

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

OCD-HOBBS
HOBBS OCD

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

APPLICATION FOR PERMIT TO DRILL OR REENTER

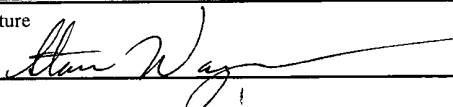
JUL 28 2011

1a. Type of Work ☒ DRILL ☐ REENTER		5. Lease Serial No. NM121490 (SHL)
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	3b. Phone No. (include area code) 432-686-3689	8. Lease Name and Well No. Fram 35 Fed Com 2H
4. Location of Well (Report location clearly and in accordance with any State requirements)* At surface 50' FSL & 870' FWL, U/L E, Sec 35, T26S, R33E		9. API Well No. 30-025-40215
At proposed prod. zone 330' FNL & 440' FWL, U/L D, Sec 26, T26S, R33E		10. Field and Braceley, Bone Springs
14. Distance in miles and direction from nearest town or post office* +/- 34 miles SW from Jal, NM		11. Sec., T., R., M., or Blk. and Survey or Area Sec 35, T26S, R33E
15. Distance from proposed* location to nearest property or lease line, ft (Also to nearest drg. unit line, if any) 50'	16. No. of Acres in lease 1305.20	12. County or Parish Lea
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. 1291'	19. Proposed Depth 16805' MD - 9580' VD	13. State NM
21. Elevations (Show whether DF, KDB, RT, GL, etc.) 3318' GL	22. Approximate date work will start* 5/1/2011	17. Spacing Unit dedicated to this well 236.38
20. BLM/BIA Bond No. on file NM-2308		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 	Name (Printed/Typed) Stan Wagner	Date 2/3/2011
Title Regulatory Analyst		
Approved by (Signature) Is/ Don Peterson	Name (Printed/Typed)	Date JUL 25 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)

Carlsbad Controlled Water Basin

KZ 08/02/11

SEE ATTACHED FOR
CONDITIONS OF APPROVAL

Approval Subject to General Requirements
& Special Stipulations Attached

AUG 03 2011

EOG RESOURCES, INC.
FRAM 35 FED. COM NO. 2H

HOBBS OCD

JUL 28 2011

RECEIVED

1. GEOLOGIC NAME OF SURFACE FORMATION:

Permian

2. ESTIMATED TOPS OF IMPORTANT GEOLOGICAL MARKERS:

Rustler	870'
Top of Salt	1,340'
Base of Salt	4,895'
Lamar	5,134'
Bell Canyon	5,162'
Cherry Canyon	6,204'
Brushy Canyon	7,754'
Bone Spring Lime	9,370'
1 st Bone Spring Sand	10,290'
TD	9,620'

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

Upper Permian Sands	0- 400'	Fresh Water
Lamar	5,134'	Oil
Brushy Canyon	7,754'	Oil
Bone Spring Lime	9,370'	Oil
1 st Bone Spring Sand	10,290'	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'-16,805'	5.5"	20#	HCP110 or P-110	NSCC	1.125	1.25	1.60

EOG RESOURCES, INC.
FRAM 35 FED. COM NO. 2H

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
9,142' – 16,805' 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

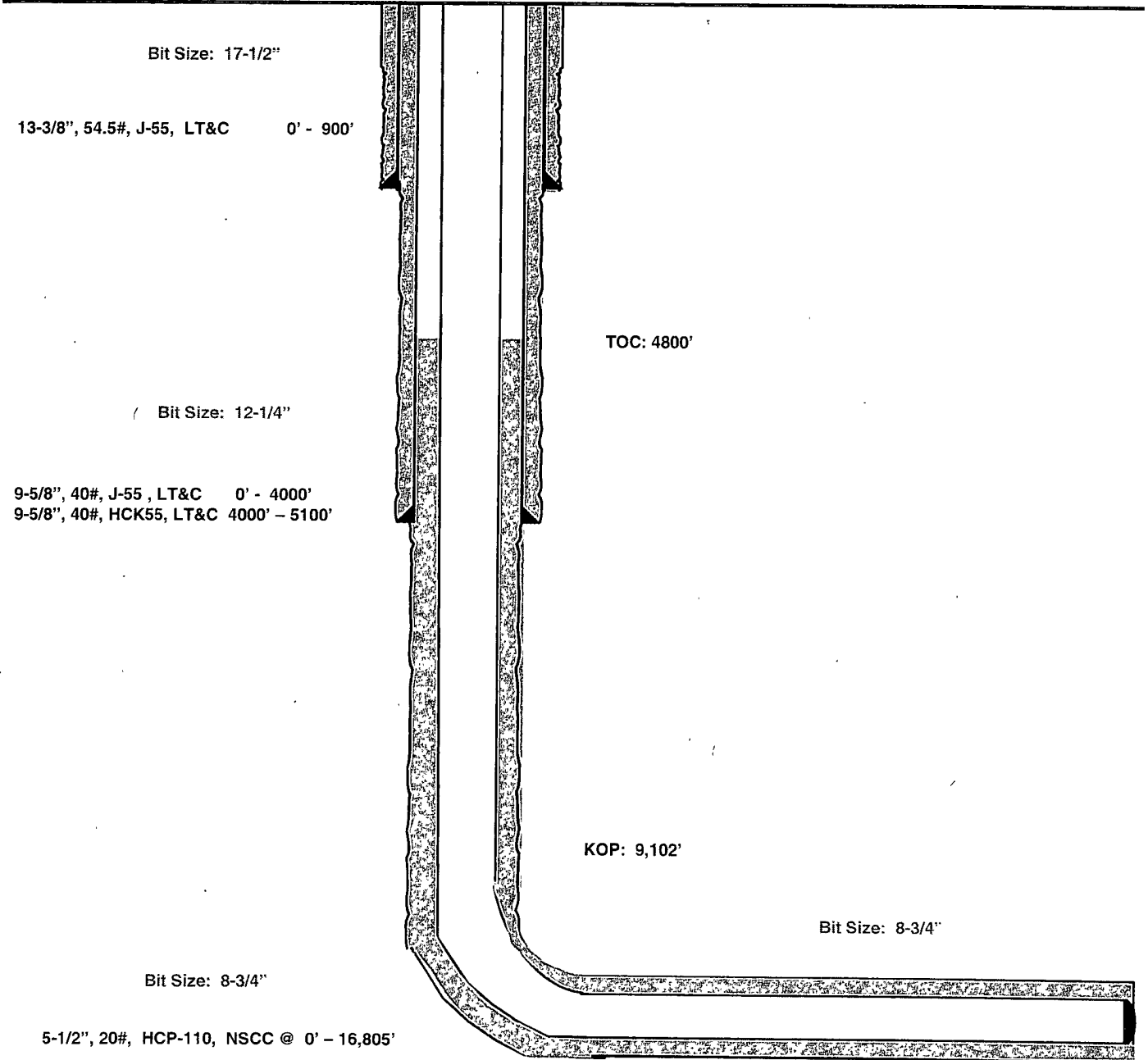
Fram 35 Fed. Com #2H
Red Hills
Lea County, New Mexico

