30 015 35825

eog resources

SEP 12 2007
OCD-ARTESIA

(432) 686-3642 Office
(432) 770-0602 Cell
Donny_Glanton@eogresources.com

EOG Resources, Inc.
P.O. Box 2267
Midland, TX 79702
(432) 686-3600

September 10, 2007

OCD-Artesia
Att: Mr. Bryan Arrent
1301 W. Grand Avenue
Artesia, NM 88210

**Re: KLAMATH A 26 STATE COM 1H**

Dear Mr. Arrent:

As per the submittal comments of the C-101 (Electronic Permitting Application) for the above captioned well, please find the following additional information submitted for your review and processing.

- Well Plat
- Detailed Casing
- Mud
- Cement
- Drilling Plan
- $H_2S$ Letter

Should you have any additional questions, please feel to give me a call.

Thanks and best regards.

Very truly yours,

Donny G. Glanton
Sr. ROW Lease Operations Representative

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, 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 & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

SEP 12 2007
OCD-ARTESIA

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 | Pool Code | Pool Name |
|---|---|---|
| | 97553 | FOUR MILE DRAW; WOLFCAMP, SW |

| Property Code | Property Name | Well Number |
|---|---|---|
| | *KLAMATH "A" 26 STATE COM* | *1H* |

| OGRID No. | Operator Name | Elevation |
|---|---|---|
| 7377 | *EOG RESOURCES, INC.* | *4118'* |

## Surface Location

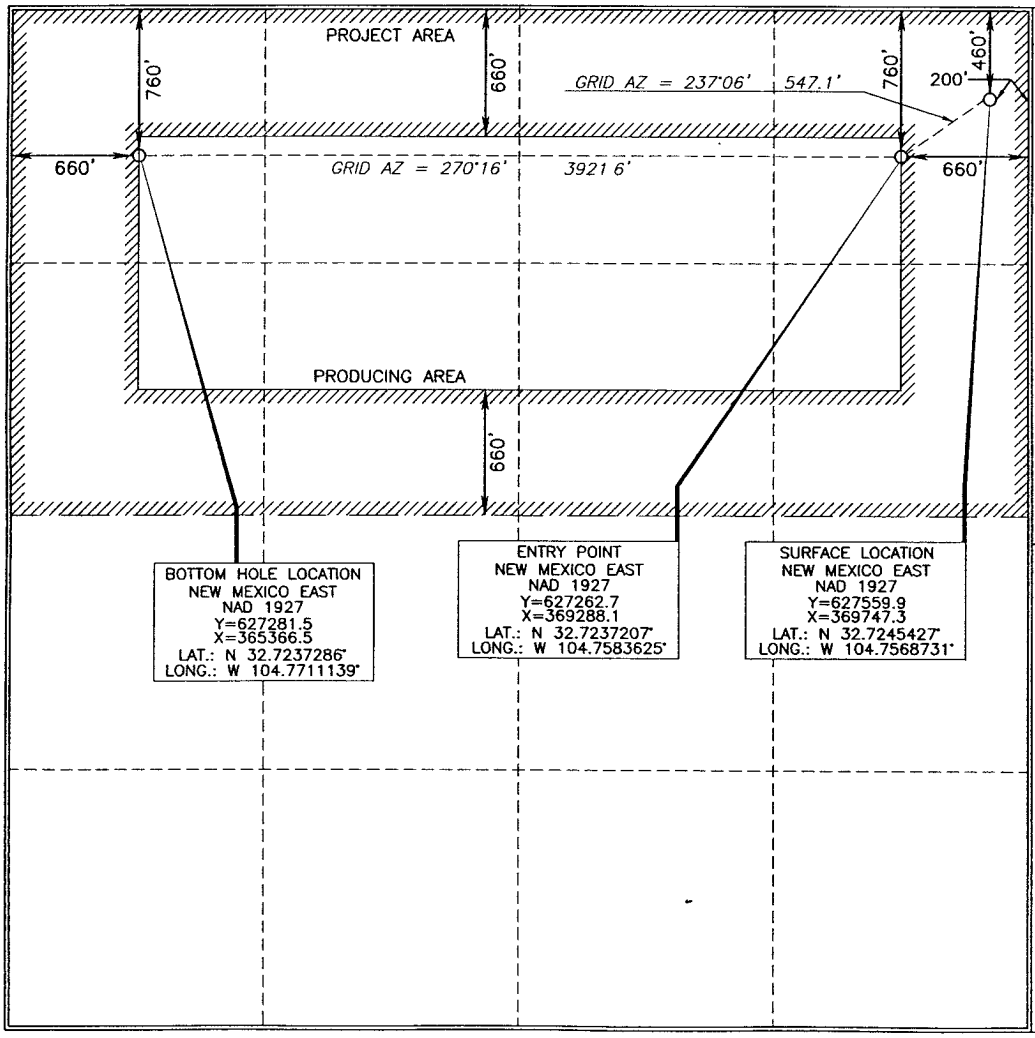
| UL or lot no. | Section | Township | Range | Lot Idn | Feet from the | North/South line | Feet from the | East/West line | County |
|---|---|---|---|---|---|---|---|---|---|
| *A* | *26* | *18 SOUTH* | *21 EAST, N.M.P.M.* | | *460* | *NORTH* | *200* | *EAST* | *EDDY* |

