Form 3160-4
(February 2005)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

OCD-ARTESIA

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

S

5. Lease Serial No.: NMLC 063621A

1a. Type of Well: ☐ Oil Well ☒ Gas Well ☐ Dry Other

b Type of Completion: ☒ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff.Resvr,. Other

6. If Indian, Allotee or Tribe Name:

7. Unit or CA Agreement Name and No:

2. Name of Operator: EOG Resources Inc.

MAR 25 2008

8. Lease Name and Well No.: Oatmeal 8 Fed 3H

3 Address: P.O. Box 2267 Midland, Texas 79702

OCD-ARTESIA

3a. Phone No. *(include area code)*: 432-686-3689

9. API Well No.: 30-015-36028

4 Location of Well *(Report location clearly and in accordance with Federal requirements)**

At surface: 480' FNL & 660' FEL, U/L A

10. Field and Pool, or Exploratory: Sand Tank; Bone Spring

11. Sec., T., R., M., or Block and Survey or Area: Sec 8, T18S, R30E

At top prod interval reported below

CONFIDENTIAL

At total depth: 1346' FSL & 499' FEL, U/L I

12 County or Parish: Eddy

13 State: NM

14. Date Spudded	15. Date T.D. Reached	16. Date Completed	17. Elevations (DF, RKB, RT, GL)*
1/2/08	1/29/08	☐ D & A ☒ Ready to Prod. 2/24/08	3526' GL

18. Total Depth: MD / TVD	19. Plug Back T.D.: MD / TVD	20. Depth Bridge Plug Set: MD / TVD
11315 / 8067	11161	

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)

22. Was well cored? ☒ No ☐ Yes (Submit analysis)
Was DST run ☒ No ☐ Yes (Submit report
Directional Survey? ☐ No ☒ Yes (Submit copy)

23. Casing and Liner Record *(Report all strings set in well)*

Hole Size	Size/Grade	Wt (#ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No of Sks. & Type of Cement	Slurry Vol (BBL)	Cement Top*	Amount Pulled
14-3/4	11-3/4	42		390		500		surface	
11	8-5/8	32		3259		800		surface	
6-1/8	5-1/2	17		7377		1500		surface	
	4-1/2	11.6		11272					

24 Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2-7/8	7193							

25. Producing Intervals / 26. Perforation Record

	Formation	Top	Bottom	Perforated Interval	Size	No Holes	Perf. Status
A)	Bone Spring	6872		8300 - 11100	0.42	110	Producing
B)							
C)							
D)							

27. Acid, Fracture, Treatment, Cement Squeeze, Etc.

Depth Interval	Amount and Type of Material
8300 - 11100	Frac w/ 20000 gal 7.5% HCL acid, 27200 gal 25 # Linear gel, 223378 gal XL gel, 301060 lbs 16/30 sand, 150010 lbs 16/30 Super LC, 906696 gal slick water

ACCEPTED FOR RECORD

28. Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr API	Gas Gravity	Production Method
2/24/08	3/9/08	24		266	314	60	40.0		Pumping
Choke Size	**Tbg Press. Flwg. SI**	**Csg Press.**	**24 Hr →**	**Oil BBL**	**Gas MCF**	**Water BBL**	**Gas: Oil Ratio**	**Well Status**	
35/64	275	125					1180	POW	

MAR 22 2008

28a. Production-Interval B

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	**Tbg Press Flwg SI**	**Csg. Press.**	**24 Hr. →**	**Oil BBL**	**Gas MCF**	**Water BBL**	**Gas: Oil Ratio**	**Well Status**	

BUREAU OF LAND MANAGEMENT
CARLSBAD FIELD OFFICE

(See instructions and spaces for additional data on page 2)

28b Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr API	Gas Gravity	Production Method

Choke Size	Tbg Press. Flwg. SI	Csg Press	24 Hr. →	Oil BBL	Gas MCF	Water BBL	Gas: Oil Ratio	Well Status

28c. Production-Interval D

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr API	Gas Gravity	Production Method

