

Submit 3 Copies To Appropriate District
Office
District I
1625 N. French Dr., Hobbs, NM 87240
District II
1301 W. Grand Ave., Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources

Form C-103
May 27, 2004

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

WELL API NO. 30-015-35369
5. Indicate Type of Lease STATE ☐ FEE ☒
6. State Oil & Gas Lease No.

SUNDRY NOTICES AND REPORTS ON WELLS
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)

1. Type of Well: Oil Well ☐ Gas Well ☒ Other	7. Lease Name or Unit Agreement Name: Potomac A 9 Fee
2. Name of Operator EOG Resources Inc.	8. Well Number 1H
3. Address of Operator P.O. Box 2267 Midland, Texas 79702	9. OGRID Number 7377
4. Well Location Unit Letter A : 290 feet from the North line and 200 feet from the East line Section 9 Township 16S Range 25E NMPM County Eddy	10. Pool name or Wildcat Cottonwood Creek; Wolfcamp (Gas)
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3480 GR	
Pit or Below-grade Tank Application ☐ or Closure ☐ Pit type _____ Depth to Groundwater _____ Distance from nearest fresh water well _____ Distance from nearest surface water _____ Pit Liner Thickness: _____ mil Below-Grade Tank: Volume _____ bbls; Construction Material _____	

12. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK ☐	PLUG AND ABANDON ☐	REMEDIAL WORK ☐	ALTERING CASING ☐
TEMPORARILY ABANDON ☐	CHANGE PLANS ☐	COMMENCE DRILLING OPNS. ☐	PLUG AND ABANDONMENT ☐
PULL OR ALTER CASING ☐	MULTIPLE COMPLETION ☐	CASING TEST AND CEMENT JOB ☐	
OTHER: ☐		OTHER: completion	☒

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

5/29/07 TD @ 8950 MD
5/30/07 Ran 196 jts 5-1/2", 17 #, N-80 casing set @ 8682'.
Cemented w/ 530 sx 50:50 POZ C, 11.9 ppg, 2.46 yield; 745 sx 50:50 POZ C, 14.2 ppg, 1.36 yield.
Circulated 120 sx to surface. Released rig.
6/02/07 MIRU for completion. Step rate tested 5-1/2" casing to 7050 psi for 30 min. Test good.
6/04/07 Open hole interval from 8682' to 8950'.
Frac w/ 119 bbls 15% HCL acid, 38814 lbs 30/70 Brown sand, 2681 bbls load water.
Perforate from 7860' to 8550', 0.48", 24 holes.

I hereby certify that the information above is true and complete to the best of my knowledge and belief. I further certify that any pit or below-grade tank has been/will be constructed or closed according to NMOCD guidelines ☐ , a general permit ☐ or an (attached) alternative OCD-approved plan ☐

SIGNATURE Stan Wagner TITLE Regulatory Analyst DATE 6/13/07

Type or print name Stan Wagner

E-mail address:

Telephone No. 432 686 3689

For State Use Only

FOR RECORDS ONLY

APPROVED BY _____ TITLE _____ DATE JUL 03 2007

Conditions of Approval, if any:

District I
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State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505



Form C-102
Revised October 12, 2005
Submit to Appropriate District Office
State Lease- 4 Copies
Fee Lease- 3 Copies

☒ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-015-35369	Pool Code 75250	Pool Name Cottonwood Creek; Wolfcamp (gas)
Property Code 36195	Property Name POTOMAC "A" 9 FEE	Well Number 1H
OGRID No. 7377	Operator Name EOG RESOURCES, INC.	Elevation 3477'

Surface Location

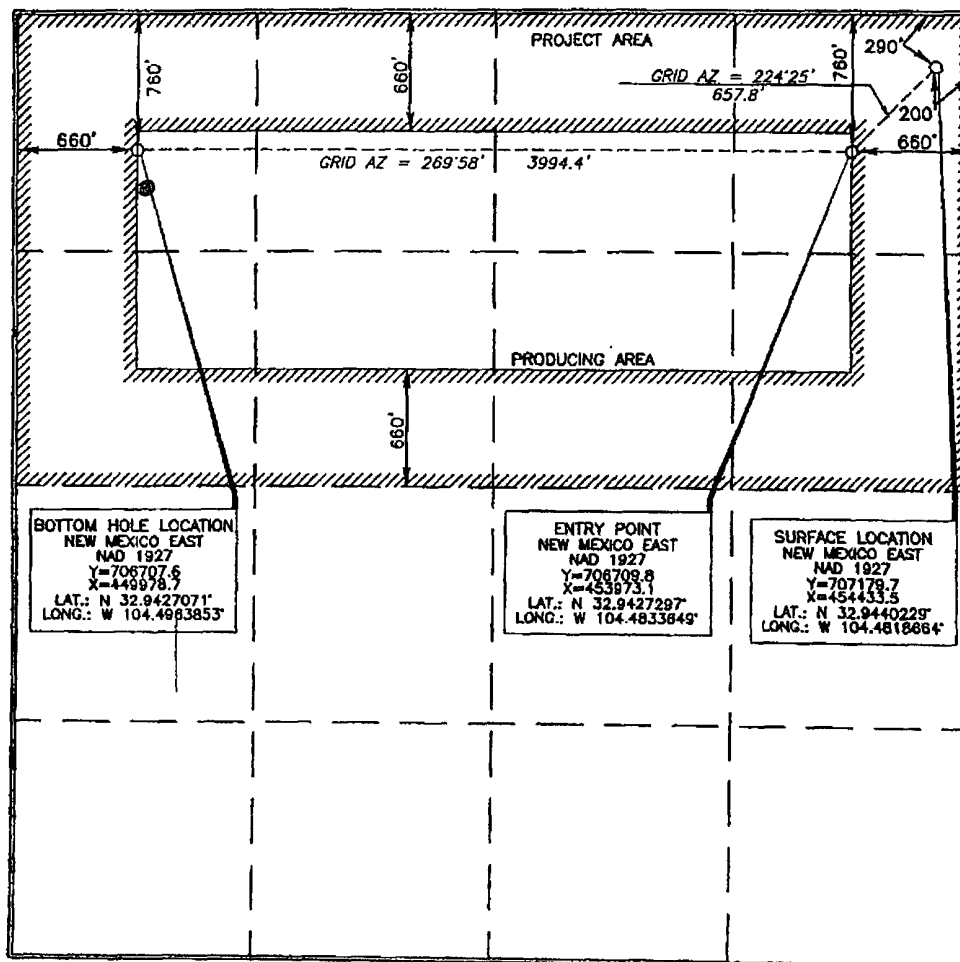
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
A	9	16 SOUTH	25 EAST, N.M.P.M.		290'	NORTH	200'	EAST	EDDY

