**STATE OF UTAH**
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 3

AMENDED REPORT ☐

| | |
|---|---|
| **APPLICATION FOR PERMIT TO DRILL** | **1. WELL NAME and NUMBER** Hoss 117-26 |
| **2. TYPE OF WORK** DRILL NEW WELL ■ REENTER P&A WELL ○ DEEPEN WELL ○ | **3. FIELD OR WILDCAT** UNDESIGNATED |
| **4. TYPE OF WELL** Gas Well Coalbed Methane Well: NO | **5. UNIT or COMMUNITIZATION AGREEMENT NAME** |
| **6. NAME OF OPERATOR** EOG Resources, Inc. | **7. OPERATOR PHONE** 435 781-9111 |
| **8. ADDRESS OF OPERATOR** 600 17th Street, Suite 1000 N, Denver, CO, 80202 | **9. OPERATOR E-MAIL** kaylene_gardner@eogresources.com |
| **10. MINERAL LEASE NUMBER (FEDERAL, INDIAN, OR STATE)** UTU76042 / **11. MINERAL OWNERSHIP** FEDERAL ■ INDIAN ○ STATE ○ FEE ○ | **12. SURFACE OWNERSHIP** FEDERAL ■ INDIAN ○ STATE ○ FEE ○ |
| **13. NAME OF SURFACE OWNER (if box 12 = 'fee')** | **14. SURFACE OWNER PHONE (if box 12 = 'fee')** |
| **15. ADDRESS OF SURFACE OWNER (if box 12 = 'fee')** | **16. SURFACE OWNER E-MAIL (if box 12 = 'fee')** |
| **17. INDIAN ALLOTTEE OR TRIBE NAME (if box 12 = 'INDIAN')** / **18. INTEND TO COMMINGLE PRODUCTION FROM MULTIPLE FORMATIONS** YES ○ (Submit Commingling Application) NO ■ | **19. SLANT** VERTICAL ■ DIRECTIONAL ○ HORIZONTAL ○ |

| 20. LOCATION OF WELL | FOOTAGES | QTR-QTR | SECTION | TOWNSHIP | RANGE | MERIDIAN |
|---|---|---|---|---|---|---|
| LOCATION AT SURFACE | 859 FNL 715 FWL | NWNW | 26 | 8.0 S | 23.0 E | S |
| Top of Uppermost Producing Zone | 859 FNL 715 FWL | NWNW | 26 | 8.0 S | 23.0 E | S |
| At Total Depth | 859 FNL 715 FWL | NWNW | 26 | 8.0 S | 23.0 E | S |

| | | |
|---|---|---|
| **21. COUNTY** UINTAH | **22. DISTANCE TO NEAREST LEASE LINE (Feet)** 715 | **23. NUMBER OF ACRES IN DRILLING UNIT** 1880 |
| | **25. DISTANCE TO NEAREST WELL IN SAME POOL (Applied For Drilling or Completed)** 1820 | **26. PROPOSED DEPTH** MD: 9620 TVD: 9620 |
| **27. ELEVATION - GROUND LEVEL** 5104 | **28. BOND NUMBER** NM2308 | **29. SOURCE OF DRILLING WATER / WATER RIGHTS APPROVAL NUMBER IF APPLICABLE** 49-225 |

**ATTACHMENTS**

**VERIFY THE FOLLOWING ARE ATTACHED IN ACCORCANCE WITH THE UTAH OIL AND GAS CONSERVATION GENERAL RULES**

| | |
|---|---|
| ☑ **WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER** | ☑ **COMPLETE DRILLING PLAN** |
| ☐ **AFFIDAVIT OF STATUS OF SURFACE OWNER AGREEMENT (IF FEE SURFACE)** | ☐ **FORM 5. IF OPERATOR IS OTHER THAN THE LEASE OWNER** |
| ☐ **DIRECTIONAL SURVEY PLAN (IF DIRECTIONALLY OR HORIZONTALLY DRILLED)** | ☑ **TOPOGRAPHICAL MAP** |

| | | |
|---|---|---|
| **NAME** Mary Maestas | **TITLE** Regulatory Assistant | **PHONE** 303 824-5526 |
| **SIGNATURE** | **DATE** 11/25/2008 | **EMAIL** mary_maestas@eogresources.com |
| **API NUMBER ASSIGNED** 43047502040000 | **APPROVAL** | Permit Manager |

| Proposed Hole, Casing, and Cement | | | | | | |
|---|---|---|---|---|---|---|
| **String** | **Hole Size** | **Casing Size** | **Top (MD)** | **Bottom (MD)** | | |
| Cond | 17.5 | 13.375 | 0 | 60 | | |
| **Pipe** | **Grade** | **Length** | **Weight** | | | |
| | Grade H-40 ST&C | 60 | 48.0 | | | |
| | | | | | | |
| | **Cement Interval** | **Top (MD)** | **Bottom (MD)** | | | |
| | | 0 | 60 | | | |
| | | **Cement Description** | **Class** | **Sacks** | **Yield** | **Weight** |
| | | | Class C Cement | 0 | 0.0 | 0.0 |
| | | | | | | |

| Proposed Hole, Casing, and Cement | | | | | | |
|---|---|---|---|---|---|---|
| **String** | **Hole Size** | **Casing Size** | **Top (MD)** | **Bottom (MD)** | | |
| Surf | 12.25 | 9.625 | 0 | 2300 | | |
| **Pipe** | **Grade** | **Length** | **Weight** | | | |
| | Grade J-55 ST&C | 2300 | 36.0 | | | |
| | | | | | | |
| | **Cement Interval** | **Top (MD)** | **Bottom (MD)** | | | |
| | | 0 | 2300 | | | |
| | | **Cement Description** | **Class** | **Sacks** | **Yield** | **Weight** |
| | | | Class G Cement | 185 | 3.82 | 11.0 |
| | | | Class G Cement | 207 | 1.18 | 15.6 |
| | | | | | | |

| Proposed Hole, Casing, and Cement | | | | | | |
|---|---|---|---|---|---|---|
| **String** | **Hole Size** | **Casing Size** | **Top (MD)** | **Bottom (MD)** | | |
| Prod | 7.875 | 4.5 | 0 | 9620 | | |
| **Pipe** | **Grade** | **Length** | **Weight** | | | |
| | Grade P-110 LT&C | 9620 | 11.6 | | | |
| | | | | | | |
| | **Cement Interval** | **Top (MD)** | **Bottom (MD)** | | | |
| | | 2300 | 9620 | | | |
| | | **Cement Description** | **Class** | **Sacks** | **Yield** | **Weight** |
| | | | Hi Lift "G" | 157 | 3.91 | 11.0 |
| | | | 50/50 Poz | 882 | 1.28 | 14.1 |
| | | | | | | |

# DRILLING PLAN

## HOSS 117-26
## NW/NW, SEC. 26, T8S, R23E, S.L.B.&M..
## UINTAH COUNTY, UTAH

## 1. & 2. ESTIMATED TOPS & ANTICIPATED OIL, GAS, & WATER ZONES:

| FORMATION | TVD-RKB (ft) | Objective | Lithology | |
|---|---|---|---|---|
| Green River | 2,254 | | Shale | |
| Mahogany Oil Shale Bed | 2,890 | | Shale | |
| Wasatch | 5,102 | Primary | Sandstone | Gas |
| Chapita Wells | 5,713 | Primary | Sandstone | Gas |
| Buck Canyon | 6,364 | Primary | Sandstone | Gas |
| North Horn | 6,960 | Primary | Sandstone | Gas |
| KMV Price River | 7,344 | Primary | Sandstone | Gas |
| KMV Price River Middle | 8,050 | Primary | Sandstone | Gas |
| KMV Price River Lower | 8,857 | Primary | Sandstone | Gas |
| Sego | 9,414 | | Sandstone | |
| **TD** | **9,620** | | | |

**Estimated TD:** **9,620' or 200'± below TD** **Anticipated BHP: 5,253 Psig**

1. Fresh Waters may exist in the upper, approximately 1,000 ft ± of the Green River Formation, with top at about 2,000 ft ±.
2. Cement isolation is installed to surface of the well isolating all zones by cement.

## 3. PRESSURE CONTROL EQUIPMENT:

Production Hole – 5000 Psig
BOP schematic diagrams attached.

## 4. CASING PROGRAM:

| CASING | Hole Size | Length | Size | WEIGHT | Grade | Thread | Rating Collapse | Factor Burst | Tensile |
|---|---|---|---|---|---|---|---|---|---|
| Conductor | 17 ½" | 0 – 60' | 13 ⅜" | 48.0# | H-40 | STC | 770 PSI | 1730 PSI | 322,000# |
| Surface | 12 ¼" | 0 – 2,300' KB± | 9-⅝" | 36.0# | J-55 | STC | 2020 PSI | 3520 Psi | 394,000# |
| Production | 7-7/8" | Surface – TD | 4-½" | 11.6# | P-110 | LTC | 7560 PSI | 10,690 Psi | 279,000# |
| | | | | | | | | | |

**Note:** **12-¼" surface hole will be drilled to a total depth of 200'± below the base of the Green River lost circulation zone and cased w/9-⅝" as shown to that depth. Drilled depth may be shallower or deeper than the 2300' shown above depending on the actual depth of the loss zone.**

**All casing will be new or inspected.**

# DRILLING PLAN

## HOSS 117-26
## NW/NW, SEC. 26, T8S, R23E, S.L.B.&M..
## UINTAH COUNTY, UTAH

## 5. Float Equipment:

### Surface Hole Procedure (0'- 2300'±)

Guide Shoe
Insert Float Collar (PDC drillable)
Centralizers: 1-5' above shoe, top of jts. #2 and #3 then every 5th joint to surface. (15 total)

### Production Hole Procedure (2300'± - TD):

Float shoe, 1 joint casing, float collar and balance of casing to surface. 4-½", 11.6#, N-80 or equivalent marker collars or short casing joints to be placed at top of Price River and 400' above top of Wasatch. Centralizers to be placed 5' above shoe on joint #1, top of joint #2, and every 2nd joint to 400' above Wasatch Island top. Thread lock float shoe, top and bottom of float collar, and top of 2nd joint.

## 6. MUD PROGRAM

### Surface Hole Procedure (Surface - 2300'±):

Air/air mist or aerated water.

### Production Hole Procedure (2300'± - TD):

Anticipated mud weight 9.5 – 10.5 ppg depending on actual wellbore conditions encountered while drilling.

**2300'± - TD** A closed mud system will be utilized. A bentonite gelled water mud system will be used to control viscosity w/PHPA polymer used for supplemental viscosity and clay encapsulation/inhibition. Water loss will be maintained at <15cc's using white starch or PAC. Bactericides will be used as needed. Anticipated pH will range from 9.0-10.0. Mud weight will be adjusted as necessary for well control. Deflocculants/thinners will be used as necessary to maintain mud quality. LCM sweeps will be utilized as necessary to control lost circulation and mud loss. CO2 contamination, if encountered, will be treated with lime and gypsum.

# DRILLING PLAN

## HOSS 117-26
## NW/NW, SEC. 26, T8S, R23E, S.L.B.&M..
## UINTAH COUNTY, UTAH

## 7. VARIANCE REQUESTS:

**Reference:** **Onshore Oil and Gas Order No. 1**
**Onshore Oil and Gas Order No. 2 – Section E: Special Drilling Operations**

- EOG Resources, Inc. requests a variance to regulations requiring a straight run blooie line to be 100' in length. (Where possible, a straight run blooie line will be used).
- EOG Resources, Inc. requests a variance to regulations requiring the blooie line to be 100' in length. To reduce location excavation, the blooie line will be approximately 75' in length.
- EOG Resources, Inc. requests a variance to regulations, during air drilling operations only, requiring dedusting equipment. Dust during air drilling operations is controlled by water mist.
- EOG Resources, Inc. requests a variance to regulations, during air drilling operations only, requiring an automatic igniter or continuous pilot light on the blooie line. (Not required on aerated water system).
- EOG Resources, Inc. requests a variance that compressors are located in the opposite direction from the blooie line a minimum of 100 feet from the well bore. (Air Compressors are rig mounted).

## 8. EVALUATION PROGRAM:

**Logs:** Mud log from base of surface casing to TD.
**Cased-hole Logs**: Cased-hole logs will be run in lieu of open-hole logs consisting of the following:
**Cement Bond / Casing Collar Locator and Pulsed Neutron**

# DRILLING PLAN

## HOSS 117-26
## NW/NW, SEC. 26, T8S, R23E, S.L.B.&M..
## UINTAH COUNTY, UTAH

## 9. CEMENT PROGRAM:

### Surface Hole Procedure (Surface - 2300'±):

**Lead:** **185 sks** Class "G" cement with 16% Gel, 10 #/sx Gilsonite, 3% Salt, 2% $CaCl_2$, 3 lb/sx GR3 ¼ #/sx Flocele mixed at 11 ppg, 3.82 $ft^3$/sk. yield, 23 gps water.

**Tail:** **207 sks** Class "G" cement with 2% $CaCl_2$, ¼#/sk Flocele mixed at 15.6 ppg, 1.18 $ft^3$/sk., 5.2 gps water.

**Top Out**: As necessary with Class "G" cement with 2% $CaCl_2$, ¼#/sk Flocele mixed at 15.6 ppg, 1.18 $ft^3$/sk., 5.2 gps water.

**Note**: Cement volumes will be calculated to bring lead cement to surface and tail cement to 500'above the casing shoe.

### Production Hole Procedure (2300'± - TD)

**Lead:** **157 sks:** Hi-Lift "G" w/12% D20 (Bentonite), 1% D79 (Extender), 5% D44 (Salt),0.2% D46 (Antifoam), 0.25% D112 (Fluid Loss Additive), 0.25 pps D29 (cello flakes) mixed at 11.0 ppg, 3.91 $ft^3$/sk., 24.5 gps water.

**Tail:** **882 sks**: 50:50 Poz "G" w/ 2% D20 (Bentonite), 0.1% D46 (Antifoam), 0.075% D13 (Retarder), 0.2% D167 (Fluid Loss Additive), 0.2% D65 (Dispersant), mixed at 14.1 ppg, 1.28 $ft^3$/sk., 5.9gps water.

**Note**: The above number of sacks is based on gauge-hole calculation.
Lead volume to be calculated to bring cement to 200'± above 9-5/8" casing shoe.
Tail volume to be calculated to bring cement to 400'± above top of Wasatch.

**Final Cement volumes will be based upon gauge-hole plus 45% excess.**

# DRILLING PLAN

## HOSS 117-26
## NW/NW, SEC. 26, T8S, R23E, S.L.B.&M..
## UINTAH COUNTY, UTAH

## 10. ABNORMAL CONDITIONS:

### Surface Hole (Surface - 2300'±):

Lost circulation

### Production Hole (2300'± - TD):

Sloughing shales, lost circulation and key seat development are possible in the Wasatch Formation.

