

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

HOBBS OCD

JUL 28 2011

OCD Hobbs

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

APPLICATION FOR PERMIT TO DRILL OR REENTER

1a. Type of Work ☒ DRILL ☐ REENTER		5. Lease Serial No. NMI-21490 <i>BH NMI002865A</i>	
1b. Type of Well ☒ Oil Well ☐ Gas Well ☐ Other <i>Split Estate</i>		6. If Indian, Allottee or Tribe Name <i>NA</i>	
2. Name of Operator BOG Resources Inc.		7. Unit or CA Agreement Name and No.	
3a. Address P.O. Box 2267 Midland, Texas 79702		8. Lease Name and Well No. Fram 35 Fed Com 1H	
3b. Phone No. (include area code) 432-686-3689		9. API Well No. 30-025-40214 <i>KE</i>	
4. Location of Well (Report location clearly and in accordance with any State requirements)* At surface 210' FSL & 2160' FWL, U/L R, Sec 35, T26S, R33E <i>UNORTHODOX LOCATION</i>		10. Field <i>OK dm</i> <i>Bradley, Bone Spring</i> <i>7280</i>	
At proposed prod. zone 330' FNL & 1760' FWL, U/L C, Sec 26, T26S, R33E		11. Sec., T., R., M., or Blk. and Survey or Area Sec 35, T26S, R33E	
14. Distance in miles and direction from nearest town or post office* +/- 34 miles SW from Jal, NM		12. County or Parish Lea	13. State NM
15. Distance from proposed* location to nearest property or lease line, ft (Also to nearest drg unit line, if any) 210'	16. No. of Acres in lease 1305.20	17. Spacing Unit dedicated to this well 236.32	
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. 1291'	19. Proposed Depth Pilot hole 12,700' 16654' MD - 9590' VD	20. BLM/BIA Bond No. on file NM-2308	
21. Elevations (Show whether DF, KDB, RT, GL, etc.) 3319' GL	22. Approximate date work will start* 5/1/2011	23. Estimated duration 30 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 2/3/2011
Title Regulatory Analyst		
Approved by (Signature) <i>/s/ Don Peterson</i>	Name (Printed/Typed)	Date JUL 22 2011
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 USC 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

SEE ATTACHED FOR
CONDITIONS OF APPROVALAPPROVAL SUBJECT TO
GENERAL REQUIREMENTS AND
SPECIAL STIPULATIONS
ATTACHED

AUG 03 2011

Permit Information:

Well Name: Fram 35 Fed. Com No. 1H

Location:

SL: 210' FSL & 2160' FWL, Section 35, T-26-S, R-33-E, Lea Co., N.M.

BHL: 330' FNL & 1760' FWL, Section 26, T-26-S, R-33-E, Lea Co., N.M.

Casing Program:

Casing	Setting Depth	Bit Size	Bit Size	Casing Weight	Casing Grade	Desired TOC
Surface	900'	17-1/2"	13-3/8"	54.5#	J-55	Surface
Intermediate	4,000'	12-1/4"	9-5/8"	40#	J-55	Surface
	5,100'	12-1/4"	9-5/8"	40#	HCK-55	
Production	16,654'	8-3/4"	5-1/2"	20#	HCP-110 or P-110	4800'

Coupling?
etc.**Cement Program:**

Depth	No. Sacks	Wt. lb/gal	Yld Ft ³ /ft	Slurry Description
900'	350	13.5	1.74	Lead: Class 'C' + 4.00% Bentonite + 2.00% CaCl ₂ (TOC @ surface)
	200	14.8	1.34	Class C + 0.005 pps Static Free + 2% CaCl ₂ + 0.25 pps CelloFlake + 0.005 gps FP-6L
5,100'	750	12.7	2.22	Lead: Class 'C' + 2.00% SMS + 1.50% R-3 + 0.25 lb/sk Cello Flake + 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
12,700'	150	18.0	0.90	250' Btm Hole Plug - Class 'H' + 1.20% CD-31 + 0.20% R-3 + 5.00% Salt (1.252 lb/sk)
9,112'	350	18.0	0.90	600' Sidetrack Plug - Class 'H' + 1.20% CD-31 + 0.20% R-3 + 5.00% Salt (1.252 lb/sk)
16,654'	100	10.8	3.67	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 @ 4800')
	400	11.8	2.38	Lead: 50:50:10 Class 'H' + 0.80% FL-52A + 0.30% ASA-301 + 0.30% SMS + 2.00% Salt (2.259 lb/sk) + 0.20% R-21 + 0.25 lb/sk Cello Flake
	1925	14.2	1.28	Tail: 50:50:2 Class 'H' + 0.30% FL-52A + 0.20% CD-32 + 0.35% SMS + 5.00% Salt (2.454 lb/sk) + 0.45% R-3 + 0.005 lb/sk Static Free

See
COA

Cement volumes based on bit size + 25% excess.

Mud Program:

Depth	Type	Weight (ppg)	Viscosity	Water Loss
0 – 900'	Fresh - Gel	8.6-8.8	28-34	N/c
900' – 5,100'	Brine	10.0-10.2	28-34	N/c
5,100' – 8,500'	Fresh Water	8.4-8.6	28-34	N/c
8,500' – 12,700'	Cut Brine	9.0-9.5	28-34	N/c
Pilot hole				
9,112' – 16,654'	Cut Brine	9.0-9.5	28-34	N/c
Lateral				

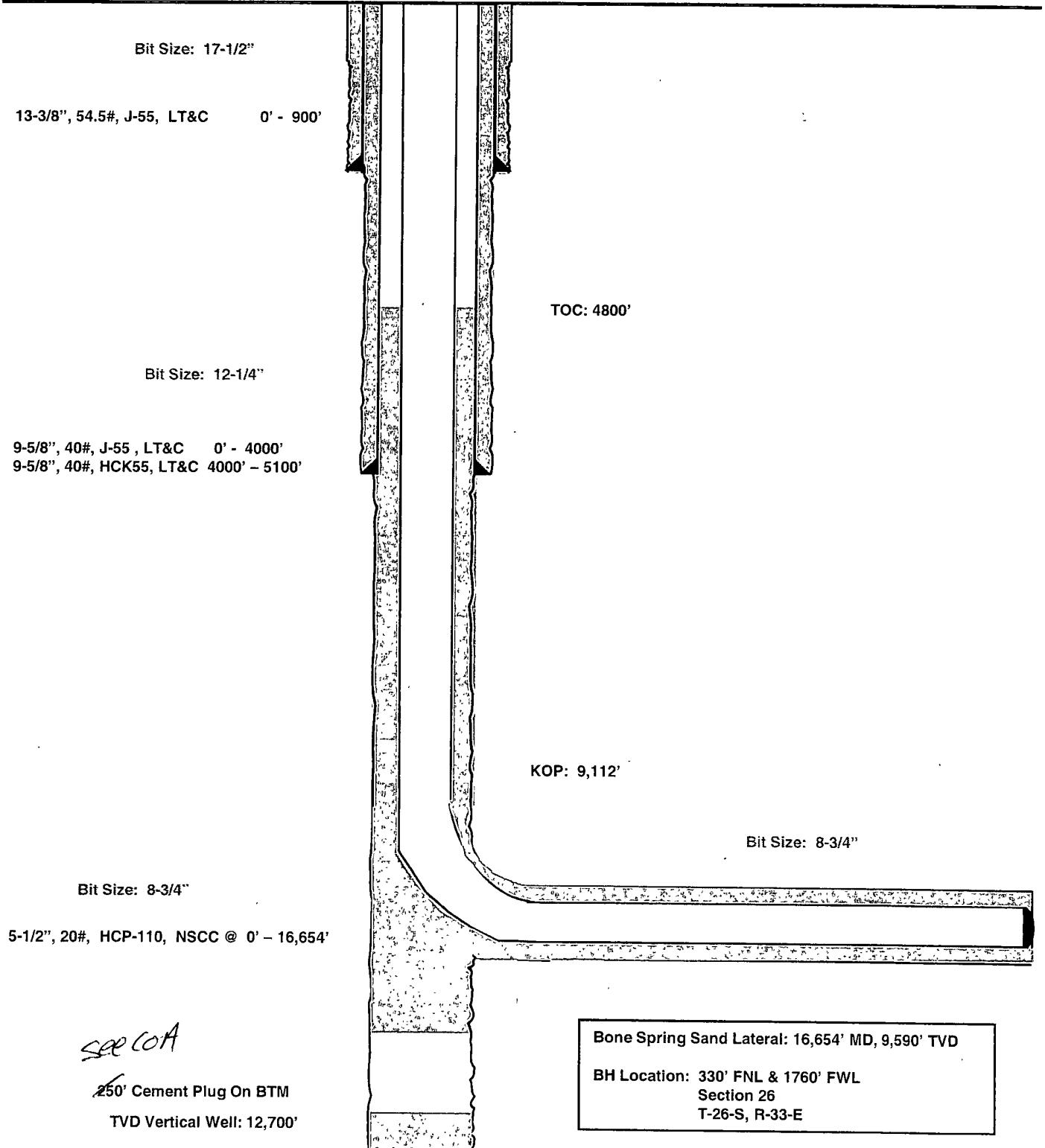
Fram 35 Fed. Com #1H
Red Hills
Lea County, New Mexico