Bottom Hole Location if Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
D	9	16 SOUTH	25 EAST, N.M.P.M.		954	NORTH	700	WEST	EDDY

Dedicated Acres 320	Joint or Infill	Consolidation Code	Order No.
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No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.



OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Donny G. Glanton 3/5/07
Signature Date

Donny G. Glanton
Printed Name

SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of a survey made by me or under my supervision, and that the same is true and correct to the best of my belief.

Terry J. Paul 2/27/2007
Date of Survey
Signature and Seal of Professional Surveyor
Certificate Number 15079

WOF 070222WL-b (UL)

KEEPER GYRO SURVEY

Directional Survey Report

UAAA
3 EOG 3
3 3
AAU

Remarks : The INRUN Survey will be called definitive

Inrun Survey for EOG

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Well No.: POTOMAC A9 P FEE #1-H                               Date : 23-MAY-2007
Job No. : 32K0507422                                           GRID      Proposal : 263.95
  Depth  T.V.D.    V.S.    Inc  Azimuth  Latitude  Departure  D-leg
( Feet ) ( Feet )  ( Feet ) Deg.   Deg.    ( Feet )  ( Feet )  /100
=====
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0.00	0.00	0.00	0.00	0.08	0.00	0.00	0.00
100.00	100.00	-0.18	0.22	105.62	-0.05	0.18	0.22
200.00	200.00	-0.48	0.14	91.83	-0.11	0.49	0.09
300.00	300.00	-0.33	0.34	288.94	-0.01	0.33	0.48
400.00	400.00	0.32	0.44	260.51	0.02	-0.33	0.21
500.00	499.99	1.23	0.70	233.73	-0.41	-1.20	0.37
600.00	599.98	2.46	1.00	226.71	-1.37	-2.33	0.32
700.00	699.96	3.88	1.15	221.01	-2.72	-3.62	0.18
800.00	799.93	5.68	1.51	227.21	-4.37	-5.24	0.39
900.00	899.90	7.80	1.49	229.44	-6.12	-7.20	0.06

Potomac A 9 Fee #1H Gyro.txt

1000.00	999.87	9.77	1.28	226.91	-7.72	-9.00	0.22
1100.00	1099.85	11.56	1.23	230.94	-9.16	-10.65	0.10
1200.00	1199.83	13.12	0.99	224.28	-10.46	-12.09	0.27
1300.00	1299.81	14.44	0.99	223.00	-11.71	-13.28	0.02
1400.00	1399.80	15.65	0.95	216.69	-13.00	-14.36	0.11
1500.00	1499.79	16.66	0.91	207.90	-14.37	-15.23	0.15
1600.00	1599.77	17.62	1.03	209.04	-15.86	-16.04	0.12
1700.00	1699.76	18.61	0.98	207.68	-17.40	-16.87	0.06
1800.00	1799.74	19.59	0.95	210.88	-18.87	-17.70	0.06
1900.00	1899.73	20.64	0.77	229.70	-20.02	-18.63	0.33
2000.00	1999.72	21.91	0.89	240.75	-20.83	-19.82	0.20
2100.00	2099.71	23.11	0.60	243.62	-21.44	-20.97	0.29
2200.00	2199.70	24.09	0.58	247.47	-21.87	-21.91	0.04
2300.00	2299.70	25.14	0.65	258.56	-22.18	-22.93	0.14
2400.00	2399.69	26.37	0.76	262.52	-22.37	-24.14	0.12
2500.00	2499.68	27.68	0.74	261.89	-22.55	-25.44	0.02
2600.00	2599.68	28.97	0.74	266.18	-22.69	-26.72	0.06
2700.00	2699.67	30.01	0.50	287.61	-22.60	-27.78	0.33
2800.00	2799.66	30.96	0.63	268.67	-22.48	-28.75	0.23
2900.00	2899.66	32.06	0.64	264.88	-22.54	-29.86	0.04
3000.00	2999.65	33.12	0.57	267.02	-22.62	-30.91	0.07
3100.00	3099.65	33.97	0.40	265.80	-22.67	-31.75	0.17
3200.00	3199.65	34.62	0.35	265.57	-22.72	-32.41	0.05
3300.00	3299.64	35.21	0.33	260.89	-22.79	-32.99	0.03
3400.00	3399.64	35.55	0.13	328.10	-22.73	-33.34	0.30
3500.00	3499.64	35.45	0.19	59.67	-22.55	-33.26	0.23
3600.00	3599.64	35.03	0.31	76.94	-22.41	-32.85	0.14
3700.00	3699.64	34.32	0.51	88.33	-22.34	-32.14	0.21
3800.00	3799.63	33.01	0.99	84.80	-22.25	-30.84	0.48
3900.00	3899.62	31.37	0.90	91.99	-22.19	-29.19	0.15
3986.00	3985.61	30.18	0.70	96.02	-22.27	-27.99	0.24

