

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

OCD Hobbs

FORM APPROVED
OMB NO. 1004-0137
Expires July 31, 2010

12-1220

APPLICATION FOR PERMIT TO DRILL OR REENTER

HOBBS OCD

1a. Type of Work ☒ DRILL ☐ REENTER		5. Lease Serial No. NMNM122622 BHL	
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. Unit or CA Agreement Name and No.	
3a. Address P.O. Box 2267 Midland, Texas 79702		8. Lease Name and Well No. <38129> Endurance 36 State Com 4H	
3b. Phone No. (include area code) 432-686-3689		9. API Well No. 30-025-41084	
4. Location of Well (Report location clearly and in accordance with any State requirements)* At surface 330' FSL & 395' FWL, Lot 4 (SWNW), Section 36 At proposed prod. zone 230' FNL & 502' FWL, U/L D (NWNW), Section 25		10. Field and Pool, or Exploratory Bradley; Bone Spring <7280>	
14. Distance in miles and direction from nearest town or post office* Approximately +/- 27 miles Southwest from Jal, NM		11. Sec., T., R., M., or Blk. and Survey or Area Sec 36, T26S, R33E	
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drg. unit line, if any) 230'		12. County or Parish Lea	
16. No. of Acres in lease 1640 Fed, 303 St. 303.52		13. State NM	
17. Spacing Unit dedicated to this well 473.08		18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. 30' to 3H	
19. Proposed Depth 17030 MD - 10000 TVD		20. BLM/BIA Bond No. on file NM 2308	
21. Elevations (Show whether DF, KDB, RT, GL, etc.) 3336' GL		22. Approximate date work will start* 2/1/2012	
23. Estimated duration 25 days		24. Attachments 7 mts prior to submission	

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 	Name (Printed/Typed) Stan Wagner	Date 9/7/12
Title Regulatory Analyst		
Approved by (Signautre) /s/ Don Peterson	Name (Printed/Typed)	Date MAR 27 2013
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

KE 04/02/13

Approval Subject to General Requirements
& Special Stipulations AttachedSEE ATTACHED FOR
CONDITIONS OF APPROVAL

APR 11 2013

EOG RESOURCES, INC.
ENDURANCE 36 STATE COM NO. 4H

1. GEOLOGIC NAME OF SURFACE FORMATION:

Permian

2. ESTIMATED TOPS OF IMPORTANT GEOLOGICAL MARKERS:

Rustler	840'
Top of Salt	1,200'
Base of Salt	4,975'
Lamar	5,215'
Bell Canyon	5,339'
Cherry Canyon	6265'
Brushy Canyon	7,915'
Bone Spring Lime	9,410'
TD	10,000'

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

Upper Permian Sands	0- 400'	Fresh Water
Cherry Canyon	6265'	Oil
Brushy Canyon	7,915'	Oil
Bone Spring Lime	9,410'	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 900' and circulating cement back to surface.

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 -900'	13.375"	54.5#	J55	STC	1.125	1.25	1.60
12.25"	0-4,000'	9.625"	40#	J55	LTC	1.125	1.25	1.60
12.25"	4,000'- 5,100'	9.625"	40#	HCK55	LTC	1.125	1.25	1.60
8.75"	0'-17,030'	5.500"	17#	P110 or HCP110	LTC	1.125	1.25	1.60

EOG RESOURCES, INC.
ENDURANCE 36 STATE COM NO. 4H

Cementing Program:

Depth	No. Sacks	Wt. lb/gal	Yld Ft ³ /ft	Slurry Description
900'	275	13.5	1.73	Lead: 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	Tail: Class C + 0.005 pps Static Free + 1% CaCl ₂ + 0.25 pps CelloFlake + 0.005 gps FP-6L
<i>See COR</i> 5,100'	650	12.7	2.22	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	Tail: Class 'C' + 0.25 lb/sk Cello Flake + 0.005 lb/sk Static Free
<i>See COR</i> 17,030'	225	10.8	3.68	Lead: 60:40:0 Class 'C' + 15.00 lb/sk BA-90 + 4.00% MPA-5 + 3.00% SMS + 5.00% A-10 + 1.00% BA-10A + 0.80% ASA-301 + 2.90% R-21 + 8.00 lb/sk LCM-1 + 0.005 lb/sk Static Free (TOC @ 4600')
	250	11.8	2.38	Middle: 50:50:10 Class 'H' + 0.80% FL-52 + 0.45% ASA-301 + 0.40% SMS + 2.00% Salt + 3.00 lb/sx LCM-1 + 0.20% R-21 + 0.25 lb/sk Cello Flake + 0.005 lb/sk Static Free
	2025	14.2	1.28	Tail: 50:50:2 Class 'H' + 0.65% FL-52 + 0.20% CD-32 + 0.15% SMS + 2.00% Salt + 0.10% R-3 + 0.005 lb/sk Static Free

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:

See COR — 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 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.

3000 psi BOPE is adequate for this application. Due to the 3000 psi BOPE requirement no FIT tests are planned.

Before drilling out of the surface casing, the ram-type BOP and accessory equipment will be tested to 2000/ 250 psig and the annular preventer to 2000/ 250 psig. The surface casing will be tested to 1500 psi for 30 minutes.

EOG RESOURCES, INC.
ENDURANCE 36 STATE COM NO. 4H

See CCA Before drilling out of the intermediate casing, the ram-type BOP and accessory equipment will be tested to 3000/ 250 psig and the annular preventer to 3000/ 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:

The applicable depths and properties of the drilling fluid systems are as follows. Sufficient mud materials to maintain mud properties and meet minimum lost circulation and weight increase requirements will be kept on location at all times.

See CCA

Depth	Type	Weight (ppg)	Viscosity	Water Loss
0 – 900'	Fresh Water Gel	8.6-8.8	28-34	N/c
900' – 5,100'	Saturated Brine	10.0-10.2	28-34	N/c
5,100' – 9,522'	Cut Brine Water	8.5-9.3	28-34	N/c
9,522' – 17,030' Lateral	Cut Brine Water	9.0-9.5	28-34	N/c

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.

8. LOGGING, TESTING AND CORING PROGRAM: *See CCA*

Open-hole logs are not planned for this well.

GR-CCL Will be run in cased hole during completions phase of operations from kick off point to intermediate casing point.

EOG RESOURCES, INC.
ENDURANCE 36 STATE COM NO. 4H

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

*See
COA*

The estimated bottom-hole temperature (BHT) at TD is 160 degrees F with an estimated maximum bottom-hole pressure (BHP) at TD of 4330 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.