210' FSL
2160' FWL
Section 35
T-26-S, R-33-E

Proposed Wellbore

API: 30-025-

KB: 3,349.2'
GL: 3,319.2'



EOG RESOURCES, INC.
FRAM 35 FED. COM NO. 1H

HOBBS OCD

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1. GEOLOGIC NAME OF SURFACE FORMATION:

Permian

2. ESTIMATED TOPS OF IMPORTANT GEOLOGICAL MARKERS:

Rustler	830'
Top of Salt	1,340'
Base of Salt	4,900'
Lamar	5,134'
Bell Canyon	5,163'
Cherry Canyon	6,214'
Brushy Canyon	7,764'
Bone Spring Lime	9,354'
1 st Bone Spring Sand	10,290'
2 nd Bone Spring Sand	10,740'
3 rd Bone Spring Sand	12,000'
Pilot hole TD	12,700'

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

Upper Permian Sands	0- 400'	Fresh Water
Lamar	5,134'	Oil
Brushy Canyon	7,764'	Oil
Bone Spring Lime	9,354'	Oil
1 st Bone Spring Sand	10,290'	Oil
2 nd Bone Spring Sand	10,740'	Oil
3 rd Bone Spring Sand	12,000'	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

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	J55	1.125	1.25	1.60
12.25"	0-4000'	9.625"	40#	J55	LTC	1.125	1.25	1.60
12.25"	4000'-5100'	9.625"	40#	HCK55	LTC	1.125	1.25	1.60
8.75"	0'-16,654'	5.5"	20#	HCP110 or P-110	NSCC	1.125	1.25	1.60

EOG RESOURCES, INC.
FRAM 35 FED. COM NO. 1H

Cementing Program:

Depth	No. Sacks	Wt. lb/gal	Yld Ft ³ /ft	Slurry Description
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	200	14.8	1.34	Class C + 0.005 pps Static Free + 2% CaCl ₂ + 0.25 pps CelloFlake + 0.005 gps FP-6L
5,100'	750	12.7	2.22	Lead: Class 'C' + 2.00% SMS + 1.50% R-3 + 0.25 lb/sk Cello Flake + 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
12,700'	150	18.0	0.90	250' Btm Hole Plug - Class 'H' + 1.20% CD-31 + 0.20% R-3 + 5.00% Salt (1.252 lb/sk)
9,112'	350	18.0	0.90	600' Sidetrack Plug - Class 'H' + 1.20% CD-31 + 0.20% R-3 + 5.00% Salt (1.252 lb/sk)
16,654'	100	10.8	3.67	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 @ 4800')
	400	11.8	2.38	Lead: 50:50:10 Class 'H' + 0.80% FL-52A + 0.30% ASA-301 + 0.30% SMS + 2.00% Salt (2.259 lb/sk) + 0.20% R-21 + 0.25 lb/sk Cello Flake
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Cement volumes based on bit size + 25% excess.

5. MINIMUM SPECIFICATIONS FOR PRESSURE CONTROL:

(SEE EXHIBIT #1)

The blowout preventer equipment (BOP) shown in Exhibit #1 will consist of a double ram-type (5000 psi WP) preventer and an annular preventer (5000-psi WP). Units will be hydraulically operated and the ram-type will be equipped with blind rams on bottom and drill pipe rams on top. All BOP's and accessory equipment will be tested in accordance with Onshore Oil & Gas order No. 2. Prior to drilling out of the surface casing, the BOP's will be tested to 2000/250 psig. 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 2500/ 250 psig.

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.

Hydraulically operated choke will not be installed prior to the setting and cementing of the intermediate casing string, but will be installed prior to drilling out of the intermediate casing shoe.

EOG RESOURCES, INC.
FRAM 35 FED. COM NO. 1H

6. TYPES AND CHARACTERISTICS OF THE PROPOSED MUD SYSTEM:

The well will be drilled to TD with a combination of fresh water, and brine water with polymer sweeps. The applicable depths and properties of this system are as follows:

Depth	Type	Weight (ppg)	Viscosity	Water Loss
0 – 900'	Fresh - Gel	8.6-8.8	28-34	N/c
900' – 5,100'	Brine	10.0-10.2	28-34	N/c
5,100' – 8,500'	Fresh Water	8.4-8.6	28-34	N/c
8,500' – 12,700'	Cut Brine	9.0-9.5	28-34	N/c
Pilot hole				
9,112' – 16,654'	Cut Brine	9.0-9.5	28-34	N/c
Lateral				

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) A mud logging unit will be continuously monitoring drill penetration rate and hydrocarbon shows from 900' to TD.

(D) H₂S monitoring and detection equipment will be utilized from 900' to TD.

8. LOGGING, TESTING AND CORING PROGRAM:

See 10A

Open-hole logging is anticipated in the 8-3/4" hole section. The logging suites for this hole section are listed below:

NGT–CNL–LDT w/ Pe From TD to previous casing shoe. At casing pull GR – Neutron to surface.

HR Laterolog Array From TD to previous casing shoe.

FMI Possible in the production hole

EOG RESOURCES, INC.
FRAM 35 FED. COM NO. 1H

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

The estimated bottom hole temperature (BHT) at TD is 170 degrees F with an estimated maximum bottom-hole pressure (BHP) at TD of 4700 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 two months. If the well is productive, an additional 30-60 days will be required for completion and testing before a decision is made to install permanent facilities.



EOG Resources, Inc.

Lea County

Fram "35" Fed. Com

#1H

OH

HOBBS OCD

JUL 28 2011

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Plan: Plan #1

Pathfinder X & Y Planning Report

29 November, 2010

PATHFINDER®

A Schlumberger Company



Pathfinder
Pathfinder X & Y Planning Report

PATHFINDER
A Schlumberger Company

Company: EOG Resources, Inc.
Project: Lea County
Site: Fram "35" Fed Com
Well: #1H
Wellbore: OH
Design: Plan #1

Local Co-ordinate Reference: Well #1H
TVD Reference: WELL @ 3349.20ft (30' KB Correction) Cactus #12
MD Reference: WELL @ 3349 20ft (30' KB Correction) Cactus #12
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: Midland Database

Project: Lea County

Map System: US State Plane 1927 (Exact solution)
Geo Datum: NAD 1927 (NADCON CONUS)
Map Zone: New Mexico East 3001

System Datum: Mean Sea Level

Site: Fram "35" Fed. Com

Site Position:	Northings:	364,878.400 ft	Latitude:	32° 0' 2.556 N
From: Map	Easting:	744,628.100 ft	Longitude:	103° 32' 39.127 W
Position Uncertainty: 0.00 ft	Slot Radius:	"	Grid Convergence:	0.42 °

Well: #1H

Well Position	+N-S	0.00 ft	Northings:	364,878.400 ft	Latitude:	32° 0' 2.556 N
	+E-W	0.00 ft	Easting:	744,628.100 ft	Longitude:	103° 32' 39.127 W
Position Uncertainty		0.00 ft	Wellhead Elevation:	ft	Ground Level:	3,319.20 ft

Wellbore: OH

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF200510	11/29/10	7.61	60.02	48,573

Design: Plan #1

Audit Notes:

Version: Phase: PLAN Tie On Depth: 0.00

Vertical Section:	Depth From (TVD) (ft)	+N-S (ft)	+E-W (ft)	Direction (°)
	0.00	0.00	0.00	356.42

