

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB NO. 1004-0137
Expires March 31, 2007

MAR 13 2008

SUNDRY NOTICES AND REPORTS ON WELLS

OCD-ARTESIA

Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE - Other instructions on reverse side

1 Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2 Name of Operator

EOG Resources Inc.

3a. Address

P.O. Box 2267 Midland, Texas 79702

3b. Phone No. (include area code)

432-686-3689

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

480' FNL & 660' FEL, U/L A

Sec 8, T18S, R30E

5. Lease Serial No.

NMTC 063621A

6 If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.

8. Well Name and No.

Oatmeal 8 Fed 3H

9. API Well No.

30-015-34504

10. Field and Pool, or Exploratory Area

Sand Tank; Bone Spring

11. County or Parish, State

Eddy

NM

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☐ Notice of Intent
☒ Subsequent Report
☐ Final Abandonment Notice

TYPE OF ACTION

- | | | | |
|---|---|--|---|
| ☐ Acidize | ☐ Deepen | ☐ Production (Start/Resume) | ☐ Water Shut-Off |
| ☐ Alter Casing | ☐ Fracture Treat | ☐ Reclamation | ☐ Well Integrity |
| ☐ Casing Repair | ☐ New Construction | ☐ Recomplete | ☒ Other |
| ☐ Change Plans | ☐ Plug and Abandon | ☐ Temporarily Abandon | <u>completion</u> |
| ☐ Convert to Injection | ☐ Plug Back | ☐ Water Disposal | |

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleate horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleation in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the final site is ready for final inspection.)

1/29/08 TD at 11315' MD.

1/30/08 Ran 97 jts 4-1/2", 11.6 #, P-110 & 163 jts 5-1/2", 17 #, N-80 casing set at 11272'.
Cemented w/ 750 sx 50/50 POZ C, 11.8 ppg, 2.29 yield; 750 sx 50/50 POZ H, 14.2 ppg, 1.30 yield.
Circulated 272 sx to surface.

1/31/08 Released rig.

2/08/08 MIRU for completion.

2/09/08 RIH to clean out to 11161' PBTD.

2/10/08 Perforated from 10297' to 11100', 0.42", 34 holes.

2/14/08 Frac w/ 95 bbls 7.5% HCL acid, 95 bbls 25 # Linear gel, 1654 bbls XL gel, 99040 lbs 16/30 sand, 49620 lbs 16/30 Super LC sand, 2488 bbls load water.
Perforated from 9300' to 9900', 0.42", 38 holes.

2/15/08 Frac w/ 190 bbls 7.5% HCL acid, 380 bbls 25 # Linear gel, 1621 bbls XL gel, 99780 lbs 16/30 sd, 50195 lbs 16/30 Super LC sand, 2546 bbls load water.

Perforated from 8300' to 9100', 0.42", 38 holes.

Frac w/ 95 bbls 7.5% HCL acid, 95 bbls 25 # Linear gel, 1592 bbls XL gel, 102240 lbs 16/30 sand, 50195 lbs 16/30 Super LC sand, 1942 bbls load water. Flowback.

14. I hereby certify that the foregoing is true and correct
Name (Printed/Typed)

Stan Wagner

Title

Regulatory Analyst

Signature

Stan Wagner

Date

2/22/08

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Title

Date

Conditions of approval, if any, are attached. Approval of this notice 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.

Office

Title 18 U.S.C. Section 1001, and Title 43 U.S.C. Section 1212, makes 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.

EOG Resources, Inc.

