

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

ROBBS OGD

ATS-11-359
FORM APPROVED
OMB NO. 1004-0137
Expires July 31, 2010

JUL 28 2011

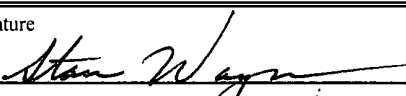
APPLICATION FOR PERMIT TO DRILL OR REENTER

1a. Type of Work ☒ DRILL ☐ REENTER		5. Lease Serial No. NM121490	
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.		7. Unit or CA Agreement Name and No.	
3a. Address P.O. Box 2267 Midland, Texas 79702		8. Lease Name and Well No. <38724> Fram 26 Federal 1H	
3b. Phone No. (include area code) 432-686-3689		9. API Well No. 30-025-40212	
4. Location of Well (Report location clearly and in accordance with any State requirements)* At surface 170' FNL & 430' FEL, U/L A, Sec 26, T26S, R33E At proposed prod. zone 330' FSL & 440' FEL, U/L H, Sec 35, T26S, R33E Lot 1		10. ☒ Oil or Exploratory Bradley, Bone Spring <7280> 11. Sec., T., R., M., or Blk. and Survey or Area Sec 26, T26S, R33E	
14. Distance in miles and direction from nearest town or post office* +/- 30 miles SW from Jal, NM		12. County or Parish Lea	
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drg unit line, if any) 170'		13. State NM	
16. No. of Acres in lease 1305.20		17. Spacing Unit dedicated to this well 236.22	
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. 1330'		20. BLM/BIA Bond No. on file NM-2308	
19. Proposed Depth Pilot Hole 10650' TVD 16735' MD - 9644' VD		21. Elevations (Show whether DF, KDB, RT, GL, etc.) 3329' 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:

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

25. Signature 	Name (Printed/Typed) Stan Wagner	Date 2/3/2011
Title Regulatory Analyst		
Approved by (Signature) /s/ Don Peterson	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 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)

Kz 08/02/11

Carlsbad Controlled Water Basin

SEE ATTACHED FOR
CONDITIONS OF APPROVALApproval Subject to General Requirements
& Special Stipulations Attached

AUG 03 2011

**EOG RESOURCES, INC.
FRAM 26 FEDERAL NO. 1H**

HOBBS OCD

JUL 28 2011

RECEIVED

1. GEOLOGIC NAME OF SURFACE FORMATION:

Permian

2. ESTIMATED TOPS OF IMPORTANT GEOLOGICAL MARKERS:

Rustler	860'
Top of Salt	1360'
Base of Salt	4,920'
Lamar	5,164'
Bell Canyon	5,192'
Cherry Canyon	6,234'
Brushy Canyon	7,784'
Bone Spring Lime	9,404'
1 st Bone Spring Sand	10,334'
Pilot hole TD	10,650'

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

Upper Permian Sands	0- 400'	Fresh Water
Lamar	5,164'	Oil
Brushy Canyon	7,784'	Oil
Bone Spring Lime	9,404'	Oil
1 st Bone Spring Sand	10,334'	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	LTC	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'-16,735'	5.5"	20#	HCP110 or P-110	NSCC	1.125	1.25	1.60

EOG RESOURCES, INC.
FRAM 26 FEDERAL NO. 1H

Cementing 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
10,650	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)
9,166'	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)
16,735'	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

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 26 FEDERAL 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' – 10,650' Pilot hole	Cut Brine	9.0-9.5	28-34	N/c
9,166' – 16,735' Lateral	Cut Brine	9.0-9.5	28-34	N/c

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 COA*

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 26 FEDERAL 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.



Stan_Wagner@eogresources
.com
03/01/2011 01:38 PM

To Wesley_Ingram@blm.gov
cc Deborah_McKinney@blm.gov
bcc
Subject Fram 26 Federal 1H

----- Forwarded by Stan Wagner/EOGResources on 03/01/2011 02:37 PM -----

From: Bruce Coit/EOGResources
To: Stan Wagner/EOGResources
Date: 03/01/2011 02:32 PM
Subject: Re: Fw: Re:

Yes. The mud program is accurate. Please see the following table.

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' – 10,650' Pilot hole	Cut Brine	9.0-9.5	28-34	N/c
9,166' – 16,735' Lateral	Cut Brine	9.0-9.5	28-34	N/c

Thanx,
>>>Bruce Coit
Drilling Technician
EOG Resources
Office: (432) 686-3702
Mobile: (432) 553-4379
Bruce_Coit@EOGResources.com

▼ Stan Wagner---03/01/2011 02:23:19 PM---see below. ----- Forwarded by Stan
Wagner/EOGResources on 03/01/2011 02:22 PM -----

From: Stan Wagner/EOGResources
To: Steve Munsell/EOGResources@EOGRESOURCES
Cc: Bruce Coit/EOGResources@EOGResources
Date: 03/01/2011 02:23 PM
Subject: Fw: Re:

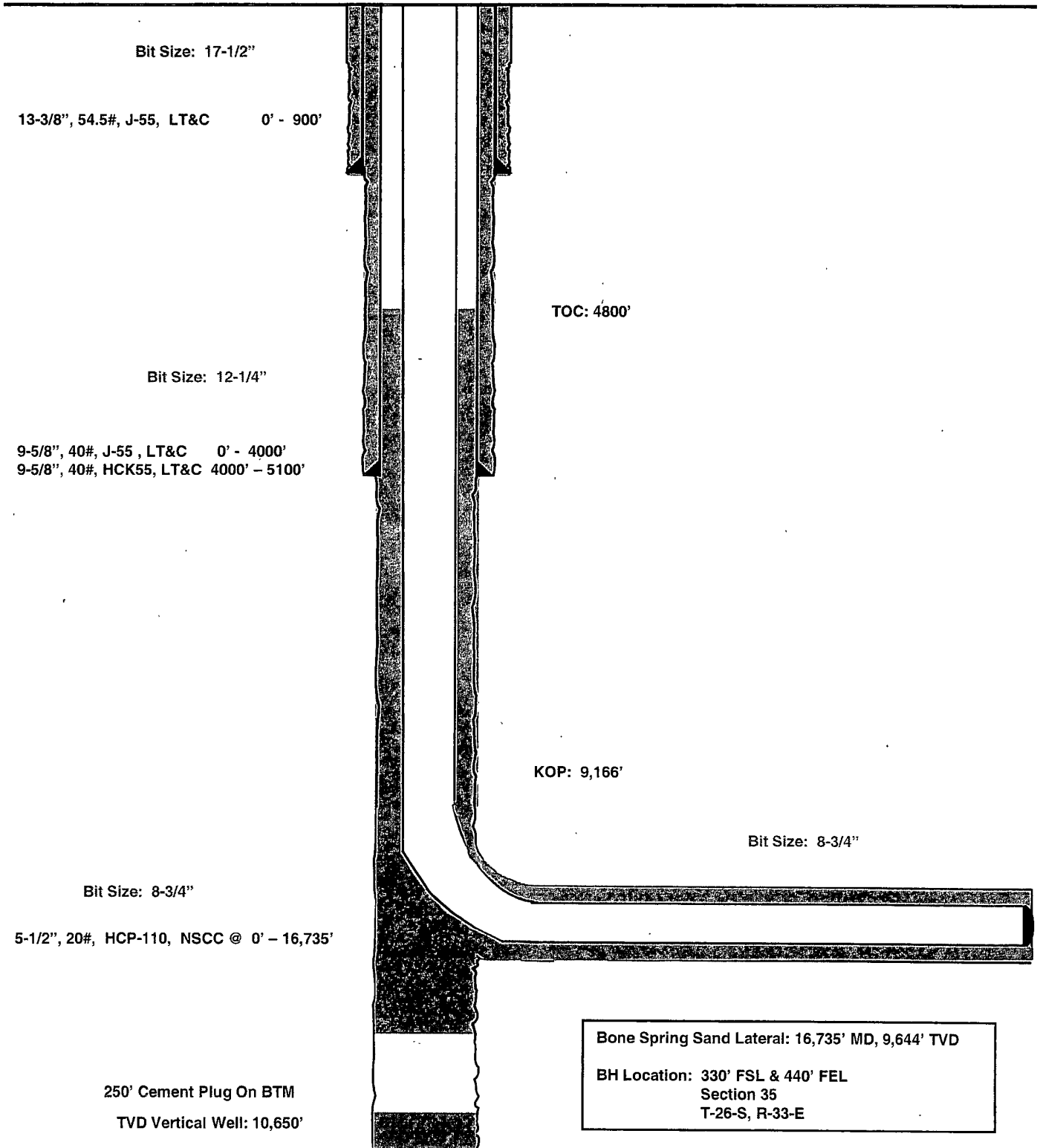
Fram 26 Federal #1H
Red Hills
Lea County, New Mexico