The Horizontal Displacement (in Feet) at
 Measured Depth 3986.00 is 35.77 in a Direction of 231.49 Degrees
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# Pathfinder Energy

## Survey Report

| <b>Company:</b> EOG Resources<br><b>Field:</b> Thames Field<br><b>Site:</b> Potomac A 9 Fee #1H<br><b>Well:</b> Potomac A 9 Fee #1H<br><b>Wellpath:</b> OH                                                                      |             | <b>Date:</b> 5/29/2007 <b>Time:</b> 08:52:57 <b>Page:</b> 1<br><b>Co-ordinate(NE) Reference:</b> Well: Potomac A 9 Fee #1H, Grid North<br><b>Vertical (TVD) Reference:</b> SITE 3496.0<br><b>Section (VS) Reference:</b> Well (0.00N,0.00E,263.95Azi)<br><b>Survey Calculation Method:</b> Minimum Curvature <b>Db:</b> Sybase |           |             |             |          |                  |                    |                   |              |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|-------------|-------------|----------|------------------|--------------------|-------------------|--------------|
| <b>Field:</b> Thames Field<br>Eddy, Co. NM<br>USA<br><b>Map System:</b> US State Plane Coordinate System 1927<br><b>Geo Datum:</b> NAD27 (Clarke 1866)<br><b>Sys Datum:</b> Mean Sea Level                                      |             | <b>Map Zone:</b> New Mexico, Eastern Zone<br><b>Coordinate System:</b> Well Centre<br><b>Geomagnetic Model:</b> igrf2005                                                                                                                                                                                                       |           |             |             |          |                  |                    |                   |              |
| <b>Site:</b> Potomac A 9 Fee #1H                                                                                                                                                                                                |             |                                                                                                                                                                                                                                                                                                                                |           |             |             |          |                  |                    |                   |              |
| <b>Site Position:</b><br><b>From:</b> Map<br><b>Position Uncertainty:</b> 0.00 ft<br><b>Ground Level:</b> 3477.00 ft                                                                                                            |             | <b>Northing:</b> 707179.70 ft <b>Latitude:</b> 32 56 38.482 N<br><b>Easting:</b> 454433.50 ft <b>Longitude:</b> 104 28 54.719 W<br><b>North Reference:</b> Grid<br><b>Grid Convergence:</b> -0.08 deg                                                                                                                          |           |             |             |          |                  |                    |                   |              |
| <b>Well:</b> Potomac A 9 Fee #1H                                                                                                                                                                                                |             | <b>Slot Name:</b>                                                                                                                                                                                                                                                                                                              |           |             |             |          |                  |                    |                   |              |
| <b>Well Position:</b> +N/-S    0.00 ft <b>Northing:</b> 707179.70 ft <b>Latitude:</b> 32 56 38.482 N<br>+E/-W    0.00 ft <b>Easting:</b> 454433.50 ft <b>Longitude:</b> 104 28 54.719 W<br><b>Position Uncertainty:</b> 0.00 ft |             |                                                                                                                                                                                                                                                                                                                                |           |             |             |          |                  |                    |                   |              |
| <b>Wellpath:</b> OH<br><b>Current Datum:</b> SITE <b>Height:</b> 3496.00 ft<br><b>Magnetic Data:</b> 5/23/2007<br><b>Field Strength:</b> 49398 nT<br><b>Vertical Section: Depth From (TVD)</b>                                  |             | <b>Drilled From:</b> Surface<br><b>Tie-on Depth:</b> 0.00 ft<br><b>Above System Datum:</b> Mean Sea Level<br><b>Declination:</b> 8.53 deg<br><b>Mag Dip Angle:</b> 60.80 deg<br><b>+E/-W</b> <b>Direction</b><br>ft      deg                                                                                                   |           |             |             |          |                  |                    |                   |              |
| 0.00                                                                                                                                                                                                                            |             | 263.95                                                                                                                                                                                                                                                                                                                         |           |             |             |          |                  |                    |                   |              |
| <b>Survey:</b> Pathfinder MWD<br><b>Company:</b> Pathfinder Energy<br><b>Tool:</b>                                                                                                                                              |             | <b>Start Date:</b> 5/25/2007<br><b>Engineer:</b><br><b>Tied-to:</b> From: Definitive Path                                                                                                                                                                                                                                      |           |             |             |          |                  |                    |                   |              |
| <b>Survey:</b> Pathfinder MWD                                                                                                                                                                                                   |             |                                                                                                                                                                                                                                                                                                                                |           |             |             |          |                  |                    |                   |              |
| MD<br>ft                                                                                                                                                                                                                        | Incl<br>deg | Azim<br>deg                                                                                                                                                                                                                                                                                                                    | TVD<br>ft | +N/-S<br>ft | +E/-W<br>ft | VS<br>ft | DLS<br>deg/100ft | Build<br>deg/100ft | Turn<br>deg/100ft | Tool/Comment |
| 3986.00                                                                                                                                                                                                                         | 0.70        | 96.02                                                                                                                                                                                                                                                                                                                          | 3985.61   | -22.27      | -27.99      | 30.18    | 0.00             | 0.00               | 0.00              |              |
| 4031.00                                                                                                                                                                                                                         | 0.79        | 91.93                                                                                                                                                                                                                                                                                                                          | 4030.61   | -22.31      | -27.41      | 29.61    | 0.23             | 0.20               | -9.09             |              |
| 4063.00                                                                                                                                                                                                                         | 1.76        | 207.68                                                                                                                                                                                                                                                                                                                         | 4062.60   | -22.75      | -27.42      | 29.66    | 6.94             | 3.03               | 361.72            |              |
| 4095.00                                                                                                                                                                                                                         | 4.31        | 225.17                                                                                                                                                                                                                                                                                                                         | 4094.56   | -24.04      | -28.50      | 30.87    | 8.39             | 7.97               | 54.66             |              |
| 4126.00                                                                                                                                                                                                                         | 7.03        | 224.73                                                                                                                                                                                                                                                                                                                         | 4125.40   | -26.21      | -30.66      | 33.25    | 8.78             | 8.77               | -1.42             |              |
| 4158.00                                                                                                                                                                                                                         | 9.23        | 224.47                                                                                                                                                                                                                                                                                                                         | 4157.08   | -29.43      | -33.84      | 36.75    | 6.88             | 6.87               | -0.81             |              |