## 11. STANDARD REQUIRED EQUIPMENT:

A. Choke Manifold
B. Upper and Lower Kelly Cock
C. Stabbing Valve
D. Visual Mud Monitoring

## 12. HAZARDOUS CHEMICALS:

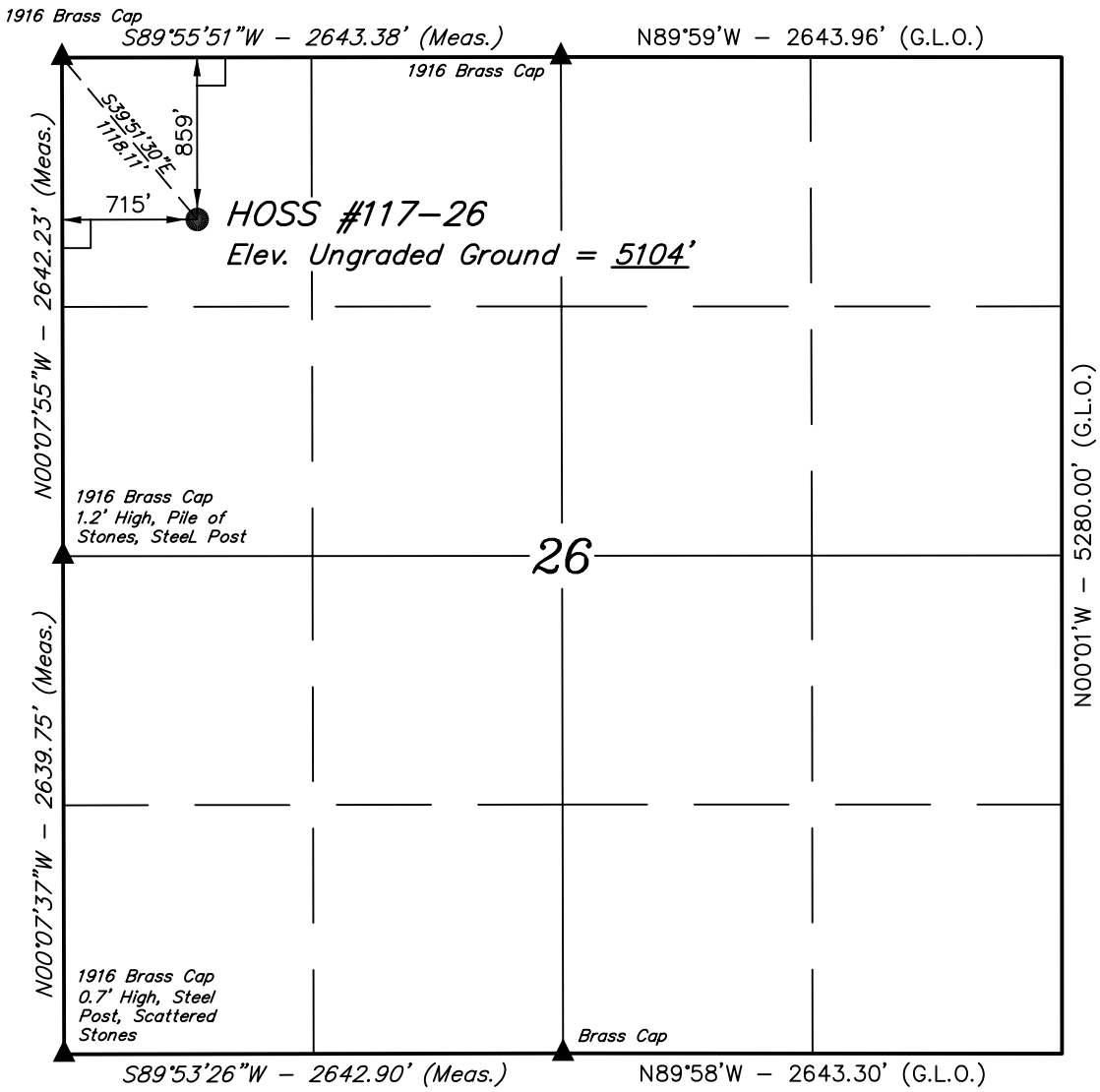
No chemicals subject to reporting under SARA title III in an amount equal to or greater than 10,000 pounds will be used, produced, stored, transported, or disposed of annually in association with the drilling of this well. Furthermore, no extremely hazardous substances, as defined in 40 CFR 355, in threshold planning quantities, will be used, produced, stored, transported, or disposed of in association with the drilling of this well.

## 13. Air Drilling Operations:

1. Main Air Compressors are 1250 CFM 350 psi with 2000 psi Boosters and are rig mounted.
2. Secondary Air Compressors are 1170 CFM 350 psi with 2000 psi Boosters and are rig mounted.
3. Minimum setting depth of conductor casing will be 60' GL or 10'± into competent formation, whichever is deeper, as determined by the EOG person in charge. Exceptions must be approved by an EOG drilling superintendent or manager.
4. The diameter of the diverter flow line will be a minimum of 10" to help reduce back pressure on the well bore during uncontrolled flow.
5. Rat and Mouse hole drilling will occur only after surface casing has been set and cemented.
6. EOG Resources, Inc. will use a properly maintained and lubricated stripper head.

**(Attachment: BOP Schematic Diagram)**

# T8S, R23E, S.L.B.&M.




## EOG RESOURCES, INC.

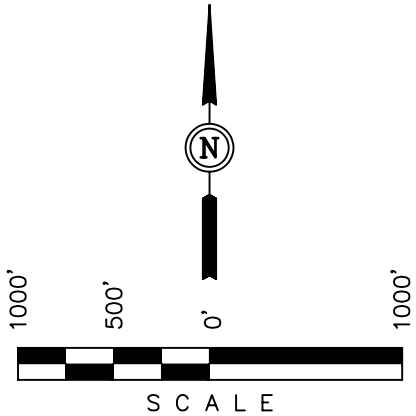
Well location, HOSS #117–26, located as shown in the NW 1/4 NW 1/4 of Section 26, T8S, R23E, S.L.B.&M., Uintah County, Utah.

### BASIS OF ELEVATION

SPOT ELEVATION AT A ROAD INTERSECTION IN THE NW 1/4 OF SECTION 3, T9S, R23E, S.L.B.&M., TAKEN FROM THE RED WASH SE QUADRANGLE, UTAH, UINTAH COUNTY, 7.5 MINUTE SERIES (TOPOGRAPHICAL MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 4992 FEET.

### BASIS OF BEARINGS

BASIS OF BEARINGS IS A G.P.S. OBSERVATION.




### CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

REGISTERED LAND SURVEYOR
REGISTRATION NO. 161319
STATE OF UTAH

REGISTERED LAND SURVEYOR No. 161319 KAY ROBERTS STATE OF UTAH

**UINTAH ENGINEERING & LAND SURVEYING**
*85 SOUTH 200 EAST – VERNAL, UTAH 84078*
(435) 789–1017

| | | | |
|---|---|---|---|
| SCALE 1" = 1000' | | DATE SURVEYED: 09–12–08 | DATE DRAWN: 09–15–08 |
| PARTY J.R. A.G. D.P. | | REFERENCES G.L.O. PLAT | |
| WEATHER COOL & CLOUDY | | FILE EOG RESOURCES, INC. | |

**NAD 83 (SURFACE LOCATION)**
LATITUDE = 40°05'54.83" (40.098564)
LONGITUDE = 109°18'04.46" (109.301239)

**NAD 27 (SURFACE LOCATION)**
LATITUDE = 40°05'54.96" (40.098600)
LONGITUDE = 109°18'02.02" (109.300561)

LEGEND:

= 90° SYMBOL

● = PROPOSED WELL HEAD.

▲ = SECTION CORNERS LOCATED.

'APIWellNo:43047502040000'

# EOG RESOURCES, INC.
# HOSS #117-26
# SECTION 26, T8S, R23E, S.L.B.&M.

PROCEED IN AN EASTERLY, THEN SOUTHERLY DIRECTION FROM VERNAL, UTAH ALONG U.S. HIGHWAY 40 APPROXIMATELY 3.9 MILES TO THE JUNCTION OF STATE HIGHWAY 45 TO THE SOUTH; TURN RIGHT AND PROCEED IN A SOUTHERLY, THEN SOUTHEASTERLY DIRECTION APPROXIMATELY 24.1 MILES ON STATE HIGHWAY 45 TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTHWEST; TURN RIGHT AND PROCEED IN A SOUTHWESTERLY DIRECTION APPROXIMATELY 6.4 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTHEAST; TURN RIGHT AND PROCEED IN A NORTHEASTERLY, THEN NORTHERLY DIRECTION APPROXIMATELY 2.0 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTHEAST; TURN RIGHT AND PROCEED IN A SOUTHEASTERLY DIRECTION APPROXIMATELY 0.2 MILES TO THE PROPOSED ACCESS ROAD FOR THE HOSS #119-26 WELL FOLLOW ROAD FLAGS IN A NORTHEASTERLY DIRECTION APPROXIMATELY 0.6 MILES TO THE BEGINNING OF THE PROPOSED ACCESS TO THE NORTHEAST; FOLLOW ROAD FLAGS IN A NORTHEASTERLY DIRECTION APPROXIMATELY 0.1 MILES TO THE PROPOSED LOCATION

TOTAL DISTANCE FROM VERNAL, UTAH TO THE PROPOSED WELL LOCATION IS APPROXIMATELY 37.3 MILES.

# EOG RESOURCES, INC.

## HOSS #117-26

**LOCATED IN UINTAH COUNTY, UTAH**
**SECTION 26, T8S, R23E, S.L.B.&M.**

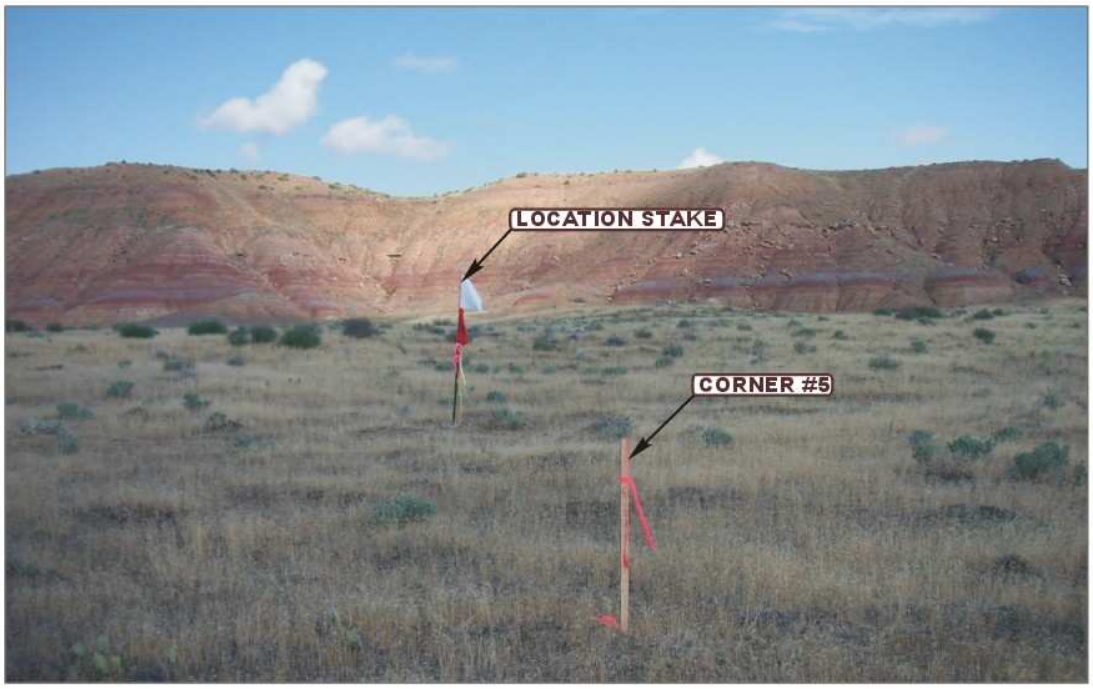


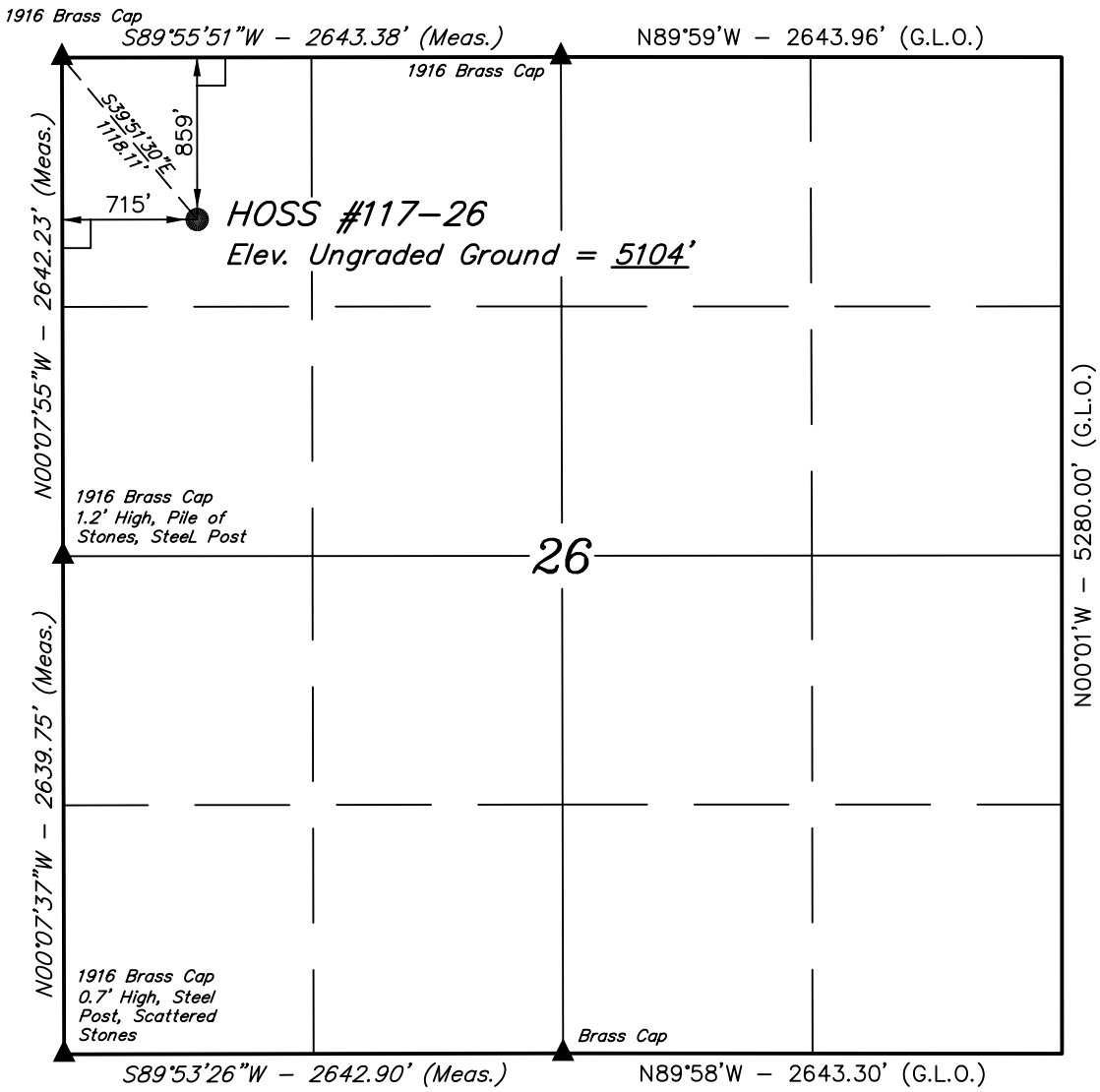

PHOTO: VIEW FROM CORNER #5 TO LOCATION STAKE — CAMERA ANGLE: NORTHWESTERLY

PHOTO: VIEW FROM BEGINNING OF PROPOSED ACCESS — CAMERA ANGLE: NORTHEASTERLY

- Since 1964 -
Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
(435) 789-1017 * FAX (435) 789-1813

| LOCATION PHOTOS | 09 MONTH | 16 DAY | 08 YEAR | PHOTO |
|---|---|---|---|---|
| TAKEN BY: J.R. | DRAWN BY: D.P. | REVISED: 00-00-00 | | |

# T8S, R23E, S.L.B.&M.




## EOG RESOURCES, INC.

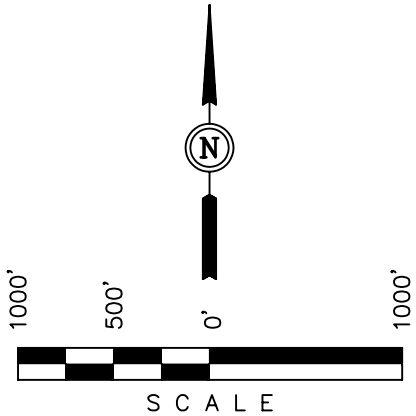
Well location, HOSS #117–26, located as shown in the NW 1/4 NW 1/4 of Section 26, T8S, R23E, S.L.B.&M., Uintah County, Utah.