Oatmeal 8 FED

Oatmeal 8 FED #3H

Oatmeal 8 FED #3H

OH

Survey: Gyro Survey

Pathfinder Survey Report

18 February, 2008

WHS

Pathfinder Survey Report

Company: EOG Resources, Inc.
Project: Oatmeal 8 FED
Site: Oatmeal 8 FED #3H
Well: Oatmeal 8 FED #3H
Wellbore: OH
Design: OH

Local Co-ordinate Reference: Well Oatmeal 8 FED #3H
TVD Reference: EST RKB @ 3526.00ft
MD Reference: EST RKB @ 3526.00ft
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: EDM 2003.16 Single User Db

Project:	Oatmeal 8 FED		
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		Oatmeal 8 FED #3H			
Site Position:		Northing:	643,210.000 ft	Latitude:	32° 46' 4.075 N
From:	Map	Easting:	606,400.000 ft	Longitude:	103° 59' 13.874 W
Position Uncertainty:	0.00 ft	Slot Radius:	"	Grid Convergence:	0 19 °

Well:	Oatmeal 8 FED #3H					
Well Position	+N-S	0.00 ft	Northing:	643,210.000 ft	Latitude:	32° 46' 4.075 N
	+E-W	0.00 ft	Easting:	606,400.000 ft	Longitude:	103° 59' 13.874 W
Position Uncertainty		0.00 ft	Wellhead Elevation:	ft	Ground Level:	3,526.00 ft

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF200510	1/17/2008	8.21	60.71	49,260

Design:	OH			
Audit Notes:				
Version:	1.0	Phase:	ACTUAL	Tie On Depth: 0.00
Vertical Section:	Depth From (TVD)	+N/-S	+E/-W	Direction
	(ft)	(ft)	(ft)	(°)
	0.00	0.00	0.00	179.81

Survey Program		Date 2/15/2008		
From	To	Survey (Wellbore)	Tool Name	Description
(ft)	(ft)			
100.00	6,570.00	Gyro Survey (OH)	CT_GYRO_MS	Continuous Gyro Multishot
6,691.00	11,315.00	Survey #1 (OH)	MWD	MWD - Standard

Survey:									
MD	Inc	Azi	TVD	N/S	E/W	V. Sec	DLeg		
(ft)	(°)	(°)	(ft)	(ft)	(ft)	(ft)	(°/100ft)		
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00
100.00	0.07	323.54	100.00	0.05	-0.04	-0.05	0.07		0.07
200.00	0.41	341.05	200.00	0.44	-0.19	-0.44	0.34		0.34
300.00	0.44	338.91	300.00	1.13	-0.44	-1.13	0.03		0.03
400.00	0.44	317.38	399.99	1.77	-0.84	-1.78	0.16		0.16
500.00	0.69	312.35	499.99	2.46	-1.55	-2.47	0.25		0.25
600.00	0.49	316.89	599.98	3.18	-2.28	-3.19	0.21		0.21
700.00	0.56	308.49	699.98	3.80	-2.96	-3.81	0.10		0.10
800.00	0.47	307.64	799.97	4.35	-3.67	-4.36	0.09		0.09
900.00	0.41	326.19	899.97	4.90	-4.19	-4.91	0.15		0.15
1,000.00	0.47	348.24	999.97	5.60	-4.47	-5.61	0.18		0.18

WHS

Pathfinder Survey Report

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Well: Oatmeal 8 FED #3H
Wellbore: OH
Design: OH

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TVD Reference: EST RKB @ 3526.00ft
MD Reference: EST RKB @ 3526.00ft
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: EDM 2003.16 Single User Db