| 4190.00                                                                                                                                                                                                                         | 11.26       | 227.55                                                                                                                                                                                                                                                                                                                         | 4188.57   | -33.37      | -37.94      | 41.25    | 6.57             | 6.34               | 9.62              |              |
| 4222.00                                                                                                                                                                                                                         | 13.10       | 228.78                                                                                                                                                                                                                                                                                                                         | 4219.85   | -37.87      | -42.97      | 46.73    | 5.81             | 5.75               | 3.84              |              |
| 4254.00                                                                                                                                                                                                                         | 15.48       | 229.13                                                                                                                                                                                                                                                                                                                         | 4250.85   | -43.05      | -48.93      | 53.20    | 7.44             | 7.44               | 1.09              |              |
| 4286.00                                                                                                                                                                                                                         | 18.38       | 229.30                                                                                                                                                                                                                                                                                                                         | 4281.46   | -49.14      | -55.99      | 60.85    | 9.06             | 9.06               | 0.53              |              |
| 4318.00                                                                                                                                                                                                                         | 21.81       | 227.99                                                                                                                                                                                                                                                                                                                         | 4311.51   | -56.41      | -64.23      | 69.82    | 10.81            | 10.72              | -4.09             |              |
| 4350.00                                                                                                                                                                                                                         | 24.80       | 228.42                                                                                                                                                                                                                                                                                                                         | 4340.90   | -64.84      | -73.67      | 80.09    | 9.36             | 9.34               | 1.34              |              |
| 4381.00                                                                                                                                                                                                                         | 27.35       | 230.71                                                                                                                                                                                                                                                                                                                         | 4368.74   | -73.67      | -84.05      | 91.34    | 8.84             | 8.23               | 7.39              |              |
| 4413.00                                                                                                                                                                                                                         | 29.55       | 232.38                                                                                                                                                                                                                                                                                                                         | 4396.87   | -83.14      | -95.99      | 104.22   | 7.31             | 6.87               | 5.22              |              |
| 4445.00                                                                                                                                                                                                                         | 31.04       | 232.82                                                                                                                                                                                                                                                                                                                         | 4424.50   | -92.95      | -108.81     | 118.00   | 4.71             | 4.66               | 1.37              |              |
| 4477.00                                                                                                                                                                                                                         | 32.62       | 233.87                                                                                                                                                                                                                                                                                                                         | 4451.69   | -103.02     | -122.35     | 132.53   | 5.23             | 4.94               | 3.28              |              |
| 4509.00                                                                                                                                                                                                                         | 34.03       | 236.51                                                                                                                                                                                                                                                                                                                         | 4478.43   | -113.05     | -136.79     | 147.94   | 6.32             | 4.41               | 8.25              |              |
| 4541.00                                                                                                                                                                                                                         | 35.88       | 237.74                                                                                                                                                                                                                                                                                                                         | 4504.66   | -122.99     | -152.19     | 164.30   | 6.19             | 5.78               | 3.84              |              |
| 4573.00                                                                                                                                                                                                                         | 39.04       | 238.80                                                                                                                                                                                                                                                                                                                         | 4530.05   | -133.22     | -168.74     | 181.84   | 10.08            | 9.87               | 3.31              |              |
| 4604.00                                                                                                                                                                                                                         | 42.30       | 239.15                                                                                                                                                                                                                                                                                                                         | 4553.56   | -143.63     | -186.05     | 200.15   | 10.54            | 10.52              | 1.13              |              |
| 4636.00                                                                                                                                                                                                                         | 45.81       | 238.44                                                                                                                                                                                                                                                                                                                         | 4576.56   | -155.16     | -205.08     | 220.29   | 11.08            | 10.97              | -2.22             |              |
| 4668.00                                                                                                                                                                                                                         | 49.68       | 238.88                                                                                                                                                                                                                                                                                                                         | 4598.07   | -167.47     | -225.31     | 241.70   | 12.14            | 12.09              | 1.37              |              |
| 4699.00                                                                                                                                                                                                                         | 52.32       | 238.36                                                                                                                                                                                                                                                                                                                         | 4617.58   | -180.02     | -245.87     | 263.47   | 8.62             | 8.52               | -1.68             |              |
| 4731.00                                                                                                                                                                                                                         | 54.61       | 238.44                                                                                                                                                                                                                                                                                                                         | 4636.63   | -193.49     | -267.77     | 286.67   | 7.16             | 7.16               | 0.25              |              |