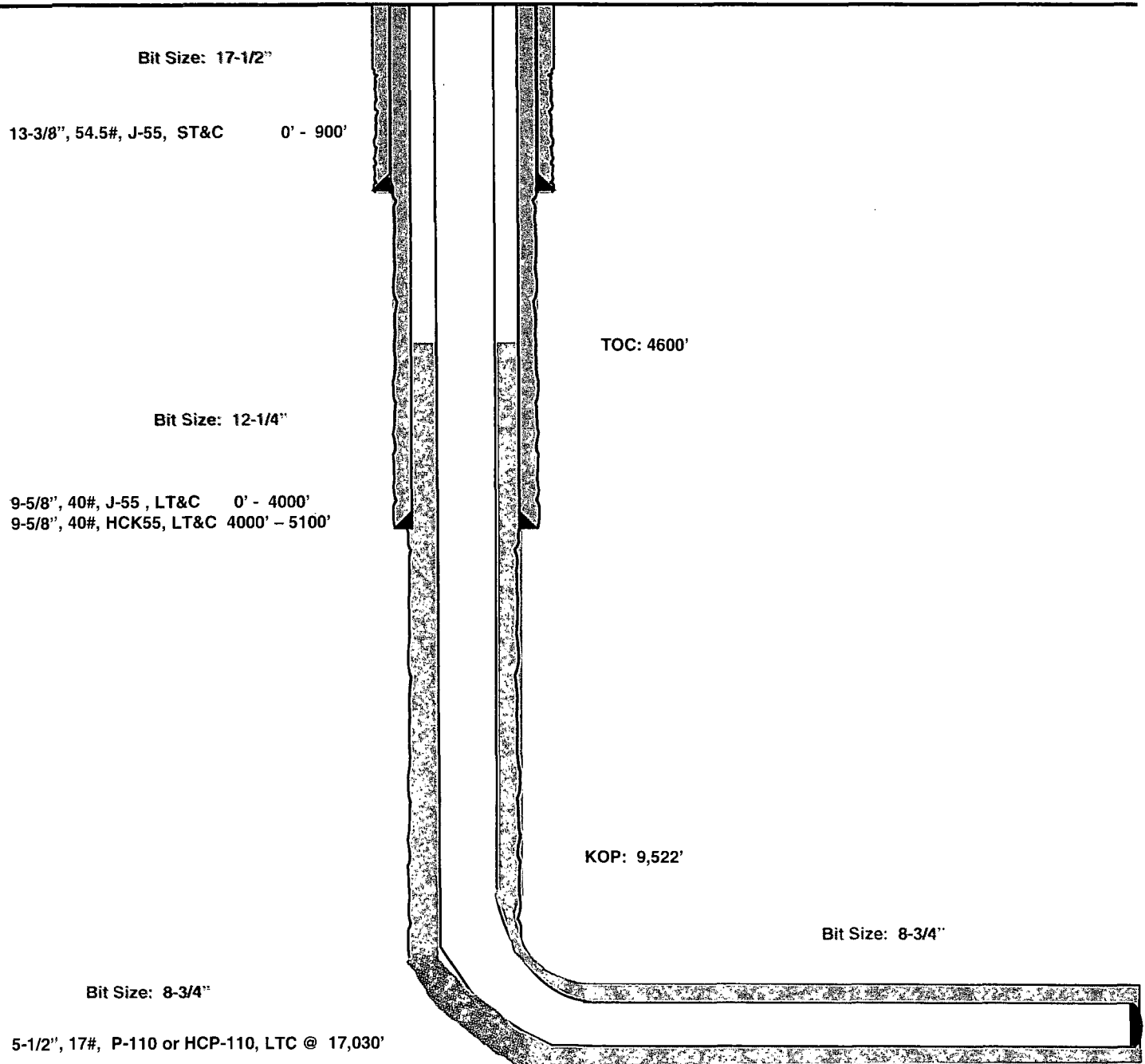
Endurance 36 State Com #4H
Red Hills
Lea County, New Mexico

330' FSL
395' FWL
Section 36
T-26-S, R-33-E

Proposed Wellbore

API: 30-025- *****

KB: 3,366'
GL: 3,336'



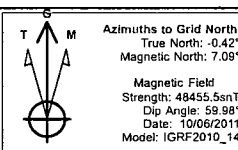
Lateral: 17,030' MD, 10,000' TVD

BH Location: 230' FNL & 502' FWL
Section 25
T-26-S, R-33-E

EOG Resources

Project: Lea County, NM (Nad27)
Site: Endurance 36 State Com
Well: Endurance 36 State Com 4H
Wellbore: Wellbore #1
Plan: Plan #3 082412
Rig: Cactus Rig No. 123

PROJECT DETAILS: Lea County, NM (Nad27)
 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
 Location North: Grid



PHOENIX
 TECHNOLOGY SERVICES

WELL DETAILS: Endurance 36 State Com 4H

Ground Level: 3336.00
Northing 365025.00
Easting 748141.00
Latitude 32° 0' 3.7511" N
Longitude 103° 31' 58.3219" W

WELLBORE TARGET DETAILS (MAP CO-ORDINATES)

Name	TVD	+N/-S	+E/-W	Northing	Easting	Shape
BHL Endurance 36 State Com 4H	10000.00	7235.00	56.00	372260.00	748197.00	Point

SECTION DETAILS

MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSect
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9522.54	0.00	0.00	9522.54	0.00	0.00	0.00	0.00	0.00
10272.54	90.00	0.44	10000.00	477.45	3.70	12.00	0.44	477.46
17030.29	90.00	0.44	10000.00	7235.00	56.00	0.00	0.00	7235.22

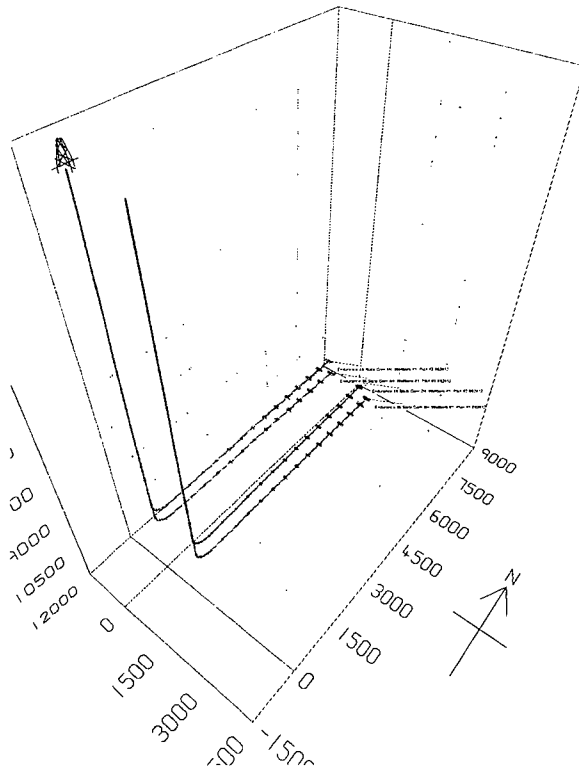
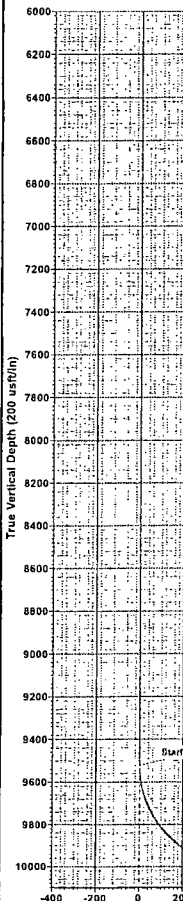
BHL Endurance 36 State Com 4H

ANNOTATIONS

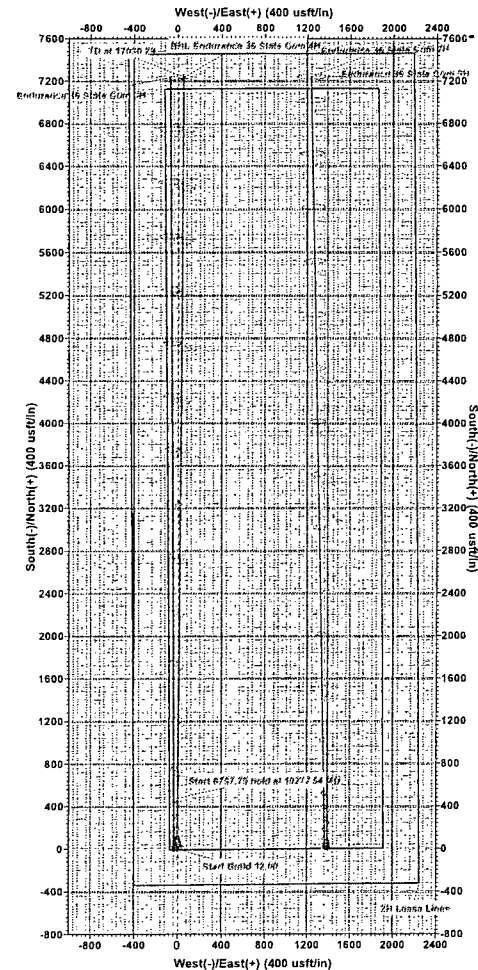
TVD	MD	Annotation
9522.54	9522.54	Start Build 12.00
10000.00	10272.54	Start 6757.75 hold at 10272.54 MD
10000.00	17030.29	TD at 17030.29