50' FSL
870' FWL
Section 35
T-26-S, R-33-E

Proposed Wellbore

API: 30-025-

KB: 3,348.1'
GL: 3,318.1'



Bone Spring Sand Lateral: 16,805' MD, 9,580' TVD

BH Location: 330' FNL & 440' FWL
Section 26
T-26-S, R-33-E

Permit Information:

Well Name: Fram 35 Fed. Com No. 2H

Location:

SL: 50' FSL & 870' FWL, Section 35, T-26-S, R-33-E, Lea Co., N.M.

BHL: 330' FNL & 440' FWL, Section 26, T-26-S, R-33-E, Lea Co., N.M.

Casing Program:

Casing	Setting Depth	Hole Size	Casing 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	16,805'	8-3/4"	5-1/2"	20#	HCP-110 or P-110	4800'

*Coupling**STC**LTC**LTC**NSCC***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
16,805'	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' - 5,300'	Brine	10.0-10.2	28-34	N/c
5,300' - 8,500'	Fresh Water	8.4-8.6	28-34	N/c
9,142' - 16,805' Lateral	Cut Brine	9.0-9.5	28-34	N/c

EOG RESOURCES, INC.
FRAM 35 FED. COM NO. 2H

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

The estimated bottom hole temperature (BHT) at TD is 156 degrees F with an estimated maximum bottom-hole pressure (BHP) at TD of 4200 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
#2H
OH

HOBBS OCD

JUL 28 2011

RECEIVED

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.	Local Co-ordinate Reference:	Well #2H
Project:	Lea County	TVD Reference:	WELL @ 3348.10ft (30' KB Correction Cactus #12
Site:	Fram "35" Fed. Com	MD Reference:	WELL @ 3348.10ft (30' KB Correction Cactus #12
Well:	#2H	North Reference:	Grd
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	Plan #1	Database:	Midland Database

Project:	Lea County		
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:	Fram "35" Fed. Com		
Site Position:		Northing:	364,878.400 ft
From:	Map	Easting:	744,628.100 ft
Position Uncertainty:	0.00 ft	Slot Radius:	"
		Latitude:	32° 0' 2.556 N
		Longitude:	103° 32' 39.127 W
		Grid Convergence:	0.42 °

Well	#2H					
Well Position	+N/-S	0.00 ft	Northing:	364,709.100 ft	Latitude:	32° 0' 0.973 N
	+E/-W	0.00 ft	Easting:	743,339.400 ft	Longitude:	103° 32' 54.105 W
Position Uncertainty	0.00 ft		Wellhead Elevation:	ft	Ground Level:	3,318.10 ft

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF200510	11/29/10	7 61	60 02	48,572

Design		Plan #1		
Audit Notes:				
Version:	Phase:	PLAN	Tie On Depth:	0.00
Vertical Section:	Depth From (TVD)	+N/-S	+E/-W	Direction
	(ft)	(ft)	(ft)	(°)
	0.00	0.00	0.00	356.26

Survey Tool Program	Date	11/29/10		
From	To	Survey (Wellbore)	Tool Name	Description
(ft)	(ft)			
0.00	16,805.40	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
Well: #2H
Wellbore: OH
Design: Plan #1

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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	-3,348.10	0.00	0.00	0.00	0.00	364,709.10	743,339.40
100.00	0.00	0.00	100.00	-3,248.10	0.00	0.00	0.00	0.00	364,709.10	743,339.40
200.00	0.00	0.00	200.00	-3,148.10	0.00	0.00	0.00	0.00	364,709.10	743,339.40
300.00	0.00	0.00	300.00	-3,048.10	0.00	0.00	0.00	0.00	364,709.10	743,339.40
400.00	0.00	0.00	400.00	-2,948.10	0.00	0.00	0.00	0.00	364,709.10	743,339.40
500.00	0.00	0.00	500.00	-2,848.10	0.00	0.00	0.00	0.00	364,709.10	743,339.40
600.00	0.00	0.00	600.00	-2,748.10	0.00	0.00	0.00	0.00	364,709.10	743,339.40
700.00	0.00	0.00	700.00	-2,648.10	0.00	0.00	0.00	0.00	364,709.10	743,339.40
800.00	0.00	0.00	800.00	-2,548.10	0.00	0.00	0.00	0.00	364,709.10	743,339.40
900.00	0.00	0.00	900.00	-2,448.10	0.00	0.00	0.00	0.00	364,709.10	743,339.40
1,000.00	0.00	0.00	1,000.00	-2,348.10	0.00	0.00	0.00	0.00	364,709.10	743,339.40
1,100.00	0.00	0.00	1,100.00	-2,248.10	0.00	0.00	0.00	0.00	364,709.10	743,339.40
1,200.00	0.00	0.00	1,200.00	-2,148.10	0.00	0.00	0.00	0.00	364,709.10	743,339.40
1,300.00	0.00	0.00	1,300.00	-2,048.10	0.00	0.00	0.00	0.00	364,709.10	743,339.40
1,400.00	0.00	0.00	1,400.00	-1,948.10	0.00	0.00	0.00	0.00	364,709.10	743,339.40
1,500.00	0.00	0.00	1,500.00	-1,848.10	0.00	0.00	0.00	0.00	364,709.10	743,339.40
1,600.00	0.00	0.00	1,600.00	-1,748.10	0.00	0.00	0.00	0.00	364,709.10	743,339.40
1,700.00	0.00	0.00	1,700.00	-1,648.10	0.00	0.00	0.00	0.00	364,709.10	743,339.40
1,800.00	0.00	0.00	1,800.00	-1,548.10	0.00	0.00	0.00	0.00	364,709.10	743,339.40
1,900.00	0.00	0.00	1,900.00	-1,448.10	0.00	0.00	0.00	0.00	364,709.10	743,339.40
2,000.00	0.00	0.00	2,000.00	-1,348.10	0.00	0.00	0.00	0.00	364,709.10	743,339.40
2,100.00	0.00	0.00	2,100.00	-1,248.10	0.00	0.00	0.00	0.00	364,709.10	743,339.40
2,200.00	0.00	0.00	2,200.00	-1,148.10	0.00	0.00	0.00	0.00	364,709.10	743,339.40
2,300.00	0.00	0.00	2,300.00	-1,048.10	0.00	0.00	0.00	0.00	364,709.10	743,339.40
2,400.00	0.00	0.00	2,400.00	-948.10	0.00	0.00	0.00	0.00	364,709.10	743,339.40
2,500.00	0.00	0.00	2,500.00	-848.10	0.00	0.00	0.00	0.00	364,709.10	743,339.40
2,600.00	0.00	0.00	2,600.00	-748.10	0.00	0.00	0.00	0.00	364,709.10	743,339.40