Survey								
MD (ft)	Inc (°)	Azi (°)	TVD (ft)	N/S (ft)	E/W (ft)	V. Sec (ft)	DLeg (°/100ft)	
1,100.00	0.64	4.68	1,099.96	6.56	-4.51	-6.57	0.23	
1,200.00	1.18	30.42	1,199.95	8.00	-3.94	-8.01	0.66	
1,300.00	1.46	38.11	1,299.93	9.89	-2.64	-9.90	0.33	
1,400.00	1.35	33.35	1,399.90	11.88	-1.20	-11.88	0.16	
1,500.00	1.18	27.70	1,499.87	13.77	-0.08	-13.77	0.21	
1,600.00	1.11	22.56	1,599.85	15.58	0.77	-15.58	0.12	
1,700.00	1.10	22.04	1,699.83	17.36	1.51	-17.36	0.01	
1,800.00	1.10	24.35	1,799.81	19.13	2.26	-19.12	0.04	
1,900.00	0.76	26.95	1,899.80	20.59	2.96	-20.58	0.34	
2,000.00	0.73	11.18	1,999.79	21.81	3.38	-21.80	0.21	
2,100.00	0.59	5.00	2,099.79	22.95	3.55	-22.94	0.16	
2,200.00	0.71	12.84	2,199.78	24.06	3.73	-24.05	0.15	
2,300.00	0.74	11.45	2,299.77	25.30	4.00	-25.29	0.03	
2,400.00	0.42	25.64	2,399.77	26.26	4.29	-26.25	0.35	
2,500.00	0.78	7.80	2,499.76	27.27	4.54	-27.25	0.40	
2,600.00	0.70	8.15	2,599.75	28.55	4.72	-28.53	0.08	
2,700.00	0.73	9.80	2,699.74	29.78	4.91	-29.76	0.04	
2,800.00	0.63	4.18	2,799.74	30.96	5.06	-30.94	0.12	
2,900.00	0.58	12.50	2,899.73	32.00	5.21	-31.98	0.10	
3,000.00	0.61	5.29	2,999.73	33.02	5.37	-33.01	0.08	
3,100.00	0.54	6.73	3,099.72	34.02	5.47	-34.00	0.07	
3,200.00	0.57	349.23	3,199.72	34.98	5.43	-34.96	0.17	
3,300.00	0.64	353.63	3,299.71	36.02	5.28	-36.00	0.08	
3,400.00	0.63	355.69	3,399.70	37.12	5.18	-37.11	0.02	
3,500.00	0.63	356.18	3,499.70	38.22	5.10	-38.20	0.01	
3,600.00	0.63	38.83	3,599.69	39.20	5.41	-39.18	0.46	
3,700.00	0.67	41.25	3,699.69	40.07	6.14	-40.05	0.05	
3,800.00	0.75	71.80	3,799.68	40.71	7.14	-40.69	0.38	
3,900.00	0.71	76.24	3,899.67	41.06	8.37	-41.03	0.07	
4,000.00	0.77	75.37	3,999.66	41.38	9.62	-41.35	0.06	
4,100.00	0.70	71.11	4,099.65	41.75	10.85	-41.71	0.09	
4,200.00	0.61	63.23	4,199.65	42.18	11.90	-42.14	0.13	
4,300.00	0.59	59.47	4,299.64	42.69	12.82	-42.64	0.04	
4,400.00	0.50	79.76	4,399.64	43.02	13.69	-42.98	0.21	
4,500.00	0.34	59.12	4,499.64	43.25	14.38	-43.21	0.22	
4,600.00	0.66	64.31	4,599.63	43.66	15.15	-43.61	0.32	
4,700.00	0.73	66.37	4,699.62	44.16	16.25	-44.11	0.07	
4,800.00	0.60	56.03	4,799.62	44.71	17.27	-44.65	0.18	
4,900.00	0.60	54.15	4,899.61	45.31	18.13	-45.25	0.02	
5,000.00	0.64	46.80	4,999.61	46.00	18.96	-45.93	0.09	
5,100.00	0.64	43.46	5,099.60	46.79	19.75	-46.72	0.04	
5,200.00	0.67	18.32	5,199.59	47.75	20.32	-47.68	0.29	
5,300.00	0.64	40.09	5,299.59	48.73	20.86	-48.66	0.25	
5,400.00	0.75	33.44	5,399.58	49.70	21.58	-49.63	0.14	

WHS

Pathfinder Survey Report

Company: EOG Resources, Inc.
Project: Oatmeal 8 FED
Site: Oatmeal 8 FED #3H
Well: Oatmeal 8 FED #3H
Wellbore: OH
Design: OH

Local Co-ordinate Reference: Well Oatmeal 8 FED #3H
TVD Reference: EST RKB @ 3526.00ft
MD Reference: EST RKB @ 3526.00ft
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: EDM 2003.16 Single User Db