Survey Tool Program: Date 11/29/10

From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description
0.00	16,654.43	Plan #1 (OH)	MWD	MWD - Standard



Pathfinder
Pathfinder X & Y Planning Report

PATHFINDER
A Schlumberger Company

Company: EOG Resources, Inc
Project: Lea County:
Site: Fram "35" Fed. Com
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Wellbore: OH
Design: Plan #1

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MD Reference: WELL @ 3349.20ft (30' KB Correction Cactus #12
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: Midland Database

Planned Survey

MD (ft)	Inc (°)	Azi (°)	TVD (ft)	TVDSS (ft)	N/S (ft)	E/W (ft)	V. Sec (ft)	DLeg (%/100ft)	Northing (ft)	Easting (ft)
0.00	0.00	0.00	0.00	-3,349.20	0.00	0.00	0.00	0.00	364,878.40	744,628.10
100.00	0.00	0.00	100.00	-3,249.20	0.00	0.00	0.00	0.00	364,878.40	744,628.10
200.00	0.00	0.00	200.00	-3,149.20	0.00	0.00	0.00	0.00	364,878.40	744,628.10
300.00	0.00	0.00	300.00	-3,049.20	0.00	0.00	0.00	0.00	364,878.40	744,628.10
400.00	0.00	0.00	400.00	-2,949.20	0.00	0.00	0.00	0.00	364,878.40	744,628.10
500.00	0.00	0.00	500.00	-2,849.20	0.00	0.00	0.00	0.00	364,878.40	744,628.10
600.00	0.00	0.00	600.00	-2,749.20	0.00	0.00	0.00	0.00	364,878.40	744,628.10
700.00	0.00	0.00	700.00	-2,649.20	0.00	0.00	0.00	0.00	364,878.40	744,628.10
800.00	0.00	0.00	800.00	-2,549.20	0.00	0.00	0.00	0.00	364,878.40	744,628.10
900.00	0.00	0.00	900.00	-2,449.20	0.00	0.00	0.00	0.00	364,878.40	744,628.10
1,000.00	0.00	0.00	1,000.00	-2,349.20	0.00	0.00	0.00	0.00	364,878.40	744,628.10
1,100.00	0.00	0.00	1,100.00	-2,249.20	0.00	0.00	0.00	0.00	364,878.40	744,628.10
1,200.00	0.00	0.00	1,200.00	-2,149.20	0.00	0.00	0.00	0.00	364,878.40	744,628.10
1,300.00	0.00	0.00	1,300.00	-2,049.20	0.00	0.00	0.00	0.00	364,878.40	744,628.10
1,400.00	0.00	0.00	1,400.00	-1,949.20	0.00	0.00	0.00	0.00	364,878.40	744,628.10
1,500.00	0.00	0.00	1,500.00	-1,849.20	0.00	0.00	0.00	0.00	364,878.40	744,628.10
1,600.00	0.00	0.00	1,600.00	-1,749.20	0.00	0.00	0.00	0.00	364,878.40	744,628.10
1,700.00	0.00	0.00	1,700.00	-1,649.20	0.00	0.00	0.00	0.00	364,878.40	744,628.10
1,800.00	0.00	0.00	1,800.00	-1,549.20	0.00	0.00	0.00	0.00	364,878.40	744,628.10
1,900.00	0.00	0.00	1,900.00	-1,449.20	0.00	0.00	0.00	0.00	364,878.40	744,628.10
2,000.00	0.00	0.00	2,000.00	-1,349.20	0.00	0.00	0.00	0.00	364,878.40	744,628.10
2,100.00	0.00	0.00	2,100.00	-1,249.20	0.00	0.00	0.00	0.00	364,878.40	744,628.10
2,200.00	0.00	0.00	2,200.00	-1,149.20	0.00	0.00	0.00	0.00	364,878.40	744,628.10
2,300.00	0.00	0.00	2,300.00	-1,049.20	0.00	0.00	0.00	0.00	364,878.40	744,628.10
2,400.00	0.00	0.00	2,400.00	-949.20	0.00	0.00	0.00	0.00	364,878.40	744,628.10
2,500.00	0.00	0.00	2,500.00	-849.20	0.00	0.00	0.00	0.00	364,878.40	744,628.10
2,600.00	0.00	0.00	2,600.00	-749.20	0.00	0.00	0.00	0.00	364,878.40	744,628.10



Pathfinder
Pathfinder X & Y Planning Report

PATHFINDER
A Schlumberger Company

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Project: Lea County
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Well: #1H
Wellbore: OH
Design: Plan #1

Local Co-ordinate Reference: Well #1H
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Survey Calculation Method: Minimum Curvature
Database: Midland Database

Planned Survey

MD (ft)	Inc (°)	Azi (°)	TVD (ft)	TVDSS (ft)	N/S (ft)	E/W (ft)	V. Sec (ft)	DI Leg (°/100ft)	Northing (ft)	Easting (ft)
2,700.00	0 00	0 00	2,700.00	-649.20	0 00	0 00	0.00	0.00	364,878.40	744,628.10
2,800.00	0 00	0.00	2,800.00	-549.20	0 00	0 00	0.00	0.00	364,878.40	744,628.10
2,900.00	0 00	0.00	2,900.00	-449.20	0 00	0 00	0.00	0.00	364,878.40	744,628.10
3,000.00	0 00	0.00	3,000.00	-349.20	0.00	0.00	0.00	0.00	364,878.40	744,628.10
3,100.00	0.00	0 00	3,100.00	-249.20	0 00	0 00	0.00	0.00	364,878.40	744,628.10
3,200.00	0.00	0 00	3,200.00	-149.20	0 00	0.00	0.00	0.00	364,878.40	744,628.10
3,300.00	0 00	0 00	3,300.00	-49.20	0 00	0.00	0.00	0.00	364,878.40	744,628.10
3,400.00	0 00	0.00	3,400.00	50.80	0 00	0.00	0.00	0.00	364,878.40	744,628.10
3,500.00	0 00	0 00	3,500.00	150.80	0 00	0 00	0.00	0.00	364,878.40	744,628.10
3,600.00	0 00	0.00	3,600.00	250.80	0 00	0 00	0.00	0.00	364,878.40	744,628.10
3,700.00	0 00	0 00	3,700.00	350.80	0.00	0 00	0.00	0.00	364,878.40	744,628.10
3,800.00	0 00	0 00	3,800.00	450.80	0 00	0 00	0.00	0.00	364,878.40	744,628.10
3,900.00	0.00	0.00	3,900.00	550.80	0 00	0.00	0.00	0.00	364,878.40	744,628.10
4,000.00	0.00	0.00	4,000.00	650.80	0.00	0.00	0.00	0.00	364,878.40	744,628.10
4,100.00	0.00	0 00	4,100.00	750.80	0.00	0.00	0.00	0.00	364,878.40	744,628.10
4,200.00	0.00	0.00	4,200.00	850.80	0.00	0.00	0.00	0.00	364,878.40	744,628.10
4,300.00	0 00	0.00	4,300.00	950.80	0 00	0 00	0.00	0.00	364,878.40	744,628.10
4,400.00	0 00	0 00	4,400.00	1,050.80	0.00	0.00	0.00	0.00	364,878.40	744,628.10
4,500.00	0.00	0 00	4,500.00	1,150.80	0.00	0.00	0.00	0.00	364,878.40	744,628.10
4,600.00	0.00	0 00	4,600.00	1,250.80	0 00	0.00	0.00	0.00	364,878.40	744,628.10
4,700.00	0.00	0 00	4,700.00	1,350.80	0 00	0 00	0.00	0.00	364,878.40	744,628.10
4,800.00	0 00	0 00	4,800.00	1,450.80	0.00	0 00	0.00	0.00	364,878.40	744,628.10
4,900.00	0 00	0 00	4,900.00	1,550.80	0.00	0 00	0.00	0.00	364,878.40	744,628.10
5,000.00	0 00	0 00	5,000.00	1,650.80	0 00	0 00	0.00	0.00	364,878.40	744,628.10
5,100.00	0 00	0 00	5,100.00	1,750.80	0.00	0.00	0.00	0.00	364,878.40	744,628.10
5,200.00	0.00	0.00	5,200.00	1,850.80	0 00	0 00	0.00	0.00	364,878.40	744,628.10
5,300.00	0.00	0 00	5,300.00	1,950.80	0 00	0 00	0.00	0.00	364,878.40	744,628.10