Pathfinder
Pathfinder X & Y Planning Report

PATHFINDER
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Project: Lea County
Site: Fram "35" Fed Com
Well: #2H
Wellbore: OH
Design: Plan #1

Local Co-ordinate Reference: Well #2H
TVD Reference: WELL @ 3348.10ft (30' KB Correction Cactus #12
MD Reference: WELL @ 3348.10ft (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)
2,700.00	0.00	0.00	2,700.00	-648.10	0.00	0.00	0.00	0.00	364,709.10	743,339.40
2,800.00	0.00	0.00	2,800.00	-548.10	0.00	0.00	0.00	0.00	364,709.10	743,339.40
2,900.00	0.00	0.00	2,900.00	-448.10	0.00	0.00	0.00	0.00	364,709.10	743,339.40
3,000.00	0.00	0.00	3,000.00	-348.10	0.00	0.00	0.00	0.00	364,709.10	743,339.40
3,100.00	0.00	0.00	3,100.00	-248.10	0.00	0.00	0.00	0.00	364,709.10	743,339.40
3,200.00	0.00	0.00	3,200.00	-148.10	0.00	0.00	0.00	0.00	364,709.10	743,339.40
3,300.00	0.00	0.00	3,300.00	-48.10	0.00	0.00	0.00	0.00	364,709.10	743,339.40
3,400.00	0.00	0.00	3,400.00	51.90	0.00	0.00	0.00	0.00	364,709.10	743,339.40
3,500.00	0.00	0.00	3,500.00	151.90	0.00	0.00	0.00	0.00	364,709.10	743,339.40
3,600.00	0.00	0.00	3,600.00	251.90	0.00	0.00	0.00	0.00	364,709.10	743,339.40
3,700.00	0.00	0.00	3,700.00	351.90	0.00	0.00	0.00	0.00	364,709.10	743,339.40
3,800.00	0.00	0.00	3,800.00	451.90	0.00	0.00	0.00	0.00	364,709.10	743,339.40
3,900.00	0.00	0.00	3,900.00	551.90	0.00	0.00	0.00	0.00	364,709.10	743,339.40
4,000.00	0.00	0.00	4,000.00	651.90	0.00	0.00	0.00	0.00	364,709.10	743,339.40
4,100.00	0.00	0.00	4,100.00	751.90	0.00	0.00	0.00	0.00	364,709.10	743,339.40
4,200.00	0.00	0.00	4,200.00	851.90	0.00	0.00	0.00	0.00	364,709.10	743,339.40
4,300.00	0.00	0.00	4,300.00	951.90	0.00	0.00	0.00	0.00	364,709.10	743,339.40
4,400.00	0.00	0.00	4,400.00	1,051.90	0.00	0.00	0.00	0.00	364,709.10	743,339.40
4,500.00	0.00	0.00	4,500.00	1,151.90	0.00	0.00	0.00	0.00	364,709.10	743,339.40
4,600.00	0.00	0.00	4,600.00	1,251.90	0.00	0.00	0.00	0.00	364,709.10	743,339.40
4,700.00	0.00	0.00	4,700.00	1,351.90	0.00	0.00	0.00	0.00	364,709.10	743,339.40
4,800.00	0.00	0.00	4,800.00	1,451.90	0.00	0.00	0.00	0.00	364,709.10	743,339.40
4,900.00	0.00	0.00	4,900.00	1,551.90	0.00	0.00	0.00	0.00	364,709.10	743,339.40
5,000.00	0.00	0.00	5,000.00	1,651.90	0.00	0.00	0.00	0.00	364,709.10	743,339.40
5,100.00	0.00	0.00	5,100.00	1,751.90	0.00	0.00	0.00	0.00	364,709.10	743,339.40
5,200.00	0.00	0.00	5,200.00	1,851.90	0.00	0.00	0.00	0.00	364,709.10	743,339.40
5,300.00	0.00	0.00	5,300.00	1,951.90	0.00	0.00	0.00	0.00	364,709.10	743,339.40



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Pathfinder X & Y Planning Report