## 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* | *26* | *18 SOUTH* | *21 EAST, N.M.P.M.* | | *760* | *NORTH* | *660* | *WEST* | *EDDY* |

| Dedicated Acres | Joint or Infill | Consolidation Code | Order No. |
|---|---|---|---|
| 320 | | | |

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 9/10/2007
*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 actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.*

AUGUST 9, 2007
*Date of Survey*

*Signature and Seal of Professional Surveyor:*

NEW MEXICO REGISTERED PROFESSIONAL LAND SURVEYOR 15079

Terry J. Asel 8/27/2007
*Certificate Number* 15079

WO# 070809WL-a (KA)

**Permit Information**:

Well Name: Klamath A 26 State Com #1H

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Location:
SL 460' FNL & 200' FEL, Section 26, T-18-S, R-21-E, Eddy Co., N.M.
BHL 760' FNL & 660' FWL, Section 26, T-18-S, R-21-E, Eddy Co., N.M.

**Casing Program**:

| Casing | Setting Depth | Hole Size | Casing Size | Casing Weight | Casing Grade | Desired TOC |
|---|---|---|---|---|---|---|
| Surface | 900' | 12-1/4" | 8-5/8" | 32# | J-55 | Surface |
| Production | 8,452' | 7-7/8" | 5 ½" | 17# | N-80 | Surface |

**Cement Program**:

| Depth | No. Sacks | Slurries: |
|---|---|---|
| 900' | 200 | Lead: Premium Plus + 2% $CaCl_2$ + 3% Econolite + ¼ pps Flocele |
| | 175 | Tail: Premium Plus + 2% $CaCl_2$ + ¼ pps Flocele |
| 8,452' | 400 | Lead: Interfill C + 0.125 pps Poly-E-Flake |
| | 800 | Tail: 50:50 Poz C + 0.5% LAP-1 + 0.2% Econolite |
| | | |

**Mud Program**:

| Depth | Type | Weight (ppg) | Viscosity | Water Loss |
|---|---|---|---|---|
| 0 – 900' | Fresh - Gel | 8.6-8.8 | 28-34 | N/c |
| 900' – 3,800' | Cut Brine | 8.8-9.2 | 28-34 | N/c |
| 3,800' – 4,500' | Cut Brine | 8.8-9.2 | 28-34 | 10-15 |
| 3,650' – 8,452' | Polymer (Lateral) | 9.0-9.4 | 40-45 | 10-25 |

eog resources

**EOG Resources, Inc.**
P.O. Box 2267
Midland, TX 79702
(432) 686-3600

SEP 12 2007
OCD-ARTESIA

September 7, 2007

State of New Mexico Energy, Minerals and Natural Resources
Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

To Whom It May Concern:

I am writing to request a waiver for the inclusion of an $H_2S$ Contingency Plan for the Klamath A 26 State Com #1H. The current plan is to complete this well in the Wolfcamp, which is sweet, and I do not anticipate encountering any $H_2S$ bearing formations during drilling operations.