170' FNL
430' FEL
Section 26
T-26-S, R-33-E

Proposed Wellbore

API: 30-025-

KB: 3,359.1'
GL: 3,329.1'



Permit Information:

Well Name: Fram 26 Federal No. 1H

Location:

SL: 170' FNL & 430' FEL, Section 26, T-26-S, R-33-E, Lea Co., N.M.

BHL: 330' FSL & 440' FEL, Section 35, 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' 5,100'	12-1/4" 12-1/4"	9-5/8" 9-5/8"	40# 40#	J-55 HCK-55	Surface
Production	16,735'	8-3/4"	5-1/2"	20#	HCP-110 or P-110	4800'

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)
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10,650	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)
9,166'	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)
16,735'	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')
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	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

Cement volumes based on bit size + 25% excess.

See
CDA

Mud Program:

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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' – 10,650' Pilot hole	Cut Brine	9.0-9.5	28-34	N/c
9,166' – 16,735' Lateral	Cut Brine	9.0-9.5	28-34	N/c



EOG Resources, Inc.

Lea County

Fram "26" Federal

#1H

#1H

HOBBS OCD

JUL 28 2011

RECEIVED

Plan: OH

Pathfinder X & Y Planning Report

24 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 "26" Federal
Well: #1H
Wellbore: #1H
Design: OH

Local Co-ordinate Reference: Well #1H
TVD Reference: WELL @ 3359.10ft (Original Well Elev)
MD Reference: WELL @ 3359.10ft (Original Well Elev)
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 "26" Federal

Site Position:	Map	Northing:	372,314 900 ft	Latitude:	32° 1' 15.954 N
From:		Easting:	747,265 200 ft	Longitude:	103° 32' 7.867 W
Position Uncertainty:	0.00 ft	Slot Radius:	"	Grid Convergence:	0.42 °

Well: #1H

Well Position	+N/-S	0.00 ft	Northing:	372,314 900 ft	Latitude:	32° 1' 15.954 N
	+E/-W	0.00 ft	Easting:	747,265 200 ft	Longitude:	103° 32' 7.867 W
Position Uncertainty		0.00 ft	Wellhead Elevation:	ft	Ground Level:	3,329 10ft

Wellbore: #1H

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF200510	11/24/10	7.61	60.04	48,587

Design: OH

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	179.68

Survey Tool Program: Date 11/24/10

From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description
0.00	16,735.57	OH (#1H)	MWD	MWD - Standard



Pathfinder
Pathfinder X & Y Planning Report

PATHFINDER
A Schlumberger Company

Company: EOG Resources, Inc.
Project: Lea County
Site: Fram "26" Federal
Well: #1H
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MD Reference: WELL @ 3359 10ft (Original Well Elev)
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	-3,359.10	0 00	0.00	0 00	0.00	372,314.90	747,265.20
100.00	0.00	0.00	100.00	-3,259.10	0.00	0.00	0.00	0.00	372,314.90	747,265.20
200.00	0.00	0.00	200.00	-3,159.10	0.00	0.00	0.00	0.00	372,314.90	747,265.20
300.00	0.00	0.00	300.00	-3,059.10	0.00	0.00	0.00	0.00	372,314.90	747,265.20
400.00	0.00	0.00	400.00	-2,959.10	0.00	0.00	0.00	0.00	372,314.90	747,265.20
500.00	0.00	0.00	500.00	-2,859.10	0.00	0.00	0.00	0.00	372,314.90	747,265.20
600.00	0.00	0.00	600.00	-2,759.10	0.00	0.00	0.00	0.00	372,314.90	747,265.20
700.00	0.00	0.00	700.00	-2,659.10	0.00	0.00	0.00	0.00	372,314.90	747,265.20
800.00	0.00	0.00	800.00	-2,559.10	0.00	0.00	0.00	0.00	372,314.90	747,265.20
900.00	0.00	0.00	900.00	-2,459.10	0.00	0.00	0.00	0.00	372,314.90	747,265.20
1,000.00	0.00	0.00	1,000.00	-2,359.10	0.00	0.00	0.00	0.00	372,314.90	747,265.20
1,100.00	0.00	0.00	1,100.00	-2,259.10	0.00	0.00	0.00	0.00	372,314.90	747,265.20
1,200.00	0.00	0.00	1,200.00	-2,159.10	0.00	0.00	0.00	0.00	372,314.90	747,265.20
1,300.00	0.00	0.00	1,300.00	-2,059.10	0.00	0.00	0.00	0.00	372,314.90	747,265.20
1,400.00	0.00	0.00	1,400.00	-1,959.10	0.00	0.00	0.00	0.00	372,314.90	747,265.20
1,500.00	0.00	0.00	1,500.00	-1,859.10	0.00	0.00	0.00	0.00	372,314.90	747,265.20
1,600.00	0.00	0.00	1,600.00	-1,759.10	0.00	0.00	0.00	0.00	372,314.90	747,265.20
1,700.00	0.00	0.00	1,700.00	-1,659.10	0.00	0.00	0.00	0.00	372,314.90	747,265.20
1,800.00	0.00	0.00	1,800.00	-1,559.10	0.00	0.00	0.00	0.00	372,314.90	747,265.20
1,900.00	0.00	0.00	1,900.00	-1,459.10	0.00	0.00	0.00	0.00	372,314.90	747,265.20
2,000.00	0.00	0.00	2,000.00	-1,359.10	0.00	0.00	0.00	0.00	372,314.90	747,265.20
2,100.00	0.00	0.00	2,100.00	-1,259.10	0.00	0.00	0.00	0.00	372,314.90	747,265.20
2,200.00	0.00	0.00	2,200.00	-1,159.10	0.00	0.00	0.00	0.00	372,314.90	747,265.20
2,300.00	0.00	0.00	2,300.00	-1,059.10	0.00	0.00	0.00	0.00	372,314.90	747,265.20
2,400.00	0.00	0.00	2,400.00	-959.10	0.00	0.00	0.00	0.00	372,314.90	747,265.20
2,500.00	0.00	0.00	2,500.00	-859.10	0.00	0.00	0.00	0.00	372,314.90	747,265.20
2,600.00	0.00	0.00	2,600.00	-759.10	0.00	0.00	0.00	0.00	372,314.90	747,265.20