### BASIS OF ELEVATION

SPOT ELEVATION AT A ROAD INTERSECTION IN THE NW 1/4 OF SECTION 3, T9S, R23E, S.L.B.&M., TAKEN FROM THE RED WASH SE QUADRANGLE, UTAH, UINTAH COUNTY, 7.5 MINUTE SERIES (TOPOGRAPHICAL MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 4992 FEET.

### BASIS OF BEARINGS

BASIS OF BEARINGS IS A G.P.S. OBSERVATION.




### CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

REGISTERED LAND SURVEYOR
REGISTRATION NO. 161319
STATE OF UTAH

REGISTERED LAND SURVEYOR No. 161319 KAY ROBERTS STATE OF UTAH

**UINTAH ENGINEERING & LAND SURVEYING**
*85 SOUTH 200 EAST – VERNAL, UTAH 84078*
(435) 789–1017

| | | | |
|---|---|---|---|
| SCALE 1" = 1000' | | DATE SURVEYED: 09–12–08 | DATE DRAWN: 09–15–08 |
| PARTY J.R. A.G. D.P. | | REFERENCES G.L.O. PLAT | |
| WEATHER COOL & CLOUDY | | FILE EOG RESOURCES, INC. | |

**NAD 83 (SURFACE LOCATION)**
LATITUDE = 40°05'54.83" (40.098564)
LONGITUDE = 109°18'04.46" (109.301239)

**NAD 27 (SURFACE LOCATION)**
LATITUDE = 40°05'54.96" (40.098600)
LONGITUDE = 109°18'02.02" (109.300561)

LEGEND:

= 90° SYMBOL

● = PROPOSED WELL HEAD.

▲ = SECTION CORNERS LOCATED.

'APIWellNo:43047502040000'

’APIWellNo:43047502040000’

# EOG RESOURCES, INC.

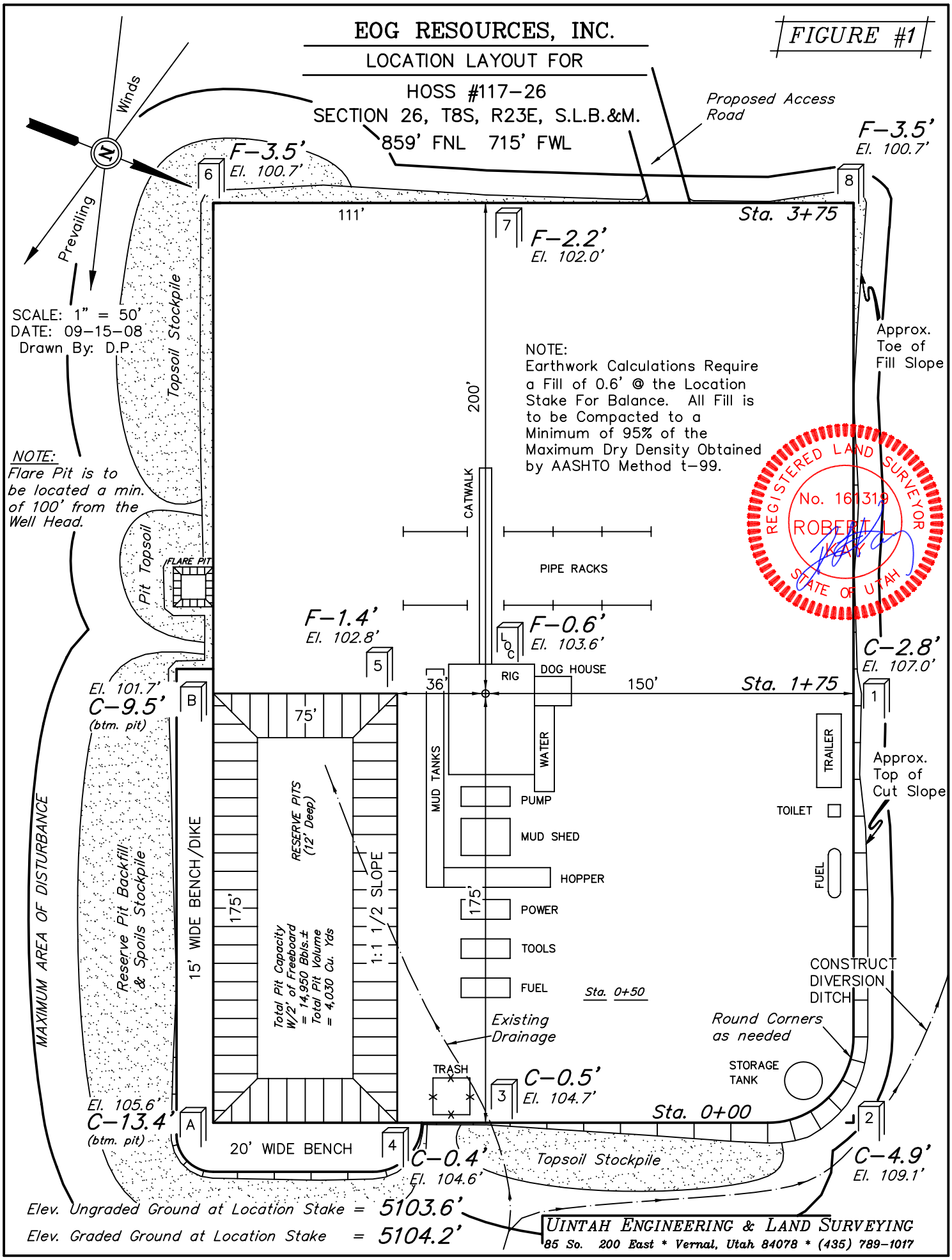
LOCATION LAYOUT FOR

HOSS #117–26

SECTION 26, T8S, R23E, S.L.B.&M.

859’ FNL 715’ FWL

FIGURE #1




Elev. Ungraded Ground at Location Stake = 5103.6’

Elev. Graded Ground at Location Stake = 5104.2’

UINTAH ENGINEERING & LAND SURVEYING

85 So. 200 East * Vernal, Utah 84078 * (435) 789–1017

# EOG RESOURCES, INC.

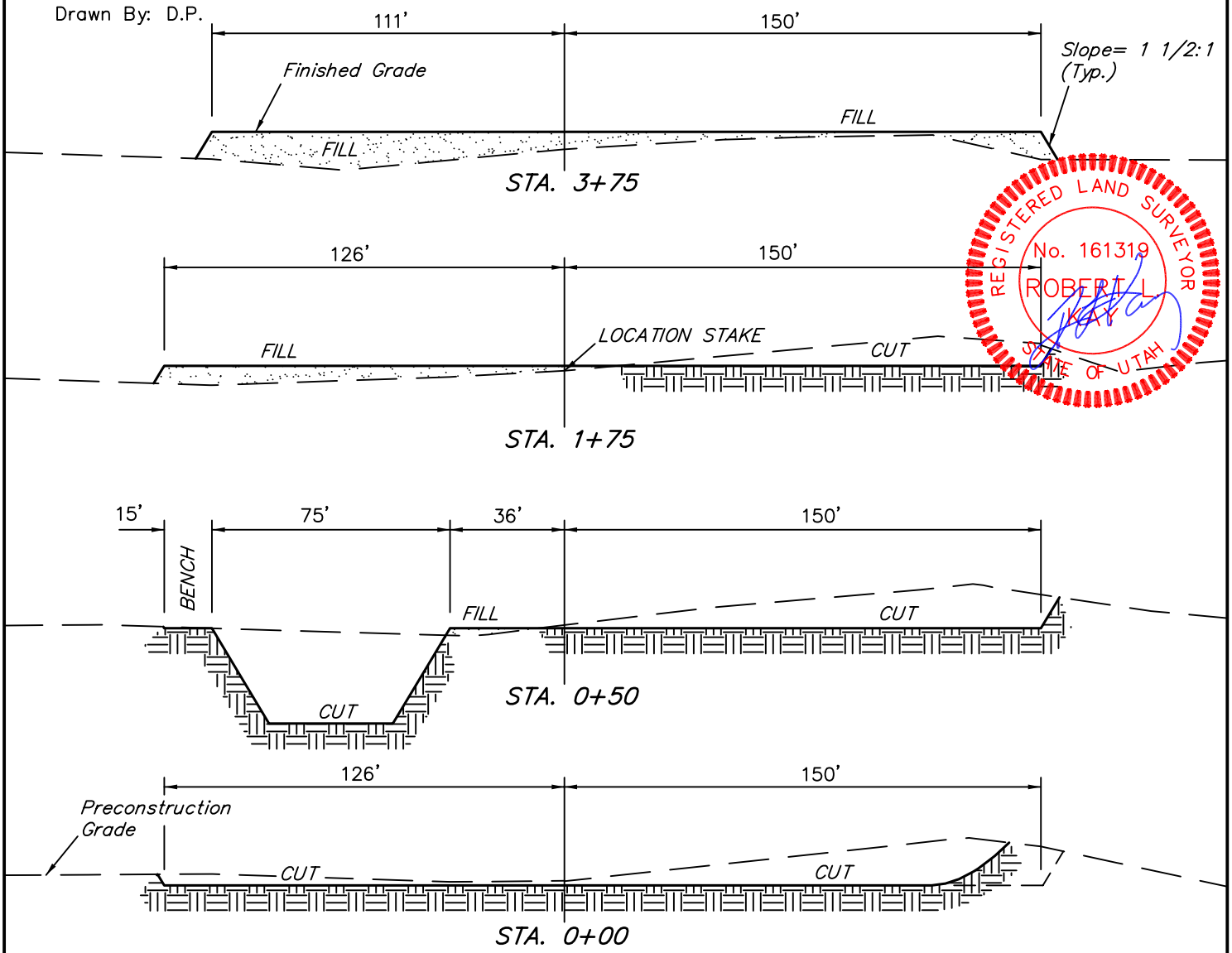
## TYPICAL CROSS SECTIONS FOR

HOSS #117-26
SECTION 26, T8S, R23E, S.L.B.&M.
859' FNL 715' FWL

FIGURE #2

X-Section Scale
1" = 20'
1" = 50'

DATE: 09-15-08
Drawn By: D.P.




REGISTERED LAND SURVEYOR
No. 161319
ROBERT L. KAY
STATE OF UTAH

### APPROXIMATE ACREAGES

| | |
|---|---|
| WELL SITE DISTURBANCE | = ± 2.887 ACRES |
| ACCESS ROAD DISTURBANCE | = ± 0.456 ACRES |
| PIPELINE DISTURBANCE | = ± 0.888 ACRES |
| TOTAL | = ± 4.231 ACRES |

* NOTE:
FILL QUANTITY INCLUDES 5% FOR COMPACTION

### APPROXIMATE YARDAGES

| | | |
|---|---|---|
| (6") Topsoil Stripping | = | 2,030 Cu. Yds. |
| Remaining Location | = | 6,360 Cu. Yds. |
| TOTAL CUT | = | 8,390 CU. YDS. |
| FILL | = | 4,340 CU. YDS. |

| | | |
|---|---|---|
| EXCESS MATERIAL | = | 4,050 Cu. Yds. |
| Topsoil & Pit Backfill (1/2 Pit Vol.) | = | 4,050 Cu. Yds. |
| EXCESS UNBALANCE (After Interim Rehabilitation) | = | 0 Cu. Yds. |

UINTAH ENGINEERING & LAND SURVEYING
85 So. 200 East * Vernal, Utah 84078 * (435) 789-1017

’APIWellNo:43047502040000’

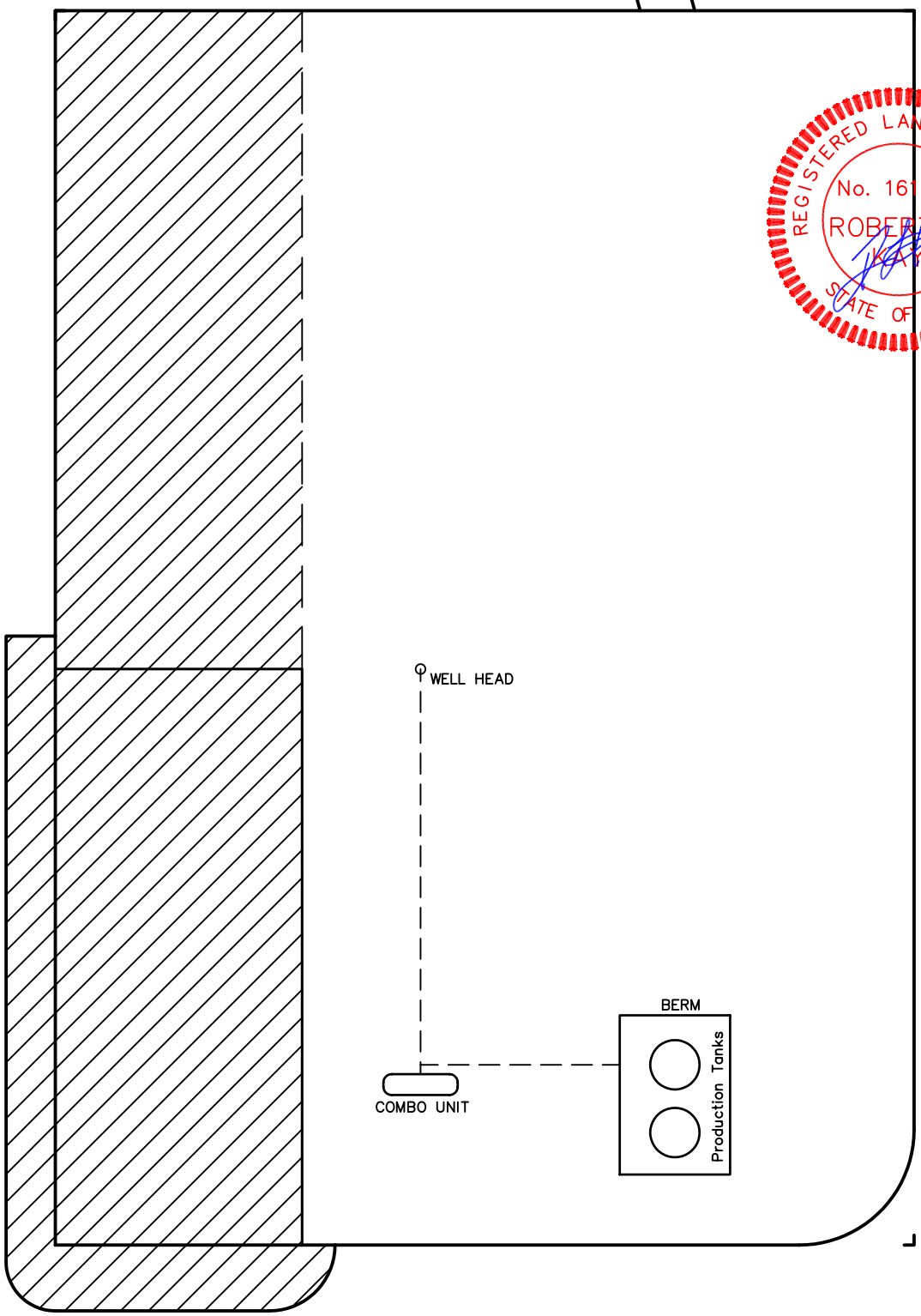
# EOG RESOURCES, INC.

## PRODUCTION FACILITY LAYOUT FOR

HOSS #117–26
SECTION 26, T8S, R23E, S.L.B.&M.
859’ FNL 715’ FWL

FIGURE #3

SCALE: 1” = 50’
DATE: 09–15–08
Drawn By: D.P.