Sincerely,

Jason LaGrega
Drilling Engineer

SEP 12 2007
OCD-ARTESIA

| | | | |
|---|---|---|---|
| Database: | EDM | Local Co-ordinate Reference: | Well Klamath A 26 State Com #1H |
| Company: | EOG - Midland (3) | TVD Reference: | WELL @ 4137 00ft (Original Well Elev) |
| Project: | Thames | MD Reference: | WELL @ 4137.00ft (Original Well Elev) |
| Site: | Klamath A 26 State Com #1H | North Reference: | Grid |
| Well: | Klamath A 26 State Com #1H | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | Klamath A 26 State Com #1H | | |
| Design: | Original Plan | | |

**Project** Thames

| | | | |
|---|---|---|---|
| Map System: | US State Plane 1927 (Exact solution) | System Datum: | Ground Level |
| Geo Datum: | NAD 1927 (NADCON CONUS) | | |
| Map Zone: | New Mexico East 3001 | | |

**Site** Klamath A 26 State Com #1H

| | | | | | |
|---|---|---|---|---|---|
| Site Position: | | Northing: | 627,559.90ft | Latitude: | 32° 43' 28.354 N |
| From: | Map | Easting: | 369,747.30ft | Longitude: | 104° 45' 24 743 W |
| Position Uncertainty: | 0 00 ft | Slot Radius: | " | Grid Convergence: | -0 23 ° |

**Well** Klamath A 26 State Com #1H

| | | | | | | |
|---|---|---|---|---|---|---|
| Well Position | +N/-S | 0.00 ft | Northing: | 627,559 90 ft | Latitude: | 32° 43' 28 354 N |
| | +E/-W | 0 00 ft | Easting: | 369,747 30 ft | Longitude: | 104° 45' 24 743 W |
| Position Uncertainty | | 0 00 ft | Wellhead Elevation: | ft | Ground Level: | 4,118.00ft |

**Wellbore** Klamath A 26 State Com #1H

| Magnetics | Model Name | Sample Date | Declination (°) | Dip Angle (°) | Field Strength (nT) |
|---|---|---|---|---|---|
| | IGRF2005 | 9/10/2007 | 8.59 | 60 51 | 49,106 |

**Design** Original Plan

Audit Notes:

| | | | | | |
|---|---|---|---|---|---|
| Version: | | Phase: | PROTOTYPE | Tie On Depth: | 0 00 |

| Vertical Section: | Depth From (TVD) (ft) | +N/-S (ft) | +E/-W (ft) | Direction (°) |
|---|---|---|---|---|
| | 4,211 00 | 0.00 | 0 00 | 266.36 |

**Plan Sections**

| Measured Depth (ft) | Inclination (°) | Azimuth (°) | Vertical Depth (ft) | +N/-S (ft) | +E/-W (ft) | Dogleg Rate (°/100ft) | Build Rate (°/100ft) | Turn Rate (°/100ft) | TFO (°) | Target |
|---|---|---|---|---|---|---|---|---|---|---|
| 0 00 | 0.00 | 0 00 | 0.00 | 0 00 | 0.00 | 0.00 | 0 00 | 0.00 | 0 00 | |
| 3,650 00 | 0.00 | 360 00 | 3,650 00 | 0.00 | 0.00 | 0 00 | 0 00 | 0.00 | 360 00 | |
| 4,529.04 | 80 00 | 245.00 | 4,270 00 | -219 86 | -471 50 | 9 10 | 9 10 | 0.00 | 245 00 | |
| 4,868.15 | 90 00 | 270.20 | 4,300 00 | -291 16 | -798 46 | 7 96 | 2 95 | 7.43 | 69.74 | |
| 5,868.15 | 90 00 | 270 20 | 4,300 00 | -287 67 | -1,798 45 | 0 00 | 0 00 | 0.00 | 0 00 | |
| 5,934.81 | 92.00 | 270 21 | 4,298 84 | -287.44 | -1,865 10 | 3 00 | 3 00 | 0.01 | 0 17 | |
| 8,451 92 | 92 00 | 270 21 | 4,211.00 | -278.40 | -4,380.66 | 0.00 | 0 00 | 0 00 | 0.00 | |
| 8,452 06 | 92 00 | 270.21 | 4,211.00 | -278 40 | -4,380 80 | 3 00 | 0 23 | 2 99 | 0.00 | BHL (Klamath A #1 |