Pathfinder

Pathfinder X & Y Planning Report

PATHFINDER
A Schlumberger Company

Company: EOG Resources, Inc
Project: Lea County
Site: Fram "26" Federal
Well: #1H
Wellbore: #1H
Design: OH

Local Co-ordinate Reference: Well #1H
TVD Reference: WELL @ 3359 10ft (Original Well Elev)
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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)	DLeg (%/100ft)	Northing (ft)	Easting (ft)
2,700.00	0.00	0.00	2,700.00	-659.10	0.00	0.00	0.00	0.00	372,314.90	747,265.20
2,800.00	0.00	0.00	2,800.00	-559.10	0.00	0.00	0.00	0.00	372,314.90	747,265.20
2,900.00	0.00	0.00	2,900.00	-459.10	0.00	0.00	0.00	0.00	372,314.90	747,265.20
3,000.00	0.00	0.00	3,000.00	-359.10	0.00	0.00	0.00	0.00	372,314.90	747,265.20
3,100.00	0.00	0.00	3,100.00	-259.10	0.00	0.00	0.00	0.00	372,314.90	747,265.20
3,200.00	0.00	0.00	3,200.00	-159.10	0.00	0.00	0.00	0.00	372,314.90	747,265.20
3,300.00	0.00	0.00	3,300.00	-59.10	0.00	0.00	0.00	0.00	372,314.90	747,265.20
3,400.00	0.00	0.00	3,400.00	40.90	0.00	0.00	0.00	0.00	372,314.90	747,265.20
3,500.00	0.00	0.00	3,500.00	140.90	0.00	0.00	0.00	0.00	372,314.90	747,265.20
3,600.00	0.00	0.00	3,600.00	240.90	0.00	0.00	0.00	0.00	372,314.90	747,265.20
3,700.00	0.00	0.00	3,700.00	340.90	0.00	0.00	0.00	0.00	372,314.90	747,265.20
3,800.00	0.00	0.00	3,800.00	440.90	0.00	0.00	0.00	0.00	372,314.90	747,265.20
3,900.00	0.00	0.00	3,900.00	540.90	0.00	0.00	0.00	0.00	372,314.90	747,265.20
4,000.00	0.00	0.00	4,000.00	640.90	0.00	0.00	0.00	0.00	372,314.90	747,265.20
4,100.00	0.00	0.00	4,100.00	740.90	0.00	0.00	0.00	0.00	372,314.90	747,265.20
4,200.00	0.00	0.00	4,200.00	840.90	0.00	0.00	0.00	0.00	372,314.90	747,265.20
4,300.00	0.00	0.00	4,300.00	940.90	0.00	0.00	0.00	0.00	372,314.90	747,265.20
4,400.00	0.00	0.00	4,400.00	1,040.90	0.00	0.00	0.00	0.00	372,314.90	747,265.20
4,500.00	0.00	0.00	4,500.00	1,140.90	0.00	0.00	0.00	0.00	372,314.90	747,265.20
4,600.00	0.00	0.00	4,600.00	1,240.90	0.00	0.00	0.00	0.00	372,314.90	747,265.20
4,700.00	0.00	0.00	4,700.00	1,340.90	0.00	0.00	0.00	0.00	372,314.90	747,265.20
4,800.00	0.00	0.00	4,800.00	1,440.90	0.00	0.00	0.00	0.00	372,314.90	747,265.20
4,900.00	0.00	0.00	4,900.00	1,540.90	0.00	0.00	0.00	0.00	372,314.90	747,265.20
5,000.00	0.00	0.00	5,000.00	1,640.90	0.00	0.00	0.00	0.00	372,314.90	747,265.20
5,100.00	0.00	0.00	5,100.00	1,740.90	0.00	0.00	0.00	0.00	372,314.90	747,265.20
5,200.00	0.00	0.00	5,200.00	1,840.90	0.00	0.00	0.00	0.00	372,314.90	747,265.20
5,300.00	0.00	0.00	5,300.00	1,940.90	0.00	0.00	0.00	0.00	372,314.90	747,265.20



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A Schlumberger Company

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Project: Lea County
Site: Fram "26" Federal
Well: #1H
Wellbore: #1H
Design: OH