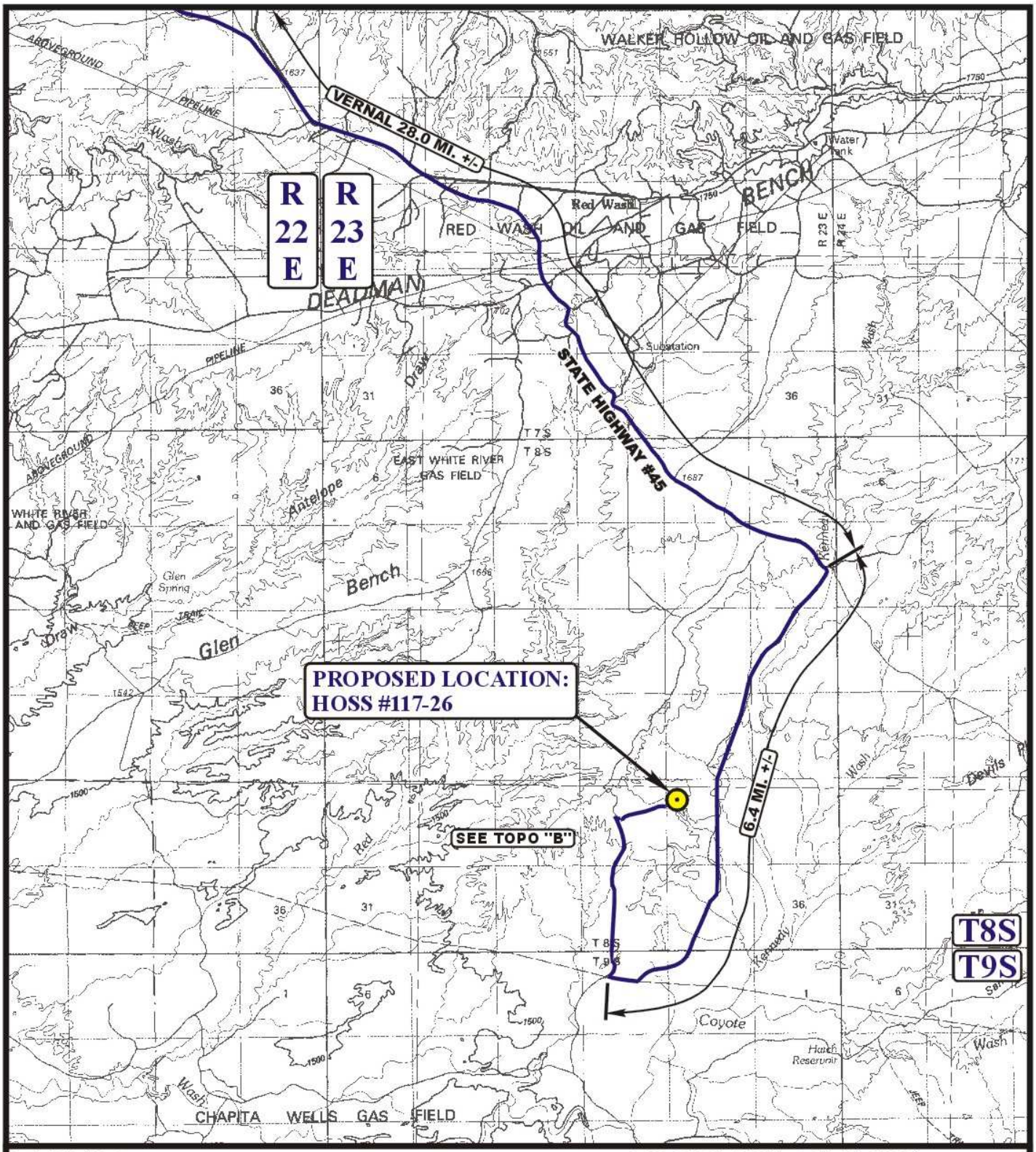



REGISTERED LAND SURVEYOR
No. 161319
ROBERT L. KAY
STATE OF UTAH

RE–HABED AREA

UINTAH ENGINEERING & LAND SURVEYING
85 So. 200 East * Vernal, Utah 84078 * (435) 789–1017

’APIWellNo:43047502040000’




**LEGEND:**

EXISTING LOCATION

N

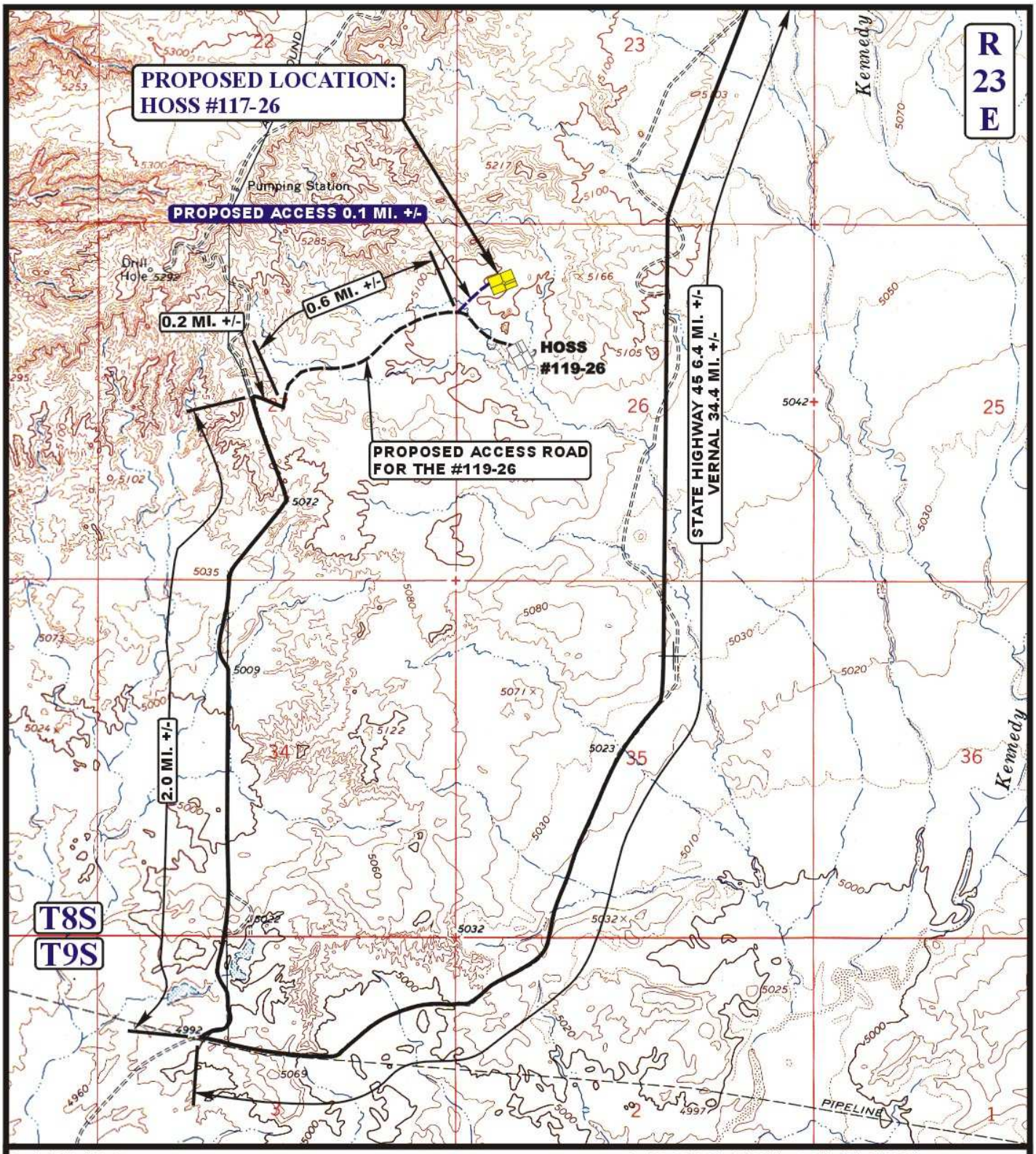
**EOG RESOURCES, INC.**

**HOSS #117-26**
**SECTION 26, T8S, R23E, S.L.B.&M.**
**859' FNL 715' FWL**

Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
(435) 789-1017 * FAX (435) 789-1813

| TOPOGRAPHIC MAP | 09 MONTH | 16 DAY | 08 YEAR | A TOPO |
|---|---|---|---|---|
| SCALE: 1:100,000 | DRAWN BY: D.P. | REVISED: 10-06-08 | | |

’APIWellNo:43047502040000’




**LEGEND:**

EXISTING ROAD

PROPOSED ACCESS ROAD

N

**EOG RESOURCES, INC.**

**HOSS #117-26**

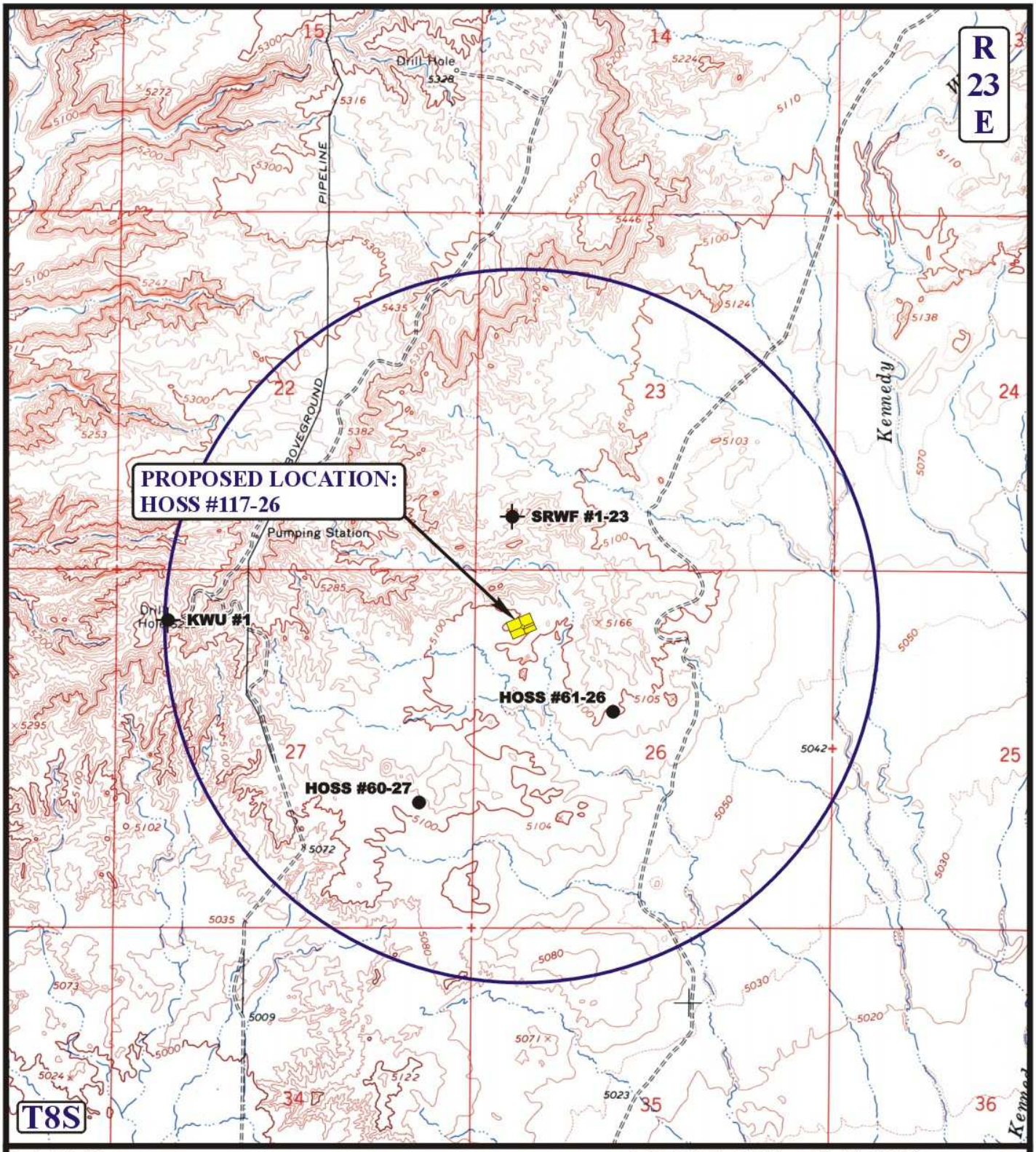
**SECTION 26, T8S, R23E, S.L.B.&M.**

**859' FNL 715' FWL**


Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
(435) 789-1017 * FAX (435) 789-1813


| TOPOGRAPHIC MAP | 09 MONTH | 16 DAY | 08 YEAR | B TOPO |
|---|---|---|---|---|
| SCALE: 1" = 2000' | DRAWN BY: D.P. | REVISED: 10-06-08 | | |

’APIWellNo:43047502040000’




**LEGEND:**

- DISPOSAL WELLS
- PRODUCING WELLS
- SHUT IN WELLS
- WATER WELLS
- ABANDONED WELLS
- TEMPORARILY ABANDONED

N

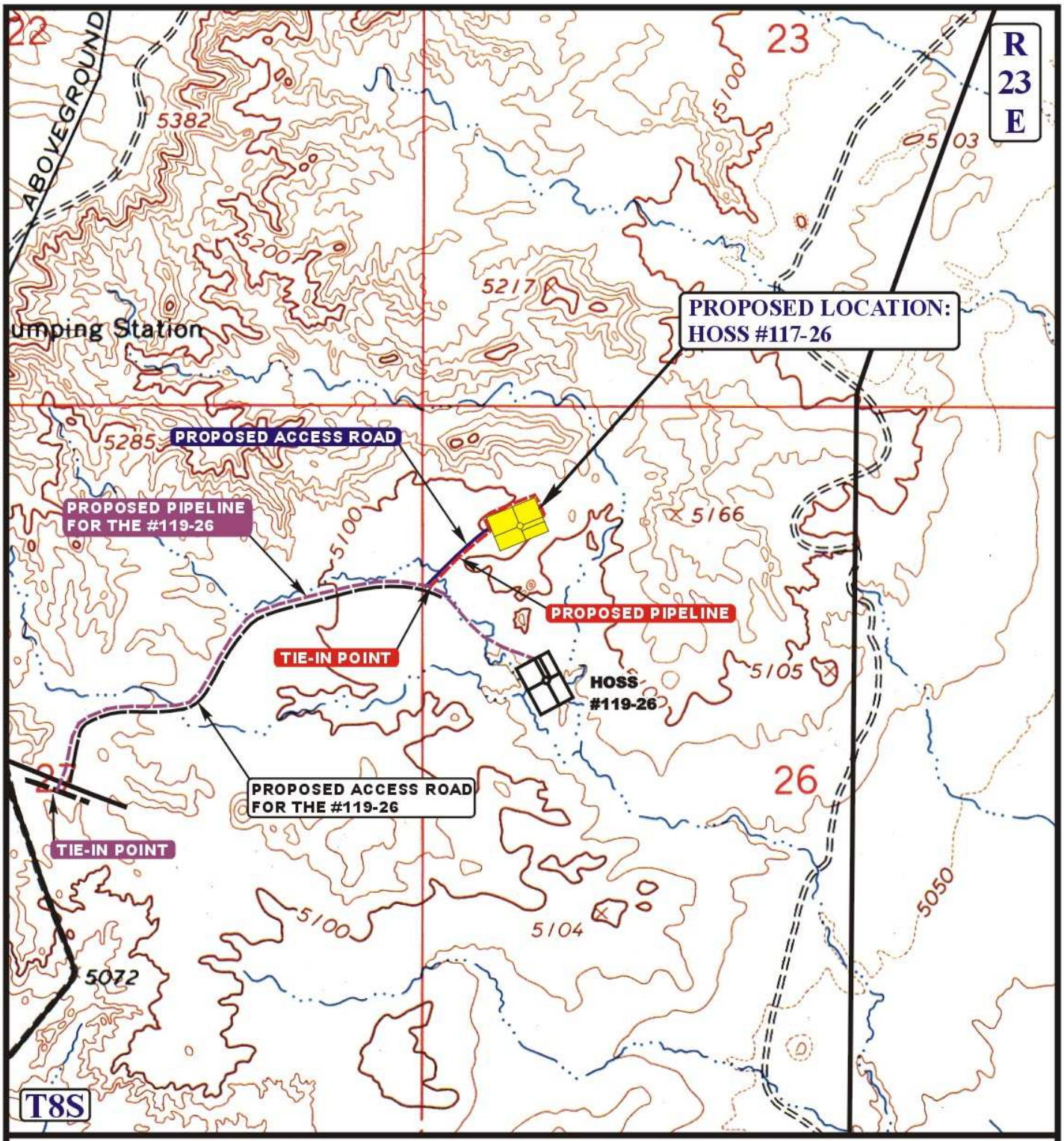
**EOG RESOURCES, INC.**

**HOSS #117-26**
**SECTION 26, T8S, R23E, S.L.B.&M.**
**859' FNL 715' FWL**

Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
(435) 789-1017 * FAX (435) 789-1813

| TOPOGRAPHIC MAP | 09 MONTH | 16 DAY | 08 YEAR | C TOPO |
|---|---|---|---|---|
| SCALE: 1" = 2000' | DRAWN BY: D.P. | REVISED: 00-00-00 | | |