| | | | |
|---|---|---|---|
| **Database:** | EDM | **Local Co-ordinate Reference:** | Well Klamath A 26 State Com #1H |
| **Company:** | EOG - Midland (3) | **TVD Reference:** | WELL @ 4137 00ft (Original Well Elev) |
| **Project:** | Thames | **MD Reference:** | WELL @ 4137 00ft (Original Well Elev) |
| **Site:** | Klamath A 26 State Com #1H | **North Reference:** | Grid |
| **Well:** | Klamath A 26 State Com #1H | **Survey Calculation Method:** | Minimum Curvature |
| **Wellbore:** | Klamath A 26 State Com #1H | | |
| **Design:** | Original Plan | | |

**Planned Survey**

| Measured Depth (ft) | Inclination (°) | Azimuth (°) | Vertical Depth (ft) | +N/-S (ft) | +E/-W (ft) | Vertical Section (ft) | Dogleg Rate (°/100ft) | Build Rate (°/100ft) | Turn Rate (°/100ft) |
|---|---|---|---|---|---|---|---|---|---|
| 0 00 | 0.00 | 0 00 | 0 00 | 0.00 | 0 00 | 0 00 | 0 00 | 0 00 | 0 00 |
| 100.00 | 0.00 | 360 00 | 100.00 | 0 00 | 0 00 | 0 00 | 0 00 | 0.00 | 0 00 |
| 200.00 | 0.00 | 360.00 | 200.00 | 0 00 | 0 00 | 0.00 | 0.00 | 0 00 | 0.00 |
| 300.00 | 0.00 | 360 00 | 300.00 | 0 00 | 0 00 | 0 00 | 0 00 | 0.00 | 0.00 |
| 400.00 | 0 00 | 360.00 | 400 00 | 0 00 | 0 00 | 0 00 | 0 00 | 0 00 | 0.00 |
| 500.00 | 0 00 | 360 00 | 500.00 | 0 00 | 0.00 | 0 00 | 0 00 | 0.00 | 0 00 |
| 600.00 | 0.00 | 360.00 | 600 00 | 0 00 | 0 00 | 0.00 | 0.00 | 0 00 | 0 00 |
| 700 00 | 0.00 | 360 00 | 700 00 | 0 00 | 0.00 | 0 00 | 0 00 | 0.00 | 0 00 |
| 800 00 | 0.00 | 360 00 | 800 00 | 0.00 | 0.00 | 0 00 | 0.00 | 0 00 | 0 00 |
| 900.00 | 0.00 | 360.00 | 900 00 | 0.00 | 0.00 | 0 00 | 0.00 | 0.00 | 0 00 |
| 1,000.00 | 0.00 | 360 00 | 1,000.00 | 0.00 | 0 00 | 0 00 | 0 00 | 0.00 | 0.00 |
| 1,100.00 | 0.00 | 360.00 | 1,100 00 | 0.00 | 0 00 | 0.00 | 0 00 | 0 00 | 0.00 |
| 1,200 00 | 0 00 | 360.00 | 1,200 00 | 0.00 | 0.00 | 0 00 | 0 00 | 0.00 | 0.00 |
| 1,300 00 | 0.00 | 360.00 | 1,300 00 | 0.00 | 0 00 | 0.00 | 0.00 | 0 00 | 0.00 |
| 1,400 00 | 0 00 | 360 00 | 1,400.00 | 0.00 | 0.00 | 0 00 | 0 00 | 0.00 | 0 00 |
| 1,500.00 | 0 00 | 360 00 | 1,500.00 | 0.00 | 0.00 | 0 00 | 0 00 | 0 00 | 0 00 |
| 1,600.00 | 0.00 | 360 00 | 1,600.00 | 0 00 | 0 00 | 0.00 | 0.00 | 0 00 | 0 00 |
| 1,700 00 | 0 00 | 360 00 | 1,700.00 | 0 00 | 0 00 | 0 00 | 0.00 | 0 00 | 0 00 |
| 1,800 00 | 0.00 | 360 00 | 1,800.00 | 0 00 | 0 00 | 0 00 | 0.00 | 0 00 | 0.00 |
| 1,900 00 | 0 00 | 360.00 | 1,900.00 | 0.00 | 0.00 | 0 00 | 0.00 | 0 00 | 0 00 |
| 2,000 00 | 0.00 | 360.00 | 2,000 00 | 0 00 | 0.00 | 0.00 | 0.00 | 0.00 | 0 00 |
| 2,100 00 | 0.00 | 360.00 | 2,100 00 | 0 00 | 0.00 | 0.00 | 0.00 | 0.00 | 0 00 |