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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	2,040.90	0 00	0.00	0 00	0.00	372,314.90	747,265.20
5,500 00	0 00	0 00	5,500 00	2,140.90	0 00	0 00	0 00	0.00	372,314.90	747,265.20
5,600 00	0 00	0 00	5,600 00	2,240 90	0 00	0 00	0 00	0 00	372,314.90	747,265.20
5,700.00	0.00	0 00	5,700.00	2,340 90	0.00	0 00	0 00	0.00	372,314.90	747,265 20
5,800.00	0.00	0 00	5,800 00	2,440.90	0 00	0 00	0.00	0 00	372,314 90	747,265 20
5,900.00	0 00	0 00	5,900 00	2,540.90	0 00	0 00	0 00	0.00	372,314 90	747,265.20
6,000.00	0 00	0.00	6,000 00	2,640.90	0 00	0 00	0 00	0.00	372,314 90	747,265 20
6,100.00	0.00	0 00	6,100.00	2,740 90	0 00	0 00	0 00	0.00	372,314.90	747,265 20
6,200 00	0.00	0.00	6,200 00	2,840 90	0.00	0 00	0 00	0.00	372,314 90	747,265 20
6,300.00	0 00	0 00	6,300 00	2,940.90	0 00	0 00	0 00	0.00	372,314 90	747,265 20
6,400.00	0 00	0 00	6,400.00	3,040.90	0.00	0 00	0 00	0.00	372,314 90	747,265 20
6,500.00	0.00	0 00	6,500 00	3,140.90	0 00	0.00	0 00	0 00	372,314 90	747,265.20
6,600 00	0.00	0 00	6,600 00	3,240 90	0.00	0.00	0 00	0.00	372,314.90	747,265 20
6,700 00	0.00	0 00	6,700 00	3,340 90	0 00	0.00	0 00	0.00	372,314 90	747,265.20
6,800 00	0.00	0 00	6,800 00	3,440 90	0 00	0 00	0.00	0.00	372,314 90	747,265.20
6,900.00	0 00	0.00	6,900 00	3,540.90	0.00	0.00	0.00	0 00	372,314.90	747,265.20
7,000 00	0 00	0.00	7,000 00	3,640 90	0.00	0 00	0.00	0 00	372,314.90	747,265 20
7,100 00	0.00	0.00	7,100 00	3,740.90	0.00	0 00	0 00	0.00	372,314 90	747,265 20
7,200.00	0 00	0.00	7,200 00	3,840.90	0.00	0.00	0 00	0.00	372,314.90	747,265.20
7,300 00	0.00	0 00	7,300 00	3,940.90	0.00	0.00	0.00	0 00	372,314 90	747,265 20
7,400 00	0 00	0 00	7,400 00	4,040.90	0.00	0 00	0.00	0 00	372,314 90	747,265.20
7,500 00	0.00	0 00	7,500 00	4,140 90	0.00	0.00	0.00	0 00	372,314 90	747,265 20
7,600.00	0.00	0 00	7,600.00	4,240.90	0.00	0 00	0.00	0.00	372,314.90	747,265 20
7,700 00	0 00	0 00	7,700.00	4,340 90	0 00	0 00	0.00	0 00	372,314.90	747,265.20
7,800 00	0.00	0.00	7,800.00	4,440 90	0 00	0.00	0.00	0.00	372,314 90	747,265.20
7,900.00	0 00	0 00	7,900 00	4,540 90	0 00	0.00	0 00	0.00	372,314 90	747,265.20
8,000.00	0 00	0.00	8,000 00	4,640.90	0 00	0.00	0.00	0 00	372,314 90	747,265.20



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8,100.00	0.00	0.00	8,100.00	4,740.90	0.00	0.00	0.00	0.00	372,314.90	747,265.20
8,200.00	0.00	0.00	8,200.00	4,840.90	0.00	0.00	0.00	0.00	372,314.90	747,265.20
8,300.00	0.00	0.00	8,300.00	4,940.90	0.00	0.00	0.00	0.00	372,314.90	747,265.20
8,400.00	0.00	0.00	8,400.00	5,040.90	0.00	0.00	0.00	0.00	372,314.90	747,265.20
8,500.00	0.00	0.00	8,500.00	5,140.90	0.00	0.00	0.00	0.00	372,314.90	747,265.20
8,600.00	0.00	0.00	8,600.00	5,240.90	0.00	0.00	0.00	0.00	372,314.90	747,265.20
8,700.00	0.00	0.00	8,700.00	5,340.90	0.00	0.00	0.00	0.00	372,314.90	747,265.20
8,800.00	0.00	0.00	8,800.00	5,440.90	0.00	0.00	0.00	0.00	372,314.90	747,265.20
8,900.00	0.00	0.00	8,900.00	5,540.90	0.00	0.00	0.00	0.00	372,314.90	747,265.20
9,000.00	0.00	0.00	9,000.00	5,640.90	0.00	0.00	0.00	0.00	372,314.90	747,265.20
9,100.00	0.00	0.00	9,100.00	5,740.90	0.00	0.00	0.00	0.00	372,314.90	747,265.20
9,166.50	0.00	0.00	9,166.50	5,807.40	0.00	0.00	0.00	0.00	372,314.90	747,265.20
9,175.00	1.02	179.68	9,175.00	5,815.90	-0.08	0.00	0.08	12.00	372,314.82	747,265.20
9,200.00	4.02	179.68	9,199.97	5,840.87	-1.17	0.01	1.17	12.00	372,313.73	747,265.21
9,225.00	7.02	179.68	9,224.85	5,865.75	-3.58	0.02	3.58	12.00	372,311.32	747,265.22
9,250.00	10.02	179.68	9,249.58	5,890.48	-7.28	0.04	7.28	12.00	372,307.62	747,265.24
9,275.00	13.02	179.68	9,274.07	5,914.97	-12.27	0.07	12.27	12.00	372,302.63	747,265.27
9,300.00	16.02	179.68	9,298.27	5,939.17	-18.54	0.10	18.54	12.00	372,296.36	747,265.30
9,325.00	19.02	179.68	9,322.11	5,963.01	-26.06	0.15	26.07	12.00	372,288.84	747,265.35
9,350.00	22.02	179.68	9,345.52	5,986.42	-34.83	0.19	34.83	12.00	372,280.07	747,265.39
9,375.00	25.02	179.68	9,368.44	6,009.34	-44.80	0.25	44.80	12.00	372,270.10	747,265.45
9,400.00	28.02	179.68	9,390.80	6,031.70	-55.96	0.31	55.96	12.00	372,258.94	747,265.51
9,425.00	31.02	179.68	9,412.56	6,053.46	-68.28	0.38	68.28	12.00	372,246.62	747,265.58
9,450.00	34.02	179.68	9,433.64	6,074.54	-81.71	0.46	81.72	12.00	372,233.19	747,265.66
9,475.00	37.02	179.68	9,453.98	6,094.88	-96.24	0.54	96.24	12.00	372,218.66	747,265.74
9,500.00	40.02	179.68	9,473.54	6,114.44	-111.80	0.62	111.81	12.00	372,203.10	747,265.82
9,525.00	43.02	179.68	9,492.26	6,133.16	-128.37	0.72	128.37	12.00	372,186.53	747,265.92