’APIWellNo:43047502040000’




APPROXIMATE TOTAL PIPELINE DISTANCE = 1290' +/-

**LEGEND:**

- PROPOSED ACCESS ROAD
- EXISTING PIPELINE
- PROPOSED PIPELINE
- PROPOSED PIPELINE (SERVICING OTHER WELLS)

N

**EOG RESOURCES, INC.**

**HOSS #117-26**
**SECTION 26, T8S, R23E, S.L.B.&M.**
**859' FNL 715' FWL**


Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
(435) 789-1017 * FAX (435) 789-1813


| TOPOGRAPHIC MAP | 09 MONTH | 16 DAY | 08 YEAR | D TOPO |
|---|---|---|---|---|
| SCALE: 1" = 1000' | DRAWN BY: D.P. | REVISED: 10-06-08 | | |

# *Hoss 117-26*
# *NWNW, Section 26, T8S, R23E*
# *Uintah County, Utah*

## *SURFACE USE PLAN*

**The well pad is approximately 375 feet long with a 261-foot width, containing 2.25 acres more or less. The well access road is approximately 528 feet long with a 30-foot right-of-way, disturbing approximately .36 acre. New surface disturbance associated with the well pad and access road is estimated to be 2.61 acres. The pipeline is approximately 1290 feet long with a 40-foot temporary right-of-way and an 8 foot permanent right-of-way disturbing approximately 1.18 acres.**

### *1. EXISTING ROADS:*

A. See attached Plats showing directional reference stakes on location, and attached TOPO Map “B” showing access to location from existing roads.

B. The proposed well site is located approximately 37.3 miles south of Vernal, Utah – See attached TOPO Map “A”.

C. Refer to attached Topographic Map “A” showing labeled access route to location.

D. Existing roads will be maintained and repaired as necessary.

### *2. PLANNED ACCESS ROAD:*

A. The access road will be approximately 528’ in length, with culverts installed as construction dictates. See attached Topo B.

B. The access road has a 30-foot ROW w/18 foot running surface.

C. Maximum grade of the new access road will be 8 percent.

D. No turnouts will be required.

E. Road drainage crossings shall be of the typical dry creek drainage crossing type.

F. No bridges, or major cuts and fills will be required.

G. The access road will be dirt surface.

H. No gates, cattleguards, or fences will be required or encountered.

I. A 30-foot permanent right-of-way is requested. No surfacing material will be used.

J. No additional storage areas will be needed for storing equipment, stockpiling, or vehicle parking.

All travel will be confined to existing access road rights-of-way.

New or reconstructed roads will be centerlined – flagged at time of location staking. Access roads and surface disturbing activities will conform to standards outlined in the Bureau of Land Management and Forest Service publication: Surface Operating Standards for Oil and Gas Exploration and Development, Fourth Edition and/or BLM Manual Section 9113 concerning road construction standards on projects subject to federal jurisdiction.

The road shall be constructed/upgraded to meet the standards of the anticipated traffic flow and all-weather road requirements. Construction/upgrading shall include ditching, draining, graveling, crowning, and capping the roadbed as necessary to provide a well-constructed, safe road. Prior to upgrading, the road shall be cleared of any snow cover and allowed to dry completely. Traveling off the 30-foot right-of-way will not be allowed. Road drainage crossings shall be of the typical dry creek drainage crossing type. Crossings shall be designed so they will not cause siltation or accumulation of debris in the drainage crossing nor shall the roadbed block the drainages. Erosion of drainage ditches by runoff water shall be prevented by diverting water off at frequent intervals by means of cutouts. Upgrading shall not be allowed during muddy conditions. Should mud holes develop, they shall be filled in and detours around then avoided.

As operator, EOG Resources, Inc. shall be responsible for all maintenance on cattleguards, or gates associated with this oil and/or gas operation.

Traveling off the 30-foot right-of-way will not be allowed. The access road and associated drainage structures will be constructed and maintained in accordance with road guidelines contained in the joint BLM/USFS publication: Surface Operating Standards for Oil and Gas Exploration and Development, Fourth Edition, and/or BLM Manual Section 9113 concerning road construction standards on projects subject to federal jurisdiction. During the drilling and production phase of operations, the road surface and shoulders will be kept in a safe and useable condition and drainage ditches and culverts will be kept clear and free flowing.

An off-lease right-of-way is not required. The entire length of the proposed access road is located within Federal Lease U-76042.

## *3. LOCATION OF EXISTING WELLS WITHIN A ONE-MILE RADIUS:*

See attached TOPO map "C" for the location of wells within a one-mile radius.

## *4. LOCATION OF EXISTING AND/OR PROPOSED PRODUCTION FACILITIES:*

### *A. On Well Pad*

1. Production facilities will be set on location if the well is successfully completed for production. Facilities will consist of wellhead valves, combo separator-dehy unit with meter, two (2) 400-bbl vertical tanks and attaching piping.

2. Gas gathering lines – A 4" gathering line will be buried from dehy to the edge of the location.

### *B. Off Well Pad*

1. Proposed pipeline will transport natural gas.

2. The pipeline will be a permanent feeder line.

3. The length of the proposed pipeline is 1290' x 40'. The proposed pipeline leaves the eastern edge of the well pad (Lease U-76042) proceeding in a southwesterly direction for an approximate distance of 1290' tieing into a proposed pipeline in the NWNW of Section 26, T8S, R23E (Lease U-76042). Pipe will be 4" NOM, 0.156 wall, Grade X42, Zap-Lock, electric weld with a 35 mil X-Tru coating.

4. Proposed pipeline will be a 4" OD steel, zap-lok line laid on the surface

5. Proposed pipeline will be laid on surface.

6. An off-lease right-of-way is not required. The entire length of the proposed pipeline is located within Federal Lease U-76042.

7. The proposed pipeline route begins in the NWNW of Section 26, Township 8S, Range 23E, proceeding southwesterly for an approximate distance of 1290' to the NWNW of Section 26, Township 8S, Range 23E.

8. Pipeline will be coupled using the Zap lock method. No additional off-pad facilities will be required.

All permanent (on site for six months or longer) structures constructed or installed (including pumping units) will be painted a flat, non-reflective, earthtone color to match one of the standard environmental colors, as determined by the Rocky Mountain Five State Interagency Committee. All facilities will be painted within 6 months of installation. **All facilities will be painted with Carlsbad Canyon or Covert Green.** Facilities required to comply with O.S.H.A. (Occupational Safety and Health Act) will be excluded.

## *5. LOCATION AND TYPE OF WATER SUPPLY:*

A. Water supply will be Bonanza Power Plant water source in Sec 26, T8S, R23E, Uintah County, UT (State Water Right # 49-225(A31368)). Water will be hauled by a licensed trucking company.

B. Water will be hauled by a licensed trucking company.

C. No water well will be drilled on lease.

## *6. SOURCE OF CONSTRUCTION MATERIALS:*

A. All construction material for this pipeline will be of native borrow and soil accumulated during the construction of the location.

B. No mineral materials will be required.

## *7. METHODS OF HANDLING WASTE DISPOSAL:*

### *A. METHODS AND LOCATION*

1. Cuttings will be confined in the reserve pit.

2. A portable toilet will be provided for human waste during the drilling and completion of the well. Disposal will be at the Vernal sewage disposal plant.

3. Burning will not be allowed. Trash and other waste material will be contained in a wire mesh cage and disposed of at the Uintah County Landfill.

4. Produced wastewater will be confined to a lined pit or storage tank for a period not to exceed 90 days after initial production. After the 90 day period, the produced water will be contained in a tank on location and then disposed of at one of the following locations: Natural Buttes Unit 21-20B SWD, Ace Disposal, CWU 550-30N SWD, CWU 2-29 SWD, Red Wash Evaporation ponds 1, 2, 3, 4, 5 or 6, Coyote Evaporation Ponds 1, 2, 3, or 4, or EOG Resources, Inc. drilling operations (Chapita Wells Unit, Natural Buttes Unit & Stagecoach Unit).

5. All chemicals will be disposed of at an authorized disposal site. Drip pans and absorbent pads will be used on the drilling rig to avoid leakage of oil to the pit.

B. Water from drilling fluids and recovered during testing operations will be disposed of by either evaporating in the reserve pit, through natural or artificial methods, or removed and disposed of at an authorized disposal site. Introduction of well bore hydrocarbons to the reserve pit will be avoided by flaring them off in the flare pit at the time of recovery.

The reserve pit will be constructed so as not to leak, break, or allow discharge. If the reserve pit requires padding prior to lining (due to rocky conditions) felt padding will be used.

The reserve pit shall be lined with felt, and a 16-millimeter plastic liner. Sufficient bedding (i.e. weed free straw, or hay; felt; polyswell or soil) will be used to cover any rocks. The liner will overlap the pit walls and be covered with dirt and/or rocks to hold it

in place. No trash, scrap pipe, etc., that could puncture the liner will be disposed of in the pit. More stringent protective requirements may be deemed necessary by the A.O.

EOG Resources, Inc. maintains a file, per 29 CFR 1910.1200 (g) containing current Material Safety Data Sheets (MSDS) for all chemicals, compounds, and/or substances which are used during the course of construction, drilling, completion, and production operations for this project. Hazardous materials (substances) which may be found at the site may include drilling mud and cementing products which are primarily inhalation hazards, fuels (flammable and/or combustible), materials that may be necessary for well completion/ stimulation activities such as flammable or combustible substances and acids/gels (corrosives). The opportunity for Superfund Amendments and Reauthorization Act (SARA) listed Extremely Hazardous Substances (EHS) at the site is generally limited to proprietary treating chemicals. All hazardous and EHS and commercial preparations will be handled in an appropriate manner to minimize the potential for leaks or spills to the environment.

No chemicals subject to reporting under SARA Title III (hazardous materials) in an amount greater than 10,000 pounds will be used, produced, stored, transported, or disposed of annually in association with the drilling, testing, or completion of the well. Furthermore, extremely hazardous substances, as defined in 40 CFR 355, in threshold planning quantities, will not be used, produced, stored, transported, or disposed of in association with the drilling, testing or completion of the well.

## *8. ANCILLARY FACILITIES:*

None anticipated.

## *9. WELL SITE LAYOUT:*

A. Refer to attached well site plat for related topography cuts and fills and cross sections.

B. Refer to attached well site plat for rig layout and soil material stockpile location as approved on On-site.

C. Refer to attached well site plat for rig orientation, parking areas, and access road.

The reserve pit will be located on the southeast corner of the location. The flare pit will be located downwind of the prevailing wind direction on the south side of the location, a minimum of 100 feet from the wellhead and 30 feet from the reserve pit fence.

The stockpiled pit topsoil (first six inches) will be stored separate from the location topsoil southwest of corner B. The stockpiled location topsoil will be stored in a location providing easy access for interim reclamation and protection of the topsoil. Upon completion of construction, the stockpiled topsoil from the location will be broadcast seeded with the approved seed mixture from this location and then walked down with a Caterpillar tractor.

Access to the well pad will be from the west.

**Diversion ditch(es) shall be constructed on the north side of the location.**

**The corners of the well pad will be rounded off as needed to minimize excavation.**

***FENCING REQUIREMENTS:***

All pits will be fenced according to the following minimum standards:

A. Thirty-nine inch net wire shall be used with at least one strand of barbed wire on top of the net wire. (Barbed wire is not necessary if pipe or some type of reinforcement rod is attached to the top of the entire fence.)

B. The net wire shall be no more than 2 inches above the ground. The barbed wire strand shall be 3 inches above the net wire. Total height of the fence shall be at least 42 inches.

C. Corner posts shall be cemented and/or braced in such a manner as to keep the fence tight at all times.

D. Standard steel, wood, or pipe posts shall be used between the corner braces. Maximum distances between any two posts shall be no greater than 16 feet.

E. All wire shall be stretched by using a stretching device before it is attached to the corner posts.

The reserve pit fencing will be on the three sides during drilling operations and on the fourth side when the rig moves off location. Pits will be fenced and maintained until clean-up.

Each existing fence to be crossed by the access road shall be braced and tied off before cutting so as to prevent slacking of the wire. The opening shall be closed temporarily as necessary during construction to prevent the escape of livestock, and, upon completion of construction, the fence shall be repaired to BLM or SMA specifications. A cattleguard with an adjacent 16 foot gate shall be installed in any fence where a road is regularly traveled. If the well is a producer, the cattleguards (shall/shall not) be permanently counted on concrete bases. Prior to crossing any fence located on Federal land, or any fence between Federal land and private land, the operator will contact the BLM, who will in turn contact the grazing permittee or owner of said fence and offer him/her the opportunity to be present when the fence is cut in order to satisfy himself/herself that the fence is adequately braced and tied off.

## *10. PLANS FOR RECLAMATION OF THE SURFACE:*

### A. *Interim Reclamation (Producing Location)*

Immediately upon well completion, the location and surrounding area will be cleared of all unused tubing, equipment, debris, materials, trash, and junk not required for production.

Immediately upon well completion, any hydrocarbons on the pit shall be removed in accordance with CFR 3162.7-1.

If a plastic nylon reinforced liner is used, it shall be torn and perforated before backfilling of the reserve pit.

The reserve pit and that portion of the location not needed for production facilities/operations will be recontoured to the approximate natural contours. The reserve pit will be reclaimed within 90 days from the date of the well completion, or as soon as environmental conditions allow. Before any dirt takes place, the reserve pit must be completely dry and free of all foreign obstacles.

The stockpiled pit topsoil will then be spread over the pit area and broadcast seeded with the prescribed seed mixture for this location. The seeded area will then be walked down with a cat.

| Seed Mixture | Drilled Rate (lbs./acre PLS*) |
|---|---|
| HyCrest Wheatgrass | 5.0 |
| Shadscale | 4.0 |
| Prostrate Kochia | 3.0 |

*Pure live seed (PLS) formula: percent of purity of seed mixture times percent germination of seed mixture equals portion of seed mixture that is PLS.

***B. Dry Hole/Abandoned Location***

At such time as the well is plugged and abandoned, the operator will submit a subsequent report of abandonment and the BLM will attach the appropriated surface rehabilitation conditions of approval.

| Seed Mixture | Drilled Rate (lbs./acre PLS*) |
|---|---|
| Gardner Saltbush | 4.0 |
| Shadscale | 4.0 |
| HyCrest Wheatgrass | 4.0 |

*Pure live seed (PLS) formula: percent of purity of seed mixture times percent germination of seed mixture equals portion of seed mixture that is PLS.