Survey								
MD (ft)	Inc (°)	Azi (°)	TVD (ft)	N/S (ft)	E/W (ft)	V. Sec (ft)	DLeg (°/100ft)	
5,500.00	0.78	30.52	5,499.57	50.83	22.29	-50.76	0.05	
5,600.00	1.05	357.09	5,599.56	52.34	22.59	-52.26	0.59	
5,700.00	1.05	4.57	5,699.54	54.16	22.62	-54.09	0.14	
5,800.00	1.10	351.91	5,799.52	56.03	22.55	-55.95	0.24	
5,900.00	1.06	352.34	5,899.51	57.89	22.30	-57.82	0.04	
6,000.00	1.09	350.74	5,999.49	59.75	22.02	-59.68	0.04	
6,100.00	1.24	352.53	6,099.47	61.76	21.73	-61.69	0.15	
6,200.00	1.51	348.10	6,199.44	64.12	21.31	-64.05	0.29	
6,300.00	2.08	345.66	6,299.39	67.17	20.59	-67.10	0.57	
6,400.00	2.01	346.80	6,399.33	70.64	19.74	-70.57	0.08	
6,500.00	2.28	352.07	6,499.26	74.31	19.07	-74.25	0.33	
6,570.00	2.41	353.99	6,569.20	77.16	18.72	-77.09	0.22	

Targets									
Target Name	Dip Angle	Dip Dir.	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
- hit/miss target	(°)	(°)	(ft)	(ft)	(ft)	(ft)	(ft)		
- Shape									
BHL	0.00	0.00	8,084.00	-4,469.00	15.00	638,741.000	606,415.000	32° 45' 19.852 N	103° 59' 13.869 W
- survey misses by 4791.89ft at 6570.00ft MD (6569.20 TVD, 77.16 N, 18.72 E)									
- Point									

Checked By: _____ Approved By: _____ Date: _____

EOG Resources, Inc.

Oatmeal 8 FED

Oatmeal 8 FED #3H

Oatmeal 8 FED #3H

OH

Survey: Survey #1

Pathfinder Survey Report

30 January, 2008



Azimuths to Grid North
True North: -0.19°
Magnetic North: 8.03°

Magnetic Field
Strength: 49260.5nT
Dip Angle: 60.71°
Date: 1/17/2008
Model: IGRF200510

Project: Oatmeal 8 FED
Site: Oatmeal 8 FED #3H
Well: Oatmeal 8 FED #3H
Wellbore: OH
Plan: Plan #1 (Oatmeal 8 FED #3H/OH)

PATHFINDER
ENERGY SERVICES

EOW

WELL DETAILS: Oatmeal 8 FED #3H

Ground Elevation:: 3526.00
RKB Elevation: EST RKB @ 3526.00ft
Rig Name:

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
0.00	0.00	643210.000	606400.000	32° 46' 4.075 N	103° 59' 13.874 W	