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9,550.00	46.02	179.68	9,510.08	6,150.98	-145.90	0.81	145.90	12.00	372,169.00	747,266.01
9,575.00	49.02	179.68	9,526.96	6,167.86	-164.33	0.92	164.33	12.00	372,150.57	747,266.12
9,600.00	52.02	179.68	9,542.86	6,183.76	-183.62	1.03	183.63	12.00	372,131.28	747,266.23
9,625.00	55.02	179.68	9,557.72	6,198.62	-203.72	1.14	203.73	12.00	372,111.18	747,266.34
9,650.00	58.02	179.68	9,571.51	6,212.41	-224.57	1.25	224.57	12.00	372,090.33	747,266.45
9,675.00	61.02	179.68	9,584.19	6,225.09	-246.11	1.37	246.12	12.00	372,068.79	747,266.57
9,700.00	64.02	179.68	9,595.73	6,236.63	-268.29	1.50	268.29	12.00	372,046.61	747,266.70
9,725.00	67.02	179.68	9,606.09	6,246.99	-291.04	1.63	291.04	12.00	372,023.86	747,266.83
9,750.00	70.01	179.68	9,615.25	6,256.15	-314.30	1.76	314.30	12.00	372,000.60	747,266.96
9,775.00	73.01	179.68	9,623.17	6,264.07	-338.00	1.89	338.01	12.00	371,976.90	747,267.09
9,800.00	76.01	179.68	9,629.85	6,270.75	-362.09	2.02	362.10	12.00	371,952.81	747,267.22
9,825.00	79.01	179.68	9,635.25	6,276.15	-386.50	2.16	386.50	12.00	371,928.40	747,267.36
9,850.00	82.01	179.68	9,639.37	6,280.27	-411.15	2.30	411.16	12.00	371,903.75	747,267.50
9,875.00	85.01	179.68	9,642.19	6,283.09	-435.99	2.44	436.00	12.00	371,878.91	747,267.64
9,900.00	88.01	179.68	9,643.71	6,284.61	-460.94	2.57	460.95	12.00	371,853.96	747,267.77
9,916.56	90.00	179.68	9,644.00	6,284.90	-477.49	2.67	477.50	12.00	371,837.41	747,267.87
10,000.00	90.00	179.68	9,644.00	6,284.90	-560.94	3.13	560.94	0.00	371,753.96	747,268.33
10,100.00	90.00	179.68	9,644.00	6,284.90	-660.93	3.69	660.94	0.00	371,653.97	747,268.89
10,200.00	90.00	179.68	9,644.00	6,284.90	-760.93	4.25	760.94	0.00	371,553.97	747,269.45
10,300.00	90.00	179.68	9,644.00	6,284.90	-860.93	4.81	860.94	0.00	371,453.97	747,270.01
10,400.00	90.00	179.68	9,644.00	6,284.90	-960.93	5.37	960.94	0.00	371,353.97	747,270.57
10,500.00	90.00	179.68	9,644.00	6,284.90	-1,060.93	5.93	1,060.94	0.00	371,253.97	747,271.13
10,600.00	90.00	179.68	9,644.00	6,284.90	-1,160.93	6.48	1,160.94	0.00	371,153.97	747,271.68
10,700.00	90.00	179.68	9,644.00	6,284.90	-1,260.93	7.04	1,260.94	0.00	371,053.97	747,272.24
10,800.00	90.00	179.68	9,644.00	6,284.90	-1,360.92	7.60	1,360.94	0.00	370,953.98	747,272.80
10,900.00	90.00	179.68	9,644.00	6,284.90	-1,460.92	8.16	1,460.94	0.00	370,853.98	747,273.36
11,000.00	90.00	179.68	9,644.00	6,284.90	-1,560.92	8.72	1,560.94	0.00	370,753.98	747,273.92



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11,100.00	90.00	179.68	9,644.00	6,284.90	-1,660.92	9.28	1,660.94	0.00	370,653.98	747,274.48
11,200.00	90.00	179.68	9,644.00	6,284.90	-1,760.92	9.83	1,760.94	0.00	370,553.98	747,275.03
11,300.00	90.00	179.68	9,644.00	6,284.90	-1,860.92	10.39	1,860.94	0.00	370,453.98	747,275.59
11,400.00	90.00	179.68	9,644.00	6,284.90	-1,960.91	10.95	1,960.94	0.00	370,353.99	747,276.15
11,500.00	90.00	179.68	9,644.00	6,284.90	-2,060.91	11.51	2,060.94	0.00	370,253.99	747,276.71
11,600.00	90.00	179.68	9,644.00	6,284.90	-2,160.91	12.07	2,160.94	0.00	370,153.99	747,277.27
11,700.00	90.00	179.68	9,644.00	6,284.90	-2,260.91	12.63	2,260.94	0.00	370,053.99	747,277.83
11,800.00	90.00	179.68	9,644.00	6,284.90	-2,360.91	13.19	2,360.94	0.00	369,953.99	747,278.39
11,900.00	90.00	179.68	9,644.00	6,284.90	-2,460.91	13.74	2,460.94	0.00	369,853.99	747,278.94
12,000.00	90.00	179.68	9,644.00	6,284.90	-2,560.90	14.30	2,560.94	0.00	369,754.00	747,279.50
12,100.00	90.00	179.68	9,644.00	6,284.90	-2,660.90	14.86	2,660.94	0.00	369,654.00	747,280.06
12,200.00	90.00	179.68	9,644.00	6,284.90	-2,760.90	15.42	2,760.94	0.00	369,554.00	747,280.62
12,300.00	90.00	179.68	9,644.00	6,284.90	-2,860.90	15.98	2,860.94	0.00	369,454.00	747,281.18
12,400.00	90.00	179.68	9,644.00	6,284.90	-2,960.90	16.54	2,960.94	0.00	369,354.00	747,281.74
12,500.00	90.00	179.68	9,644.00	6,284.90	-3,060.90	17.10	3,060.94	0.00	369,254.00	747,282.30
12,600.00	90.00	179.68	9,644.00	6,284.90	-3,160.90	17.65	3,160.94	0.00	369,154.00	747,282.85
12,700.00	90.00	179.68	9,644.00	6,284.90	-3,260.89	18.21	3,260.94	0.00	369,054.01	747,283.41
12,800.00	90.00	179.68	9,644.00	6,284.90	-3,360.89	18.77	3,360.94	0.00	368,954.01	747,283.97
12,900.00	90.00	179.68	9,644.00	6,284.90	-3,460.89	19.33	3,460.94	0.00	368,854.01	747,284.53
13,000.00	90.00	179.68	9,644.00	6,284.90	-3,560.89	19.89	3,560.94	0.00	368,754.01	747,285.09
13,100.00	90.00	179.68	9,644.00	6,284.90	-3,660.89	20.45	3,660.94	0.00	368,654.01	747,285.65
13,200.00	90.00	179.68	9,644.00	6,284.90	-3,760.89	21.00	3,760.94	0.00	368,554.01	747,286.20
13,300.00	90.00	179.68	9,644.00	6,284.90	-3,860.88	21.56	3,860.94	0.00	368,454.02	747,286.76
13,400.00	90.00	179.68	9,644.00	6,284.90	-3,960.88	22.12	3,960.94	0.00	368,354.02	747,287.32
13,500.00	90.00	179.68	9,644.00	6,284.90	-4,060.88	22.68	4,060.94	0.00	368,254.02	747,287.88
13,600.00	90.00	179.68	9,644.00	6,284.90	-4,160.88	23.24	4,160.94	0.00	368,154.02	747,288.44
13,700.00	90.00	179.68	9,644.00	6,284.90	-4,260.88	23.80	4,260.94	0.00	368,054.02	747,289.00