# Pathfinder Energy

## Survey Report

|                           |                                                                  |                |            |
|---------------------------|------------------------------------------------------------------|----------------|------------|
| Company: EOG Resources    | Date: 5/29/2007                                                  | Time: 08:52:57 | Page: 2    |
| Field: Thames Field       | Co-ordinate(NE) Reference: Well: Potomac A 9 Fee #1H, Grid North |                |            |
| Site: Potomac A 9 Fee #1H | Vertical (TVD) Reference: SITE 3496.0                            |                |            |
| Well: Potomac A 9 Fee #1H | Section (VS) Reference: Well (0.00N,0.00E 263.95Azi)             |                |            |
| Wellpath: OH              | Survey Calculation Method: Minimum Curvature                     |                | Db: Sybase |

Survey: Pathfinder MWD

| MD<br>ft | Incl<br>deg | Azim<br>deg | TVD<br>ft | +N/-S<br>ft | +E/-W<br>ft | VS<br>ft | DLS<br>deg/100ft | Build<br>deg/100ft | Turn<br>deg/100ft | Tool/Comment |
|----------|-------------|-------------|-----------|-------------|-------------|----------|------------------|--------------------|-------------------|--------------|
| 4763.00  | 56.45       | 239.24      | 4654.74   | -207.14     | -290.34     | 310.56   | 6.11             | 5.75               | 2.50              |              |
| 4795.00  | 58.04       | 238.88      | 4672.05   | -220.98     | -313.43     | 334.97   | 5.06             | 4.97               | -1.12             |              |
| 4827.00  | 60.41       | 238.62      | 4688.42   | -235.24     | -336.93     | 359.84   | 7.44             | 7.41               | -0.81             |              |
| 4858.00  | 62.96       | 237.30      | 4703.13   | -249.72     | -360.06     | 384.37   | 9.04             | 8.23               | -4.26             |              |
| 4890.00  | 65.51       | 236.25      | 4717.04   | -265.51     | -384.16     | 410.00   | 8.50             | 7.97               | -3.28             |              |
| 4922.00  | 69.12       | 234.67      | 4729.37   | -282.25     | -408.47     | 435.94   | 12.17            | 11.28              | -4.94             |              |
| 4954.00  | 72.21       | 234.49      | 4739.97   | -299.75     | -433.08     | 462.25   | 9.67             | 9.66               | -0.56             |              |
| 4975.00  | 74.74       | 234.40      | 4745.94   | -311.45     | -449.45     | 479.77   | 12.05            | 12.05              | -0.43             |              |
| 5006.00  | 77.65       | 235.81      | 4753.34   | -328.67     | -474.14     | 506.14   | 10.37            | 9.39               | 4.55              |              |
| 5038.00  | 80.20       | 237.83      | 4759.49   | -345.85     | -500.43     | 534.09   | 10.09            | 7.97               | 6.31              |              |
| 5070.00  | 82.39       | 240.20      | 4764.33   | -362.14     | -527.54     | 562.77   | 10.02            | 6.84               | 7.41              |              |
| 5102.00  | 83.98       | 242.93      | 4768.13   | -377.26     | -555.48     | 592.14   | 9.82             | 4.97               | 8.53              |              |
| 5134.00  | 85.30       | 246.88      | 4771.12   | -390.77     | -584.32     | 622.25   | 12.96            | 4.12               | 12.34             |              |
| 5166.00  | 85.56       | 250.49      | 4773.67   | -402.36     | -614.04     | 653.02   | 11.27            | 0.81               | 11.28             |              |
| 5198.00  | 87.67       | 252.86      | 4775.56   | -412.40     | -644.36     | 684.23   | 9.91             | 6.59               | 7.41              |              |
| 5230.00  | 87.14       | 254.44      | 4777.01   | -421.40     | -675.03     | 715.68   | 5.20             | -1.66              | 4.94              |              |
| 5262.00  | 86.53       | 256.11      | 4778.77   | -429.52     | -705.93     | 747.27   | 5.55             | -1.91              | 5.22              |              |
| 5293.00  | 85.12       | 258.40      | 4781.03   | -436.34     | -736.08     | 777.97   | 8.66             | -4.55              | 7.39              |              |
| 5325.00  | 84.59       | 261.12      | 4783.90   | -442.01     | -767.44     | 809.75   | 8.63             | -1.66              | 8.50              |              |
| 5357.00  | 85.03       | 263.49      | 4786.80   | -446.28     | -799.02     | 841.61   | 7.50             | 1.37               | 7.41              |              |
| 5389.00  | 87.49       | 266.66      | 4788.88   | -449.02     | -830.83     | 873.52   | 12.52            | 7.69               | 9.91              |              |
| 5421.00  | 90.31       | 268.77      | 4789.50   | -450.29     | -862.79     | 905.44   | 11.01            | 8.81               | 6.59              |              |
| 5485.00  | 91.28       | 271.05      | 4788.61   | -450.39     | -926.78     | 969.09   | 3.87             | 1.52               | 3.56              |              |