Pathfinder
Pathfinder X & Y Planning Report

PATHFINDER
A Schlumberger Company

Company: EOG Resources, Inc.
Project: Lea County
Site: Fram "35" Fed. Com
Well: #1H
Wellbore: OH
Design: Plan #1

Local Co-ordinate Reference: Well #1H
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Planned Survey

MD (ft)	Inc (°)	Azi (°)	TVD (ft)	TVDSS (ft)	N/S (ft)	E/W (ft)	V-Sec (ft)	DLeg (°/100ft)	Northing (ft)	Easting (ft)
5,400.00	0.00	0.00	5,400.00	2,050.80	0.00	0.00	0.00	0.00	364,878.40	744,628.10
5,500.00	0.00	0.00	5,500.00	2,150.80	0.00	0.00	0.00	0.00	364,878.40	744,628.10
5,600.00	0.00	0.00	5,600.00	2,250.80	0.00	0.00	0.00	0.00	364,878.40	744,628.10
5,700.00	0.00	0.00	5,700.00	2,350.80	0.00	0.00	0.00	0.00	364,878.40	744,628.10
5,800.00	0.00	0.00	5,800.00	2,450.80	0.00	0.00	0.00	0.00	364,878.40	744,628.10
5,900.00	0.00	0.00	5,900.00	2,550.80	0.00	0.00	0.00	0.00	364,878.40	744,628.10
6,000.00	0.00	0.00	6,000.00	2,650.80	0.00	0.00	0.00	0.00	364,878.40	744,628.10
6,100.00	0.00	0.00	6,100.00	2,750.80	0.00	0.00	0.00	0.00	364,878.40	744,628.10
6,200.00	0.00	0.00	6,200.00	2,850.80	0.00	0.00	0.00	0.00	364,878.40	744,628.10
6,300.00	0.00	0.00	6,300.00	2,950.80	0.00	0.00	0.00	0.00	364,878.40	744,628.10
6,400.00	0.00	0.00	6,400.00	3,050.80	0.00	0.00	0.00	0.00	364,878.40	744,628.10
6,500.00	0.00	0.00	6,500.00	3,150.80	0.00	0.00	0.00	0.00	364,878.40	744,628.10
6,600.00	0.00	0.00	6,600.00	3,250.80	0.00	0.00	0.00	0.00	364,878.40	744,628.10
6,700.00	0.00	0.00	6,700.00	3,350.80	0.00	0.00	0.00	0.00	364,878.40	744,628.10
6,800.00	0.00	0.00	6,800.00	3,450.80	0.00	0.00	0.00	0.00	364,878.40	744,628.10
6,900.00	0.00	0.00	6,900.00	3,550.80	0.00	0.00	0.00	0.00	364,878.40	744,628.10
7,000.00	0.00	0.00	7,000.00	3,650.80	0.00	0.00	0.00	0.00	364,878.40	744,628.10
7,100.00	0.00	0.00	7,100.00	3,750.80	0.00	0.00	0.00	0.00	364,878.40	744,628.10
7,200.00	0.00	0.00	7,200.00	3,850.80	0.00	0.00	0.00	0.00	364,878.40	744,628.10
7,300.00	0.00	0.00	7,300.00	3,950.80	0.00	0.00	0.00	0.00	364,878.40	744,628.10
7,400.00	0.00	0.00	7,400.00	4,050.80	0.00	0.00	0.00	0.00	364,878.40	744,628.10
7,500.00	0.00	0.00	7,500.00	4,150.80	0.00	0.00	0.00	0.00	364,878.40	744,628.10
7,600.00	0.00	0.00	7,600.00	4,250.80	0.00	0.00	0.00	0.00	364,878.40	744,628.10
7,700.00	0.00	0.00	7,700.00	4,350.80	0.00	0.00	0.00	0.00	364,878.40	744,628.10
7,800.00	0.00	0.00	7,800.00	4,450.80	0.00	0.00	0.00	0.00	364,878.40	744,628.10
7,900.00	0.00	0.00	7,900.00	4,550.80	0.00	0.00	0.00	0.00	364,878.40	744,628.10
8,000.00	0.00	0.00	8,000.00	4,650.80	0.00	0.00	0.00	0.00	364,878.40	744,628.10



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8,100.00	0.00	0.00	8,100.00	4,750.80	0.00	0.00	0.00	0.00	364,878.40	744,628.10
8,200.00	0.00	0.00	8,200.00	4,850.80	0.00	0.00	0.00	0.00	364,878.40	744,628.10
8,300.00	0.00	0.00	8,300.00	4,950.80	0.00	0.00	0.00	0.00	364,878.40	744,628.10
8,400.00	0.00	0.00	8,400.00	5,050.80	0.00	0.00	0.00	0.00	364,878.40	744,628.10
8,500.00	0.00	0.00	8,500.00	5,150.80	0.00	0.00	0.00	0.00	364,878.40	744,628.10
8,600.00	0.00	0.00	8,600.00	5,250.80	0.00	0.00	0.00	0.00	364,878.40	744,628.10
8,700.00	0.00	0.00	8,700.00	5,350.80	0.00	0.00	0.00	0.00	364,878.40	744,628.10
8,800.00	0.00	0.00	8,800.00	5,450.80	0.00	0.00	0.00	0.00	364,878.40	744,628.10
8,900.00	0.00	0.00	8,900.00	5,550.80	0.00	0.00	0.00	0.00	364,878.40	744,628.10
9,000.00	0.00	0.00	9,000.00	5,650.80	0.00	0.00	0.00	0.00	364,878.40	744,628.10
9,100.00	0.00	0.00	9,100.00	5,750.80	0.00	0.00	0.00	0.00	364,878.40	744,628.10
9,112.50	0.00	0.00	9,112.50	5,763.30	0.00	0.00	0.00	0.00	364,878.40	744,628.10
9,125.00	1.50	356.42	9,125.00	5,775.80	0.16	-0.01	0.16	12.00	364,878.56	744,628.09
9,150.00	4.50	356.42	9,149.96	5,800.76	1.47	-0.09	1.47	12.00	364,879.87	744,628.01
9,175.00	7.50	356.42	9,174.82	5,825.62	4.08	-0.26	4.08	12.00	364,882.48	744,627.84
9,200.00	10.50	356.42	9,199.51	5,850.31	7.98	-0.50	7.99	12.00	364,886.38	744,627.60
9,225.00	13.50	356.42	9,223.96	5,874.76	13.17	-0.82	13.19	12.00	364,891.57	744,627.28
9,250.00	16.50	356.42	9,248.11	5,898.91	19.62	-1.23	19.66	12.00	364,898.02	744,626.87
9,275.00	19.50	356.42	9,271.88	5,922.68	27.33	-1.71	27.38	12.00	364,905.73	744,626.39
9,300.00	22.50	356.42	9,295.22	5,946.02	36.27	-2.27	36.34	12.00	364,914.67	744,625.83
9,325.00	25.50	356.42	9,318.05	5,968.85	46.42	-2.90	46.51	12.00	364,924.82	744,625.20
9,350.00	28.50	356.42	9,340.33	5,991.13	57.74	-3.61	57.86	12.00	364,936.14	744,624.49
9,375.00	31.50	356.42	9,361.98	6,012.78	70.22	-4.39	70.35	12.00	364,948.62	744,623.71
9,400.00	34.50	356.42	9,382.94	6,033.74	83.80	-5.24	83.97	12.00	364,962.20	744,622.86
9,425.00	37.50	356.42	9,403.17	6,053.97	98.47	-6.16	98.66	12.00	364,976.87	744,621.94
9,450.00	40.50	356.42	9,422.59	6,073.39	114.17	-7.14	114.39	12.00	364,992.57	744,620.96
9,475.00	43.50	356.42	9,441.17	6,091.97	130.86	-8.19	131.12	12.00	365,009.26	744,619.91