FORMATION TOP DETAILS

No formation data is available



Vertical Section at 0.44° (200 usf/in)



EOG Resources

Lea County, NM (Nad27)

Endurance 36 State Com

Endurance 36 State Com 4H

Wellbore #1

Plan: Plan #3 082412

EOG Resources

24 August, 2012



Phoenix Technology Services
EOG Resources



Company:	EOG Resources	Local Co-ordinate Reference:	Well Endurance 36 State Com 4H
Project:	Lea County, NM (Nad27)	TVD Reference:	Well @ 3366.00usft (Original Well Elev + 30' KB)
Site:	Endurance 36 State Com	MD Reference:	Well @ 3366.00usft (Original Well Elev + 30' KB)
Well:	Endurance 36 State Com 4H	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Plan #3 082412	Database:	GCR DB v5000

Project:	Lea County, NM (Nad27)		
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		Endurance 36 State Com					
Site Position:		Northing:		365,024.70 usft	Latitude:	32° 0' 3.7503 N	
From:	Map	Easting:		748,111.00 usft	Longitude:	103° 31' 58.6703 W	
Position Uncertainty:		0.00 usft	Slot Radius:		13-3/16 "	Grid Convergence:	0.42 °

Well	Endurance 36 State Com 4H					
Well Position	+N/-S	0.00 usft	Northing:	365,025.00 usft	Latitude:	32° 0' 3.7511 N
	+E/-W	0.00 usft	Easting:	748,141.00 usft	Longitude:	103° 31' 58.3219 W
Position Uncertainty		0.00 usft	Wellhead Elevation:	usft	Ground Level:	3,336.00 usft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010_14	10/06/11	7.51	59.98	48,455

Design					Plan #3 082412				
Audit Notes:									
Version:		Phase:		PLAN		Tie On Depth:		0.00	
Vertical Section:		Depth From (TVD)		+N/S		+E-W		Direction	
		(usft)		(usft)		(usft)		(°)	
		0.00		0.00		0.00		0.44	

Survey Tool Program		Date 08/24/12		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
0.00	17,030.29	Plan #3 082412 (Wellbore #1)	MWD	MWD - Standard

Phoenix Technology Services
EOG Resources



Company:	EOG Resources	Local Co-ordinate Reference:	Well Endurance 36 State Com 4H
Project:	Lea County, NM (Nad27)	TVD Reference:	Well @ 3366.00usft (Original Well Elev + 30' KB)
Site:	Endurance 36 State Com	MD Reference:	Well @ 3366.00usft (Original Well Elev + 30' KB)
Well:	Endurance 36 State Com 4H	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Plan #3 082412	Database:	GCR DB v5000

Planned Survey

MD (usft)	Inc (°)	Azi (azimuth) (°)	TVDSS (usft)	TVD (usft)	N/S (usft)	E/W (usft)	V. Sec (usft)	DLeg (°/100usft)	Northing (usft)	Easting (usft)
0.00	0.00	0.00	-3,366.00	0.00	0.00	0.00	0.00	0.00	365,025.00	748,141.00
100.00	0.00	0.00	-3,266.00	100.00	0.00	0.00	0.00	0.00	365,025.00	748,141.00
200.00	0.00	0.00	-3,166.00	200.00	0.00	0.00	0.00	0.00	365,025.00	748,141.00
300.00	0.00	0.00	-3,066.00	300.00	0.00	0.00	0.00	0.00	365,025.00	748,141.00
400.00	0.00	0.00	-2,966.00	400.00	0.00	0.00	0.00	0.00	365,025.00	748,141.00
500.00	0.00	0.00	-2,866.00	500.00	0.00	0.00	0.00	0.00	365,025.00	748,141.00
600.00	0.00	0.00	-2,766.00	600.00	0.00	0.00	0.00	0.00	365,025.00	748,141.00
700.00	0.00	0.00	-2,666.00	700.00	0.00	0.00	0.00	0.00	365,025.00	748,141.00
800.00	0.00	0.00	-2,566.00	800.00	0.00	0.00	0.00	0.00	365,025.00	748,141.00
900.00	0.00	0.00	-2,466.00	900.00	0.00	0.00	0.00	0.00	365,025.00	748,141.00
1,000.00	0.00	0.00	-2,366.00	1,000.00	0.00	0.00	0.00	0.00	365,025.00	748,141.00
1,100.00	0.00	0.00	-2,266.00	1,100.00	0.00	0.00	0.00	0.00	365,025.00	748,141.00
1,200.00	0.00	0.00	-2,166.00	1,200.00	0.00	0.00	0.00	0.00	365,025.00	748,141.00
1,300.00	0.00	0.00	-2,066.00	1,300.00	0.00	0.00	0.00	0.00	365,025.00	748,141.00
1,400.00	0.00	0.00	-1,966.00	1,400.00	0.00	0.00	0.00	0.00	365,025.00	748,141.00
1,500.00	0.00	0.00	-1,866.00	1,500.00	0.00	0.00	0.00	0.00	365,025.00	748,141.00
1,600.00	0.00	0.00	-1,766.00	1,600.00	0.00	0.00	0.00	0.00	365,025.00	748,141.00
1,700.00	0.00	0.00	-1,666.00	1,700.00	0.00	0.00	0.00	0.00	365,025.00	748,141.00
1,800.00	0.00	0.00	-1,566.00	1,800.00	0.00	0.00	0.00	0.00	365,025.00	748,141.00
1,900.00	0.00	0.00	-1,466.00	1,900.00	0.00	0.00	0.00	0.00	365,025.00	748,141.00
2,000.00	0.00	0.00	-1,366.00	2,000.00	0.00	0.00	0.00	0.00	365,025.00	748,141.00
2,100.00	0.00	0.00	-1,266.00	2,100.00	0.00	0.00	0.00	0.00	365,025.00	748,141.00
2,200.00	0.00	0.00	-1,166.00	2,200.00	0.00	0.00	0.00	0.00	365,025.00	748,141.00
2,300.00	0.00	0.00	-1,066.00	2,300.00	0.00	0.00	0.00	0.00	365,025.00	748,141.00
2,400.00	0.00	0.00	-966.00	2,400.00	0.00	0.00	0.00	0.00	365,025.00	748,141.00
2,500.00	0.00	0.00	-866.00	2,500.00	0.00	0.00	0.00	0.00	365,025.00	748,141.00
2,600.00	0.00	0.00	-766.00	2,600.00	0.00	0.00	0.00	0.00	365,025.00	748,141.00

Phoenix Technology Services
EOG Resources



Company:	EOG Resources	Local Co-ordinate Reference:	Well Endurance 36 State Com 4H
Project:	Lea County, NM (Nad27)	TVD Reference:	Well @ 3366.00usft (Original Well Elev + 30' KB)
Site:	Endurance 36 State Com	MD Reference:	Well @ 3366.00usft (Original Well Elev + 30' KB)
Well:	Endurance 36 State Com 4H	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Plan #3 082412	Database:	GCR DB v5000