| 5581.00  | 92.42       | 271.93      | 4785.51   | -447.90     | -1022.70    | 1064.21  | 1.50             | 1.19               | 0.92              |              |
| 5677.00  | 90.57       | 270.88      | 4783.01   | -445.55     | -1118.63    | 1159.36  | 2.22             | -1.93              | -1.09             |              |
| 5771.00  | 87.23       | 269.38      | 4784.81   | -445.33     | -1212.60    | 1252.78  | 3.89             | -3.55              | -1.60             |              |
| 5867.00  | 88.46       | 269.73      | 4788.42   | -446.08     | -1308.53    | 1348.25  | 1.33             | 1.28               | 0.36              |              |
| 5963.00  | 93.30       | 273.25      | 4786.95   | -443.58     | -1404.44    | 1443.36  | 6.23             | 5.04               | 3.67              |              |
| 6059.00  | 93.12       | 271.76      | 4781.57   | -439.39     | -1500.19    | 1538.14  | 1.56             | -0.19              | -1.55             |              |
| 6123.00  | 91.71       | 270.26      | 4778.87   | -438.27     | -1564.12    | 1601.60  | 3.22             | -2.20              | -2.34             |              |
| 6219.00  | 91.10       | 269.12      | 4776.52   | -438.79     | -1660.09    | 1697.09  | 1.35             | -0.64              | -1.19             |              |
| 6316.00  | 89.52       | 267.89      | 4775.99   | -441.32     | -1757.05    | 1793.78  | 2.06             | -1.63              | -1.27             |              |
| 6412.00  | 91.89       | 268.06      | 4774.81   | -444.71     | -1852.98    | 1889.52  | 2.48             | 2.47               | 0.18              |              |
| 6508.00  | 90.48       | 268.24      | 4772.83   | -447.81     | -1948.90    | 1985.24  | 1.48             | -1.47              | 0.19              |              |
| 6603.00  | 91.71       | 268.94      | 4771.01   | -450.15     | -2043.86    | 2079.91  | 1.49             | 1.29               | 0.74              |              |
| 6698.00  | 92.95       | 268.68      | 4767.15   | -452.12     | -2138.75    | 2174.49  | 1.33             | 1.31               | -0.27             |              |
| 6794.00  | 89.52       | 265.78      | 4765.08   | -456.76     | -2234.60    | 2270.29  | 4.68             | -3.57              | -3.02             |              |
| 6890.00  | 91.28       | 267.62      | 4764.41   | -462.28     | -2330.43    | 2366.17  | 2.65             | 1.83               | 1.92              |              |
| 6985.00  | 91.10       | 266.57      | 4762.44   | -467.09     | -2425.28    | 2461.00  | 1.12             | -0.19              | -1.11             |              |
| 7177.00  | 91.63       | 265.16      | 4757.86   | -480.93     | -2616.72    | 2652.83  | 0.78             | 0.28               | -0.73             |              |
| 7274.00  | 92.53       | 264.90      | 4754.34   | -489.33     | -2713.29    | 2749.75  | 0.97             | 0.93               | -0.27             |              |
| 7370.00  | 91.10       | 263.14      | 4751.30   | -499.33     | -2808.72    | 2845.70  | 2.36             | -1.49              | -1.83             |              |
| 7466.00  | 88.72       | 261.47      | 4751.45   | -512.18     | -2903.84    | 2941.65  | 3.03             | -2.48              | -1.74             |              |
| 7560.00  | 91.89       | 264.46      | 4750.95   | -523.69     | -2997.11    | 3035.61  | 4.64             | 3.37               | 3.18              |              |
| 7655.00  | 91.89       | 264.28      | 4747.82   | -533.01     | -3091.60    | 3130.56  | 0.19             | 0.00               | -0.19             |              |
| 7720.00  | 91.10       | 263.32      | 4746.12   | -540.02     | -3156.20    | 3195.53  | 1.91             | -1.22              | -1.48             |              |
| 7817.00  | 89.43       | 263.23      | 4745.67   | -551.38     | -3252.52    | 3292.52  | 1.72             | -1.72              | -0.09             |              |
| 7849.00  | 89.34       | 263.32      | 4746.02   | -555.13     | -3284.30    | 3324.52  | 0.40             | -0.28              | 0.28              |              |
| 7945.00  | 89.78       | 263.58      | 4746.76   | -566.08     | -3379.67    | 3420.51  | 0.53             | 0.46               | 0.27              |              |
| 8040.00  | 91.45       | 264.55      | 4745.74   | -575.90     | -3474.15    | 3515.50  | 2.03             | 1.76               | 1.02              |              |
| 8136.00  | 90.22       | 263.67      | 4744.34   | -585.75     | -3569.63    | 3611.49  | 1.58             | -1.28              | -0.92             |              |
| 8231.00  | 88.11       | 263.84      | 4745.72   | -596.08     | -3664.06    | 3706.47  | 2.23             | -2.22              | 0.18              |              |
| 8327.00  | 89.69       | 265.81      | 4747.56   | -604.74     | -3759.64    | 3802.43  | 2.63             | 1.65               | 2.05              |              |