## *11. SURFACE OWNERSHIP:*

Surface ownership of the proposed well site, access road, and pipeline route is as follows:

**Bureau of Land Management**

## *12. OTHER INFORMATION:*

A. EOG Resources, Inc. will inform all persons in the area who are associated with this project that they are subject to prosecution for knowingly disturbing historic or archaeological sites, or for collecting artifacts. If historic or archaeological materials are uncovered during construction, the operator will immediately stop work that might further disturb such materials, and contact the Authorized Officer. Within five working days the Authorized Officer will inform the operator as to:

- Whether the materials appear eligible for the National Register of Historic Places;
- The mitigation measures the operator will likely have to undertake before the site can be used.
- A time frame for the Authorized Officer to complete an expedited review under 36 CFR 800.11 to confirm, through the State Historic Preservation Officer, that the findings of the Authorized Officer are correct and that mitigation is appropriate.

If the operator wished, at any time, to relocate activities to avoid the expense of mitigation and/or the delays associated with this process, the Authorized Officer will assume responsibility for whatever recordation and stabilization of the exposed materials that may be required. Otherwise, the operator will be responsible for mitigation costs. The Authorized Officer will provide technical and procedural guidelines for the conduct of mitigation. Upon verification from the Authorized Officer that required mitigation has been completed, the operator will then be allowed to resume construction.

B. As operator, EOG Resources, Inc. will control noxious weeds along Right-of-Ways for roads, pipelines, well sites, or other applicable facilities. A list of noxious weeds will be obtained from the BLM administered land, a Pesticide Use proposal shall be submitted, and given approval, prior to the application or herbicides or other pesticides or possible hazardous chemicals.

C. Drilling rigs and/or equipment used during drilling operations on this well site will not be stacked or stored on BLM lands after the conclusion of drilling operations or at any other time without BLM authorization. However, if BLM authorization is obtained, it is only a temporary measure to allow time to make arrangements for permanent storage on commercial facilities. (The BLM does not seek to compete with private industry. There are commercial facilities available for stacking and storing drilling rigs.)

D. The drilling rig and ancillary equipment will be removed from the location prior to commencement of completion operations. Completion operations will be conducted utilizing a completion/workover rig.

All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws, regulations, Onshore Oil and Gas Orders, the approved Plan of Operations, and any applicable Notice of Lessees. The operator is fully responsible for

the actions of its subcontractors. A complete copy of the approved "Application for Permit to Drill" will be furnished to the field representative(s) to ensure compliance and shall be on location during all construction and drilling operations.

Construction activity will not be conducted using frozen or saturated soils material or during periods when watershed damage is likely to occur.

If the existing access road, proposed access road, and proposed pad are dry during construction, drilling, and completion activities, water will be applied to help facilitate compaction during construction and to minimize soil loss as a result of wind erosion.

A cultural resources survey was conducted and will be submitted by Montgomery Archaeological Consultants. A paleontological survey was conducted and will be submitted by Intermountain Paleo.

**Additional Surface Stipulations:**

None.

### *LESSEE OR OPERATOR'S REPRESENTATIVE AND CERTIFICATION:*

**PERMITTING AGENT**
Mary A. Maestas
EOG Resources, Inc.
1060 East Highway 40
Vernal, UT 84078
(435) 781-9111

All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws, regulations, Onshore Oil and Gas Orders, the approved plan of operations, and any applicable Notice to Lessees. The operator is fully responsible for the actions of his subcontractors. A copy of these conditions will be furnished to the field representative to insure compliance.

The operator or his/her contractor shall contact the BLM office at (435) 781-4400 forty-eight (48) hours prior to construction activities.

**CERTIFICATION:**

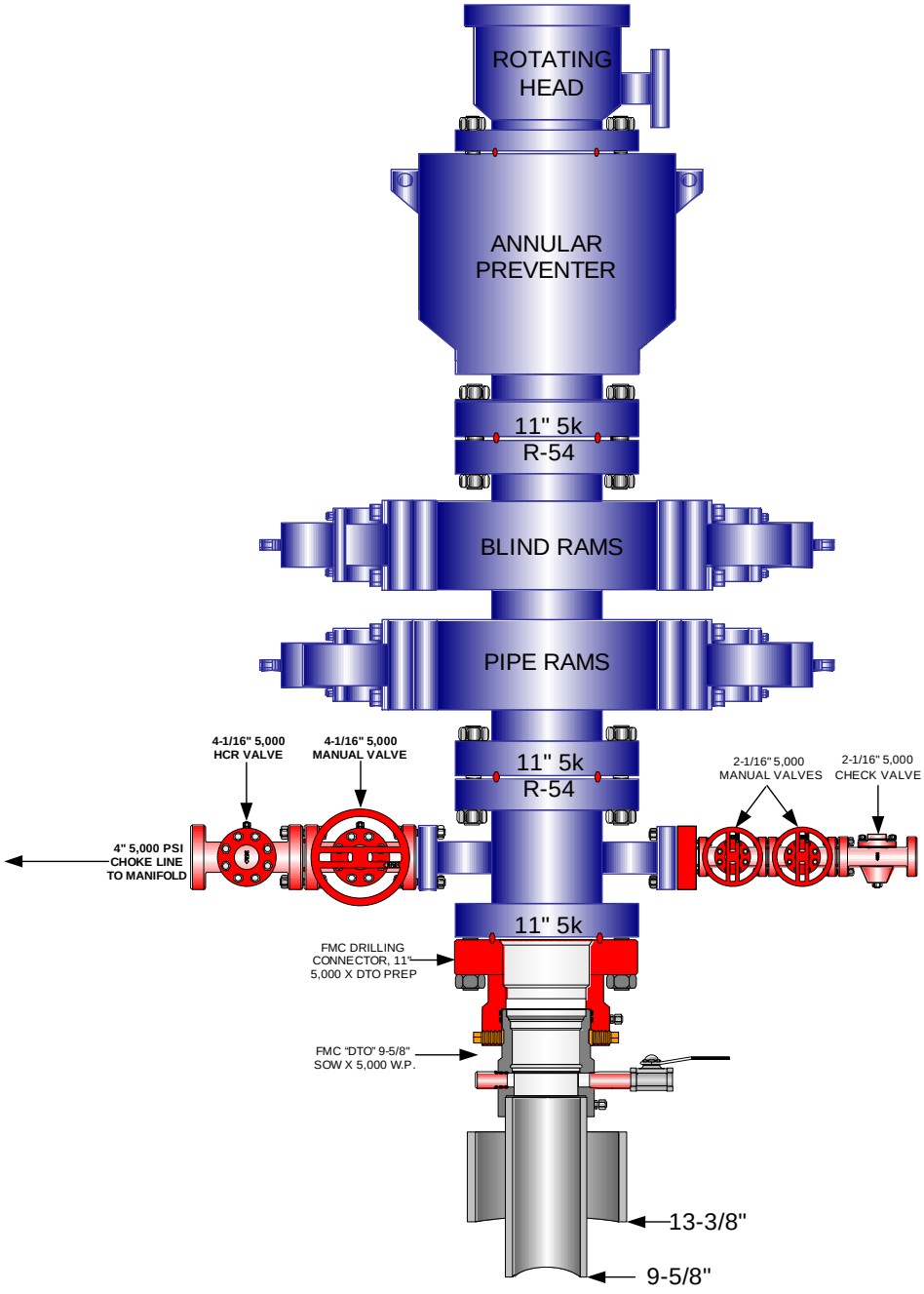
I hereby certify that I, or persons under my direct supervision, have inspected the proposed drill site and access route; that I am familiar with the conditions which currently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and that the work associated with the operations proposed herein will be performed by EOG Resources, Inc. and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of 18 U.S.C. 1001 for the filing of a false statement.

Please be advised that EOG Resources, Inc. is considered to be the operator of the Hoss 117-26 Well, located in the NWNW, of Section 26, T8S, R23E, Uintah County, Utah; Federal land and minerals; and is responsible under the terms and conditions of the lease for the operations conducted upon the leased lands. Bond Coverage is under Bond # NM 2308.

November 4, 2008 _____
Date Mary A. Maestas, Regulatory Assistant

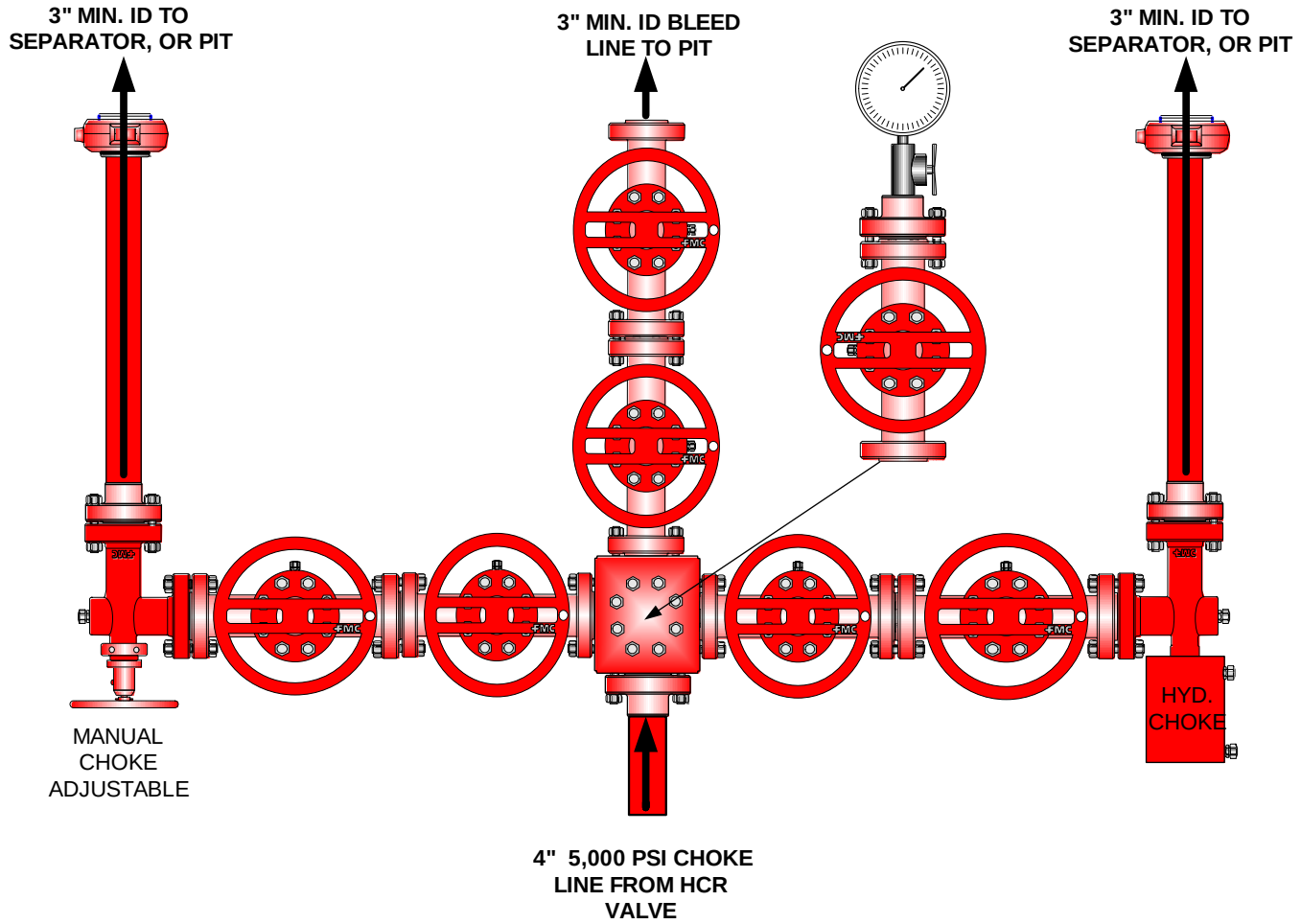
**EOG RESOURCES 11" 5,000 PSI W.P. BOP CONFIGURATION**





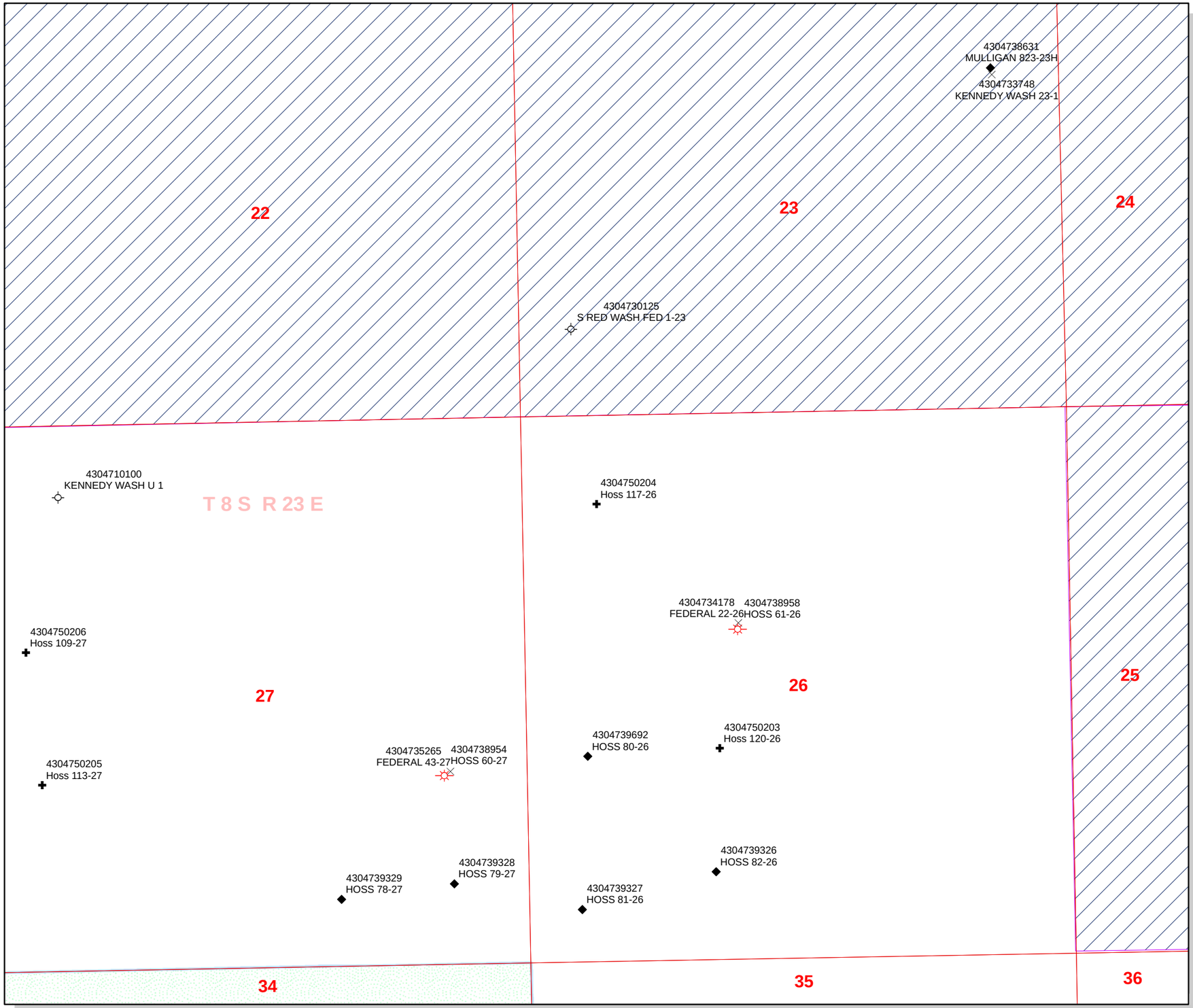
# EOG RESOURCES CHOKE MANIFOLD CONFIGURATION W/ 5,000 PSI WP VALVES






Testing Procedure:

1. BOP will be tested with a professional tester to conform to Onshore Order #2.
2. Blind and Pipe rams will be tested to rated working pressure, 5,000 psi.
3. Annular Preventer will be tested to 50% working pressure, 2,500 psi.
   Casing will be tested to 0.22 psi / ft. or 1,500 psi. Not to exceed 70% of burst strength, whichever is greater.
4. All lines subject to well pressure will be tested to the same pressure as blind and pipe rams.
5. All BOPE specifications and configurations will meet Onshore Order #2 requirements.