Planned Survey											
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVDSS (usft)	TVD (usft)	N/S (usft)	E/W (usft)	V. Sec (usft)	DLeg (°/100usft)	Northing (usft)	Easting (usft)	
2,700.00	0.00	0.00	-666.00	2,700.00	0.00	0.00	0.00	0.00	365,025.00	748,141.00	
2,800.00	0.00	0.00	-566.00	2,800.00	0.00	0.00	0.00	0.00	365,025.00	748,141.00	
2,900.00	0.00	0.00	-466.00	2,900.00	0.00	0.00	0.00	0.00	365,025.00	748,141.00	
3,000.00	0.00	0.00	-366.00	3,000.00	0.00	0.00	0.00	0.00	365,025.00	748,141.00	
3,100.00	0.00	0.00	-266.00	3,100.00	0.00	0.00	0.00	0.00	365,025.00	748,141.00	
3,200.00	0.00	0.00	-166.00	3,200.00	0.00	0.00	0.00	0.00	365,025.00	748,141.00	
3,300.00	0.00	0.00	-66.00	3,300.00	0.00	0.00	0.00	0.00	365,025.00	748,141.00	
3,400.00	0.00	0.00	34.00	3,400.00	0.00	0.00	0.00	0.00	365,025.00	748,141.00	
3,500.00	0.00	0.00	134.00	3,500.00	0.00	0.00	0.00	0.00	365,025.00	748,141.00	
3,600.00	0.00	0.00	234.00	3,600.00	0.00	0.00	0.00	0.00	365,025.00	748,141.00	
3,700.00	0.00	0.00	334.00	3,700.00	0.00	0.00	0.00	0.00	365,025.00	748,141.00	
3,800.00	0.00	0.00	434.00	3,800.00	0.00	0.00	0.00	0.00	365,025.00	748,141.00	
3,900.00	0.00	0.00	534.00	3,900.00	0.00	0.00	0.00	0.00	365,025.00	748,141.00	
4,000.00	0.00	0.00	634.00	4,000.00	0.00	0.00	0.00	0.00	365,025.00	748,141.00	
4,100.00	0.00	0.00	734.00	4,100.00	0.00	0.00	0.00	0.00	365,025.00	748,141.00	
4,200.00	0.00	0.00	834.00	4,200.00	0.00	0.00	0.00	0.00	365,025.00	748,141.00	
4,300.00	0.00	0.00	934.00	4,300.00	0.00	0.00	0.00	0.00	365,025.00	748,141.00	
4,400.00	0.00	0.00	1,034.00	4,400.00	0.00	0.00	0.00	0.00	365,025.00	748,141.00	
4,500.00	0.00	0.00	1,134.00	4,500.00	0.00	0.00	0.00	0.00	365,025.00	748,141.00	
4,600.00	0.00	0.00	1,234.00	4,600.00	0.00	0.00	0.00	0.00	365,025.00	748,141.00	
4,700.00	0.00	0.00	1,334.00	4,700.00	0.00	0.00	0.00	0.00	365,025.00	748,141.00	
4,800.00	0.00	0.00	1,434.00	4,800.00	0.00	0.00	0.00	0.00	365,025.00	748,141.00	
4,900.00	0.00	0.00	1,534.00	4,900.00	0.00	0.00	0.00	0.00	365,025.00	748,141.00	
5,000.00	0.00	0.00	1,634.00	5,000.00	0.00	0.00	0.00	0.00	365,025.00	748,141.00	
5,100.00	0.00	0.00	1,734.00	5,100.00	0.00	0.00	0.00	0.00	365,025.00	748,141.00	
5,200.00	0.00	0.00	1,834.00	5,200.00	0.00	0.00	0.00	0.00	365,025.00	748,141.00	
5,300.00	0.00	0.00	1,934.00	5,300.00	0.00	0.00	0.00	0.00	365,025.00	748,141.00	

Phoenix Technology Services
EOG Resources



Company:	EOG Resources	Local Co-ordinate Reference:	Well Endurance 36 State Com 4H
Project:	Lea County, NM (Nad27)	TVD Reference:	Well @ 3366.00usft (Original Well Elev + 30' KB)
Site:	Endurance 36 State Com	MD Reference:	Well @ 3366.00usft (Original Well Elev + 30' KB)
Well:	Endurance 36 State Com 4H	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Plan #3 082412	Database:	GCR DB v5000

Planned Survey

MD (usft)	Inc (°)	Azi (azimuth) (°)	TVDSS (usft)	TVD (usft)	N/S (usft)	E/W (usft)	V. Sec (usft)	DLog (°/100usft)	Northing (usft)	Easting (usft)
5,400.00	0.00	0.00	2,034.00	5,400.00	0.00	0.00	0.00	0.00	365,025.00	748,141.00
5,500.00	0.00	0.00	2,134.00	5,500.00	0.00	0.00	0.00	0.00	365,025.00	748,141.00
5,600.00	0.00	0.00	2,234.00	5,600.00	0.00	0.00	0.00	0.00	365,025.00	748,141.00
5,700.00	0.00	0.00	2,334.00	5,700.00	0.00	0.00	0.00	0.00	365,025.00	748,141.00
5,800.00	0.00	0.00	2,434.00	5,800.00	0.00	0.00	0.00	0.00	365,025.00	748,141.00
5,900.00	0.00	0.00	2,534.00	5,900.00	0.00	0.00	0.00	0.00	365,025.00	748,141.00
6,000.00	0.00	0.00	2,634.00	6,000.00	0.00	0.00	0.00	0.00	365,025.00	748,141.00
6,100.00	0.00	0.00	2,734.00	6,100.00	0.00	0.00	0.00	0.00	365,025.00	748,141.00
6,200.00	0.00	0.00	2,834.00	6,200.00	0.00	0.00	0.00	0.00	365,025.00	748,141.00
6,300.00	0.00	0.00	2,934.00	6,300.00	0.00	0.00	0.00	0.00	365,025.00	748,141.00
6,400.00	0.00	0.00	3,034.00	6,400.00	0.00	0.00	0.00	0.00	365,025.00	748,141.00
6,500.00	0.00	0.00	3,134.00	6,500.00	0.00	0.00	0.00	0.00	365,025.00	748,141.00
6,600.00	0.00	0.00	3,234.00	6,600.00	0.00	0.00	0.00	0.00	365,025.00	748,141.00
6,700.00	0.00	0.00	3,334.00	6,700.00	0.00	0.00	0.00	0.00	365,025.00	748,141.00
6,800.00	0.00	0.00	3,434.00	6,800.00	0.00	0.00	0.00	0.00	365,025.00	748,141.00
6,900.00	0.00	0.00	3,534.00	6,900.00	0.00	0.00	0.00	0.00	365,025.00	748,141.00
7,000.00	0.00	0.00	3,634.00	7,000.00	0.00	0.00	0.00	0.00	365,025.00	748,141.00
7,100.00	0.00	0.00	3,734.00	7,100.00	0.00	0.00	0.00	0.00	365,025.00	748,141.00
7,200.00	0.00	0.00	3,834.00	7,200.00	0.00	0.00	0.00	0.00	365,025.00	748,141.00
7,300.00	0.00	0.00	3,934.00	7,300.00	0.00	0.00	0.00	0.00	365,025.00	748,141.00
7,400.00	0.00	0.00	4,034.00	7,400.00	0.00	0.00	0.00	0.00	365,025.00	748,141.00
7,500.00	0.00	0.00	4,134.00	7,500.00	0.00	0.00	0.00	0.00	365,025.00	748,141.00
7,600.00	0.00	0.00	4,234.00	7,600.00	0.00	0.00	0.00	0.00	365,025.00	748,141.00
7,700.00	0.00	0.00	4,334.00	7,700.00	0.00	0.00	0.00	0.00	365,025.00	748,141.00
7,800.00	0.00	0.00	4,434.00	7,800.00	0.00	0.00	0.00	0.00	365,025.00	748,141.00
7,900.00	0.00	0.00	4,534.00	7,900.00	0.00	0.00	0.00	0.00	365,025.00	748,141.00
8,000.00	0.00	0.00	4,634.00	8,000.00	0.00	0.00	0.00	0.00	365,025.00	748,141.00

Phoenix Technology Services
EOG Resources



Company: EOG Resources
Project: Lea County, NM (Nad27)
Site: Endurance 36 State Com
Well: Endurance 36 State Com 4H
Wellbore: Wellbore #1
Design: Plan #3 082412

Local Co-ordinate Reference: Well Endurance 36 State Com 4H
TVD Reference: Well @ 3366.00usft (Original Well Elev + 30' KB)
MD Reference: Well @ 3366.00usft (Original Well Elev + 30' KB)
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: GCR DB v5000