| 2,200 00 | 0 00 | 360.00 | 2,200 00 | 0 00 | 0 00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 2,300 00 | 0.00 | 360.00 | 2,300.00 | 0 00 | 0.00 | 0.00 | 0 00 | 0.00 | 0.00 |
| 2,400.00 | 0.00 | 360.00 | 2,400 00 | 0 00 | 0 00 | 0.00 | 0 00 | 0.00 | 0.00 |
| 2,500.00 | 0 00 | 360 00 | 2,500 00 | 0 00 | 0 00 | 0.00 | 0.00 | 0 00 | 0 00 |
| 2,600.00 | 0 00 | 360 00 | 2,600.00 | 0.00 | 0.00 | 0 00 | 0 00 | 0 00 | 0.00 |
| 2,700.00 | 0 00 | 360 00 | 2,700 00 | 0.00 | 0 00 | 0 00 | 0.00 | 0.00 | 0.00 |
| 2,800.00 | 0.00 | 360.00 | 2,800 00 | 0.00 | 0 00 | 0 00 | 0 00 | 0.00 | 0 00 |
| 2,900.00 | 0.00 | 360 00 | 2,900.00 | 0.00 | 0.00 | 0 00 | 0.00 | 0 00 | 0 00 |
| 3,000 00 | 0.00 | 360.00 | 3,000 00 | 0.00 | 0.00 | 0 00 | 0 00 | 0 00 | 0 00 |
| 3,100.00 | 0.00 | 360.00 | 3,100 00 | 0.00 | 0 00 | 0 00 | 0.00 | 0.00 | 0 00 |
| 3,200.00 | 0 00 | 360.00 | 3,200 00 | 0.00 | 0 00 | 0 00 | 0.00 | 0.00 | 0 00 |
| 3,300 00 | 0.00 | 360.00 | 3,300.00 | 0.00 | 0.00 | 0 00 | 0.00 | 0.00 | 0 00 |
| 3,400.00 | 0 00 | 360 00 | 3,400.00 | 0.00 | 0 00 | 0 00 | 0.00 | 0 00 | 0 00 |
| 3,500.00 | 0.00 | 360 00 | 3,500.00 | 0.00 | 0 00 | 0 00 | 0.00 | 0.00 | 0.00 |
| 3,600.00 | 0.00 | 360 00 | 3,600.00 | 0.00 | 0 00 | 0.00 | 0.00 | 0.00 | 0 00 |
| 3,650 00 | 0 00 | 360.00 | 3,650 00 | 0.00 | 0 00 | 0 00 | 0.00 | 0.00 | 0 00 |
| 3,700 00 | 4.55 | 245 00 | 3,699.95 | -0.84 | -1 80 | 1 85 | 9.10 | 9.10 | 0.00 |
| 3,800 00 | 13.65 | 245 00 | 3,798 58 | -7.52 | -16 12 | 16 56 | 9.10 | 9.10 | 0.00 |
| 3,900.00 | 22 75 | 245 00 | 3,893 48 | -20 70 | -44 40 | 45 62 | 9.10 | 9.10 | 0 00 |
| 4,000 00 | 31.85 | 245 00 | 3,982.25 | -40.07 | -85 93 | 88.29 | 9 10 | 9 10 | 0 00 |
| 4,100 00 | 40.95 | 245.00 | 4,062 65 | -65 12 | -139 66 | 143.51 | 9.10 | 9.10 | 0 00 |
| 4,200 00 | 50.05 | 245.00 | 4,132 66 | -95 24 | -204 24 | 209.86 | 9.10 | 9.10 | 0 00 |
| 4,300.00 | 59.16 | 245 00 | 4,190 52 | -129.65 | -278.04 | 285 70 | 9 10 | 9 10 | 0.00 |
| 4,400 00 | 68.26 | 245.00 | 4,234.77 | -167.50 | -359 21 | 369.11 | 9.10 | 9.10 | 0 00 |
| 4,500.00 | 77.36 | 245.00 | 4,264.30 | -207.83 | -445.70 | 457.98 | 9.10 | 9.10 | 0 00 |
| 4,529 04 | 80 00 | 245 00 | 4,270 00 | -219.86 | -471 50 | 484.49 | 9 10 | 9 10 | 0 00 |
| 4,546 81 | 80.49 | 246 35 | 4,273 01 | -227 08 | -487 46 | 500 88 | 7 96 | 2 77 | 7 57 |
| **PP (Klamath A #1H)** | | | | | | | | | |
| 4,600.00 | 82.00 | 250 35 | 4,281 11 | -246 47 | -536.31 | 550.86 | 7.96 | 2.83 | 7 53 |
| 4,700 00 | 84.92 | 257 80 | 4,292.52 | -273 68 | -631 77 | 647.86 | 7 96 | 2 92 | 7 45 |
| 4,800 00 | 87 93 | 265 19 | 4,298 77 | -288 42 | -730.40 | 747 22 | 7.96 | 3.01 | 7.38 |