# API Number: 4304750204

## Well Name: Hoss 117-26

**Township 08.0 S Range 23.0 E Section 26**

**Meridian: SLBM**

Operator: EOG RESOURCES, INC.

Map Prepared:
Map Produced by Diana Mason

**Units**

**STATUS**
- ACTIVE
- EXPLORATORY
- GAS STORAGE
- NF PP OIL
- NF SECONDARY
- PI OIL
- PP GAS
- PP GEOTHERMAL
- PP OIL
- SECONDARY
- TERMINATED

**Fields**

**STATUS**
- ACTIVE
- COMBINED
- Sections
- Township

**Wells Query Events**
- <all other values>

**GIS_STAT_TYPE**
- <Null>
- APD
- DRL
- GI
- GS
- LA
- NEW
- OPS
- PA
- PGW
- POW
- RET
- SGW
- SOW
- TA
- TW
- WD
- WI
- WS

1,300 650 0 1,300 Feet

1:12,000

'APIWellNo:43047502040000'

# WORKSHEET
# APPLICATION FOR PERMIT TO DRILL

| | | | |
|---|---|---|---|
| **APD RECEIVED:** | 11/4/2008 | **API NO. ASSIGNED:** | 43047502040000 |
| **WELL NAME:** | Hoss 117-26 | | |
| **OPERATOR:** | EOG Resources, Inc. (N9550) | **PHONE NUMBER:** | 303 824-5526 |
| **CONTACT:** | Mary Maestas | | |
| **PROPOSED LOCATION:** | NWNW 26 080S 230E | **Permit Tech Review:** | ☑ |
| **SURFACE:** | 0859 FNL 0715 FWL | **Engineering Review:** | ☐ |
| **BOTTOM:** | 0859 FNL 0715 FWL | **Geology Review:** | ☑ |
| **COUNTY:** | UINTAH | | |
| **LATITUDE:** | 40.09861 | **LONGITUDE:** | -109.30055 |
| **UTM SURF EASTINGS:** | 644863.00 | **NORTHINGS:** | 4439876.00 |
| **FIELD NAME:** | UNDESIGNATED | | |
| **LEASE TYPE:** | 1 - Federal | | |
| **LEASE NUMBER:** | UTU76042 | **PROPOSED FORMATION:** | PRRV |
| **SURFACE OWNER:** | 1 - Federal | **COALBED METHANE:** | NO |

**RECEIVED AND/OR REVIEWED:**

- ☑ **PLAT**
- ☑ **Bond:** FEDERAL - NM2308
- ☐ **Potash**
- ☐ **Oil Shale 190-5**
- ☐ **Oil Shale 190-3**
- ☐ **Oil Shale 190-13**
- ☑ **Water Permit:** 49-225
- ☐ **RDCC Review:**
- ☐ **Fee Surface Agreement**
- ☐ **Intent to Commingle**

**LOCATION AND SITING:**

- ☐ **R649-2-3.**
  - **Unit:**
- ☑ **R649-3-2. General**
- ☐ **R649-3-3. Exception**
- ☐ **Drilling Unit**
  - **Board Cause No:** R649-3-2
  - **Effective Date:**
  - **Siting:**
- ☐ **R649-3-11. Directional Drill**

**Comments:** Presite Completed

**Stipulations:** 4 - Federal Approval - dmason

JON M. HUNTSMAN, JR.
*Governor*

GARY R. HERBERT
*Lieutenant Governor*

# State of Utah

**DEPARTMENT OF NATURAL RESOURCES**

MICHAEL R. STYLER
*Executive Director*

**Division of Oil, Gas and Mining**

JOHN R. BAZA
*Division Director*

# Permit To Drill

**********

**Well Name:** Hoss 117-26
**API Well Number:** 43047502040000
**Lease Number:** UTU76042
**Surface Owner:** FEDERAL
**Approval Date:** 11/25/2008

**Issued to:**
EOG Resources, Inc., 600 17th Street, Suite 1000 N, Denver, CO 80202

**Authority:**
Pursuant to Utah Code Ann. §40-6-1 et seq., and Utah Administrative Code R649-3-1 et seq., the Utah Division of Oil, Gas and Mining issues conditions of approval, and permit to drill the listed well. This permit is issued in accordance with the requirements of R649-3-2.

**Duration:**
This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date

**General:**
Compliance with the requirements of Utah Admin. R. 649-1 et seq., the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

**Conditions of Approval:**
State approval of this well does not supercede the required federal approval, which must be obtained prior to drilling.

**Notification Requirements:**
Notify the Division with 24 hours of spudding the well.
- Contact Carol Daniels at (801) 538-5284.

Notify the Division prior to commencing operations to plug and abandon the well.
- Contact Dustin Doucet at (801) 538-5281 office (801) 733-0983 home

**Reporting Requirements:**
All required reports, forms and submittals will be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.

**Approved By:**

Gil Hunt
Associate Director, Oil & Gas

API Well No: 43047502040000

# STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

FORM 9

5.LEASE DESIGNATION AND SERIAL NUMBER: UTU76042

## SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7.UNIT or CA AGREEMENT NAME:

1. TYPE OF WELL: Gas Well

8. WELL NAME and NUMBER: Hoss 117-26

2. NAME OF OPERATOR: EOG Resources, Inc.

9. API NUMBER: 43047502040000

3. ADDRESS OF OPERATOR: 1060 East Highway 40 , Vernal, UT, 84078

PHONE NUMBER: 435 781-9111 Ext

9. FIELD and POOL or WILDCAT: UNDESIGNATED

4. LOCATION OF WELL
FOOTAGES AT SURFACE:
0859 FNL 0715 FWL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:
Qtr/Qtr: NWNW Section: 26 Township: 08.0S Range: 23.0E Meridian: S

COUNTY: UINTAH

STATE: UTAH

11.
CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

| TYPE OF SUBMISSION | TYPE OF ACTION | | |
|---|---|---|---|
| ✓ NOTICE OF INTENT<br>Approximate date work will start:<br>11/12/2009 | ☐ ACIDIZE | ☐ ALTER CASING | ☐ CASING REPAIR |
| | ☐ CHANGE TO PREVIOUS PLANS | ☐ CHANGE TUBING | ☐ CHANGE WELL NAME |
| | ☐ CHANGE WELL STATUS | ☐ COMMINGLE PRODUCING FORMATIONS | ☐ CONVERT WELL TYPE |
| ☐ SUBSEQUENT REPORT<br>Date of Work Completion: | ☐ DEEPEN | ☐ FRACTURE TREAT | ☐ NEW CONSTRUCTION |
| | ☐ OPERATOR CHANGE | ☐ PLUG AND ABANDON | ☐ PLUG BACK |
| | ☐ PRODUCTION START OR RESUME | ☐ RECLAMATION OF WELL SITE | ☐ RECOMPLETE DIFFERENT FORMATION |
| ☐ SPUD REPORT<br>Date of Spud: | ☐ REPERFORATE CURRENT FORMATION | ☐ SIDETRACK TO REPAIR WELL | ☐ TEMPORARY ABANDON |
| | ☐ TUBING REPAIR | ☐ VENT OR FLARE | ☐ WATER DISPOSAL |
| ☐ DRILLING REPORT<br>Report Date: | ☐ WATER SHUTOFF | ☐ SI TA STATUS EXTENSION | ✓ APD EXTENSION |
| | ☐ WILDCAT WELL DETERMINATION | ☐ OTHER | OTHER: |

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

EOG Resources, Inc. respectfully requests the APD for the referenced well be extended for one year.

**Approved by the Utah Division of Oil, Gas and Mining**

**Date:** November 12, 2009

**By:** [signature]

| NAME (PLEASE PRINT) | PHONE NUMBER | TITLE |
|---|---|---|
| Mickenzie Gates | 435 781-9145 | Operations Clerk |
| **SIGNATURE** | | **DATE** |
| N/A | | 11/12/2009 |

RECEIVED November 12, 2009

**The Utah Division of Oil, Gas, and Mining**

**- State of Utah**
**- Department of Natural Resources**

**Electronic Permitting System - Sundry Notices**

## Request for Permit Extension Validation Well Number 43047502040000

**API:** 43047502040000
**Well Name:** Hoss 117-26
**Location:** 0859 FNL 0715 FWL QTR NWNW SEC 26 TWNP 080S RNG 230E MER S
**Company Permit Issued to:** EOG RESOURCES, INC.
**Date Original Permit Issued:** 11/25/2008

**The undersigned as owner with legal rights to drill on the property as permitted above, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision. Following is a checklist of some items related to the application, which should be verified.**

- **If located on private land, has the ownership changed, if so, has the surface agreement been updated?** ○ **Yes** ◉ **No**
- **Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location?** ○ **Yes** ◉ **No**
- **Has there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well?** ○ **Yes** ◉ **No**
- **Have there been any changes to the access route including ownership, or rightof- way, which could affect the proposed location?** ○ **Yes** ◉ **No**
- **Has the approved source of water for drilling changed?** ○ **Yes** ◉ **No**
- **Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation?** ○ **Yes** ◉ **No**
- **Is bonding still in place, which covers this proposed well?** ◉ **Yes** ○ **No**

**Approved by the Utah Division of Oil, Gas and Mining**

**Signature:** Mickenzie Gates **Date:** 11/12/2009
**Title:** Operations Clerk **Representing:** EOG RESOURCES, INC.

**Date:** November 12, 2009
**By:**

**RECEIVED** November 12, 2009

*Federal Approval of this Action is Necessary*

API Well No: 43047502040000

FORM 9

# STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

**5.LEASE DESIGNATION AND SERIAL NUMBER:** UTU76042

## SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

**6. IF INDIAN, ALLOTTEE OR TRIBE NAME:**

**7.UNIT or CA AGREEMENT NAME:**

**1. TYPE OF WELL**
Gas Well

**8. WELL NAME and NUMBER:**
HOSS 117-26

**2. NAME OF OPERATOR:**
EOG Resources, Inc.

**9. API NUMBER:**
43047502040000

**3. ADDRESS OF OPERATOR:**
1060 East Highway 40 , Vernal, UT, 84078

**PHONE NUMBER:**
435 781-9111 Ext

**9. FIELD and POOL or WILDCAT:**
NATURAL BUTTES

**4. LOCATION OF WELL**
**FOOTAGES AT SURFACE:**
0859 FNL 0715 FWL
**QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:**
Qtr/Qtr: NWNW Section: 26 Township: 08.0S Range: 23.0E Meridian: S

**COUNTY:**
UINTAH

**STATE:**
UTAH

**11.**
CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

| TYPE OF SUBMISSION | TYPE OF ACTION | | |
|---|---|---|---|
| ✓ NOTICE OF INTENT<br>Approximate date work will start:<br>11/9/2010 | ☐ ACIDIZE | ☐ ALTER CASING | ☐ CASING REPAIR |
| | ☐ CHANGE TO PREVIOUS PLANS | ☐ CHANGE TUBING | ☐ CHANGE WELL NAME |
| | ☐ CHANGE WELL STATUS | ☐ COMMINGLE PRODUCING FORMATIONS | ☐ CONVERT WELL TYPE |
| ☐ SUBSEQUENT REPORT<br>Date of Work Completion: | ☐ DEEPEN | ☐ FRACTURE TREAT | ☐ NEW CONSTRUCTION |
| | ☐ OPERATOR CHANGE | ☐ PLUG AND ABANDON | ☐ PLUG BACK |
| | ☐ PRODUCTION START OR RESUME | ☐ RECLAMATION OF WELL SITE | ☐ RECOMPLETE DIFFERENT FORMATION |
| ☐ SPUD REPORT<br>Date of Spud: | ☐ REPERFORATE CURRENT FORMATION | ☐ SIDETRACK TO REPAIR WELL | ☐ TEMPORARY ABANDON |
| | ☐ TUBING REPAIR | ☐ VENT OR FLARE | ☐ WATER DISPOSAL |
| ☐ DRILLING REPORT<br>Report Date: | ☐ WATER SHUTOFF | ☐ SI TA STATUS EXTENSION | ✓ APD EXTENSION |
| | ☐ WILDCAT WELL DETERMINATION | ☐ OTHER | OTHER: |

**12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.**

EOG Resources, Inc. respectfully requests the APD for the referenced well be extended for one year.

**Approved by the Utah Division of Oil, Gas and Mining**

**Date:** 11/18/2010

**By:**

| NAME (PLEASE PRINT) | PHONE NUMBER | TITLE |
|---|---|---|
| Michelle Robles | 307 276-4842 | Regulatory Assistant |

| SIGNATURE | DATE |
|---|---|
| N/A | 11/9/2010 |

**RECEIVED** November 09, 2010

**The Utah Division of Oil, Gas, and Mining**

**- State of Utah**
**- Department of Natural Resources**

**Electronic Permitting System - Sundry Notices**

## Request for Permit Extension Validation Well Number 43047502040000

**API:** 43047502040000
**Well Name:** HOSS 117-26
**Location:** 0859 FNL 0715 FWL QTR NWNW SEC 26 TWNP 080S RNG 230E MER S
**Company Permit Issued to:** EOG RESOURCES, INC.
**Date Original Permit Issued:** 11/25/2008

**The undersigned as owner with legal rights to drill on the property as permitted above, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision. Following is a checklist of some items related to the application, which should be verified.**

- **If located on private land, has the ownership changed, if so, has the surface agreement been updated?** ○ **Yes** ◉ **No**
- **Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location?** ○ **Yes** ◉ **No**
- **Has there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well?** ○ **Yes** ◉ **No**
- **Have there been any changes to the access route including ownership, or rightof- way, which could affect the proposed location?** ○ **Yes** ◉ **No**
- **Has the approved source of water for drilling changed?** ○ **Yes** ◉ **No**
- **Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation?** ○ **Yes** ◉ **No**
- **Is bonding still in place, which covers this proposed well?** ◉ **Yes** ○ **No**

**Approved by the Utah Division of Oil, Gas and Mining**

**Date:** 11/18/2010

**By:**

**Signature:** Michelle Robles **Date:** 11/9/2010
**Title:** Regulatory Assistant **Representing:** EOG RESOURCES, INC.

**RECEIVED** November 09, 2010

**STATE OF UTAH**
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

**FORM 9**

**5.LEASE DESIGNATION AND SERIAL NUMBER:** UTU76042

## SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

**6. IF INDIAN, ALLOTTEE OR TRIBE NAME:**

**7.UNIT or CA AGREEMENT NAME:**

**1. TYPE OF WELL**
Gas Well

**8. WELL NAME and NUMBER:**
HOSS 117-26

**2. NAME OF OPERATOR:**
EOG Resources, Inc.

**9. API NUMBER:**
43047502040000

**3. ADDRESS OF OPERATOR:**
1060 East Highway 40 , Vernal, UT, 84078

**PHONE NUMBER:**
435 781-9111 Ext

**9. FIELD and POOL or WILDCAT:**
NATURAL BUTTES

**4. LOCATION OF WELL**
**FOOTAGES AT SURFACE:**
0859 FNL 0715 FWL
**QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:**
Qtr/Qtr: NWNW Section: 26 Township: 08.0S Range: 23.0E Meridian: S

**COUNTY:**
UINTAH

**STATE:**
UTAH

**11.**
CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

| TYPE OF SUBMISSION | TYPE OF ACTION | | |
|---|---|---|---|
| ✓ NOTICE OF INTENT<br>Approximate date work will start:<br>11/7/2011 | ☐ ACIDIZE | ☐ ALTER CASING | ☐ CASING REPAIR |
| | ☐ CHANGE TO PREVIOUS PLANS | ☐ CHANGE TUBING | ☐ CHANGE WELL NAME |
| | ☐ CHANGE WELL STATUS | ☐ COMMINGLE PRODUCING FORMATIONS | ☐ CONVERT WELL TYPE |
| ☐ SUBSEQUENT REPORT<br>Date of Work Completion: | ☐ DEEPEN | ☐ FRACTURE TREAT | ☐ NEW CONSTRUCTION |
| | ☐ OPERATOR CHANGE | ☐ PLUG AND ABANDON | ☐ PLUG BACK |
| | ☐ PRODUCTION START OR RESUME | ☐ RECLAMATION OF WELL SITE | ☐ RECOMPLETE DIFFERENT FORMATION |
| ☐ SPUD REPORT<br>Date of Spud: | ☐ REPERFORATE CURRENT FORMATION | ☐ SIDETRACK TO REPAIR WELL | ☐ TEMPORARY ABANDON |
| | ☐ TUBING REPAIR | ☐ VENT OR FLARE | ☐ WATER DISPOSAL |
| ☐ DRILLING REPORT<br>Report Date: | ☐ WATER SHUTOFF | ☐ SI TA STATUS EXTENSION | ✓ APD EXTENSION |
| | ☐ WILDCAT WELL DETERMINATION | ☐ OTHER | OTHER: |

**12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.**

EOG Resources, Inc. respectfully requests the APD for the referenced well be extended for one year.