Planned Survey

MD (usft)	Inc (°)	Azi (azimuth) (°)	TVDSS (usft)	TVD (usft)	N/S (usft)	E/W (usft)	V. Sac (usft)	DLeg (°/100usft)	Northing (usft)	Easting (usft)
8,100.00	0.00	0.00	4,734.00	8,100.00	0.00	0.00	0.00	0.00	365,025.00	748,141.00
8,200.00	0.00	0.00	4,834.00	8,200.00	0.00	0.00	0.00	0.00	365,025.00	748,141.00
8,300.00	0.00	0.00	4,934.00	8,300.00	0.00	0.00	0.00	0.00	365,025.00	748,141.00
8,400.00	0.00	0.00	5,034.00	8,400.00	0.00	0.00	0.00	0.00	365,025.00	748,141.00
8,500.00	0.00	0.00	5,134.00	8,500.00	0.00	0.00	0.00	0.00	365,025.00	748,141.00
8,600.00	0.00	0.00	5,234.00	8,600.00	0.00	0.00	0.00	0.00	365,025.00	748,141.00
8,700.00	0.00	0.00	5,334.00	8,700.00	0.00	0.00	0.00	0.00	365,025.00	748,141.00
8,800.00	0.00	0.00	5,434.00	8,800.00	0.00	0.00	0.00	0.00	365,025.00	748,141.00
8,900.00	0.00	0.00	5,534.00	8,900.00	0.00	0.00	0.00	0.00	365,025.00	748,141.00
9,000.00	0.00	0.00	5,634.00	9,000.00	0.00	0.00	0.00	0.00	365,025.00	748,141.00
9,100.00	0.00	0.00	5,734.00	9,100.00	0.00	0.00	0.00	0.00	365,025.00	748,141.00
9,200.00	0.00	0.00	5,834.00	9,200.00	0.00	0.00	0.00	0.00	365,025.00	748,141.00
9,300.00	0.00	0.00	5,934.00	9,300.00	0.00	0.00	0.00	0.00	365,025.00	748,141.00
9,400.00	0.00	0.00	6,034.00	9,400.00	0.00	0.00	0.00	0.00	365,025.00	748,141.00
9,500.00	0.00	0.00	6,134.00	9,500.00	0.00	0.00	0.00	0.00	365,025.00	748,141.00
9,522.54	0.00	0.00	6,156.54	9,522.54	0.00	0.00	0.00	0.00	365,025.00	748,141.00
Start Build 12.00										
9,600.00	9.30	0.44	6,233.66	9,599.66	6.27	0.05	6.27	12.00	365,031.27	748,141.05
9,700.00	21.30	0.44	6,329.94	9,695.94	32.60	0.25	32.60	12.00	365,057.60	748,141.25
9,800.00	33.30	0.44	6,418.64	9,784.64	78.37	0.61	78.38	12.00	365,103.37	748,141.61
9,900.00	45.30	0.44	6,495.89	9,861.89	141.59	1.10	141.59	12.00	365,166.59	748,142.10
10,000.00	57.30	0.44	6,558.31	9,924.31	219.48	1.70	219.49	12.00	365,244.48	748,142.70
10,100.00	69.30	0.44	6,603.16	9,969.16	308.65	2.39	308.66	12.00	365,333.65	748,143.39
10,200.00	81.30	0.44	6,628.50	9,994.50	405.20	3.14	405.21	12.00	365,430.20	748,144.14
10,272.54	90.00	0.44	6,634.00	10,000.00	477.45	3.70	477.46	12.00	365,502.45	748,144.70
Start 6757.75 hold at 10272.54 MD										
10,300.00	90.00	0.44	6,634.00	10,000.00	504.91	3.91	504.93	0.00	365,529.91	748,144.91

Phoenix Technology Services
EOG Resources



Company:	EOG Resources	Local Co-ordinate Reference:	Well Endurance 36 State Com 4H
Project:	Lea County, NM (Nad27)	TVD Reference:	Well @ 3366.00usft (Original Well Elev + 30' KB)
Site:	Endurance 36 State Com	MD Reference:	Well @ 3366.00usft (Original Well Elev + 30' KB)
Well:	Endurance 36 State Com 4H	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Plan #3 082412	Database:	GCR DB v5000

Planned Survey

MD (usft)	Inc (°)	Azi:(azimuth) (°)	TVDSS (usft)	TVD (usft)	N/S (usft)	E/W (usft)	V. Sec (usft)	DLeg (°/100usft)	Northing (usft)	Easting (usft)
10,400.00	90.00	0.44	6,634.00	10,000.00	604.91	4.68	604.93	0.00	365,629.91	748,145.68
10,500.00	90.00	0.44	6,634.00	10,000.00	704.91	5.46	704.93	0.00	365,729.91	748,146.46
10,600.00	90.00	0.44	6,634.00	10,000.00	804.91	6.23	804.93	0.00	365,829.91	748,147.23
10,700.00	90.00	0.44	6,634.00	10,000.00	904.90	7.00	904.93	0.00	365,929.90	748,148.00
10,800.00	90.00	0.44	6,634.00	10,000.00	1,004.90	7.78	1,004.93	0.00	366,029.90	748,148.78
10,900.00	90.00	0.44	6,634.00	10,000.00	1,104.90	8.55	1,104.93	0.00	366,129.90	748,149.55
11,000.00	90.00	0.44	6,634.00	10,000.00	1,204.89	9.33	1,204.93	0.00	366,229.89	748,150.33
11,100.00	90.00	0.44	6,634.00	10,000.00	1,304.89	10.10	1,304.93	0.00	366,329.89	748,151.10
11,200.00	90.00	0.44	6,634.00	10,000.00	1,404.89	10.87	1,404.93	0.00	366,429.89	748,151.87
11,300.00	90.00	0.44	6,634.00	10,000.00	1,504.88	11.65	1,504.93	0.00	366,529.88	748,152.65
11,400.00	90.00	0.44	6,634.00	10,000.00	1,604.88	12.42	1,604.93	0.00	366,629.88	748,153.42
11,500.00	90.00	0.44	6,634.00	10,000.00	1,704.88	13.20	1,704.93	0.00	366,729.88	748,154.20
11,600.00	90.00	0.44	6,634.00	10,000.00	1,804.88	13.97	1,804.93	0.00	366,829.88	748,154.97
11,700.00	90.00	0.44	6,634.00	10,000.00	1,904.87	14.74	1,904.93	0.00	366,929.87	748,155.74
11,800.00	90.00	0.44	6,634.00	10,000.00	2,004.87	15.52	2,004.93	0.00	367,029.87	748,156.52
11,900.00	90.00	0.44	6,634.00	10,000.00	2,104.87	16.29	2,104.93	0.00	367,129.87	748,157.29
12,000.00	90.00	0.44	6,634.00	10,000.00	2,204.86	17.07	2,204.93	0.00	367,229.86	748,158.07
12,100.00	90.00	0.44	6,634.00	10,000.00	2,304.86	17.84	2,304.93	0.00	367,329.86	748,158.84
12,200.00	90.00	0.44	6,634.00	10,000.00	2,404.86	18.61	2,404.93	0.00	367,429.86	748,159.61
12,300.00	90.00	0.44	6,634.00	10,000.00	2,504.85	19.39	2,504.93	0.00	367,529.85	748,160.39
12,400.00	90.00	0.44	6,634.00	10,000.00	2,604.85	20.16	2,604.93	0.00	367,629.85	748,161.16
12,500.00	90.00	0.44	6,634.00	10,000.00	2,704.85	20.94	2,704.93	0.00	367,729.85	748,161.94
12,600.00	90.00	0.44	6,634.00	10,000.00	2,804.85	21.71	2,804.93	0.00	367,829.85	748,162.71
12,700.00	90.00	0.44	6,634.00	10,000.00	2,904.84	22.48	2,904.93	0.00	367,929.84	748,163.48
12,800.00	90.00	0.44	6,634.00	10,000.00	3,004.84	23.26	3,004.93	0.00	368,029.84	748,164.26
12,900.00	90.00	0.44	6,634.00	10,000.00	3,104.84	24.03	3,104.93	0.00	368,129.84	748,165.03
13,000.00	90.00	0.44	6,634.00	10,000.00	3,204.83	24.81	3,204.93	0.00	368,229.83	748,165.81