Choke Size	Tbg Press. Flwg. SI	Csg Press.	24 Hr. →	Oil BBL	Gas MCF	Water BBL	Gas: Oil Ratio	Well Status

29 Disposition of Gas *(Sold, used for fuel, vented, etc.)*

SOLD

30. Summary of Porous Zones (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries

31. Formation (Log) Markers

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top Meas.Depth
				Yates	**1405'**
				Queen	**2435'**
				San Andres	**3387'**
				Bone Spring Ls	**4325'**
				1st Bone Spring Sand	**6872'**
				2nd Bone Spring Carb	**7150'**
				2nd Bone Spring Sand	**7403'**

32. Additional remarks (include plugging procedure):

33. Indicate which items have bee attached by placing a check in the appropriate boxes:

☐ Electrical/Mechanical Logs (1 full set req'd) ☐ Geologic Report ☐ DST Report ☒ Directional Survey

☐ Sundry Notice for plugging and cement verification ☐ Core Analysis ☐ Other:

34 I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions)*

Name *(please print)* **Stan Wagner** Title **Regulatory Analyst**

Signature Stan Wagner Date **3/11/08**

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.

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.	**Local Co-ordinate Reference:**	Well Oatmeal 8 FED #3H
Project:	Oatmeal 8 FED	**TVD Reference:**	EST RKB @ 3526.00ft
Site:	Oatmeal 8 FED #3H	**MD Reference:**	EST RKB @ 3526.00ft
Well:	Oatmeal 8 FED #3H	**North Reference:**	Grid
Wellbore:	OH	**Survey Calculation Method:**	Minimum Curvature
Design:	OH	**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) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)
	0.00	0.00	0.00	179.81

Survey Program **Date** 2/15/2008

From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description
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 (ft)	Inc (°)	Azi (°)	TVD (ft)	N/S (ft)	E/W (ft)	V. Sec (ft)	DLeg (°/100ft)
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
200 00	0.41	341.05	200.00	0 44	-0.19	-0 44	0 34
300.00	0.44	338.91	300.00	1.13	-0.44	-1.13	0.03
400.00	0.44	317.38	399.99	1.77	-0.84	-1.78	0.16
500.00	0.69	312.35	499.99	2.46	-1.55	-2.47	0.25
600.00	0 49	316.89	599.98	3.18	-2.28	-3 19	0 21
700.00	0.56	308.49	699.98	3.80	-2.96	-3.81	0 10
800.00	0 47	307.64	799.97	4.35	-3.67	-4.36	0 09
900.00	0.41	326 19	899.97	4 90	-4 19	-4.91	0.15
1,000.00	0.47	348.24	999.97	5.60	-4.47	-5.61	0 18

WHS

Pathfinder Survey Report

Company:	EOG Resources, Inc.	**Local Co-ordinate Reference:**	Well Oatmeal 8 FED #3H
Project:	Oatmeal 8 FED	**TVD Reference:**	EST RKB @ 3526.00ft
Site:	Oatmeal 8 FED #3H	**MD Reference:**	EST RKB @ 3526.00ft
Well:	Oatmeal 8 FED #3H	**North Reference:**	Grid
Wellbore:	OH	**Survey Calculation Method:**	Minimum Curvature
Design:	OH	**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.	**Local Co-ordinate Reference:**	Well Oatmeal 8 FED #3H
Project:	Oatmeal 8 FED	**TVD Reference:**	EST RKB @ 3526.00ft
Site:	Oatmeal 8 FED #3H	**MD Reference:**	EST RKB @ 3526.00ft
Well:	Oatmeal 8 FED #3H	**North Reference:**	Grid
Wellbore:	OH	**Survey Calculation Method:**	Minimum Curvature
Design:	OH	**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 - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
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

eog resources

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

Magnetic Field
Strength: 49260.5snT
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