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Design: OH

Local Co-ordinate Reference: Well #1H
TVD Reference: WELL @ 3359.10ft (Original Well Elev)
MD Reference: WELL @ 3359.10ft (Original Well Elev)
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)
13,800.00	90.00	179.68	9,644.00	6,284.90	-4,360.88	24.36	4,360.94	0.00	367,954.02	747,289.56
13,900.00	90.00	179.68	9,644.00	6,284.90	-4,460.88	24.91	4,460.94	0.00	367,854.02	747,290.11
14,000.00	90.00	179.68	9,644.00	6,284.90	-4,560.87	25.47	4,560.94	0.00	367,754.03	747,290.67
14,100.00	90.00	179.68	9,644.00	6,284.90	-4,660.87	26.03	4,660.94	0.00	367,654.03	747,291.23
14,200.00	90.00	179.68	9,644.00	6,284.90	-4,760.87	26.59	4,760.94	0.00	367,554.03	747,291.79
14,300.00	90.00	179.68	9,644.00	6,284.90	-4,860.87	27.15	4,860.94	0.00	367,454.03	747,292.35
14,400.00	90.00	179.68	9,644.00	6,284.90	-4,960.87	27.71	4,960.94	0.00	367,354.03	747,292.91
14,500.00	90.00	179.68	9,644.00	6,284.90	-5,060.87	28.27	5,060.94	0.00	367,254.03	747,293.47
14,600.00	90.00	179.68	9,644.00	6,284.90	-5,160.86	28.82	5,160.94	0.00	367,154.04	747,294.02
14,700.00	90.00	179.68	9,644.00	6,284.90	-5,260.86	29.38	5,260.94	0.00	367,054.04	747,294.58
14,800.00	90.00	179.68	9,644.00	6,284.90	-5,360.86	29.94	5,360.94	0.00	366,954.04	747,295.14
14,900.00	90.00	179.68	9,644.00	6,284.90	-5,460.86	30.50	5,460.94	0.00	366,854.04	747,295.70
15,000.00	90.00	179.68	9,644.00	6,284.90	-5,560.86	31.06	5,560.94	0.00	366,754.04	747,296.26
15,100.00	90.00	179.68	9,644.00	6,284.90	-5,660.86	31.62	5,660.94	0.00	366,654.04	747,296.82
15,200.00	90.00	179.68	9,644.00	6,284.90	-5,760.85	32.18	5,760.94	0.00	366,554.05	747,297.38
15,300.00	90.00	179.68	9,644.00	6,284.90	-5,860.85	32.73	5,860.94	0.00	366,454.05	747,297.93
15,400.00	90.00	179.68	9,644.00	6,284.90	-5,960.85	33.29	5,960.94	0.00	366,354.05	747,298.49
15,500.00	90.00	179.68	9,644.00	6,284.90	-6,060.85	33.85	6,060.94	0.00	366,254.05	747,299.05
15,600.00	90.00	179.68	9,644.00	6,284.90	-6,160.85	34.41	6,160.94	0.00	366,154.05	747,299.61
15,700.00	90.00	179.68	9,644.00	6,284.90	-6,260.85	34.97	6,260.94	0.00	366,054.05	747,300.17
15,800.00	90.00	179.68	9,644.00	6,284.90	-6,360.85	35.53	6,360.94	0.00	365,954.05	747,300.73
15,900.00	90.00	179.68	9,644.00	6,284.90	-6,460.84	36.08	6,460.94	0.00	365,854.06	747,301.28
16,000.00	90.00	179.68	9,644.00	6,284.90	-6,560.84	36.64	6,560.94	0.00	365,754.06	747,301.84
16,100.00	90.00	179.68	9,644.00	6,284.90	-6,660.84	37.20	6,660.94	0.00	365,654.06	747,302.40
16,200.00	90.00	179.68	9,644.00	6,284.90	-6,760.84	37.76	6,760.94	0.00	365,554.06	747,302.96
16,300.00	90.00	179.68	9,644.00	6,284.90	-6,860.84	38.32	6,860.94	0.00	365,454.06	747,303.52
16,400.00	90.00	179.68	9,644.00	6,284.90	-6,960.84	38.88	6,960.94	0.00	365,354.06	747,304.08



Pathfinder
Pathfinder X & Y Planning Report

PATHFINDER
A Schlumberger Company

Company: EOG Resources, Inc
Project: Lea County
Site: Fram "26" Federal
Well: #1H
Wellbore: #1H
Design: OH

Local Co-ordinate Reference: Well #1H
TVD Reference: WELL @ 3359.10ft (Original Well Elev)
MD Reference: WELL @ 3359.10ft (Original Well Elev)
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)
16,500.00	90.00	179.68	9,644.00	6,284.90	-7,060.83	39.44	7,060.94	0.00	365,254.07	747,304.64
16,600.00	90.00	179.68	9,644.00	6,284.90	-7,160.83	39.99	7,160.94	0.00	365,154.07	747,305.19
16,700.00	90.00	179.68	9,644.00	6,284.90	-7,260.83	40.55	7,260.94	0.00	365,054.07	747,305.75
16,735.57	90.00	179.68	9,644.00	6,284.90	-7,296.40	40.75	7,296.51	0.00	365,018.50	747,305.95

Targets

Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
PBHL(Fram#1H) - plan hits target center - Point	0.00	0.00	9,644.00	-7,296.40	40.90	365,018.500	747,306.100	32° 0' 3.748 N	103° 32' 8.017 W

Checked By: _____ Approved By: _____ Date: _____



Project: Lea County
Site: Fram "26" Federal
Well: #1H
Wellbore: #1H
Plan: OH (#1H/#1H)



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

West(-)/East(+) (400 ft/in,

PATHFINDER
A Schlumberger Company

Magnetic Field -4400 -4000 -3600 -3200 -2800 -2400 -2000 -1600 -1200 -800 -400 0 400 800 1200 1600 2000 2400
Strength: 48587.2snT
Dip Angle: 60.04°
Date: 11/24/2010
Model: IGRF200510

WELL DETAILS #1H

Ground Elevation 3329.10
RKB Elevation WELL @ 3359.10ft (Original Well Elev)
Rig Name Original Well Elev

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
0.00	0.00	372314.900	747265.200	32° 1' 15.954 N	103° 32' 7.867 W	