Phoenix Technology Services
EOG Resources



Company:	EOG Resources	Local Co-ordinate Reference:	Well Endurance 36 State Com 4H
Project:	Lea County, NM (Nad27)	TVD Reference:	Well @ 3366.00usft (Original Well Elev + 30' KB)
Site:	Endurance 36 State Com	MD Reference:	Well @ 3366.00usft (Original Well Elev + 30' KB)
Well:	Endurance 36 State Com 4H	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Plan #3 082412	Database:	GCR DB v5000

Planned Survey

MD (usft)	Inc (°)	Azi (azimuth) (°)	TVDSS (usft)	TVD (usft)	N/S (usft)	E/W (usft)	V. Sec (usft)	DLeg (°/100usft)	Northing (usft)	Easting (usft)
13,100.00	90.00	0.44	6,634.00	10,000.00	3,304.83	25.58	3,304.93	0.00	368,329.83	748,166.58
13,200.00	90.00	0.44	6,634.00	10,000.00	3,404.83	26.35	3,404.93	0.00	368,429.83	748,167.35
13,300.00	90.00	0.44	6,634.00	10,000.00	3,504.82	27.13	3,504.93	0.00	368,529.82	748,168.13
13,400.00	90.00	0.44	6,634.00	10,000.00	3,604.82	27.90	3,604.93	0.00	368,629.82	748,168.90
13,500.00	90.00	0.44	6,634.00	10,000.00	3,704.82	28.68	3,704.93	0.00	368,729.82	748,169.68
13,600.00	90.00	0.44	6,634.00	10,000.00	3,804.82	29.45	3,804.93	0.00	368,829.82	748,170.45
13,700.00	90.00	0.44	6,634.00	10,000.00	3,904.81	30.22	3,904.93	0.00	368,929.81	748,171.22
13,800.00	90.00	0.44	6,634.00	10,000.00	4,004.81	31.00	4,004.93	0.00	369,029.81	748,172.00
13,900.00	90.00	0.44	6,634.00	10,000.00	4,104.81	31.77	4,104.93	0.00	369,129.81	748,172.77
14,000.00	90.00	0.44	6,634.00	10,000.00	4,204.80	32.55	4,204.93	0.00	369,229.80	748,173.55
14,100.00	90.00	0.44	6,634.00	10,000.00	4,304.80	33.32	4,304.93	0.00	369,329.80	748,174.32
14,200.00	90.00	0.44	6,634.00	10,000.00	4,404.80	34.09	4,404.93	0.00	369,429.80	748,175.09
14,300.00	90.00	0.44	6,634.00	10,000.00	4,504.79	34.87	4,504.93	0.00	369,529.79	748,175.87
14,400.00	90.00	0.44	6,634.00	10,000.00	4,604.79	35.64	4,604.93	0.00	369,629.79	748,176.64
14,500.00	90.00	0.44	6,634.00	10,000.00	4,704.79	36.42	4,704.93	0.00	369,729.79	748,177.42
14,600.00	90.00	0.44	6,634.00	10,000.00	4,804.79	37.19	4,804.93	0.00	369,829.79	748,178.19
14,700.00	90.00	0.44	6,634.00	10,000.00	4,904.78	37.96	4,904.93	0.00	369,929.78	748,178.96
14,800.00	90.00	0.44	6,634.00	10,000.00	5,004.78	38.74	5,004.93	0.00	370,029.78	748,179.74
14,900.00	90.00	0.44	6,634.00	10,000.00	5,104.78	39.51	5,104.93	0.00	370,129.78	748,180.51
15,000.00	90.00	0.44	6,634.00	10,000.00	5,204.77	40.29	5,204.93	0.00	370,229.77	748,181.29
15,100.00	90.00	0.44	6,634.00	10,000.00	5,304.77	41.06	5,304.93	0.00	370,329.77	748,182.06
15,200.00	90.00	0.44	6,634.00	10,000.00	5,404.77	41.83	5,404.93	0.00	370,429.77	748,182.83
15,300.00	90.00	0.44	6,634.00	10,000.00	5,504.76	42.61	5,504.93	0.00	370,529.76	748,183.61
15,400.00	90.00	0.44	6,634.00	10,000.00	5,604.76	43.38	5,604.93	0.00	370,629.76	748,184.38
15,500.00	90.00	0.44	6,634.00	10,000.00	5,704.76	44.16	5,704.93	0.00	370,729.76	748,185.16
15,600.00	90.00	0.44	6,634.00	10,000.00	5,804.76	44.93	5,804.93	0.00	370,829.76	748,185.93
15,700.00	90.00	0.44	6,634.00	10,000.00	5,904.75	45.70	5,904.93	0.00	370,929.75	748,186.70

Phoenix Technology Services
EOG Resources



Company:	EOG Resources	Local Co-ordinate Reference:	Well Endurance 36 State Com 4H
Project:	Lea County, NM (Nad27)	TVD Reference:	Well @ 3366.00usft (Original Well Elev + 30' KB)
Site:	Endurance 36 State Com	MD Reference:	Well @ 3366.00usft (Original Well Elev + 30' KB)
Well:	Endurance 36 State Com 4H	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Plan #3 082412	Database:	GCR DB v5000

Planned Survey											
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVDSS (usft)	TVD (usft)	N/S (usft)	E/W (usft)	V. Sec (usft)	DLeg (°/100usft)	Northing (usft)	Easting (usft)	
15,800.00	90.00	0.44	6,634.00	10,000.00	6,004.75	46.48	6,004.93	0.00	371,029.75	748,187.48	
15,900.00	90.00	0.44	6,634.00	10,000.00	6,104.75	47.25	6,104.93	0.00	371,129.75	748,188.25	
16,000.00	90.00	0.44	6,634.00	10,000.00	6,204.74	48.03	6,204.93	0.00	371,229.74	748,189.03	
16,100.00	90.00	0.44	6,634.00	10,000.00	6,304.74	48.80	6,304.93	0.00	371,329.74	748,189.80	
16,200.00	90.00	0.44	6,634.00	10,000.00	6,404.74	49.57	6,404.93	0.00	371,429.74	748,190.57	
16,300.00	90.00	0.44	6,634.00	10,000.00	6,504.73	50.35	6,504.93	0.00	371,529.73	748,191.35	
16,400.00	90.00	0.44	6,634.00	10,000.00	6,604.73	51.12	6,604.93	0.00	371,629.73	748,192.12	
16,500.00	90.00	0.44	6,634.00	10,000.00	6,704.73	51.90	6,704.93	0.00	371,729.73	748,192.90	
16,600.00	90.00	0.44	6,634.00	10,000.00	6,804.73	52.67	6,804.93	0.00	371,829.73	748,193.67	
16,700.00	90.00	0.44	6,634.00	10,000.00	6,904.72	53.44	6,904.93	0.00	371,929.72	748,194.44	
16,800.00	90.00	0.44	6,634.00	10,000.00	7,004.72	54.22	7,004.93	0.00	372,029.72	748,195.22	
16,900.00	90.00	0.44	6,634.00	10,000.00	7,104.72	54.99	7,104.93	0.00	372,129.72	748,195.99	
17,000.00	90.00	0.44	6,634.00	10,000.00	7,204.71	55.77	7,204.93	0.00	372,229.71	748,196.77	
17,030.29	90.00	0.44	6,634.00	10,000.00	7,235.00	56.00	7,235.22	0.00	372,260.00	748,197.00	
TD at 17030.29											

Plan Annotations				
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
9,522.54	9,522.54	0.00	0.00	Start Build 12.00
10,272.54	10,000.00	477.45	3.70	Start 6757.75 hold at 10272.54 MD
17,030.29	10,000.00	7,235.00	56.00	TD at 17030.29

Checked By: _____	Approved By: _____	Date: _____
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EOG RESOURCES, INC.
ENDURANCE 36 STATE COM 4H

ATTACHMENT TO EXHIBIT #1

1. Wear ring to be properly installed in head.
2. Blow out preventer and all fittings must be in good condition, 5000 psi W.P. minimum. Exhibit #1.
3. All fittings to be flanged
4. Safety valve must be available on rig floor at all times with proper connections, valve to be full bore 5000 psi W.P. minimum.
5. All choke and fill lines to be securely anchored especially ends of choke lines.
6. Equipment through which bit must pass shall be at least as large as the diameter of the casing being drilled through.
7. Kelly cock on kelly.
8. Extension wrenches and hand wheels to be properly installed.
9. Blow out preventer control to be located as close to driller's position as feasible.
10. Blow out preventer closing equipment to include minimum 40-gallon accumulator, two independent sources of pump power on each closing unit installation, and meet all API specifications.