Pathfinder

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Planned Survey

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9,500.00	46.50	356.42	9,458.85	6,109.65	148.50	-9.29	148.79	12.00	365,026.90	744,618.81
9,525.00	49.50	356.42	9,475.57	6,126.37	167.04	-10.45	167.37	12.00	365,045.44	744,617.65
9,550.00	52.50	356.42	9,491.31	6,142.11	186.43	-11.66	186.79	12.00	365,064.83	744,616.44
9,575.00	55.50	356.42	9,506.00	6,156.80	206.61	-12.93	207.01	12.00	365,085.01	744,615.17
9,600.00	58.50	356.42	9,519.62	6,170.42	227.53	-14.24	227.98	12.00	365,105.93	744,613.86
9,625.00	61.50	356.42	9,532.12	6,182.92	249.14	-15.59	249.62	12.00	365,127.54	744,612.51
9,650.00	64.50	356.42	9,543.47	6,194.27	271.36	-16.98	271.90	12.00	365,149.76	744,611.12
9,675.00	67.50	356.42	9,553.64	6,204.44	294.16	-18.40	294.73	12.00	365,172.56	744,609.70
9,700.00	70.49	356.42	9,562.60	6,213.40	317.45	-19.86	318.07	12.00	365,195.85	744,608.24
9,725.00	73.49	356.42	9,570.32	6,221.12	341.17	-21.35	341.84	12.00	365,219.57	744,606.75
9,750.00	76.49	356.42	9,576.80	6,227.60	365.27	-22.85	365.98	12.00	365,243.67	744,605.25
9,775.00	79.49	356.42	9,582.00	6,232.80	389.67	-24.38	390.43	12.00	365,268.07	744,603.72
9,800.00	82.49	356.42	9,585.91	6,236.71	414.31	-25.92	415.12	12.00	365,292.71	744,602.18
9,825.00	85.49	356.42	9,588.52	6,239.32	439.12	-27.47	439.98	12.00	365,317.52	744,600.63
9,850.00	88.49	356.42	9,589.83	6,240.63	464.04	-29.03	464.95	12.00	365,342.44	744,599.07
9,862.56	90.00	356.42	9,590.00	6,240.80	476.57	-29.82	477.50	12.00	365,354.97	744,598.28
9,900.00	90.00	356.42	9,590.00	6,240.80	513.94	-32.15	514.94	0.00	365,392.34	744,595.95
10,000.00	90.00	356.42	9,590.00	6,240.80	613.74	-38.40	614.94	0.00	365,492.14	744,589.70
10,100.00	90.00	356.42	9,590.00	6,240.80	713.55	-44.64	714.94	0.00	365,591.95	744,583.46
10,200.00	90.00	356.42	9,590.00	6,240.80	813.35	-50.89	814.94	0.00	365,691.75	744,577.21
10,300.00	90.00	356.42	9,590.00	6,240.80	913.16	-57.13	914.94	0.00	365,791.56	744,570.97
10,400.00	90.00	356.42	9,590.00	6,240.80	1,012.96	-63.38	1,014.94	0.00	365,891.36	744,564.72
10,500.00	90.00	356.42	9,590.00	6,240.80	1,112.77	-69.62	1,114.94	0.00	365,991.17	744,558.48
10,600.00	90.00	356.42	9,590.00	6,240.80	1,212.57	-75.86	1,214.94	0.00	366,090.97	744,552.24
10,700.00	90.00	356.42	9,590.00	6,240.80	1,312.38	-82.11	1,314.94	0.00	366,190.78	744,545.99
10,800.00	90.00	356.42	9,590.00	6,240.80	1,412.18	-88.35	1,414.94	0.00	366,290.58	744,539.75
10,900.00	90.00	356.42	9,590.00	6,240.80	1,511.99	-94.60	1,514.94	0.00	366,390.39	744,533.50



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11,000.00	90 00	356.42	9,590.00	6,240.80	1,611.79	-100.84	1,614.94	0.00	366,490.19	744,527.26
11,100.00	90 00	356.42	9,590.00	6,240.80	1,711.60	-107.08	1,714.94	0.00	366,590.00	744,521.02
11,200.00	90 00	356.42	9,590.00	6,240.80	1,811.40	-113.33	1,814.94	0.00	366,689.80	744,514.77
11,300.00	90 00	356.42	9,590.00	6,240.80	1,911.21	-119.57	1,914.94	0.00	366,789.61	744,508.53
11,400.00	90 00	356.42	9,590.00	6,240.80	2,011.01	-125.82	2,014.94	0.00	366,889.41	744,502.28
11,500.00	90.00	356.42	9,590.00	6,240.80	2,110.82	-132.06	2,114.94	0.00	366,989.22	744,496.04
11,600.00	90 00	356.42	9,590.00	6,240.80	2,210.62	-138.31	2,214.94	0.00	367,089.02	744,489.79
11,700.00	90.00	356.42	9,590.00	6,240.80	2,310.43	-144.55	2,314.94	0.00	367,188.83	744,483.55
11,800.00	90 00	356.42	9,590.00	6,240.80	2,410.23	-150.79	2,414.94	0.00	367,288.63	744,477.31
11,900.00	90 00	356.42	9,590.00	6,240.80	2,510.04	-157.04	2,514.94	0.00	367,388.44	744,471.06
12,000.00	90.00	356.42	9,590.00	6,240.80	2,609.84	-163.28	2,614.94	0.00	367,488.24	744,464.82
12,100.00	90.00	356.42	9,590.00	6,240.80	2,709.65	-169.53	2,714.94	0.00	367,588.05	744,458.57
12,200.00	90 00	356.42	9,590.00	6,240.80	2,809.45	-175.77	2,814.94	0.00	367,687.85	744,452.33
12,300.00	90 00	356.42	9,590.00	6,240.80	2,909.26	-182.02	2,914.94	0.00	367,787.66	744,446.08
12,400.00	90 00	356.42	9,590.00	6,240.80	3,009.06	-188.26	3,014.94	0.00	367,887.46	744,439.84
12,500.00	90.00	356.42	9,590.00	6,240.80	3,108.87	-194.50	3,114.94	0.00	367,987.27	744,433.60
12,600.00	90.00	356.42	9,590.00	6,240.80	3,208.67	-200.75	3,214.94	0.00	368,087.07	744,427.35
12,700.00	90.00	356.42	9,590.00	6,240.80	3,308.48	-206.99	3,314.94	0.00	368,186.88	744,421.11
12,800.00	90 00	356.42	9,590.00	6,240.80	3,408.28	-213.24	3,414.94	0.00	368,286.68	744,414.86
12,900.00	90 00	356.42	9,590.00	6,240.80	3,508.09	-219.48	3,514.94	0.00	368,386.49	744,408.62
13,000.00	90 00	356.42	9,590.00	6,240.80	3,607.89	-225.72	3,614.94	0.00	368,486.29	744,402.38
13,100.00	90.00	356.42	9,590.00	6,240.80	3,707.70	-231.97	3,714.94	0.00	368,586.10	744,396.13
13,200.00	90.00	356.42	9,590.00	6,240.80	3,807.50	-238.21	3,814.94	0.00	368,685.90	744,389.89
13,300.00	90.00	356.42	9,590.00	6,240.80	3,907.31	-244.46	3,914.94	0.00	368,785.71	744,383.64
13,400.00	90.00	356.42	9,590.00	6,240.80	4,007.11	-250.70	4,014.94	0.00	368,885.51	744,377.40
13,500.00	90 00	356.42	9,590.00	6,240.80	4,106.91	-256.95	4,114.94	0.00	368,985.31	744,371.15
13,600.00	90.00	356.42	9,590.00	6,240.80	4,206.72	-263.19	4,214.94	0.00	369,085.12	744,364.91