| | | | |
|---|---|---|---|
| **Database:** | EDM | **Local Co-ordinate Reference:** | Well Klamath A 26 State Com #1H |
| **Company:** | EOG - Midland (3) | **TVD Reference:** | WELL @ 4137 00ft (Original Well Elev) |
| **Project:** | Thames | **MD Reference:** | WELL @ 4137.00ft (Original Well Elev) |
| **Site:** | Klamath A 26 State Com #1H | **North Reference:** | Grid |
| **Well:** | Klamath A 26 State Com #1H | **Survey Calculation Method:** | Minimum Curvature |
| **Wellbore:** | Klamath A 26 State Com #1H | | |
| **Design:** | Original Plan | | |

**Planned Survey**

| Measured Depth (ft) | Inclination (°) | Azimuth (°) | Vertical Depth (ft) | +N/-S (ft) | +E/-W (ft) | Vertical Section (ft) | Dogleg Rate (°/100ft) | Build Rate (°/100ft) | Turn Rate (°/100ft) |
|---|---|---|---|---|---|---|---|---|---|
| 4,868.15 | 90.00 | 270.20 | 4,300 00 | -291 16 | -798 46 | 815.32 | 7.96 | 3.04 | 7.36 |
| 4,900 00 | 90.00 | 270.20 | 4,300.00 | -291.05 | -830 31 | 847 10 | 0 00 | 0 00 | 0.00 |
| 5,000 00 | 90.00 | 270 20 | 4,300.00 | -290 70 | -930 31 | 946 87 | 0 00 | 0 00 | 0.00 |
| 5,100 00 | 90 00 | 270 20 | 4,300.00 | -290 35 | -1,030 31 | 1,046.65 | 0 00 | 0 00 | 0.00 |
| 5,200 00 | 90 00 | 270 20 | 4,300.00 | -290 01 | -1,130 31 | 1,146 42 | 0 00 | 0 00 | 0.00 |
| 5,300.00 | 90 00 | 270 20 | 4,300.00 | -289.66 | -1,230 31 | 1,246.20 | 0 00 | 0 00 | 0.00 |
| 5,400 00 | 90 00 | 270 20 | 4,300.00 | -289.31 | -1,330.31 | 1,345 98 | 0 00 | 0 00 | 0 00 |
| 5,500 00 | 90.00 | 270 20 | 4,300.00 | -288 96 | -1,430 30 | 1,445.75 | 0 00 | 0.00 | 0 00 |
| 5,600.00 | 90.00 | 270 20 | 4,300.00 | -288.61 | -1,530 30 | 1,545.53 | 0 00 | 0.00 | 0.00 |
| 5,700.00 | 90.00 | 270 20 | 4,300.00 | -288.26 | -1,630.30 | 1,645.30 | 0 00 | 0.00 | 0.00 |
| 5,800.00 | 90.00 | 270 20 | 4,300.00 | -287.91 | -1,730.30 | 1,745 08 | 0.00 | 0.00 | 0.00 |
| 5,868.15 | 90.00 | 270.20 | 4,300.00 | -287.67 | -1,798 45 | 1,813 08 | 0.00 | 0.00 | 0.00 |
| 5,900 00 | 90 96 | 270 20 | 4,299.73 | -287.56 | -1,830 30 | 1,844 85 | 3.00 | 3.00 | 0.01 |
| 5,934.81 | 92.00 | 270 21 | 4,298 84 | -287.44 | -1,865.10 | 1,879 57 | 3.00 | 3.00 | 0 01 |
| 6,000.00 | 92.00 | 270 21 | 4,296 56 | -287.20 | -1,930 25 | 1,944.58 | 0 00 | 0 00 | 0 00 |
| 6,100.00 | 92.00 | 270 21 | 4,293 07 | -286.84 | -2,030 19 | 2,044 29 | 0.00 | 0.00 | 0 00 |
