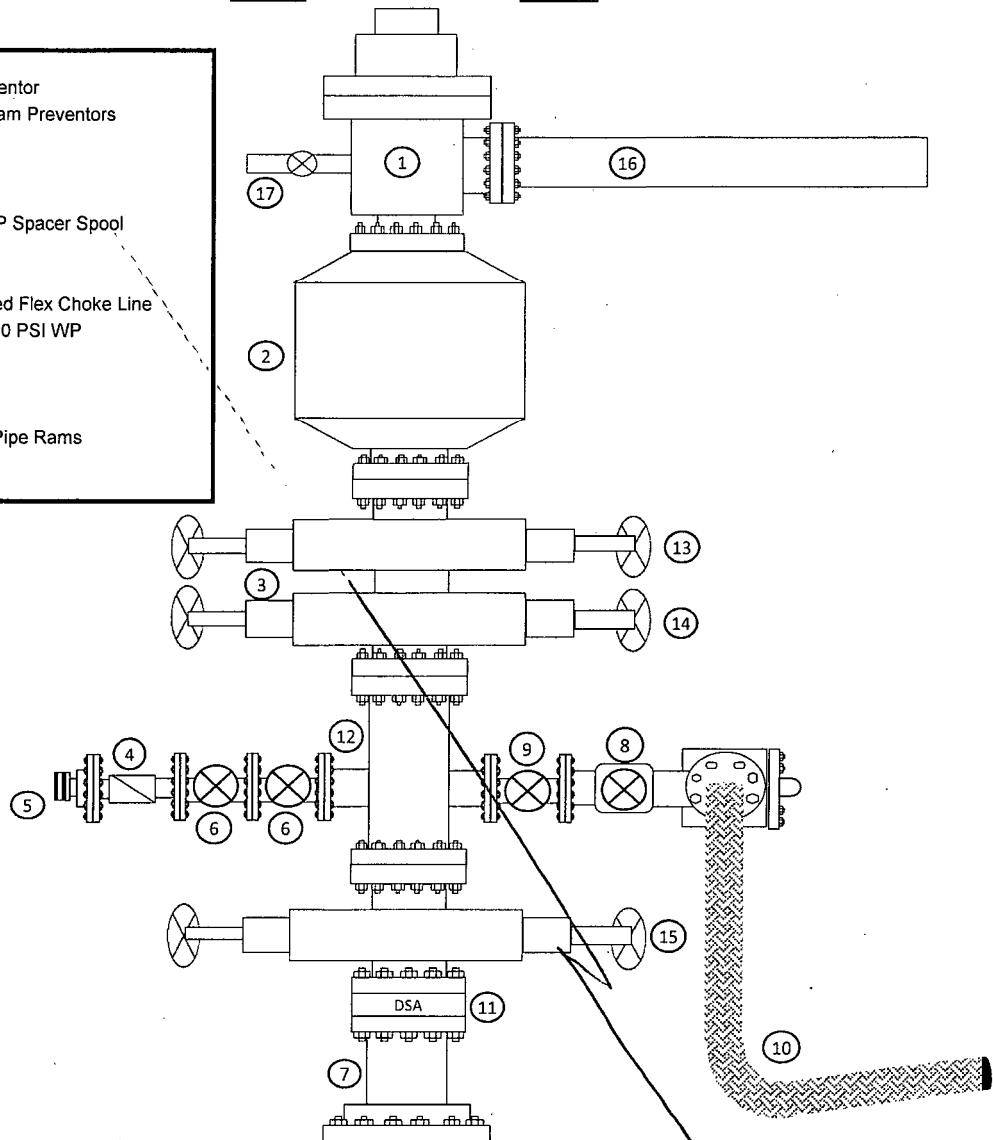
Exhibit 1

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



EOG Resources

- ## 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 Hyrdraulic 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
- The diagram illustrates the 10M BOPE system. At the top, a horizontal line with an arrow pointing right is labeled "To Shale Shaker". Below this, a large circular "Mud Gas Separator" is shown. A line from the separator goes up and right, labeled "150' to Flare". Another line goes down from the separator to a vertical "8" Expansion Chamber" (labeled 7). The expansion chamber has several connections: a top connection (11), a middle connection (8), and a bottom connection (9). A line from the bottom of the expansion chamber goes right, labeled "150'", and ends at a "4" Panic Line" (labeled 10). On the left side, a horizontal line with an arrow pointing left is labeled "4". This line connects to a "10,000 PSI WP Hyrdraulic Choke Valve" (labeled 6). Above this choke valve is a "Cameron 4 1/16" 10,000 PSI WP Manual Valve & Pressure Gauge on Pressure Block" (labeled 5). Above the pressure block are two "Cameron 4 1/16" 10,000 PSI WP Manual Valves" (labeled 3). Above these are two "4 1/16" 10,000 PSI WP Manual Chokes" (labeled 2). A "Cameron 2 1/16" 10,000 PSI WP Gate Valve" (labeled 1) is at the top left. A large "OK" is handwritten across the center of the diagram.