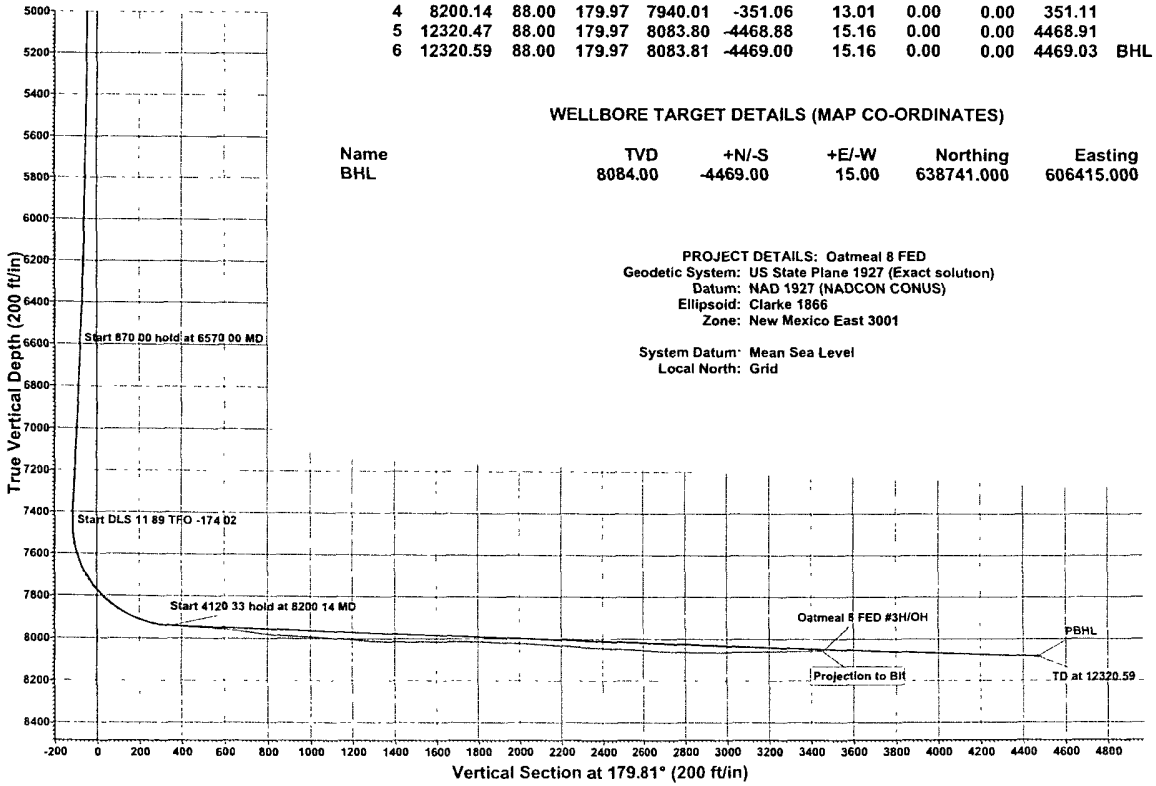
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	6570.00	2.41	353.99	6569.20	77.16	18.72	0.00	0.00	-77.09	
2	7440.00	2.41	353.99	7438.43	113.54	14.89	0.00	0.00	-113.49	
3	8200.03	88.00	179.97	7940.00	-350.95	13.01	11.89	-174.02	351.00	
4	8200.14	88.00	179.97	7940.01	-351.06	13.01	0.00	0.00	351.11	
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