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A Schlumberger Company

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5,400.00	0.00	0.00	5,400.00	2,051.90	0.00	0.00	0.00	0.00	364,709.10	743,339.40
5,500.00	0.00	0.00	5,500.00	2,151.90	0.00	0.00	0.00	0.00	364,709.10	743,339.40
5,600.00	0.00	0.00	5,600.00	2,251.90	0.00	0.00	0.00	0.00	364,709.10	743,339.40
5,700.00	0.00	0.00	5,700.00	2,351.90	0.00	0.00	0.00	0.00	364,709.10	743,339.40
5,800.00	0.00	0.00	5,800.00	2,451.90	0.00	0.00	0.00	0.00	364,709.10	743,339.40
5,900.00	0.00	0.00	5,900.00	2,551.90	0.00	0.00	0.00	0.00	364,709.10	743,339.40
6,000.00	0.00	0.00	6,000.00	2,651.90	0.00	0.00	0.00	0.00	364,709.10	743,339.40
6,100.00	0.00	0.00	6,100.00	2,751.90	0.00	0.00	0.00	0.00	364,709.10	743,339.40
6,200.00	0.00	0.00	6,200.00	2,851.90	0.00	0.00	0.00	0.00	364,709.10	743,339.40
6,300.00	0.00	0.00	6,300.00	2,951.90	0.00	0.00	0.00	0.00	364,709.10	743,339.40
6,400.00	0.00	0.00	6,400.00	3,051.90	0.00	0.00	0.00	0.00	364,709.10	743,339.40
6,500.00	0.00	0.00	6,500.00	3,151.90	0.00	0.00	0.00	0.00	364,709.10	743,339.40
6,600.00	0.00	0.00	6,600.00	3,251.90	0.00	0.00	0.00	0.00	364,709.10	743,339.40
6,700.00	0.00	0.00	6,700.00	3,351.90	0.00	0.00	0.00	0.00	364,709.10	743,339.40
6,800.00	0.00	0.00	6,800.00	3,451.90	0.00	0.00	0.00	0.00	364,709.10	743,339.40
6,900.00	0.00	0.00	6,900.00	3,551.90	0.00	0.00	0.00	0.00	364,709.10	743,339.40
7,000.00	0.00	0.00	7,000.00	3,651.90	0.00	0.00	0.00	0.00	364,709.10	743,339.40
7,100.00	0.00	0.00	7,100.00	3,751.90	0.00	0.00	0.00	0.00	364,709.10	743,339.40
7,200.00	0.00	0.00	7,200.00	3,851.90	0.00	0.00	0.00	0.00	364,709.10	743,339.40
7,300.00	0.00	0.00	7,300.00	3,951.90	0.00	0.00	0.00	0.00	364,709.10	743,339.40
7,400.00	0.00	0.00	7,400.00	4,051.90	0.00	0.00	0.00	0.00	364,709.10	743,339.40
7,500.00	0.00	0.00	7,500.00	4,151.90	0.00	0.00	0.00	0.00	364,709.10	743,339.40
7,600.00	0.00	0.00	7,600.00	4,251.90	0.00	0.00	0.00	0.00	364,709.10	743,339.40
7,700.00	0.00	0.00	7,700.00	4,351.90	0.00	0.00	0.00	0.00	364,709.10	743,339.40
7,800.00	0.00	0.00	7,800.00	4,451.90	0.00	0.00	0.00	0.00	364,709.10	743,339.40
7,900.00	0.00	0.00	7,900.00	4,551.90	0.00	0.00	0.00	0.00	364,709.10	743,339.40
8,000.00	0.00	0.00	8,000.00	4,651.90	0.00	0.00	0.00	0.00	364,709.10	743,339.40



Pathfinder Pathfinder X & Y Planning Report



Company: EOG Resources, Inc.
Project: Lea County
Site: Fram "35" Fed. Com
Well: #2H
Wellbore: OH
Design: Plan #1

Local Co-ordinate Reference: Well #2H
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MD Reference: WELL @ 3348.10ft (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)
8,100.00	0.00	0 00	8,100 00	4,751.90	0.00	0 00	0.00	0 00	364,709.10	743,339.40
8,200.00	0.00	0 00	8,200 00	4,851.90	0.00	0 00	0.00	0 00	364,709 10	743,339.40
8,300.00	0 00	0 00	8,300.00	4,951.90	0 00	0.00	0 00	0 00	364,709 10	743,339.40
8,400.00	0.00	0 00	8,400.00	5,051.90	0 00	0.00	0 00	0 00	364,709 10	743,339.40
8,500 00	0.00	0 00	8,500.00	5,151 90	0 00	0.00	0 00	0.00	364,709 10	743,339 40
8,600.00	0.00	0 00	8,600.00	5,251 90	0 00	0.00	0.00	0 00	364,709.10	743,339.40
8,700.00	0.00	0 00	8,700.00	5,351.90	0.00	0.00	0 00	0 00	364,709 10	743,339.40
8,800 00	0 00	0 00	8,800.00	5,451 90	0 00	0.00	0.00	0.00	364,709 10	743,339.40
8,900.00	0.00	0 00	8,900 00	5,551 90	0 00	0 00	0 00	0 00	364,709 10	743,339.40
9,000.00	0 00	0.00	9,000 00	5,651.90	0.00	0 00	0.00	0 00	364,709.10	743,339.40
9,102.50	0.00	0 00	9,102 50	5,754 40	0 00	0.00	0.00	0.00	364,709.10	743,339.40
9,125 00	2.70	356 26	9,124 99	5,776.89	0 53	-0.03	0.53	12 00	364,709 63	743,339.37
9,150 00	5.70	356.26	9,149.92	5,801 82	2 36	-0.15	2.36	12 00	364,711 46	743,339.25
9,175 00	8 70	356.26	9,174 72	5,826 62	5.48	-0 36	5 49	12 00	364,714 58	743,339.04
9,200.00	11.70	356 26	9,199 32	5,851 22	9.90	-0 65	9 92	12 00	364,719 00	743,338 75
9,225.00	14 70	356 26	9,223 66	5,875.56	15 59	-1 02	15.63	12.00	364,724.69	743,338 38
9,250 00	17.70	356.26	9,247.67	5,899.57	22 55	-1.47	22.60	12.00	364,731 65	743,337 93
9,275 00	20.70	356.26	9,271.27	5,923.17	30.76	-2.01	30 82	12.00	364,739 86	743,337 39
9,300 00	23 70	356.26	9,294 42	5,946 32	40.18	-2.63	40 27	12 00	364,749 28	743,336 77
9,325 00	26.70	356 26	9,317 04	5,968 94	50.80	-3.32	50.91	12.00	364,759.90	743,336 08
9,350 00	29.70	356 26	9,339.07	5,990 97	62 59	-4.09	62 72	12 00	364,771.69	743,335 31
9,375 00	32.70	356.26	9,360 45	6,012.35	75.51	-4.94	75.67	12.00	364,784 61	743,334 46
9,400 00	35.70	356.26	9,381.12	6,033.02	89 53	-5.85	89.72	12 00	364,798.63	743,333.55
9,425 00	38 70	356.26	9,401 03	6,052.93	104 61	-6 84	104 83	12.00	364,813.71	743,332.56
9,450.00	41 70	356 26	9,420 13	6,072.03	120.71	-7 89	120.96	12.00	364,829.81	743,331 51
9,475 00	44.70	356 26	9,438 35	6,090 25	137 78	-9.01	138 07	12 00	364,846 88	743,330 39
9,500 00	47.70	356 26	9,455 65	6,107.55	155 78	-10 18	156.11	12 00	364,864 88	743,329 22

Company: EOG Resources, Inc.
Project: Lea County
Site: Fram "35" Fed. Com
Well: #2H
Wellbore: OH
Design: Plan #1