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

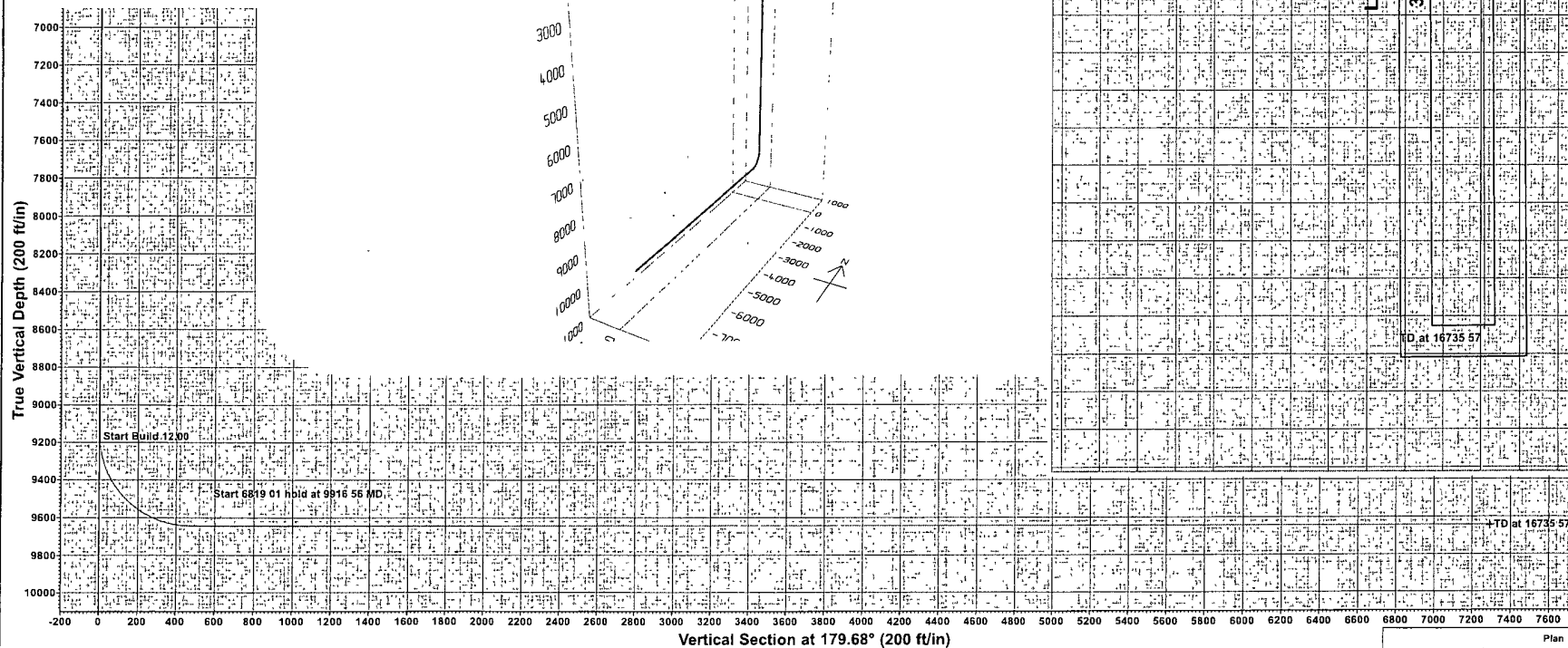
SECTION DETAILS									
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec Target
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	9166.50	0.00	0.00	9166.50	0.00	0.00	0.00	0.00	0.00
3	9916.56	90.00	179.68	9644.00	-477.49	2.67	12.00	179.68	477.50
4	16735.57	90.00	179.68	9644.00	-7296.40	40.75	0.00	0.00	7296.51 PBHL(Fram#1H)

WELLBORE TARGET DETAILS (MAP CO-ORDINATES)

Name	TVD	+N/-S	+E/-W	Northing	Easting	Shape Point
PBHL(Fram#1H)	9644.00	-7296.40	40.90	365018.500	747306.100	

LEGEND

→ OH



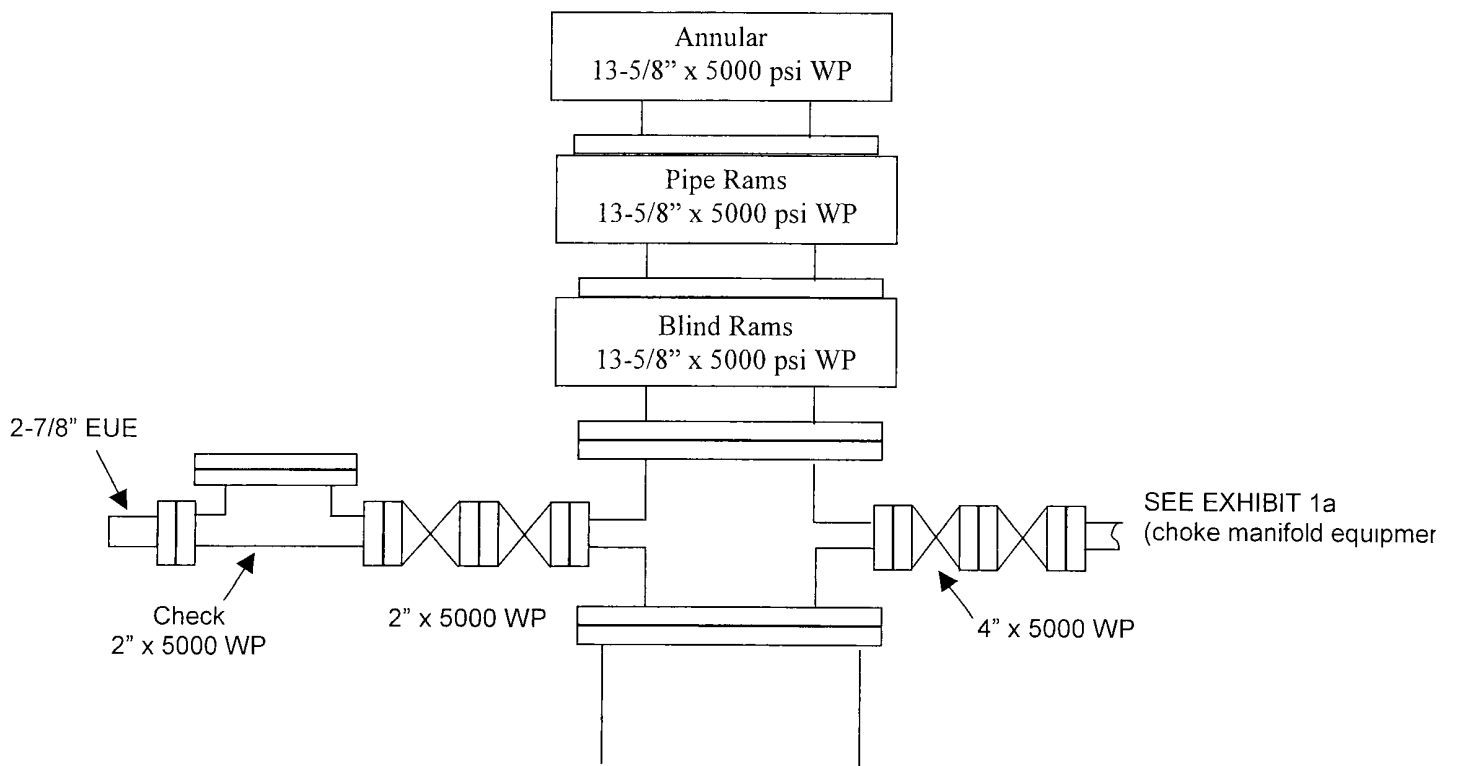
Vertical Section at 179.68° (200 ft/in)

Plan OH (#1H/#1H)