# Pathfinder Energy

## Survey Report

|                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                |
|------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Company:</b> EOG Resources<br><b>Field:</b> Thames Field<br><b>Site:</b> Potomac A 9 Fee #1H<br><b>Well:</b> Potomac A 9 Fee #1H<br><b>Wellpath:</b> OH | <b>Date:</b> 5/29/2007 <b>Time:</b> 08:52:57 <b>Page:</b> 3<br><b>Co-ordinate(NE) Reference:</b> Well: Potomac A 9 Fee #1H, Grid North<br><b>Vertical (TVD) Reference:</b> SITE 3496.0<br><b>Section (VS) Reference:</b> Well (0.00N,0.00E,263.95Azi)<br><b>Survey Calculation Method:</b> Minimum Curvature <b>Db:</b> Sybase |
|------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

**Survey:** Pathfinder MWD

| MD<br>ft | Incl<br>deg | Azim<br>deg | TVD<br>ft | +N/-S<br>ft | +E/-W<br>ft | VS<br>ft | DLS<br>deg/100ft | Build<br>deg/100ft | Turn<br>deg/100ft | Tool/Comment                                        |
|----------|-------------|-------------|-----------|-------------|-------------|----------|------------------|--------------------|-------------------|-----------------------------------------------------|
| 8427.00  | 89.57       | 265.69      | 4748.21   | -612.15     | -3859.36    | 3902.38  | 0.17             | -0.12              | -0.12             |                                                     |
| 8517.00  | 90.57       | 265.69      | 4748.10   | -618.92     | -3949.11    | 3992.34  | 1.11             | 1.11               | 0.00              |                                                     |
| 8613.00  | 90.13       | 265.34      | 4747.51   | -626.42     | -4044.81    | 4088.30  | 0.59             | -0.46              | -0.36             |                                                     |
| 8709.00  | 91.10       | 264.02      | 4746.48   | -635.32     | -4140.39    | 4184.28  | 1.71             | 1.01               | -1.37             |                                                     |
| 8805.00  | 88.90       | 262.44      | 4746.48   | -646.64     | -4235.71    | 4280.27  | 2.82             | -2.29              | -1.65             |                                                     |
| 8878.00  | 90.22       | 262.88      | 4747.04   | -655.96     | -4308.11    | 4353.25  | 1.91             | 1.81               | 0.60              | Final MWD Survey @ 8878'<br>Proj. to Bit @ 8950' MD |
| 8950.00  | 90.22       | 262.88      | 4746.77   | -664.89     | -4379.55    | 4425.23  | 0.00             | 0.00               | 0.00              |                                                     |

### Annotation

| MD<br>ft | TVD<br>ft |                             |
|----------|-----------|-----------------------------|
| 8878.00  | 4747.04   | Final MWD Survey @ 8878' MD |
| 8950.00  | 4746.77   | Proj. to Bit @ 8950' MD     |

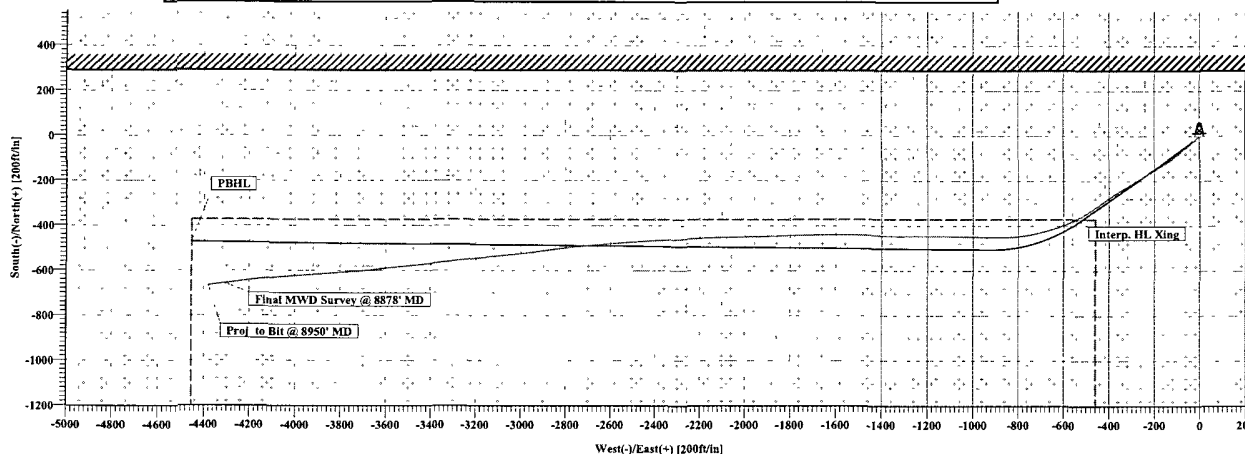


Field: Thames Field  
Site: Potomac A 9 Fee #1H  
Well: Potomac A 9 Fee #1H  
Wellpath: OH  
Survey: Pathfinder MWD