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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)
9,525.00	50.70	356.26	9,471.99	6,123.89	174.66	-11.42	175.04	12.00	364,883.76	743,327.98
9,550.00	53.70	356.26	9,487.31	6,139.21	194.37	-12.71	194.79	12.00	364,903.47	743,326.69
9,575.00	56.70	356.26	9,501.58	6,153.48	214.85	-14.04	215.31	12.00	364,923.95	743,325.36
9,600.00	59.70	356.26	9,514.75	6,166.65	236.05	-15.43	236.56	12.00	364,945.15	743,323.97
9,625.00	62.70	356.26	9,526.80	6,178.70	257.91	-16.86	258.46	12.00	364,967.01	743,322.54
9,650.00	65.70	356.26	9,537.68	6,189.58	280.37	-18.33	280.97	12.00	364,989.47	743,321.07
9,675.00	68.69	356.26	9,547.37	6,199.27	303.36	-19.83	304.01	12.00	365,012.46	743,319.57
9,700.00	71.69	356.26	9,555.84	6,207.74	326.83	-21.36	327.53	12.00	365,035.93	743,318.04
9,725.00	74.69	356.26	9,563.06	6,214.96	350.71	-22.93	351.46	12.00	365,059.81	743,316.47
9,750.00	77.69	356.26	9,569.03	6,220.93	374.93	-24.51	375.73	12.00	365,084.03	743,314.89
9,775.00	80.69	356.26	9,573.72	6,225.62	399.43	-26.11	400.29	12.00	365,108.53	743,313.29
9,800.00	83.69	356.26	9,577.11	6,229.01	424.15	-27.73	425.05	12.00	365,133.25	743,311.67
9,825.00	86.69	356.26	9,579.21	6,231.11	449.00	-29.35	449.96	12.00	365,158.10	743,310.05
9,850.00	89.69	356.26	9,579.99	6,231.89	473.93	-30.98	474.94	12.00	365,183.03	743,308.42
9,852.56	90.00	356.26	9,580.00	6,231.90	476.48	-31.15	477.50	12.00	365,185.58	743,308.25
9,900.00	90.00	356.26	9,580.00	6,231.90	523.83	-34.24	524.94	0.00	365,232.93	743,305.16
10,000.00	90.00	356.26	9,580.00	6,231.90	623.61	-40.76	624.94	0.00	365,332.71	743,298.64
10,100.00	90.00	356.26	9,580.00	6,231.90	723.40	-47.29	724.94	0.00	365,432.50	743,292.11
10,200.00	90.00	356.26	9,580.00	6,231.90	823.19	-53.81	824.94	0.00	365,532.29	743,285.59
10,300.00	90.00	356.26	9,580.00	6,231.90	922.97	-60.33	924.94	0.00	365,632.07	743,279.07
10,400.00	90.00	356.26	9,580.00	6,231.90	1,022.76	-66.86	1,024.94	0.00	365,731.86	743,272.54
10,500.00	90.00	356.26	9,580.00	6,231.90	1,122.55	-73.38	1,124.94	0.00	365,831.65	743,266.02
10,600.00	90.00	356.26	9,580.00	6,231.90	1,222.34	-79.90	1,224.94	0.00	365,931.44	743,259.50
10,700.00	90.00	356.26	9,580.00	6,231.90	1,322.12	-86.42	1,324.94	0.00	366,031.22	743,252.98
10,800.00	90.00	356.26	9,580.00	6,231.90	1,421.91	-92.95	1,424.94	0.00	366,131.01	743,246.45
10,900.00	90.00	356.26	9,580.00	6,231.90	1,521.70	-99.47	1,524.94	0.00	366,230.80	743,239.93
11,000.00	90.00	356.26	9,580.00	6,231.90	1,621.48	-105.99	1,624.94	0.00	366,330.58	743,233.41



Pathfinder
Pathfinder X & Y Planning Report

PATHFINDER
A Schlumberger Company

Company: EOG Resources, Inc
Project: Lea County
Site: Fram "35" Fed. Com
Well: #2H
Wellbore: OH
Design: Plan #1

Local Co-ordinate Reference: Well #2H
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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)
11,100.00	90.00	356.26	9,580.00	6,231.90	1,721.27	-112.52	1,724.94	0.00	366,430.37	743,226.88
11,200.00	90.00	356.26	9,580.00	6,231.90	1,821.06	-119.04	1,824.94	0.00	366,530.16	743,220.36
11,300.00	90.00	356.26	9,580.00	6,231.90	1,920.85	-125.56	1,924.94	0.00	366,629.95	743,213.84
11,400.00	90.00	356.26	9,580.00	6,231.90	2,020.63	-132.09	2,024.94	0.00	366,729.73	743,207.31
11,500.00	90.00	356.26	9,580.00	6,231.90	2,120.42	-138.61	2,124.94	0.00	366,829.52	743,200.79
11,600.00	90.00	356.26	9,580.00	6,231.90	2,220.21	-145.13	2,224.94	0.00	366,929.31	743,194.27
11,700.00	90.00	356.26	9,580.00	6,231.90	2,319.99	-151.65	2,324.94	0.00	367,029.09	743,187.75
11,800.00	90.00	356.26	9,580.00	6,231.90	2,419.78	-158.18	2,424.94	0.00	367,128.88	743,181.22
11,900.00	90.00	356.26	9,580.00	6,231.90	2,519.57	-164.70	2,524.94	0.00	367,228.67	743,174.70
12,000.00	90.00	356.26	9,580.00	6,231.90	2,619.35	-171.22	2,624.94	0.00	367,328.45	743,168.18
12,100.00	90.00	356.26	9,580.00	6,231.90	2,719.14	-177.75	2,724.94	0.00	367,428.24	743,161.65
12,200.00	90.00	356.26	9,580.00	6,231.90	2,818.93	-184.27	2,824.94	0.00	367,528.03	743,155.13
12,300.00	90.00	356.26	9,580.00	6,231.90	2,918.72	-190.79	2,924.94	0.00	367,627.82	743,148.61
12,400.00	90.00	356.26	9,580.00	6,231.90	3,018.50	-197.31	3,024.94	0.00	367,727.60	743,142.09
12,500.00	90.00	356.26	9,580.00	6,231.90	3,118.29	-203.84	3,124.94	0.00	367,827.39	743,135.56
12,600.00	90.00	356.26	9,580.00	6,231.90	3,218.08	-210.36	3,224.94	0.00	367,927.18	743,129.04
12,700.00	90.00	356.26	9,580.00	6,231.90	3,317.86	-216.88	3,324.94	0.00	368,026.96	743,122.52
12,800.00	90.00	356.26	9,580.00	6,231.90	3,417.65	-223.41	3,424.94	0.00	368,126.75	743,115.99
12,900.00	90.00	356.26	9,580.00	6,231.90	3,517.44	-229.93	3,524.94	0.00	368,226.54	743,109.47
13,000.00	90.00	356.26	9,580.00	6,231.90	3,617.22	-236.45	3,624.94	0.00	368,326.32	743,102.95
13,100.00	90.00	356.26	9,580.00	6,231.90	3,717.01	-242.97	3,724.94	0.00	368,426.11	743,096.43
13,200.00	90.00	356.26	9,580.00	6,231.90	3,816.80	-249.50	3,824.94	0.00	368,525.90	743,089.90
13,300.00	90.00	356.26	9,580.00	6,231.90	3,916.59	-256.02	3,924.94	0.00	368,625.69	743,083.38
13,400.00	90.00	356.26	9,580.00	6,231.90	4,016.37	-262.54	4,024.94	0.00	368,725.47	743,076.86
13,500.00	90.00	356.26	9,580.00	6,231.90	4,116.16	-269.07	4,124.94	0.00	368,825.26	743,070.33
13,600.00	90.00	356.26	9,580.00	6,231.90	4,215.95	-275.59	4,224.94	0.00	368,925.05	743,063.81
13,700.00	90.00	356.26	9,580.00	6,231.90	4,315.73	-282.11	4,324.94	0.00	369,024.83	743,057.29