SECTION DETAILS

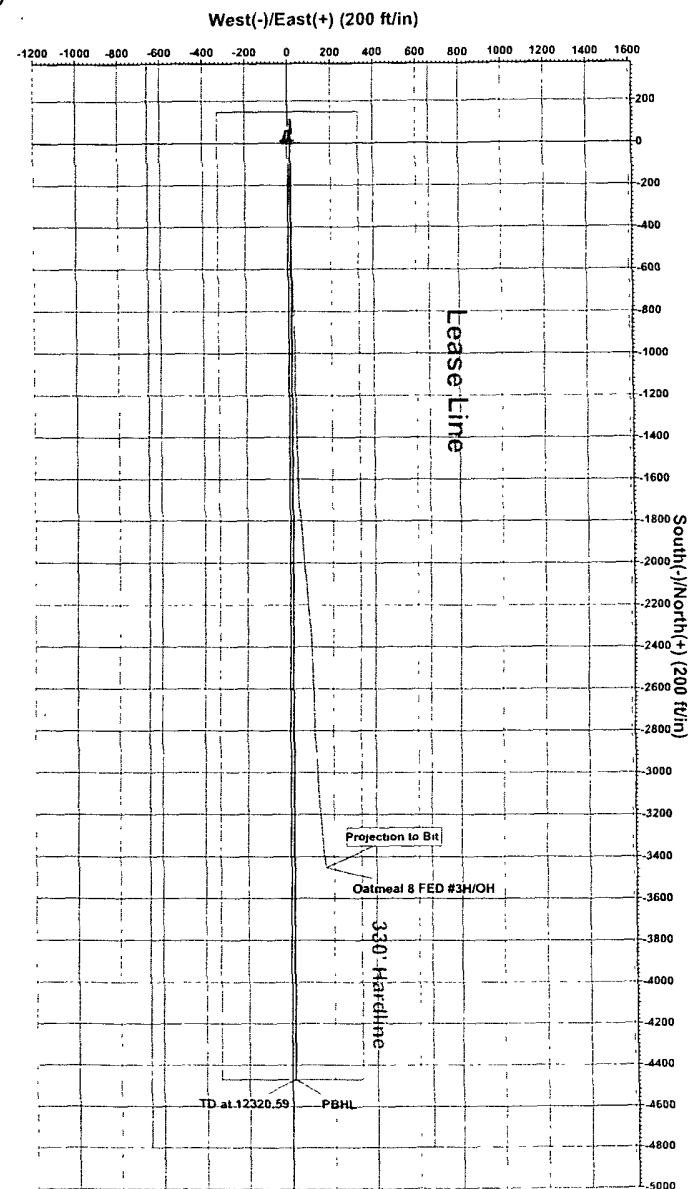
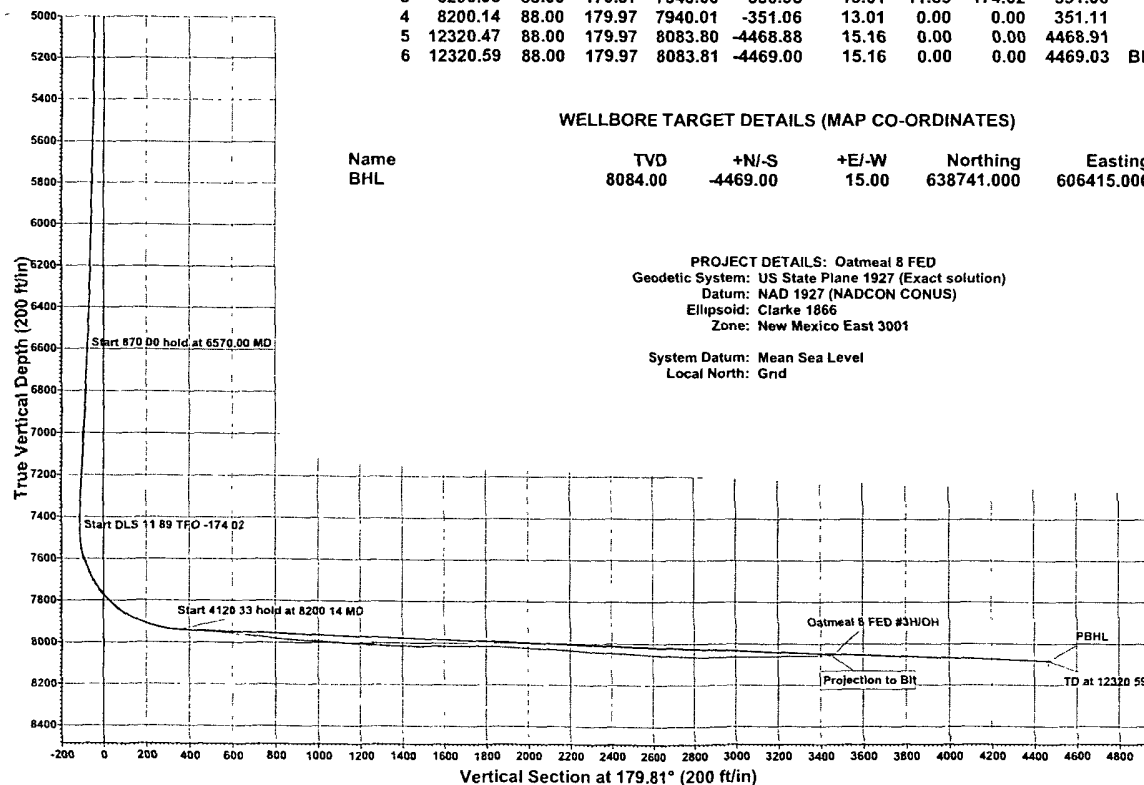
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	6570.00	2.41	353.99	6569.20	77.16	18.72	0.00	0.00	-77.09	
2	7440.00	2.41	353.99	7438.43	113.54	14.89	0.00	0.00	-113.49	
3	8200.03	88.00	179.97	7940.00	-350.95	13.01	11.89	-174.02	351.00	
4	8200.14	88.00	179.97	7940.01	-351.06	13.01	0.00	0.00	351.11	
5	12320.47	88.00	179.97	8083.80	-4468.88	15.16	0.00	0.00	4468.91	
6	12320.59	88.00	179.97	8083.81	-4469.00	15.16	0.00	0.00	4469.03	BHL