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13,700.00	90 00	356 42	9,590.00	6,240.80	4,306 52	-269.43	4,314 94	0.00	369,184 92	744,358.67
13,800.00	90.00	356.42	9,590.00	6,240.80	4,406.33	-275 68	4,414.94	0.00	369,284 73	744,352.42
13,900.00	90 00	356 42	9,590.00	6,240.80	4,506 13	-281 92	4,514.94	0 00	369,384 53	744,346 18
14,000.00	90.00	356 42	9,590.00	6,240.80	4,605 94	-288 17	4,614 94	0.00	369,484 34	744,339 93
14,100.00	90.00	356.42	9,590.00	6,240 80	4,705.74	-294.41	4,714.94	0.00	369,584 14	744,333 69
14,200.00	90 00	356.42	9,590.00	6,240 80	4,805 55	-300.66	4,814.94	0.00	369,683 95	744,327 44
14,300.00	90.00	356 42	9,590.00	6,240.80	4,905 35	-306.90	4,914.94	0 00	369,783.75	744,321 20
14,400.00	90.00	356 42	9,590.00	6,240 80	5,005.16	-313.14	5,014 94	0.00	369,883.56	744,314.96
14,500.00	90.00	356 42	9,590.00	6,240 80	5,104.96	-319.39	5,114.94	0.00	369,983 36	744,308 71
14,600.00	90 00	356.42	9,590.00	6,240 80	5,204 77	-325 63	5,214.94	0 00	370,083 17	744,302 47
14,700.00	90 00	356 42	9,590.00	6,240.80	5,304.57	-331.88	5,314 94	0.00	370,182 97	744,296 22
14,800.00	90 00	356 42	9,590.00	6,240 80	5,404 38	-338.12	5,414.94	0 00	370,282.78	744,289.98
14,900.00	90.00	356.42	9,590.00	6,240 80	5,504 18	-344 36	5,514 94	0.00	370,382.58	744,283 74
15,000.00	90 00	356 42	9,590.00	6,240.80	5,603 99	-350.61	5,614 94	0.00	370,482.39	744,277.49
15,100.00	90 00	356.42	9,590.00	6,240.80	5,703.79	-356.85	5,714.94	0.00	370,582.19	744,271.25
15,200.00	90.00	356.42	9,590.00	6,240 80	5,803.60	-363 10	5,814 94	0 00	370,682.00	744,265.00
15,300.00	90 00	356 42	9,590.00	6,240.80	5,903 40	-369 34	5,914.94	0.00	370,781.80	744,258 76
15,400.00	90.00	356 42	9,590.00	6,240 80	6,003 21	-375 59	6,014.94	0 00	370,881.61	744,252.51
15,500.00	90 00	356 42	9,590.00	6,240 80	6,103 01	-381 83	6,114 94	0 00	370,981.41	744,246 27
15,600.00	90 00	356 42	9,590.00	6,240 80	6,202.82	-388 07	6,214 94	0.00	371,081.22	744,240.03
15,700.00	90 00	356 42	9,590.00	6,240.80	6,302 62	-394.32	6,314 94	0 00	371,181 02	744,233 78
15,800.00	90 00	356 42	9,590.00	6,240.80	6,402 43	-400.56	6,414 94	0 00	371,280 83	744,227.54
15,900.00	90.00	356 42	9,590.00	6,240.80	6,502 23	-406 81	6,514 94	0.00	371,380 63	744,221.29
16,000.00	90 00	356 42	9,590.00	6,240 80	6,602 04	-413 05	6,614.94	0 00	371,480 44	744,215 05
16,100.00	90 00	356.42	9,590.00	6,240 80	6,701 84	-419 30	6,714.94	0 00	371,580.24	744,208.80
16,200.00	90 00	356 42	9,590.00	6,240.80	6,801 65	-425.54	6,814 94	0 00	371,680 05	744,202 56
16,300.00	90.00	356 42	9,590.00	6,240 80	6,901 45	-431.78	6,914 94	0.00	371,779 85	744,196.32



Pathfinder Pathfinder X & Y Planning Report

PATHFINDER
A Schlumberger Company

Company: EOG Resources, Inc.
Project: Lea County
Site: Fram "35" Fed. Com
Well: #1H
Wellbore: OH
Design: Plan #1

Local Co-ordinate Reference: Well #1H
TVD Reference: WELL @ 3349 20ft (30' KB Correction Cactus #12
MD Reference: WELL @ 3349 20ft (30' KB Correction Cactus #12
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: Midland Database

Planned Survey

MD (ft)	Inc (°)	Azi (°)	TVD (ft)	TVDSS (ft)	N/S (ft)	E/W (ft)	V-Sec (ft)	DLeg (°/100ft)	Northing (ft)	Easting (ft)
16,400.00	90.00	356.42	9,590.00	6,240.80	7,001.26	-438.03	7,014.94	0.00	371,879.66	744,190.07
16,500.00	90.00	356.42	9,590.00	6,240.80	7,101.06	-444.27	7,114.94	0.00	371,979.46	744,183.83
16,600.00	90.00	356.42	9,590.00	6,240.80	7,200.87	-450.52	7,214.94	0.00	372,079.27	744,177.58
16,654.43	90.00	356.42	9,590.00	6,240.80	7,255.19	-453.92	7,269.37	0.00	372,133.59	744,174.18

Targets

Target Name	Dip Angle (°)	Dip Dir (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
- hit/miss target - Shape PBHL(Fram 35#1H) - plan hits target center - Point	0.00	0.00	9,590.00	7,255.20	-453.70	372,133.600	744,174.400	32° 1' 14.385 N	103° 32' 43.781 W

Checked By: _____ Approved By: _____ Date: _____



Project: Lea County
Site: Fram "35" Fed. Com
Well: #1H
Wellbore: OH
Plan: Plan #1 (#1H/OH)



Azimuths to Grid North
True North: -0.42°
Magnetic North: 7.19°

Magnetic Field
Strength: 48572.7snT
Dip Angle: 60.02°
Date: 11/29/2010
Model: IGRF200510

PATHFINDER
A Schlumberger Company

WELL DETAILS #1H						
Ground Elevation: 3319.20						
RKB Elevation: WELL @ 3349.20ft (30' KB Correction Cactus #123)						
Rig Name: 30' KB Correction Cactus #123						
+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
0.00	0.00	364878.400	744628.100	32° 0' 2.556" N	103° 32' 39.127" W	

SECTION DETAILS									
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	9112.50	0.00	0.00	9112.50	0.00	0.00	0.00	0.00	0.00
3	9862.56	90.00	356.42	9590.00	476.57	-29.82	12.00	356.42	477.50
4	16654.43	90.00	356.42	9590.00	7255.19	-453.92	0.00	0.00	7269.37

PROJECT DETAILS: Lea County
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
Local North: Grid

LEGEND

• Plan #1

WELLBORE TARGET DETAILS (MAP CO-ORDINATES)						
Name	TVD	+N/-S	+E/-W	Northing	Easting	Shape Point
PBHL(Fram 35#1H)	7255.20	7255.20	-453.70	372133.600	744174.400	