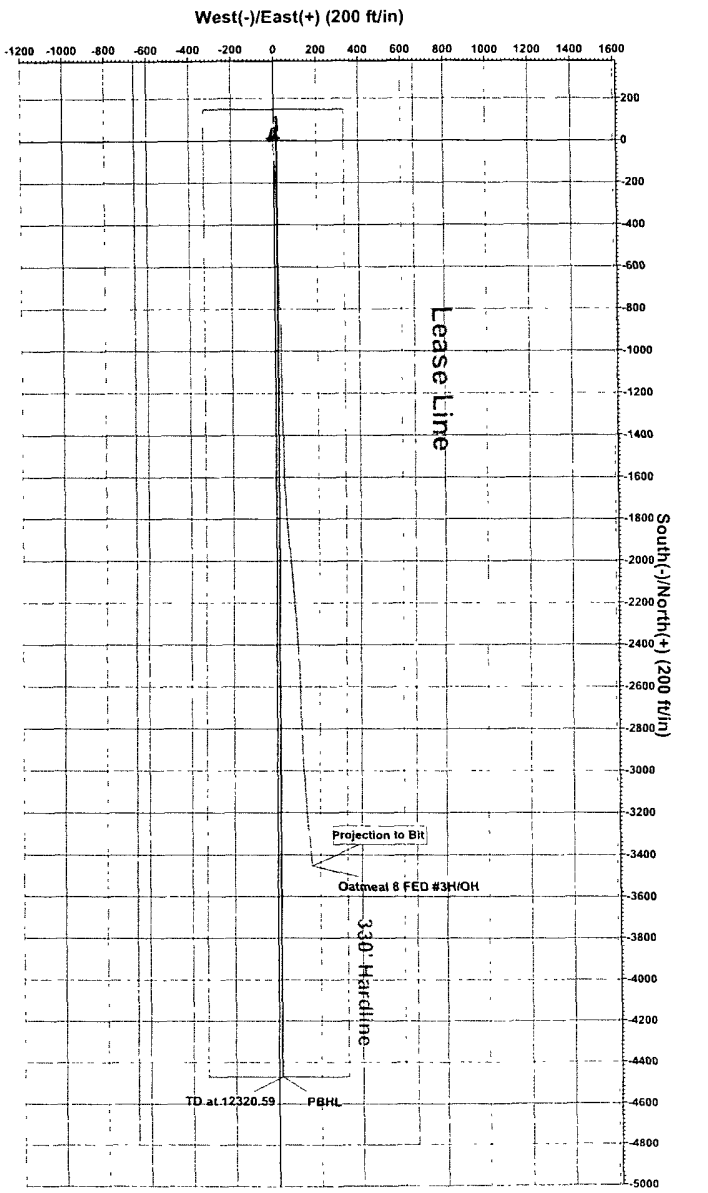
WELLBORE TARGET DETAILS (MAP CO-ORDINATES)

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: Grid





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.	**Local Co-ordinate Reference:**	Well Oatmeal 8 FED #3H
Project:	Oatmeal 8 FED	**TVD Reference:**	EST RKB @ 3526.00ft
Site:	Oatmeal 8 FED #3H	**MD Reference:**	EST RKB @ 3526 00ft
Well:	Oatmeal 8 FED #3H	**North Reference:**	Grid
Wellbore:	OH	**Survey Calculation Method:**	Minimum Curvature
Design:	OH	**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) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)
	0.00	0.00	0 00	13.64

Survey Program **Date** 1/30/2008

From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description
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 (ft)	Inc (°)	Azi (°)	TVD (ft)	TVDSS (ft)	N/S (ft)	E/W (ft)	V. Sec (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

Pathfinder Survey Report

Company:	EOG Resources, Inc	**Local Co-ordinate Reference:**	Well Oatmeal 8 FED #3H
Project:	Oatmeal 8 FED	**TVD Reference:**	EST RKB @ 3526 00ft
Site:	Oatmeal 8 FED #3H	**MD Reference:**	EST RKB @ 3526.00ft
Well:	Oatmeal 8 FED #3H	**North Reference:**	Grid
Wellbore:	OH	**Survey Calculation Method:**	Minimum Curvature
Design:	OH	**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.	**Local Co-ordinate Reference:**	Well Oatmeal 8 FED #3H
Project:	Oatmeal 8 FED	**TVD Reference:**	EST RKB @ 3526.00ft
Site:	Oatmeal 8 FED #3H	**MD Reference:**	EST RKB @ 3526.00ft
Well:	Oatmeal 8 FED #3H	**North Reference:**	Grid
Wellbore:	OH	**Survey Calculation Method:**	Minimum Curvature
Design:	OH	**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 - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
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 (ft)	Vertical Depth (ft)	Local Coordinates +N/-S (ft)	Local Coordinates +E/-W (ft)	Comment
11,315.00	8,057.72	-3,453.76	160.84	Projection to Bit

Checked By: _____ Approved By: _____ Date: _____