WELLBORE TARGET DETAILS (MAP CO-ORDINATES)

Name	TVD	+N/-S	+E/-W	Northing	Easting	Shape
BHL	8084.00	-4469.00	15.00	638741.000	606415.000	Point

PROJECT DETAILS: Oatmeal 8 FED
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: Grd



Plan Plan #1 (Oatmeal 8 FED #3H/OH)
Created By Mark Freeman Date 13.53, January 30 2008
Checked _____ Date _____

WHS

Pathfinder Survey Report

Company: EOG Resources, Inc.
Project: Oatmeal 8 FED
Site: Oatmeal 8 FED #3H
Well: Oatmeal 8 FED #3H
Wellbore: OH
Design: OH

Local Co-ordinate Reference: Well Oatmeal 8 FED #3H
TVD Reference: EST RKB @ 3526.00ft
MD Reference: EST RKB @ 3526.00ft
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: EDM 2003.16 Single User Db

Project	Oatmeal 8 FED		
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	Oatmeal 8 FED #3H		
Site Position:		Northing:	643,210.000 ft
From:	Map	Easting:	606,400.000 ft
Position Uncertainty:	0.00 ft	Slot Radius:	"
		Latitude:	32° 46' 4.075 N
		Longitude:	103° 59' 13.874 W
		Grid Convergence:	0 19 "

Well	Oatmeal 8 FED #3H		
Well Position	+N-S	0.00 ft	Northing: 643,210.000 ft
	+E-W	0.00 ft	Easting: 606,400.000 ft
Position Uncertainty	0.00 ft	Wellhead Elevation:	ft
		Latitude:	32° 46' 4.075 N
		Longitude:	103° 59' 13.874 W
		Ground Level:	3,526.00 ft

Wellbore	OH		
Magnetics	Model Name	Sample Date	Declination
	IGRF200510	1/17/2008	(°)
			8.21
			(°)
			60.71
			Dip Angle
			(nT)
			49,260
			Field Strength

Design	OH		
Audit Notes:			
Version:	1.0	Phase:	ACTUAL
		Tie On Depth:	0.00
Vertical Section:	Depth From (TVD)	+N-S	+E-W
	(ft)	(ft)	(ft)
	0.00	0.00	0.00
			Direction
			(°)
			13.64

Survey Program	Date 1/30/2008		
From	To	Survey (Wellbore)	Tool Name
(ft)	(ft)		
100.00	6,570.00	Gyro Survey (OH)	CT_GYRO_MS
6,691.00	11,315.00	Survey #1 (OH)	MWD
			Description
			Continuous Gyro Multishot
			MWD - Standard