Pathfinder
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13,800.00	90.00	356.26	9,580.00	6,231.90	4,415.52	-288.63	4,424.94	0.00	369,124.62	743,050.77
13,900.00	90.00	356.26	9,580.00	6,231.90	4,515.31	-295.16	4,524.94	0.00	369,224.41	743,044.24
14,000.00	90.00	356.26	9,580.00	6,231.90	4,615.10	-301.68	4,624.94	0.00	369,324.20	743,037.72
14,100.00	90.00	356.26	9,580.00	6,231.90	4,714.88	-308.20	4,724.94	0.00	369,423.98	743,031.20
14,200.00	90.00	356.26	9,580.00	6,231.90	4,814.67	-314.73	4,824.94	0.00	369,523.77	743,024.67
14,300.00	90.00	356.26	9,580.00	6,231.90	4,914.46	-321.25	4,924.94	0.00	369,623.56	743,018.15
14,400.00	90.00	356.26	9,580.00	6,231.90	5,014.24	-327.77	5,024.94	0.00	369,723.34	743,011.63
14,500.00	90.00	356.26	9,580.00	6,231.90	5,114.03	-334.29	5,124.94	0.00	369,823.13	743,005.11
14,600.00	90.00	356.26	9,580.00	6,231.90	5,213.82	-340.82	5,224.94	0.00	369,922.92	742,998.58
14,700.00	90.00	356.26	9,580.00	6,231.90	5,313.60	-347.34	5,324.94	0.00	370,022.70	742,992.06
14,800.00	90.00	356.26	9,580.00	6,231.90	5,413.39	-353.86	5,424.94	0.00	370,122.49	742,985.54
14,900.00	90.00	356.26	9,580.00	6,231.90	5,513.18	-360.39	5,524.94	0.00	370,222.28	742,979.01
15,000.00	90.00	356.26	9,580.00	6,231.90	5,612.97	-366.91	5,624.94	0.00	370,322.07	742,972.49
15,100.00	90.00	356.26	9,580.00	6,231.90	5,712.75	-373.43	5,724.94	0.00	370,421.85	742,965.97
15,200.00	90.00	356.26	9,580.00	6,231.90	5,812.54	-379.96	5,824.94	0.00	370,521.64	742,959.44
15,300.00	90.00	356.26	9,580.00	6,231.90	5,912.33	-386.48	5,924.94	0.00	370,621.43	742,952.92
15,400.00	90.00	356.26	9,580.00	6,231.90	6,012.11	-393.00	6,024.94	0.00	370,721.21	742,946.40
15,500.00	90.00	356.26	9,580.00	6,231.90	6,111.90	-399.52	6,124.94	0.00	370,821.00	742,939.88
15,600.00	90.00	356.26	9,580.00	6,231.90	6,211.69	-406.05	6,224.94	0.00	370,920.79	742,933.35
15,700.00	90.00	356.26	9,580.00	6,231.90	6,311.47	-412.57	6,324.94	0.00	371,020.57	742,926.83
15,800.00	90.00	356.26	9,580.00	6,231.90	6,411.26	-419.09	6,424.94	0.00	371,120.36	742,920.31
15,900.00	90.00	356.26	9,580.00	6,231.90	6,511.05	-425.62	6,524.94	0.00	371,220.15	742,913.78
16,000.00	90.00	356.26	9,580.00	6,231.90	6,610.84	-432.14	6,624.94	0.00	371,319.94	742,907.26
16,100.00	90.00	356.26	9,580.00	6,231.90	6,710.62	-438.66	6,724.94	0.00	371,419.72	742,900.74
16,200.00	90.00	356.26	9,580.00	6,231.90	6,810.41	-445.18	6,824.94	0.00	371,519.51	742,894.22
16,300.00	90.00	356.26	9,580.00	6,231.90	6,910.20	-451.71	6,924.94	0.00	371,619.30	742,887.69
16,400.00	90.00	356.26	9,580.00	6,231.90	7,009.98	-458.23	7,024.94	0.00	371,719.08	742,881.17



Pathfinder
Pathfinder X & Y Planning Report

PATHFINDER
A Schlumberger Company

Company: EOG Resources, Inc.
Project: Lea County
Site: Fram "35" Fed. Com
Well: #2H
Wellbore: OH
Design: Plan #1

Local Co-ordinate Reference: Well #2H
TVD Reference: WELL @ 3348.10ft (30' KB Correction Cactus #12
MD Reference: WELL @ 3348.10ft (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)
16,500.00	90.00	356.26	9,580.00	6,231.90	7,109.77	-464.75	7,124.94	0.00	371,818.87	742,874.65
16,600.00	90.00	356.26	9,580.00	6,231.90	7,209.56	-471.28	7,224.94	0.00	371,918.66	742,868.12
16,700.00	90.00	356.26	9,580.00	6,231.90	7,309.34	-477.80	7,324.94	0.00	372,018.44	742,861.60
16,805.40	90.00	356.26	9,580.00	6,231.90	7,414.52	-484.67	7,430.35	0.00	372,123.62	742,854.73

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(Fram35#2) - plan hits target center - Point	0.00	0.00	9,580.00	7,414.50	-485.00	372,123.600	742,854.400	32° 1' 14.381 N	103° 32' 59.113 W

Checked By: _____ Approved By: _____ Date: _____



Project: Lea County
Site: Fram "35" Fed. Com
Well: #2H
Wellbore: OH
Plan: Plan #1 (#2H/OH)