Exhibit 1

EOG Resources

10M BOPE

Rig Floor

1. 13 5/8" Rotating Head
2. Hydril 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. 8" OD x 4" ID 10,000 PSI WP 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" 5,000 PSI WP Spacer Spools
16. Flow Line
17. 2" Fill Line

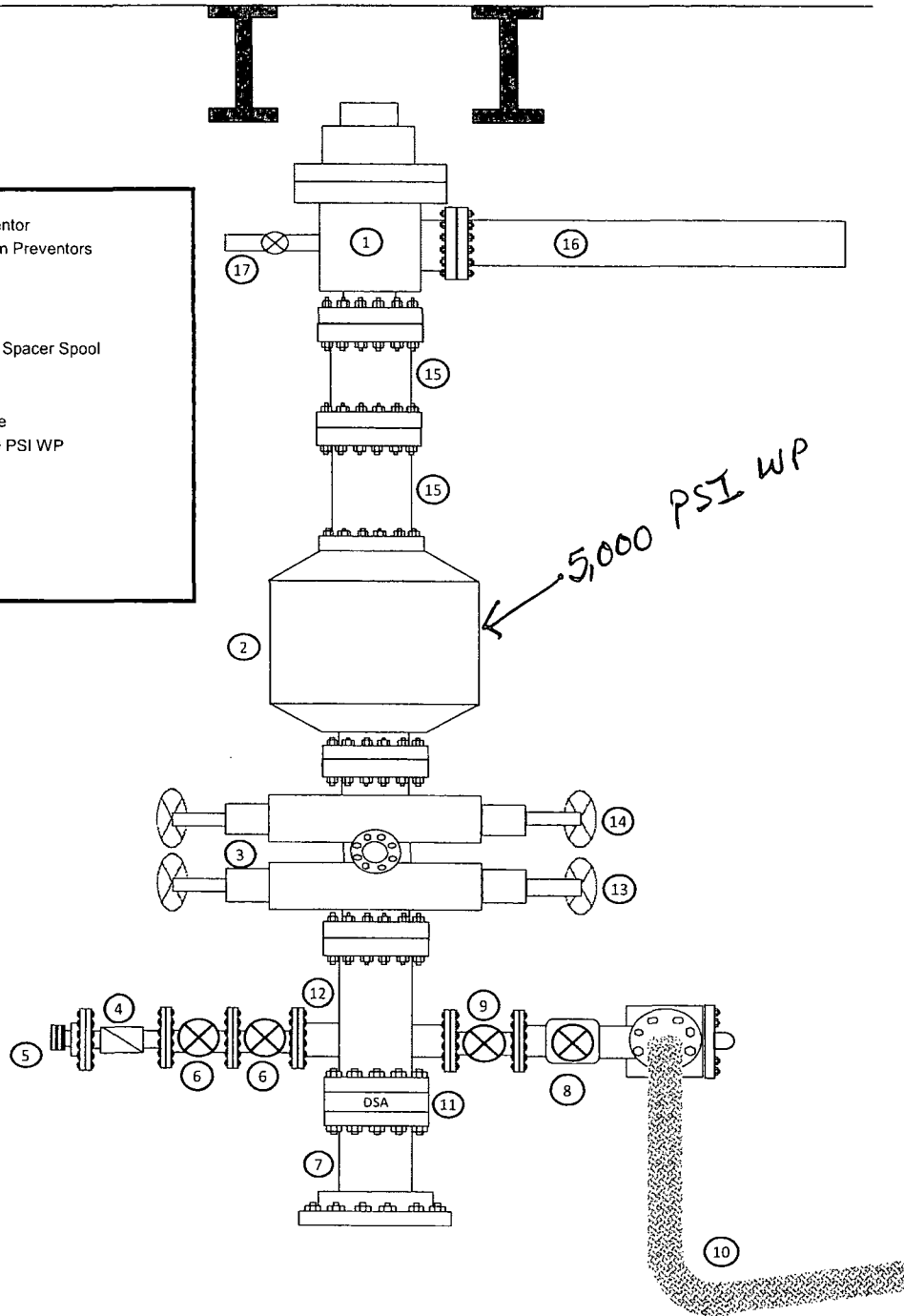
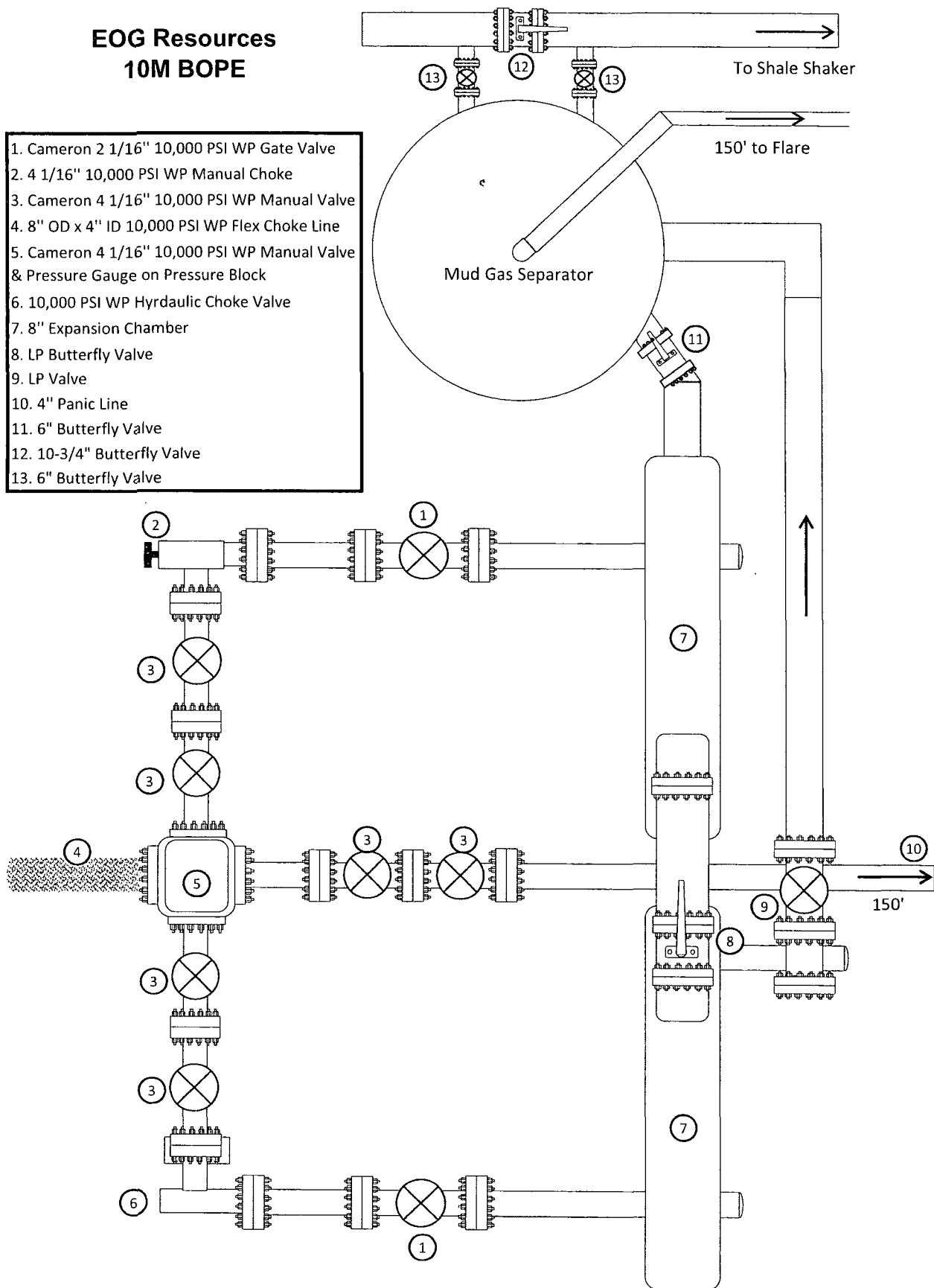


Exhibit 1a

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 Hyrdaulic 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.