| 6,200.00 | 92.00 | 270 21 | 4,289 58 | -286.49 | -2,130 13 | 2,144.01 | 0.00 | 0 00 | 0.00 |
| 6,300.00 | 92.00 | 270.21 | 4,286.09 | -286.13 | -2,230.06 | 2,243.72 | 0.00 | 0.00 | 0.00 |
| 6,400.00 | 92.00 | 270 21 | 4,282 60 | -285.77 | -2,330.00 | 2,343 44 | 0.00 | 0.00 | 0.00 |
| 6,500.00 | 92.00 | 270.21 | 4,279.12 | -285.41 | -2,429.94 | 2,443 15 | 0.00 | 0.00 | 0.00 |
| 6,600.00 | 92.00 | 270 21 | 4,275 63 | -285.05 | -2,529.88 | 2,542 86 | 0.00 | 0.00 | 0.00 |
| 6,700 00 | 92.00 | 270.21 | 4,272 14 | -284.69 | -2,629 82 | 2,642.58 | 0.00 | 0.00 | 0.00 |
| 6,800 00 | 92.00 | 270.21 | 4,268 65 | -284 33 | -2,729.76 | 2,742 29 | 0.00 | 0 00 | 0.00 |
| 6,900.00 | 92 00 | 270.21 | 4,265 16 | -283.97 | -2,829.69 | 2,842 01 | 0.00 | 0.00 | 0 00 |
| 7,000.00 | 92 00 | 270.21 | 4,261 67 | -283.61 | -2,929.63 | 2,941 72 | 0.00 | 0.00 | 0 00 |
| 7,100 00 | 92 00 | 270.21 | 4,258 18 | -283 25 | -3,029.57 | 3,041.44 | 0.00 | 0 00 | 0 00 |
| 7,200 00 | 92.00 | 270.21 | 4,254 69 | -282 90 | -3,129.51 | 3,141 15 | 0.00 | 0 00 | 0 00 |
| 7,300.00 | 92.00 | 270.21 | 4,251 20 | -282 54 | -3,229.45 | 3,240 87 | 0.00 | 0 00 | 0.00 |
| 7,400.00 | 92.00 | 270.21 | 4,247 71 | -282 18 | -3,329.39 | 3,340 58 | 0.00 | 0.00 | 0 00 |
| 7,500 00 | 92.00 | 270.21 | 4,244 22 | -281 82 | -3,429.33 | 3,440.29 | 0.00 | 0.00 | 0.00 |
| 7,600.00 | 92 00 | 270.21 | 4,240 73 | -281.46 | -3,529.26 | 3,540 01 | 0.00 | 0.00 | 0.00 |
| 7,700 00 | 92 00 | 270.21 | 4,237.24 | -281.10 | -3,629.20 | 3,639 72 | 0.00 | 0.00 | 0.00 |
| 7,800 00 | 92 00 | 270 21 | 4,233 75 | -280.74 | -3,729.14 | 3,739.44 | 0.00 | 0.00 | 0.00 |
| 7,900.00 | 92.00 | 270 21 | 4,230 26 | -280.38 | -3,829 08 | 3,839.15 | 0 00 | 0.00 | 0.00 |
| 8,000.00 | 92.00 | 270 21 | 4,226 77 | -280.02 | -3,929.02 | 3,938.87 | 0 00 | 0.00 | 0.00 |
| 8,100.00 | 92 00 | 270 21 | 4,223 28 | -279.66 | -4,028 96 | 4,038.58 | 0 00 | 0 00 | 0.00 |
| 8,200 00 | 92 00 | 270 21 | 4,219.80 | -279.30 | -4,128 89 | 4,138.30 | 0.00 | 0 00 | 0 00 |
| 8,300 00 | 92 00 | 270 21 | 4,216 31 | -278.95 | -4,228.83 | 4,238.01 | 0.00 | 0 00 | 0 00 |
| 8,400 00 | 92 00 | 270 21 | 4,212.82 | -278 59 | -4,328 77 | 4,337.73 | 0.00 | 0 00 | 0.00 |
| 8,451.92 | 92.00 | 270 21 | 4,211 00 | -278.40 | -4,380 66 | 4,389.50 | 0.00 | 0 00 | 0.00 |
| 8,452.06 | 92 00 | 270 21 | 4,211.00 | -278 40 | -4,380.80 | 4,389.64 | 3.00 | 0 23 | 2 99 |
| **BHL (Klamath A #1H)** | | | | | | | | | |