Survey	MD	Inc	Azi	TVD	TVDSS	N/S	E/W	V. Sec
	(ft)	(°)	(°)	(ft)	(ft)	(ft)	(ft)	(ft)
	6,570.00	2.41	353.99	6,569.20	3,043.20	77.16	18.72	79.40
	6,691.00	2.64	351.16	6,690.08	3,164.08	82.44	18.03	84.37
	6,880.00	2.64	351.42	6,878.88	3,352.88	91.05	16.71	92.42
	7,066.00	2.37	350.10	7,064.70	3,538.70	99.07	15.41	99.91
	7,253.00	2.55	349.84	7,251.53	3,725.53	106.97	14.01	107.26
	7,380.00	2.81	342.72	7,378.39	3,852.39	112.73	12.59	112.52
	7,442.00	1.85	302.91	7,440.34	3,914.34	114.72	11.29	114.15
	7,473.00	2.90	227.06	7,471.32	3,945.32	114.46	10.30	113.66
	7,504.00	5.89	205.35	7,502.23	3,976.23	112.49	9.04	111.45
	7,536.00	9.15	197.17	7,533.95	4,007.95	108.57	7.59	107.30
	7,567.00	12.49	192.34	7,564.40	4,038.40	102.94	6.15	101.49

WHS

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Site: Oatmeal 8 FED #3H
Well: Oatmeal 8 FED #3H
Wellbore: OH
Design: OH

Local Co-ordinate Reference: Well Oatmeal 8 FED #3H
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MD Reference: EST RKB @ 3526.00ft
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: EDM 2003.16 Single User Db

Survey

MD (ft)	Inc (°)	Azi (°)	TVD (ft)	TVDSS (ft)	N/S (ft)	E/W (ft)	V. Sec (ft)
7,598.00	16.00	190.23	7,594.44	4,068.44	95.46	4.67	93.87
7,629.00	19.35	189.00	7,623.97	4,097.97	86.18	3.11	84.48
7,660.00	22.34	187.07	7,652.94	4,126.94	75.26	1.58	73.51
7,691.00	25.32	185.04	7,681.29	4,155.29	62.80	0.27	61.10
7,722.00	29.46	183.38	7,708.81	4,182.81	48.58	-0.76	47.03
7,753.00	34.47	182.06	7,735.10	4,209.10	32.20	-1.53	30.93
7,785.00	39.22	180.65	7,760.71	4,234.71	13.02	-1.97	12.19
7,816.00	42.82	179.07	7,784.09	4,258.09	-7.32	-1.91	-7.57
7,847.00	45.64	177.93	7,806.30	4,280.30	-28.94	-1.34	-28.43
7,878.00	49.59	177.31	7,827.20	4,301.20	-51.81	-0.38	-50.44
7,909.00	53.99	176.70	7,846.37	4,320.37	-76.13	0.89	-73.77
7,941.00	58.74	176.34	7,864.09	4,338.09	-102.71	2.51	-99.22
7,972.00	63.31	177.05	7,879.10	4,353.10	-129.78	4.07	-125.16
8,004.00	67.09	177.57	7,892.52	4,366.52	-158.79	5.43	-153.03
8,035.00	69.38	178.10	7,904.01	4,378.01	-187.56	6.52	-180.73
8,065.00	71.58	177.93	7,914.04	4,388.04	-215.82	7.50	-207.96
8,094.00	74.66	177.84	7,922.46	4,396.46	-243.54	8.52	-234.67
8,126.00	79.32	178.28	7,929.66	4,403.66	-274.70	9.58	-264.69
8,181.00	84.77	179.24	7,937.27	4,411.27	-329.13	10.75	-317.32
8,300.00	86.79	178.80	7,946.02	4,420.02	-447.79	12.78	-432.15
8,396.00	85.30	178.54	7,952.64	4,426.64	-543.53	15.01	-524.67
8,491.00	84.24	178.36	7,961.30	4,435.30	-638.10	17.57	-615.96
8,586.00	81.95	177.57	7,972.72	4,446.72	-732.34	20.91	-706.76
8,681.00	85.74	178.19	7,982.91	4,456.91	-826.71	24.40	-797.65
8,777.00	87.58	179.33	7,988.50	4,462.50	-922.52	26.48	-890.27
8,872.00	86.70	179.68	7,993.24	4,467.24	-1,017.40	27.30	-982.27
8,967.00	85.12	179.16	8,000.02	4,474.02	-1,112.15	28.26	-1,074.13
9,030.00	86.26	179.51	8,004.75	4,478.75	-1,174.96	28.98	-1,135.00
9,094.00	85.91	179.16	8,009.12	4,483.12	-1,238.81	29.73	-1,196.87
9,157.00	87.05	178.10	8,012.99	4,486.99	-1,301.67	31.23	-1,257.61
9,221.00	89.08	178.89	8,015.15	4,489.15	-1,365.61	32.91	-1,319.34
9,316.00	89.87	178.80	8,016.02	4,490.02	-1,460.59	34.82	-1,411.19
9,411.00	90.31	178.63	8,015.87	4,489.87	-1,555.56	36.95	-1,502.99
9,538.00	90.92	177.49	8,014.51	4,488.51	-1,682.48	41.25	-1,625.31
9,665.00	88.29	175.64	8,015.38	4,489.38	-1,809.23	48.86	-1,746.70
9,792.00	87.32	174.76	8,020.25	4,494.25	-1,935.69	59.48	-1,867.09
9,919.00	87.49	174.85	8,026.00	4,500.00	-2,062.04	70.97	-1,987.16
10,046.00	86.88	174.85	8,032.24	4,506.24	-2,188.37	82.35	-2,107.25
10,173.00	86.26	175.64	8,039.83	4,513.83	-2,314.71	92.86	-2,227.54
10,300.00	88.02	177.05	8,046.17	4,520.17	-2,441.28	100.95	-2,348.64
10,427.00	86.61	177.75	8,052.12	4,526.12	-2,568.01	106.70	-2,470.44
10,554.00	86.88	178.28	8,059.33	4,533.33	-2,694.73	111.09	-2,592.55
10,617.00	87.67	178.01	8,062.33	4,536.33	-2,757.62	113.13	-2,653.19
10,682.00	89.16	177.75	8,064.12	4,538.12	-2,822.55	115.53	-2,715.72