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#90087 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

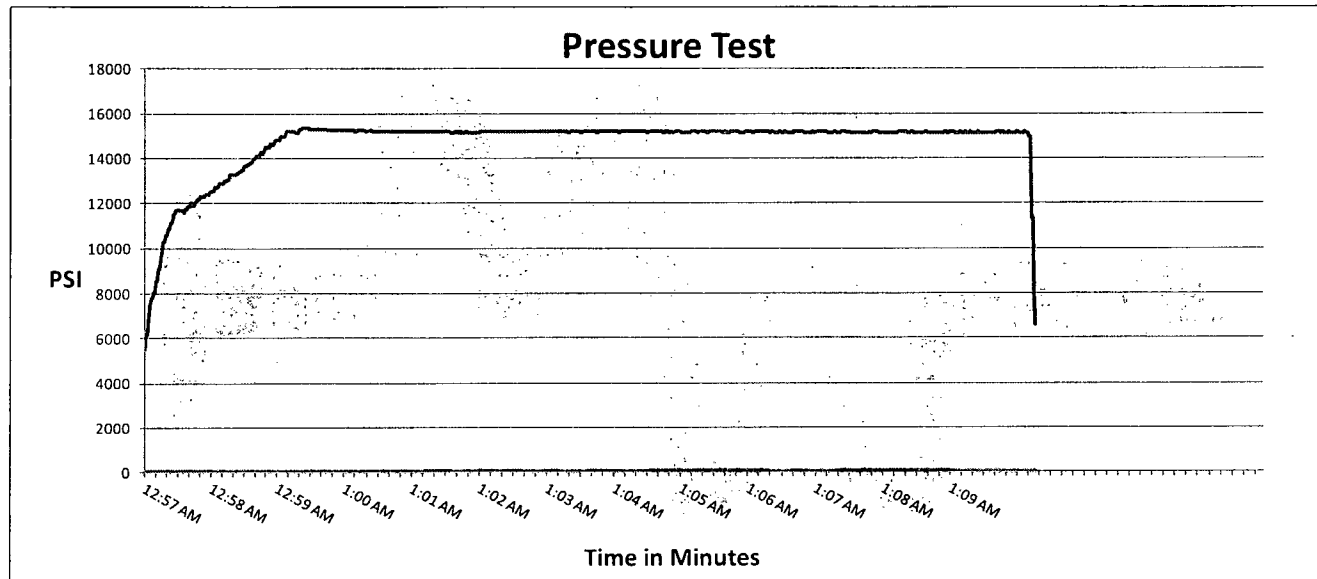
SALES ORDER# 90067

Hose Specifications

<u>Hose Type</u>	<u>Length</u>
C & K	35'
<u>I.D.</u>	<u>O.D.</u>
4"	8"
<u>Working Pressure</u>	<u>Burst Pressure</u>
10000 PSI	Standard Safety Multiplier Applies

Verification

<u>Type of Fitting</u>	<u>Coupling Method</u>
4 1/16 10K	Swage
<u>Die Size</u>	<u>Final O.D.</u>
6.62"	6.68"
<u>Hose Serial #</u>	<u>Hose Assembly Serial #</u>
	90067



Test Pressure
15000 PSI

Time Held at Test Pressure
11 1/4 Minutes

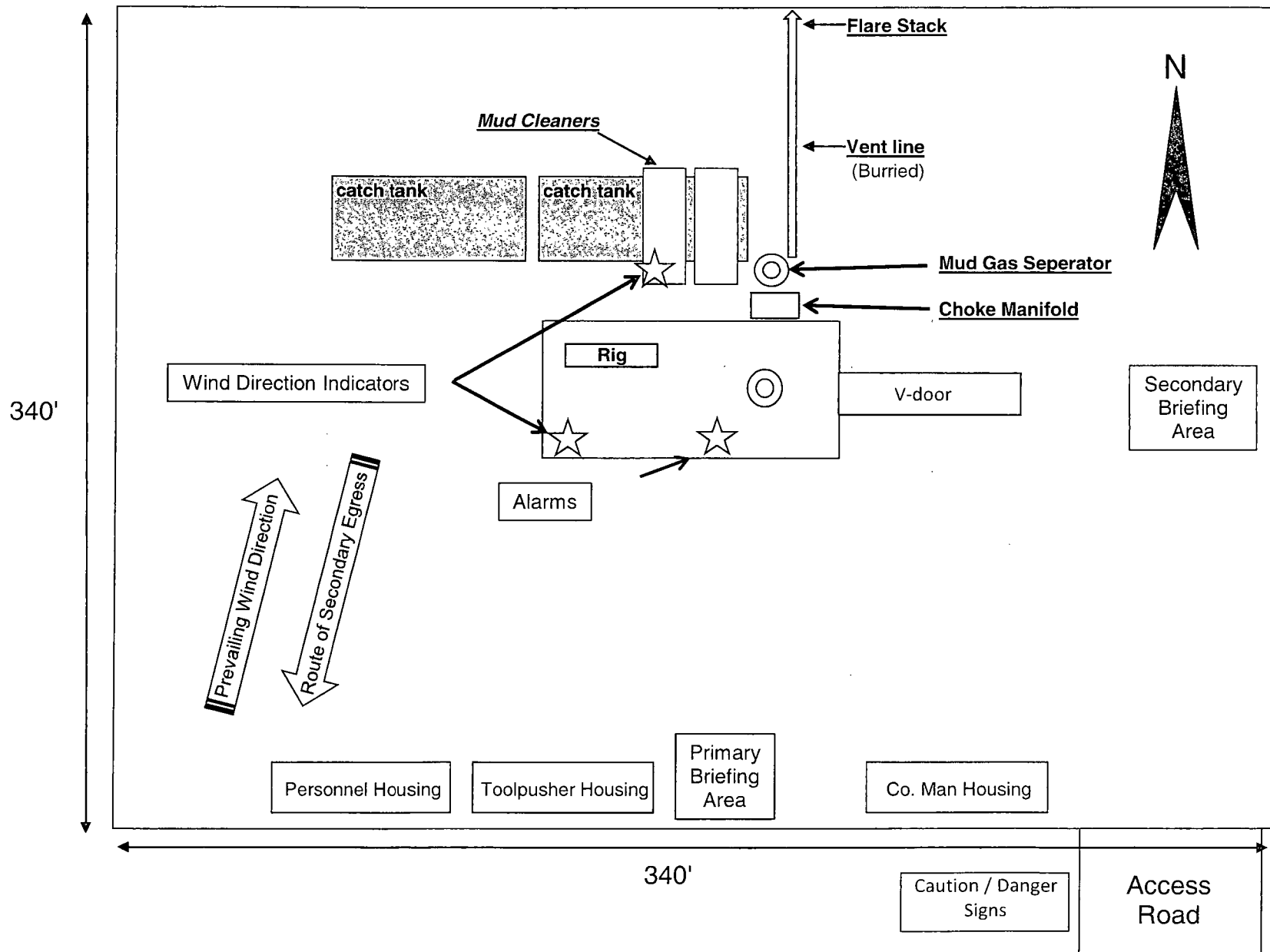
Actual Burst Pressure

Peak Pressure
15439 PSI

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

Tested By: Bobby Fink

Approved By: Mendi Jackson



EOG Resources
Endurance 36 State Com #4H

Well Site Diagram