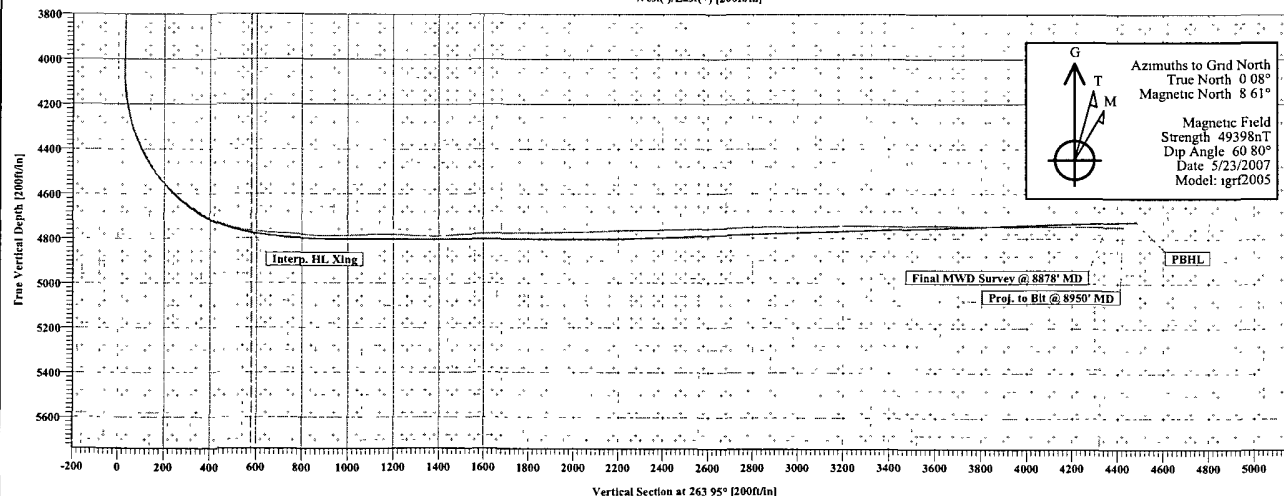
**PATHFINDER**

| No | MD      | Inc   | Az     | TVD     | +N/-S   | +E/-W    | DLeg | TFace   | VSec    |
|----|---------|-------|--------|---------|---------|----------|------|---------|---------|
| 73 | 7945 00 | 89 78 | 263 58 | 4746 76 | -566 08 | -3379 67 | 0 53 | 30 58   | 3420 51 |
| 74 | 8040 00 | 91 45 | 264 55 | 4745 74 | -575 90 | -3474 15 | 2 03 | 30 14   | 3515 50 |
| 75 | 8136 00 | 90 22 | 263 67 | 4744 34 | -585 75 | -3569 63 | 1 58 | -144 41 | 3611 49 |
| 76 | 8231 00 | 88 11 | 263 84 | 4745 72 | -596 08 | -3664 06 | 2 23 | 175 40  | 3706 47 |
| 77 | 8327 00 | 89 69 | 265 81 | 4747 56 | -604 74 | -3759 64 | 2 63 | 51 29   | 3802 43 |
| 78 | 8427 00 | 89 57 | 265 69 | 4748 21 | -612 15 | -3859 36 | 0 17 | -135 00 | 3902 38 |
| 79 | 8517 00 | 90 57 | 265 69 | 4748 10 | -618 92 | -3949 11 | 1 11 | 0 00    | 3992 34 |
| 80 | 8613 00 | 90.13 | 265 34 | 4747 51 | -626 42 | -4044 81 | 0 59 | -141 50 | 4088 30 |
| 81 | 8709 00 | 91 10 | 264 02 | 4746 48 | -635 32 | -4140 39 | 1 71 | -53 68  | 4184 28 |
| 82 | 8805 00 | 88 90 | 262 44 | 4746 48 | -646 64 | -4235 71 | 2 82 | -144.31 | 4280 27 |
| 83 | 8878 00 | 90 22 | 262 88 | 4747 04 | -655 96 | -4308 11 | 1 91 | 18 44   | 4353 25 |
| 84 | 8950 00 | 90 22 | 262 88 | 4746 77 | -664 89 | -4379 55 | 0 00 | 0 00    | 4425 23 |

| SITE DETAILS           |           |
|------------------------|-----------|
| Potomac A 9 Fee #1H    |           |
| Site Centre Northing   | 707179 70 |
| Easting                | 454433 50 |
| Ground Level           | 3477 00   |
| Positional Uncertainty | 0 00      |
| Convergence            | -0 08     |



| TARGET DETAILS |         |         |          |       |
|----------------|---------|---------|----------|-------|
| Name           | TVD     | +N/-S   | +E/-W    | Shape |
| PBHL           | 4725 00 | -472 10 | -4454 80 | Point |
| Interp HL Xing | 4770 00 | -372 67 | -514 00  | Point |



| WELLPATH DETAILS |              |              |                   |
|------------------|--------------|--------------|-------------------|
| OH               |              |              |                   |
| Rig Ref Datum    | SITE         | 3496 00ft    |                   |
| V Section Angle  | Origin +N/-S | Origin +E/-W | Starting From TVD |
| 263 95°          | 0 00         | 0 00         | 0 00              |

| ANNOTATIONS |         |         |                             |
|-------------|---------|---------|-----------------------------|
| No          | TVD     | MD      | Annotation                  |
| 1           | 4747 04 | 8878 00 | Final MWD Survey @ 8878' MD |
| 2           | 4746 77 | 8950 00 | Proj to Bit @ 8950' MD      |