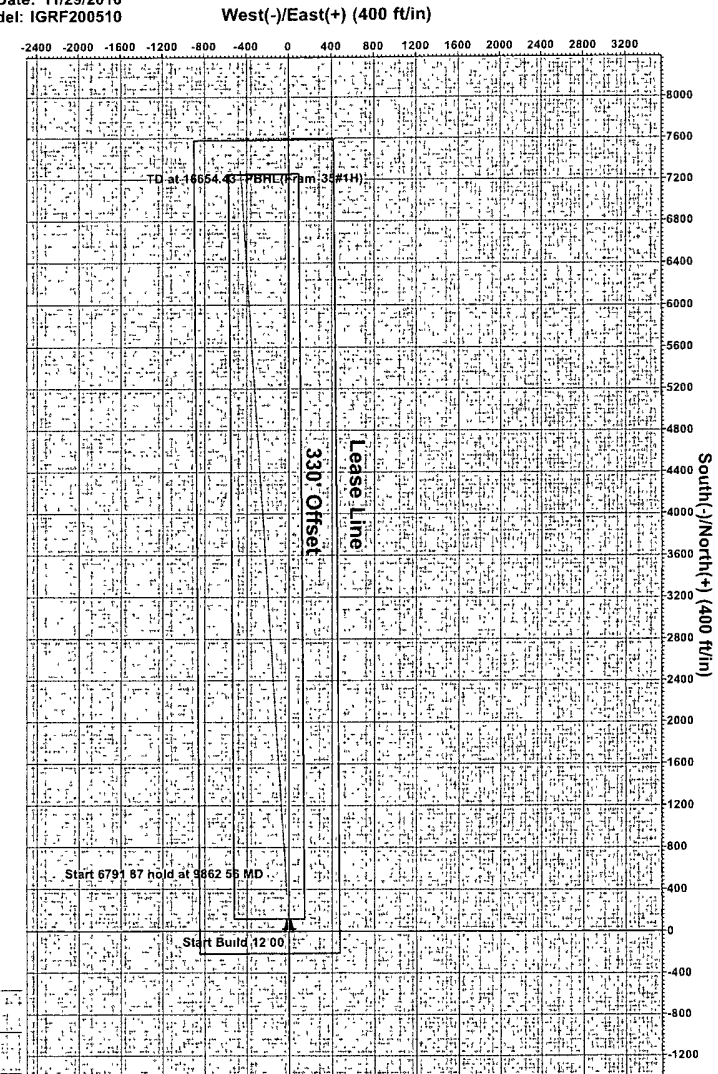
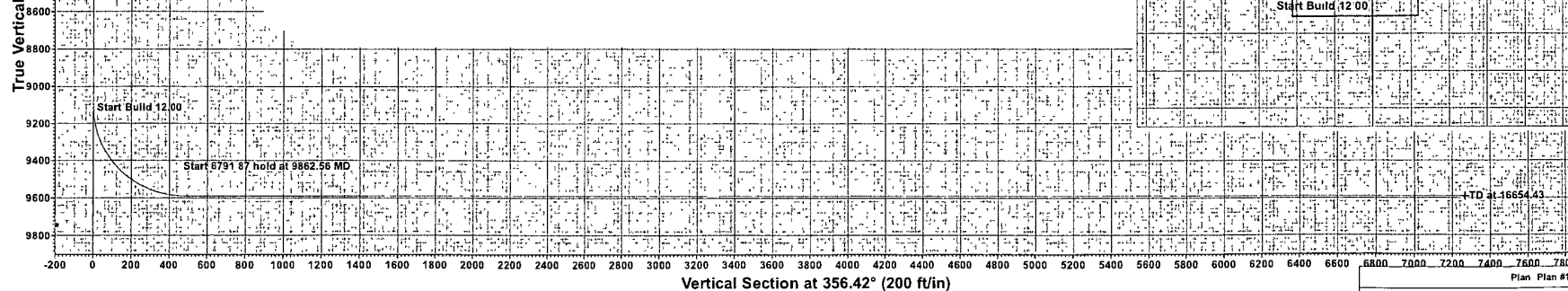
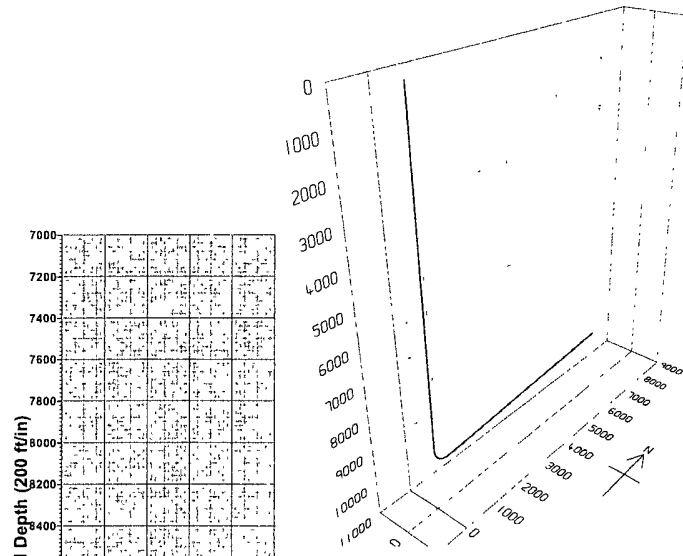
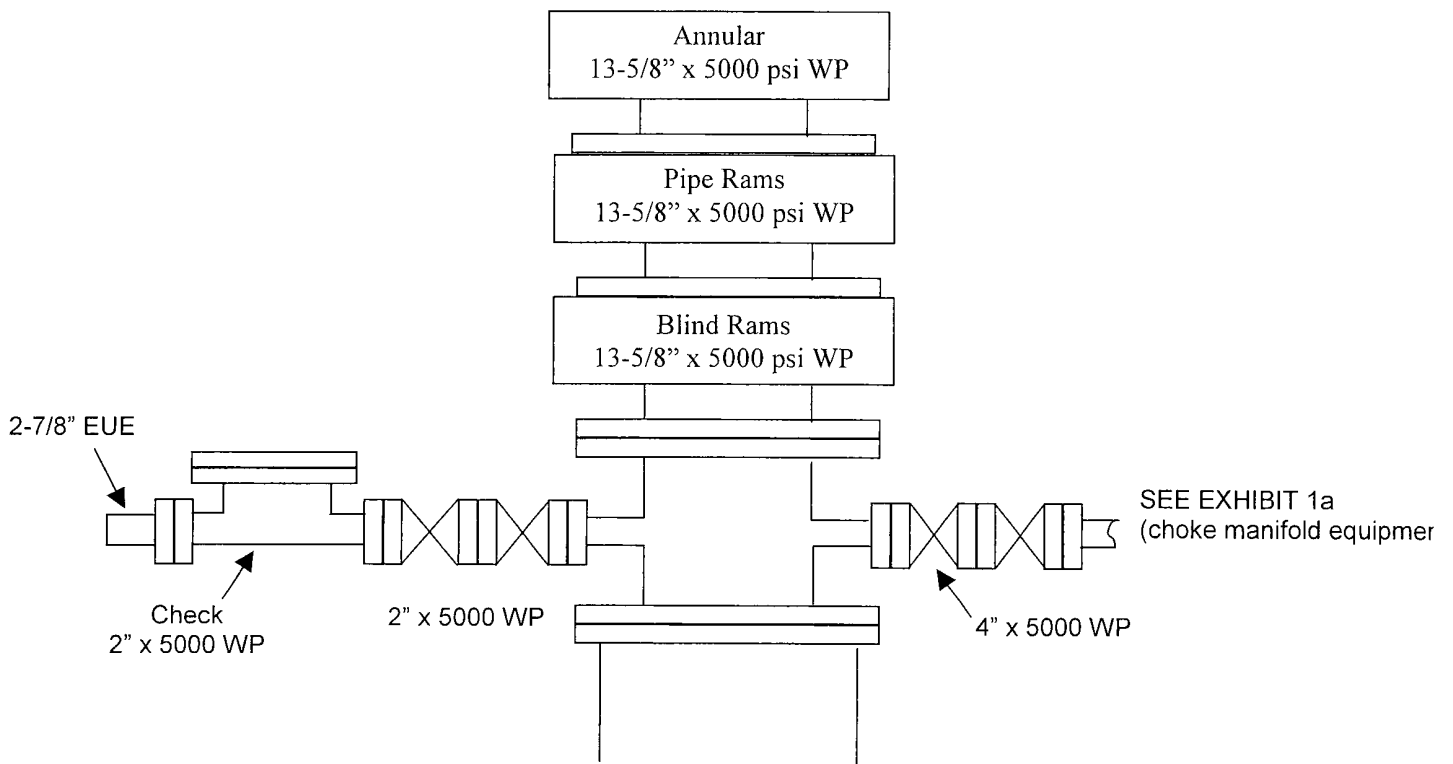