Created By Nate Bingham Date 11 24, November 24 2010

EXHIBIT 1

EOG Resources
Fram 26 Federal No. 1H

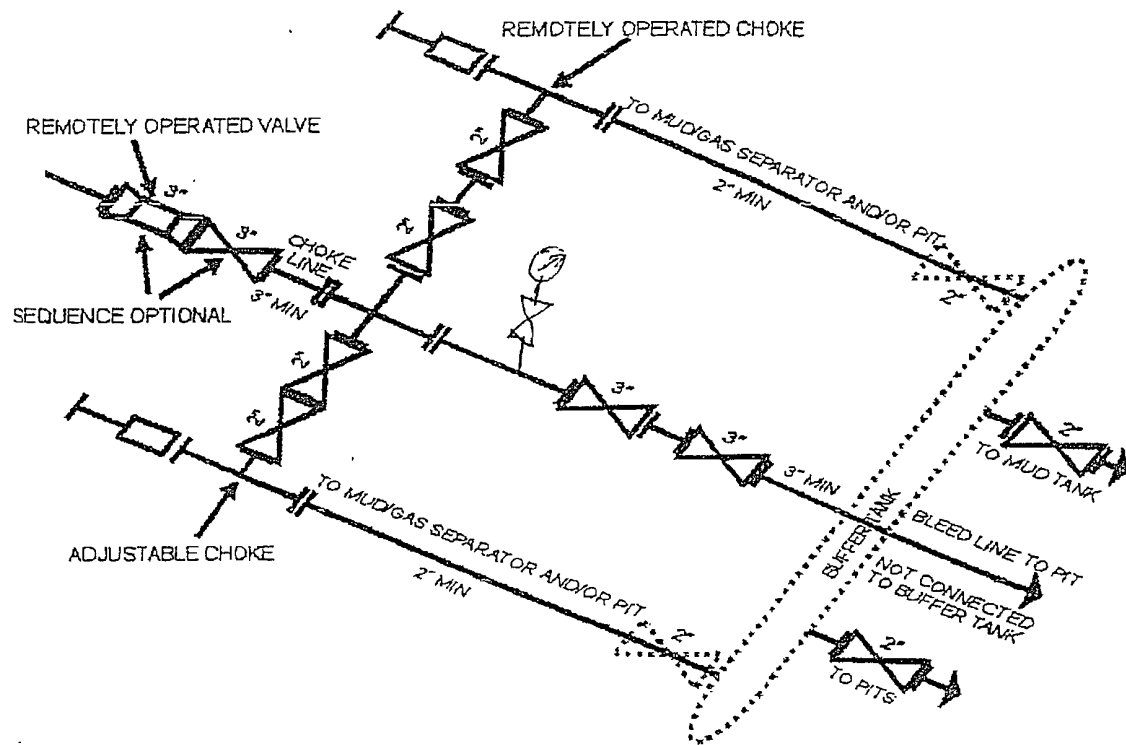


EOG RESOURCES, INC.
FRAM 26 FED 1H

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.

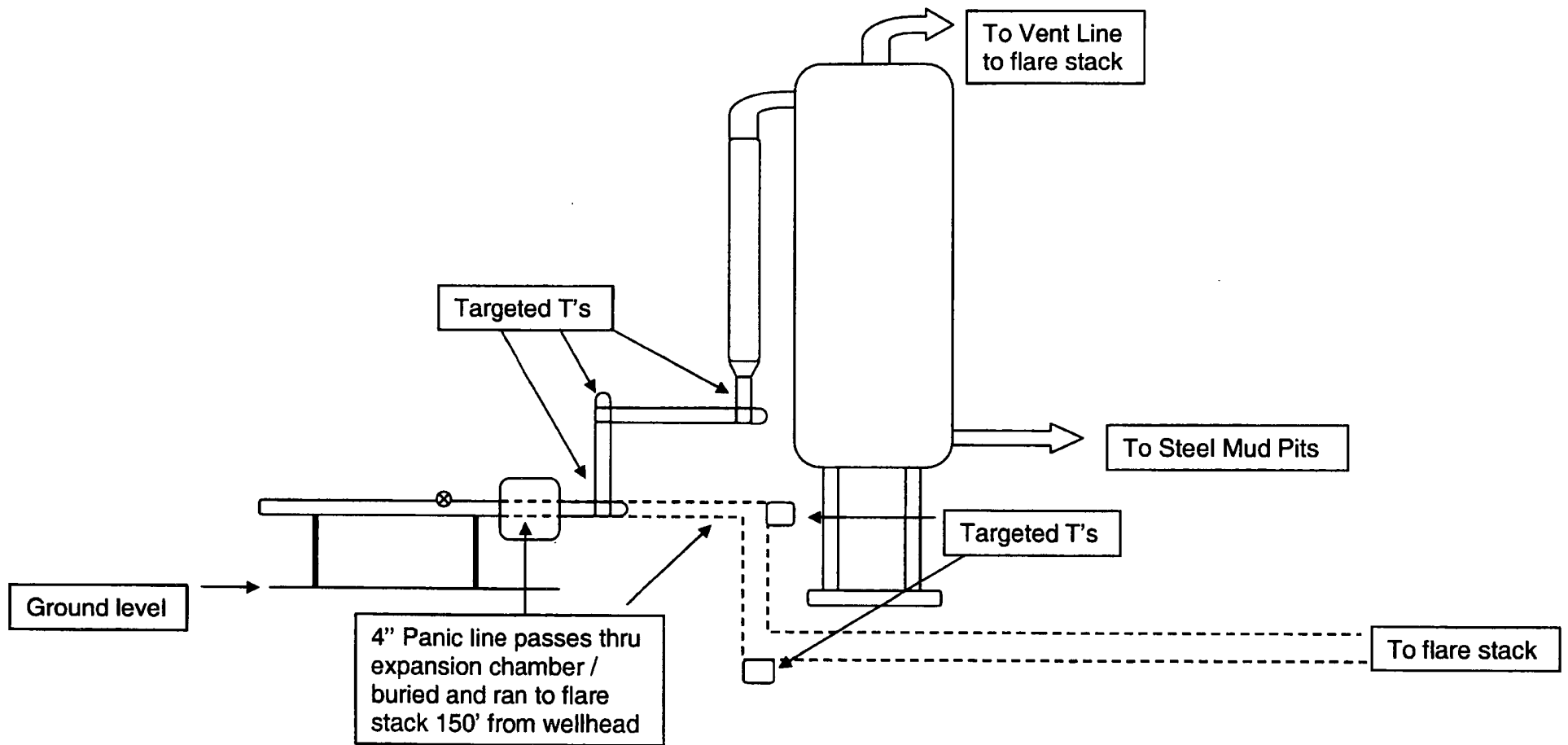


5M CHOKE MANIFOLD EQUIPMENT - CONFIGURATION OF CHOKES MAY VARY

Although not required for any of the choke manifold systems, buffer tanks are sometimes installed downstream of the choke assemblies for the purpose of manifolded 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