SEP 12 2007
OCD-ARTESIA

| | | | |
|---|---|---|---|
| **Database:** | EDM | **Local Co-ordinate Reference:** | Well Klamath A 26 State Com #1H |
| **Company:** | EOG - Midland (3) | **TVD Reference:** | WELL @ 4137 00ft (Original Well Elev) |
| **Project:** | Thames | **MD Reference:** | WELL @ 4137 00ft (Original Well Elev) |
| **Site:** | Klamath A 26 State Com #1H | **North Reference:** | Grid |
| **Well:** | Klamath A 26 State Com #1H | **Survey Calculation Method:** | Minimum Curvature |
| **Wellbore:** | Klamath A 26 State Com #1H | | |
| **Design:** | Original Plan | | |

**Targets**

| Target Name<br>- hit/miss target<br>- Shape | Dip Angle (°) | Dip Dir. (°) | TVD (ft) | +N/-S (ft) | +E/-W (ft) | Northing (ft) | Easting (ft) | Latitude | Longitude |
|---|---|---|---|---|---|---|---|---|---|
| PP (Klamath A #1H)<br>- plan misses by 75.66ft at 4546.81ft MD (4273.01 TVD, -227.08 N, -487.46 E)<br>- Point | 0 00 | 0.00 | 4,270 00 | -297 20 | -459.20 | 627,262 70 | 369,288.10 | 32° 43' 25 395 N | 104° 45' 30 105 W |
| BHL (Klamath A #1H)<br>- plan hits target<br>- Point | 0 00 | 0 00 | 4,211 00 | -278.40 | -4,380.80 | 627,281.50 | 365,366 50 | 32° 43' 25.423 N | 104° 46' 16.011 W |

## WELL DETAILS: Klamath A 26 State Com #1H

Ground Level: 4118.00

| +N/-S | +E/-W | Northing | Easting | Latittude | Longitude | Slot |
|---|---|---|---|---|---|---|
| 0.00 | 0.00 | 627559.90 | 369747.30 | 32° 43' 28.354 N | 104° 45' 24.743 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 | 3650.00 | 0.00 | 360.00 | 3650.00 | 0.00 | 0.00 | 0.00 | 360.00 | 0.00 | |
| 3 | 4529.04 | 80.00 | 245.00 | 4270.00 | -219.86 | -471.50 | 9.10 | 245.00 | 484.49 | |
| 4 | 4868.15 | 90.00 | 270.20 | 4300.00 | -291.16 | -798.46 | 7.96 | 69.74 | 815.32 | |
| 5 | 5868.15 | 90.00 | 270.20 | 4300.00 | -287.67 | -1798.45 | 0.00 | 0.00 | 1813.08 | |
| 6 | 5934.81 | 92.00 | 270.21 | 4298.84 | -287.44 | -1865.10 | 3.00 | 0.17 | 1879.57 | |
| 7 | 8451.92 | 92.00 | 270.21 | 4211.00 | -278.40 | -4380.66 | 0.00 | 0.00 | 4389.50 | |
| 8 | 8452.06 | 92.00 | 270.21 | 4211.00 | -278.40 | -4380.80 | BHL (Klamath A 26 #1H) | 0.00 | 4389.64 | |

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