Azimuths to Grid North
True North: -0.42°
Magnetic North: 7.20°

Magnetic Field
Strength: 48572.0snT
Dip Angle: 60.01°
Date: 11/29/2010
Model: IGRF200510

PATHFINDER

A Schlumberger Company

WELL DETAILS #2H

Ground Elevation 3318.10
RKB Elevation WELL @ 3348.10ft (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	364709 100	743339 400	32° 0' 0 973 N	103° 32' 54 105 W	

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	9102.50	0.00	0.00	9102.50	0.00	0.00	0.00	0.00	0.00	
3	9852.56	90.00	356.26	9580.00	476.48	-31.15	12.00	356.26	477.50	
4	16805.40	90.00	356.26	9580.00	7414.52	-484.67	0.00	0.00	7430.35	PBHL(Fram35#2)

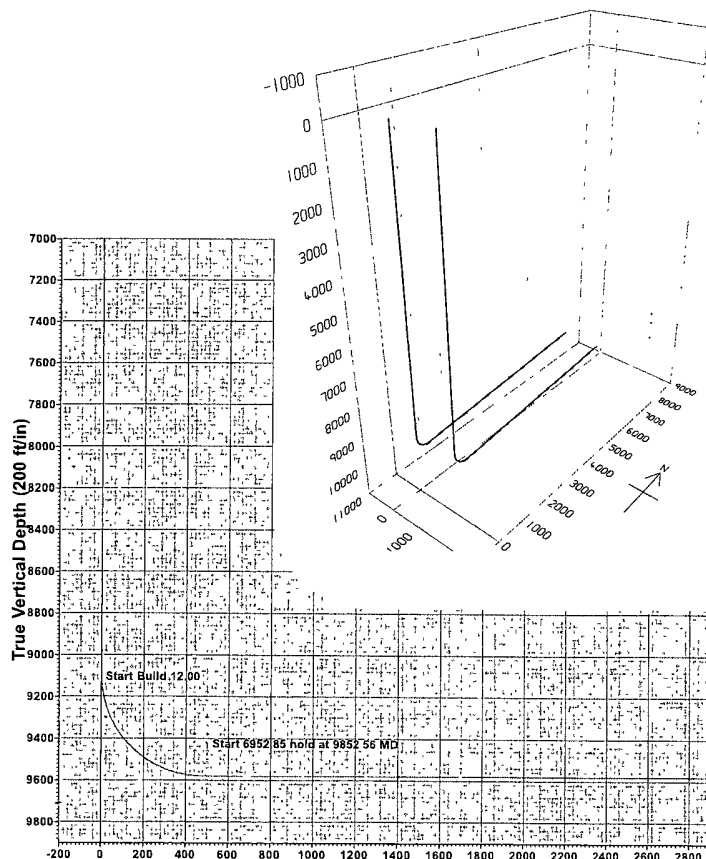
WELLBORE TARGET DETAILS (MAP CO-ORDINATES)

Name	TVD	+N/-S	+E/-W	Northing	Easting	Shape
PBHL(Fram35#2)	9580.00	7414.50	-485.00	372123.600	742854.400	Point

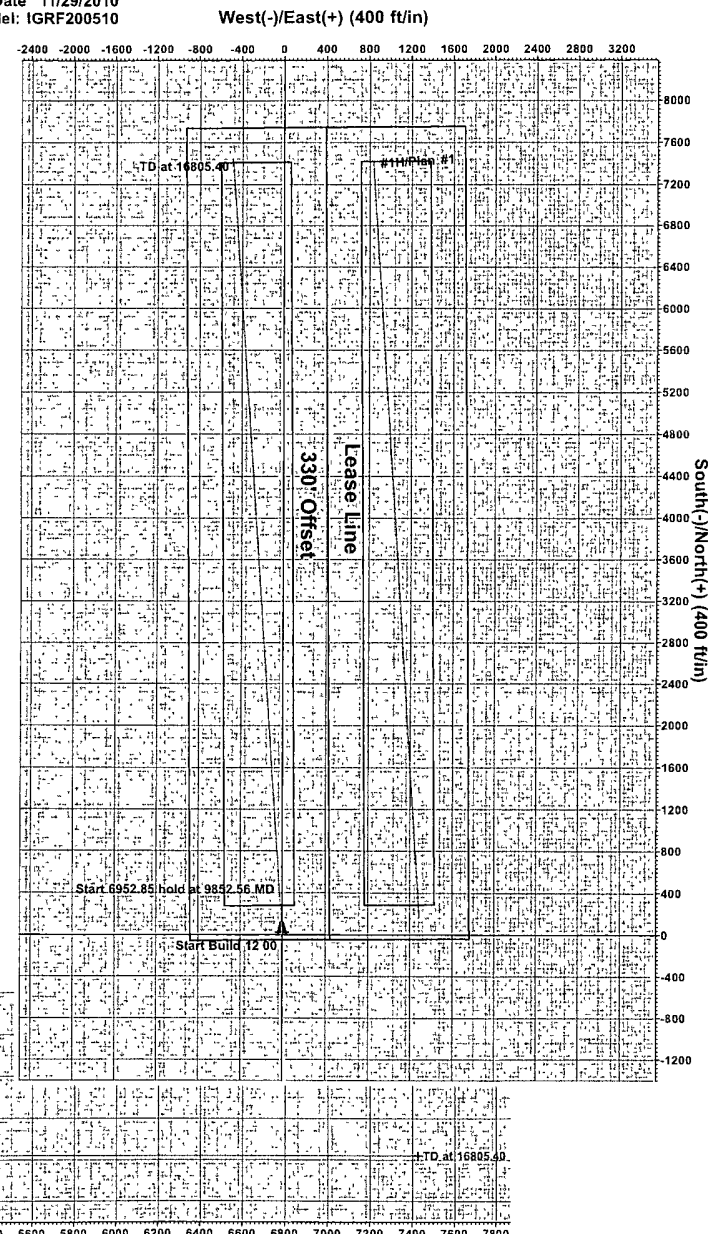
PROJECT DETAILS: Lea County
Geodetic System: US State Plane 1927 (Exact solution)
Datum: NAD 1927 (NADCON CONUS)
Ellipsoid: Clarke 1866
Zone: New Mexico East 3001
System Datum: Mean Sea Level
Local North: Grid

LEGEND

- #1H, OH, Plan #1 V0
- Plan #1



Vertical Section at 356.26° (200 ft/in)