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

OK

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

INTERNAL HYDROSTATIC TEST REPORT			
Customer: CACTUS		P.O. Number: RIG #123 Asset # M10761	
HOSE SPECIFICATIONS			
Type: CHOKER LINE		Length: 35'	
I.D. 4" INCHES		O.D. 8" INCHES	
WORKING PRESSURE 10,000 PSI	TEST PRESSURE 15,000 PSI	BURST PRESSURE PSI	
COUPLINGS			
Type of End Fitting 4 1/16 10K FLANGE			
Type of Coupling: SWEDGED		MANUFACTURED BY MIDWEST HOSE & SPECIALTY	
PROCEDURE			
<i>Hose assembly pressure tested with water at ambient temperature.</i>			
TIME HELD AT TEST PRESSURE 1 MIN.		ACTUAL BURST PRESSURE: 0 PSI	
COMMENTS: 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			
Date: 6/6/2011	Tested By: BOBBY FINK		Approved: MENDI JACKSON



Midwest Hose
& Specialty, Inc.

Internal Hydrostatic Test Graph

Customer: CACTUS

SALES ORDER# 90067

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

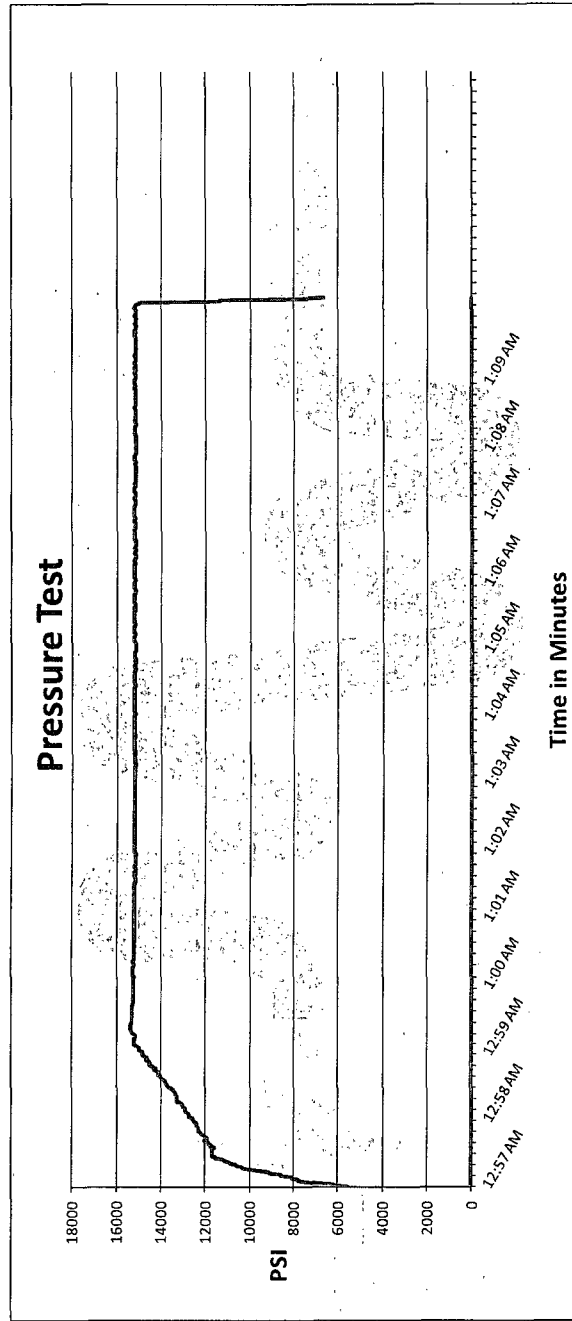
Standard Safety Multiplier Applies

Hose Serial #

90067

Hose Assembly Serial #

90067



Test Pressure

15000 PSI

Time Held at Test Pressure

11 1/4 Minutes

Actual Burst Pressure

15439 PSI

Peak Pressure

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

Tested By: Bobby Fink

Approved By: Mendi Jackson

Mendi Jackson