EXHIBIT 1

EOG Resources
Fram 35 Fed. Com No. 1H

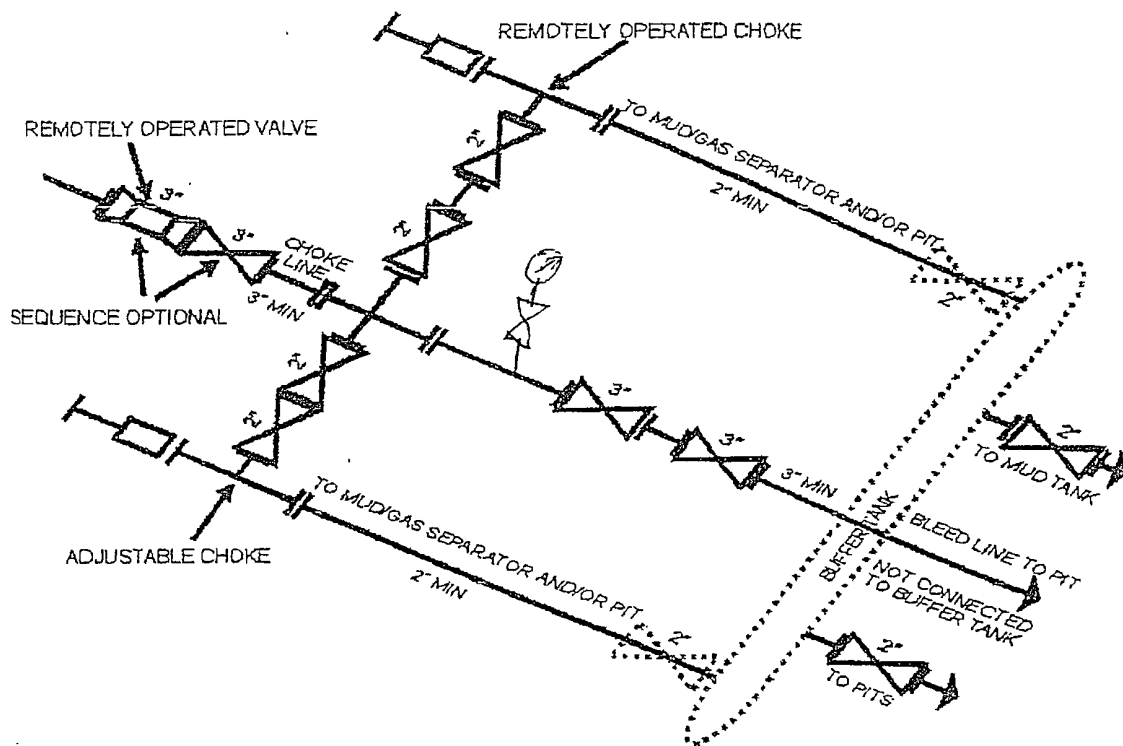


EOG RESOURCES, INC.
FRAM 35 FED COM 1H

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 1a
EOG Resources, Inc.

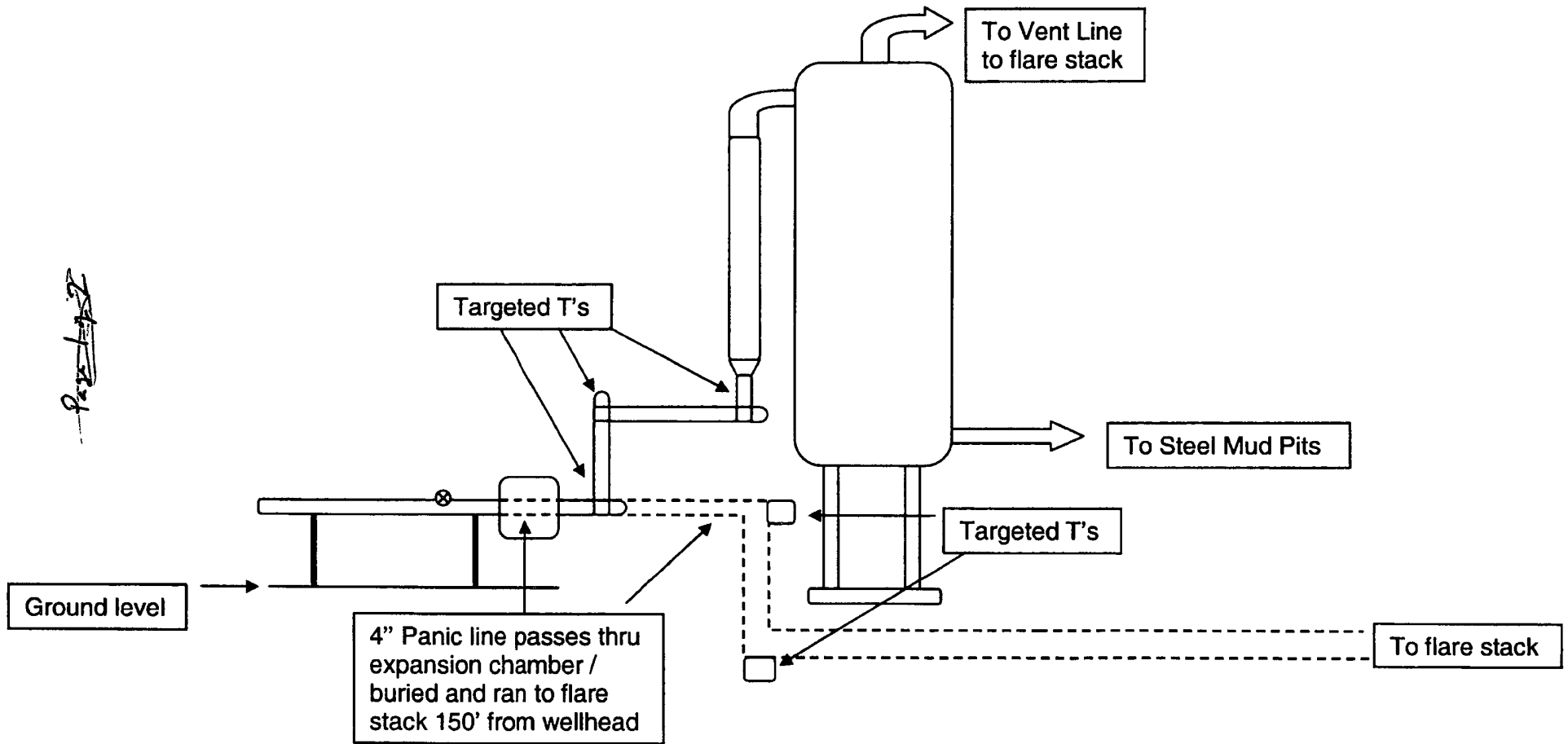


5M CHOKE MANIFOLD EQUIPMENT - CONFIGURATION OF CHOKES MAY VARY

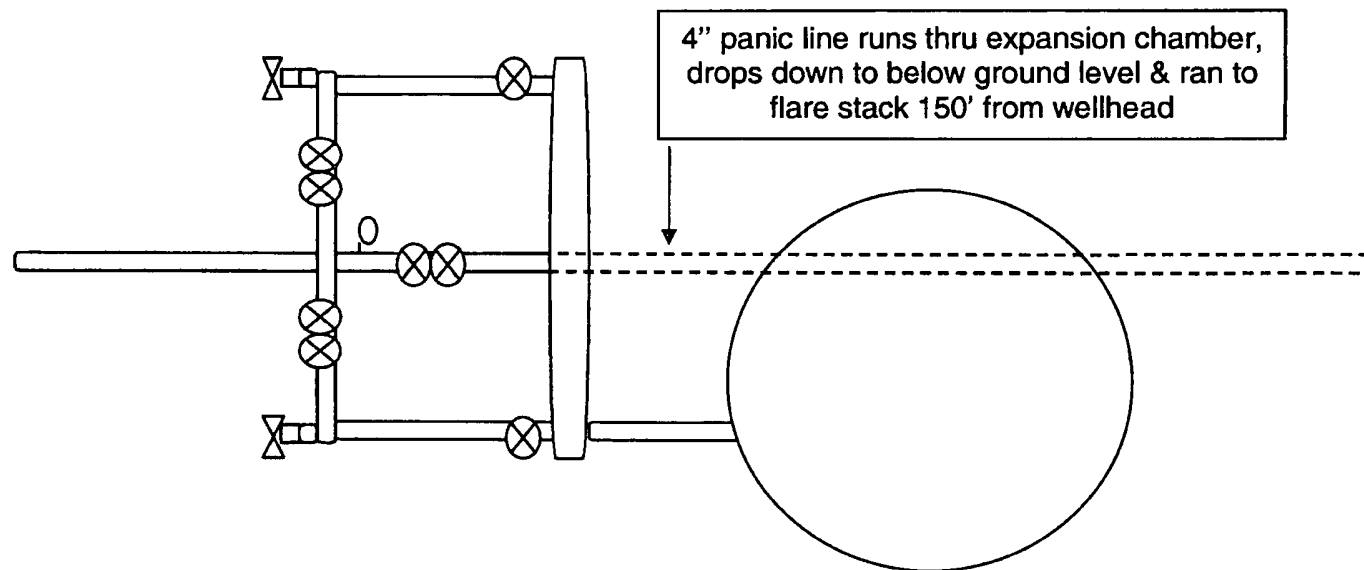
Although not required for any of the choke manifold systems, buffer tanks are sometimes installed downstream of the choke assemblies for the purpose of manifolding the bleed lines together. When buffer tanks are employed, valves shall be installed upstream to isolate a failure or malfunction without interrupting flow control. Though not shown on 2M, 3M, 10M, OR 15M drawings, it would also be applicable to those situations.

[54 FR 39528, Sept. 27, 1989]

Profile View of Piping from Choke Manifold
to the Mud Gas Separator



Aerial View of the Piping from the Choke
Manifold to the Mud Gas Separator



~~Page 2 of 2~~