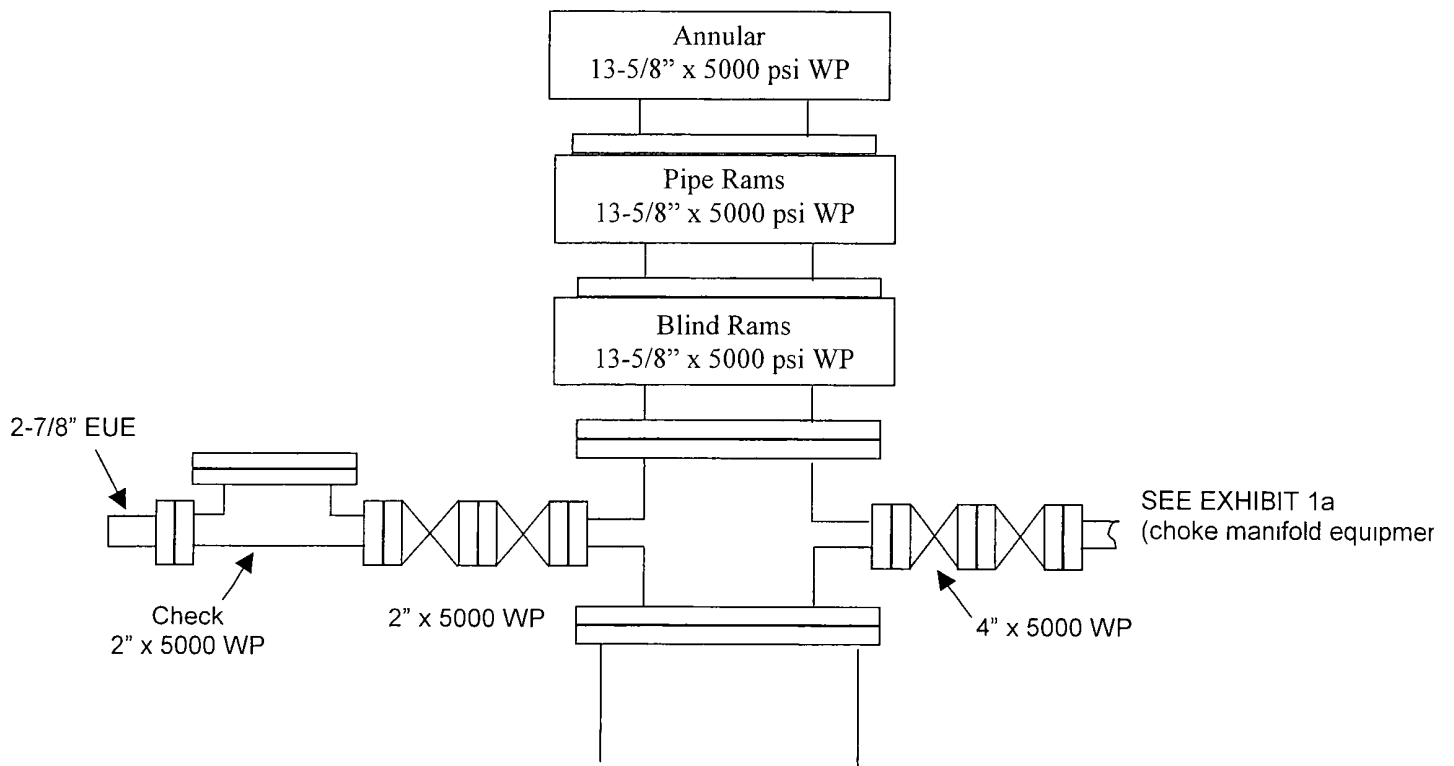


Plan, Plan #1 (#2H/OH)

Created By Nate Bingham Date 9 22, November 29 2010

EXHIBIT 1

EOG Resources
Fram 35 Fed. Com No. 2H

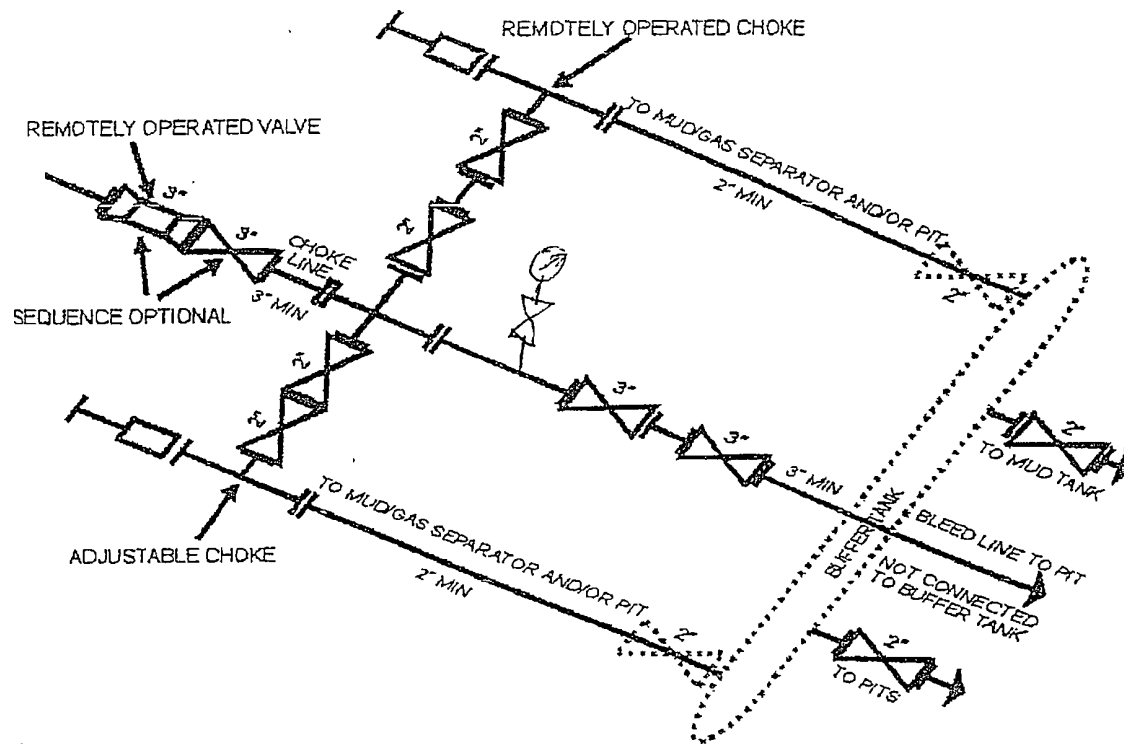


EOG RESOURCES, INC.
FRAM 35 FED COM 2H

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