WHS

Pathfinder Survey Report

Company: EOG Resources, Inc.
Project: Oatmeal 8 FED
Site: Oatmeal 8 FED #3H
Well: Oatmeal 8 FED #3H
Wellbore: OH
Design: OH

Local Co-ordinate Reference: Well Oatmeal 8 FED #3H
TVD Reference: EST RKB @ 3526.00ft
MD Reference: EST RKB @ 3526.00ft
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: EDM 2003.16 Single User Db

Survey:							
MD (ft)	Inc (°)	Azi (°)	TVD (ft)	TVDSS (ft)	N/S (ft)	E/W (ft)	V. Sec. (ft)
10,746.00	90.13	177.57	8,064.52	4,538.52	-2,886.50	118.15	-2,777.25
11,000.00	91.28	175.64	8,061.40	4,535.40	-3,140.01	133.19	-3,020.07
11,127.00	91.01	175.17	8,058.86	4,532.86	-3,266.58	143.36	-3,140.67
11,219.00	90.13	174.50	8,057.94	4,531.94	-3,358.20	151.64	-3,227.76
11,315.00	90.13	174.50	8,057.72	4,531.72	-3,453.76	160.84	-3,318.45
Projection to Bit - BHL							

Targets									
Target Name	Dip Angle	Dip Dir	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
- hit/miss target	(°)	(°)	(ft)	(ft)	(ft)	(ft)	(ft)		
- Shape									
BHL	0.00	0.00	8,084.00	-4,469.00	15.00	638,741.000	606,415.000	32° 45' 19.852 N	103° 59' 13.869 W
- survey misses by 1026.00ft at 11315.00ft MD (8057.72 TVD, -3453.76 N, 160.84 E)									
- Point									

Survey Annotations				
Measured Depth	Vertical Depth	Local Coordinates		Comment
(ft)	(ft)	+N/-S	+E/-W	
(ft)	(ft)	(ft)	(ft)	
11,315.00	8,057.72	-3,453.76	160.84	Projection to Bit

Checked By: _____ Approved By: _____ Date: _____