**Approved by the Utah Division of Oil, Gas and Mining**

**Date:** 11/08/2011

**By:**

| NAME (PLEASE PRINT) | PHONE NUMBER | TITLE |
|---|---|---|
| Nanette Lupcho | 435 781-9157 | Regulatory Assistant |

| SIGNATURE | DATE |
|---|---|
| N/A | 11/7/2011 |

**RECEIVED** Nov. 07, 2011

## The Utah Division of Oil, Gas, and Mining

**- State of Utah**
**- Department of Natural Resources**

**Electronic Permitting System - Sundry Notices**

# Request for Permit Extension Validation Well Number 43047502040000

**API:** 43047502040000
**Well Name:** HOSS 117-26
**Location:** 0859 FNL 0715 FWL QTR NWNW SEC 26 TWNP 080S RNG 230E MER S
**Company Permit Issued to:** EOG RESOURCES, INC.
**Date Original Permit Issued:** 11/25/2008

**The undersigned as owner with legal rights to drill on the property as permitted above, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision. Following is a checklist of some items related to the application, which should be verified.**

- **If located on private land, has the ownership changed, if so, has the surface agreement been updated?** ○ **Yes** ◉ **No**
- **Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location?** ○ **Yes** ◉ **No**
- **Has there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well?** ○ **Yes** ◉ **No**
- **Have there been any changes to the access route including ownership, or rightof- way, which could affect the proposed location?** ○ **Yes** ◉ **No**
- **Has the approved source of water for drilling changed?** ○ **Yes** ◉ **No**
- **Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation?** ○ **Yes** ◉ **No**
- **Is bonding still in place, which covers this proposed well?** ◉ **Yes** ○ **No**

**Signature:** Nanette Lupcho **Date:** 11/7/2011
**Title:** Regulatory Assistant **Representing:** EOG RESOURCES, INC.

RECEIVED Nov. 07, 2011

**STATE OF UTAH**
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

**FORM 9**

**5.LEASE DESIGNATION AND SERIAL NUMBER:** UTU76042

## SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

**6. IF INDIAN, ALLOTTEE OR TRIBE NAME:**

**7.UNIT or CA AGREEMENT NAME:**

**1. TYPE OF WELL**
Gas Well

**8. WELL NAME and NUMBER:**
HOSS 117-26

**2. NAME OF OPERATOR:**
EOG Resources, Inc.

**9. API NUMBER:**
43047502040000

**3. ADDRESS OF OPERATOR:**
1060 East Highway 40 , Vernal, UT, 84078

**PHONE NUMBER:**
435 781-9111 Ext

**9. FIELD and POOL or WILDCAT:**
NATURAL BUTTES

**4. LOCATION OF WELL**
**FOOTAGES AT SURFACE:**
0859 FNL 0715 FWL
**QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:**
Qtr/Qtr: NWNW Section: 26 Township: 08.0S Range: 23.0E Meridian: S

**COUNTY:**
UINTAH

**STATE:**
UTAH

**11.**
CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

| TYPE OF SUBMISSION | TYPE OF ACTION | | |
|---|---|---|---|
| ✓ NOTICE OF INTENT<br>Approximate date work will start:<br>11/7/2011 | ☐ ACIDIZE | ☐ ALTER CASING | ☐ CASING REPAIR |
| | ☐ CHANGE TO PREVIOUS PLANS | ☐ CHANGE TUBING | ☐ CHANGE WELL NAME |
| | ☐ CHANGE WELL STATUS | ☐ COMMINGLE PRODUCING FORMATIONS | ☐ CONVERT WELL TYPE |
| ☐ SUBSEQUENT REPORT<br>Date of Work Completion: | ☐ DEEPEN | ☐ FRACTURE TREAT | ☐ NEW CONSTRUCTION |
| | ☐ OPERATOR CHANGE | ☐ PLUG AND ABANDON | ☐ PLUG BACK |
| | ☐ PRODUCTION START OR RESUME | ☐ RECLAMATION OF WELL SITE | ☐ RECOMPLETE DIFFERENT FORMATION |
| ☐ SPUD REPORT<br>Date of Spud: | ☐ REPERFORATE CURRENT FORMATION | ☐ SIDETRACK TO REPAIR WELL | ☐ TEMPORARY ABANDON |
| | ☐ TUBING REPAIR | ☐ VENT OR FLARE | ☐ WATER DISPOSAL |
| ☐ DRILLING REPORT<br>Report Date: | ☐ WATER SHUTOFF | ☐ SI TA STATUS EXTENSION | ✓ APD EXTENSION |
| | ☐ WILDCAT WELL DETERMINATION | ☐ OTHER | OTHER: |

**12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.**

EOG Resources, Inc. respectfully requests the APD for the referenced well be extended for one year.

**Approved by the Utah Division of Oil, Gas and Mining**

**Date:** 11/08/2011

**By:**

| NAME (PLEASE PRINT) | PHONE NUMBER | TITLE |
|---|---|---|
| Nanette Lupcho | 435 781-9157 | Regulatory Assistant |

| SIGNATURE | DATE |
|---|---|
| N/A | 11/7/2011 |

**RECEIVED** Nov. 07, 2011

## The Utah Division of Oil, Gas, and Mining

**- State of Utah**
**- Department of Natural Resources**

**Electronic Permitting System - Sundry Notices**

# Request for Permit Extension Validation Well Number 43047502040000

**API:** 43047502040000
**Well Name:** HOSS 117-26
**Location:** 0859 FNL 0715 FWL QTR NWNW SEC 26 TWNP 080S RNG 230E MER S
**Company Permit Issued to:** EOG RESOURCES, INC.
**Date Original Permit Issued:** 11/25/2008

**The undersigned as owner with legal rights to drill on the property as permitted above, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision. Following is a checklist of some items related to the application, which should be verified.**

- **If located on private land, has the ownership changed, if so, has the surface agreement been updated?** ○ **Yes** ◉ **No**
- **Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location?** ○ **Yes** ◉ **No**
- **Has there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well?** ○ **Yes** ◉ **No**
- **Have there been any changes to the access route including ownership, or rightof- way, which could affect the proposed location?** ○ **Yes** ◉ **No**
- **Has the approved source of water for drilling changed?** ○ **Yes** ◉ **No**
- **Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation?** ○ **Yes** ◉ **No**
- **Is bonding still in place, which covers this proposed well?** ◉ **Yes** ○ **No**

**Signature:** Nanette Lupcho **Date:** 11/7/2011
**Title:** Regulatory Assistant **Representing:** EOG RESOURCES, INC.

RECEIVED Nov. 07, 2011

FORM 9

# STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

**5.LEASE DESIGNATION AND SERIAL NUMBER:** UTU76042

## SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

**6. IF INDIAN, ALLOTTEE OR TRIBE NAME:**

**7.UNIT or CA AGREEMENT NAME:**

**1. TYPE OF WELL**
Gas Well

**8. WELL NAME and NUMBER:**
HOSS 117-26

**2. NAME OF OPERATOR:**
EOG Resources, Inc.

**9. API NUMBER:**
43047502040000

**3. ADDRESS OF OPERATOR:**
600 17th Street, Suite 1000 N , Denver, CO, 80202

**PHONE NUMBER:**
435 781-9111 Ext

**9. FIELD and POOL or WILDCAT:**
NATURAL BUTTES

**4. LOCATION OF WELL**
**FOOTAGES AT SURFACE:**
0859 FNL 0715 FWL
**QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:**
Qtr/Qtr: NWNW Section: 26 Township: 08.0S Range: 23.0E Meridian: S

**COUNTY:**
UINTAH

**STATE:**
UTAH

**11.**
CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

| TYPE OF SUBMISSION | TYPE OF ACTION | | |
|---|---|---|---|
| ✓ NOTICE OF INTENT<br>Approximate date work will start:<br>11/20/2012 | ☐ ACIDIZE | ☐ ALTER CASING | ☐ CASING REPAIR |
| | ☐ CHANGE TO PREVIOUS PLANS | ☐ CHANGE TUBING | ☐ CHANGE WELL NAME |
| | ☐ CHANGE WELL STATUS | ☐ COMMINGLE PRODUCING FORMATIONS | ☐ CONVERT WELL TYPE |
| ☐ SUBSEQUENT REPORT<br>Date of Work Completion: | ☐ DEEPEN | ☐ FRACTURE TREAT | ☐ NEW CONSTRUCTION |
| | ☐ OPERATOR CHANGE | ☐ PLUG AND ABANDON | ☐ PLUG BACK |
| | ☐ PRODUCTION START OR RESUME | ☐ RECLAMATION OF WELL SITE | ☐ RECOMPLETE DIFFERENT FORMATION |
| ☐ SPUD REPORT<br>Date of Spud: | ☐ REPERFORATE CURRENT FORMATION | ☐ SIDETRACK TO REPAIR WELL | ☐ TEMPORARY ABANDON |
| | ☐ TUBING REPAIR | ☐ VENT OR FLARE | ☐ WATER DISPOSAL |
| ☐ DRILLING REPORT<br>Report Date: | ☐ WATER SHUTOFF | ☐ SI TA STATUS EXTENSION | ✓ APD EXTENSION |
| | ☐ WILDCAT WELL DETERMINATION | ☐ OTHER | OTHER: |

**12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.**

EOG Resources, Inc. respectfully requests the APD for the referenced well be extended for one year.

**Approved by the Utah Division of Oil, Gas and Mining**

**Date:** November 21, 2012

**By:**

| NAME (PLEASE PRINT) | PHONE NUMBER | TITLE |
|---|---|---|
| Kaylene Gardner | 435 781-9111 | Regulatory Administrator |

| SIGNATURE | DATE |
|---|---|
| N/A | 11/20/2012 |

RECEIVED: Nov. 20, 2012

## The Utah Division of Oil, Gas, and Mining

**- State of Utah**
**- Department of Natural Resources**

**Electronic Permitting System - Sundry Notices**

## Request for Permit Extension Validation Well Number 43047502040000

**API:** 43047502040000
**Well Name:** HOSS 117-26
**Location:** 0859 FNL 0715 FWL QTR NWNW SEC 26 TWNP 080S RNG 230E MER S
**Company Permit Issued to:** EOG RESOURCES, INC.
**Date Original Permit Issued:** 11/25/2008

**The undersigned as owner with legal rights to drill on the property as permitted above, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision. Following is a checklist of some items related to the application, which should be verified.**

- **If located on private land, has the ownership changed, if so, has the surface agreement been updated?** ○ **Yes** ◉ **No**
- **Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location?** ○ **Yes** ◉ **No**
- **Has there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well?** ○ **Yes** ◉ **No**
- **Have there been any changes to the access route including ownership, or rightof- way, which could affect the proposed location?** ○ **Yes** ◉ **No**
- **Has the approved source of water for drilling changed?** ○ **Yes** ◉ **No**
- **Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation?** ○ **Yes** ◉ **No**
- **Is bonding still in place, which covers this proposed well?** ◉ **Yes** ○ **No**

**Signature:** Kaylene Gardner **Date:** 11/20/2012
**Title:** Regulatory Administrator **Representing:** EOG RESOURCES, INC.

RECEIVED: Nov. 20, 2012

FORM 9

**STATE OF UTAH**
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-76042

# SUNDRY NOTICES AND REPORTS ON WELLS

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT or CA AGREEMENT NAME:

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL: OIL WELL ☐ GAS WELL ☑ OTHER

8. WELL NAME and NUMBER: Hoss 117-26

2. NAME OF OPERATOR: EOG Resources, Inc.

9. API NUMBER: 43-047-50204

3. ADDRESS OF OPERATOR: 600 17th St., Suite 1000N CITY Denver STATE CO ZIP 80202 PHONE NUMBER: (303) 824-5526

10. FIELD AND POOL, OR WILDCAT: Natural Buttes/Wasatch/Mesaverde

4. LOCATION OF WELL

FOOTAGES AT SURFACE: 859' FNL & 715' FWL 40.098564 LAT 109.301239 LON

COUNTY: Uintah

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NWNW 26 8S 23E S

STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

| TYPE OF SUBMISSION | TYPE OF ACTION | | |
|---|---|---|---|
| ☑ NOTICE OF INTENT (Submit in Duplicate) | ☐ ACIDIZE | ☐ DEEPEN | ☐ REPERFORATE CURRENT FORMATION |
| Approximate date work will start: | ☐ ALTER CASING | ☐ FRACTURE TREAT | ☐ SIDETRACK TO REPAIR WELL |
| | ☐ CASING REPAIR | ☐ NEW CONSTRUCTION | ☐ TEMPORARILY ABANDON |
| | ☐ CHANGE TO PREVIOUS PLANS | ☐ OPERATOR CHANGE | ☐ TUBING REPAIR |
| | ☐ CHANGE TUBING | ☐ PLUG AND ABANDON | ☐ VENT OR FLARE |
| ☐ SUBSEQUENT REPORT (Submit Original Form Only) | ☐ CHANGE WELL NAME | ☐ PLUG BACK | ☐ WATER DISPOSAL |
| | ☐ CHANGE WELL STATUS | ☐ PRODUCTION (START/RESUME) | ☐ WATER SHUT-OFF |
| Date of work completion: | ☑ COMMINGLE PRODUCING FORMATIONS | ☐ RECLAMATION OF WELL SITE | ☐ OTHER: |
| | ☐ CONVERT WELL TYPE | ☐ RECOMPLETE - DIFFERENT FORMATION | |

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

EOG Resources, Inc. requests authorization for commingling of production from the Wasatch and Mesaverde formations in the referenced wellbore. In the event allocation of production is necessary, the allocation will be based on proportionate net pay as calculated from cased-hole logs. Production from the Wasatch and Mesaverde formations will be commingled in the wellbore and produced through open-ended 2-3/8" tubing landed below all perforations in the 4-1/2" production casing.

Attached is a map showing the location of all wells on contiguous oil and gas leases or drilling units and an affidavit and letters showing that this application has been provided to owners of all contiguous oil and gas leases or drilling units overlying the pool.

COPY SENT TO OPERATOR
Date: 1·27·2009
Initials: KS

NAME (PLEASE PRINT) Mary A. Maestas TITLE Regulatory Assistant

SIGNATURE Mary A. Maestas DATE 1/7/2009

(This space for State use only)

APPROVED BY THE STATE OF UTAH DIVISION OF OIL, GAS, AND MINING
DATE: 1/22/09
BY: [signature]

Federal Approval Of This Action Is Necessary

RECEIVED
JAN 12 2009
DIV. OF OIL, GAS & MINING

(5/2000) (See Instructions on Reverse Side)

**eog resources**

**EOG Resources, Inc.**
600 Seventeenth Street
Suite 1000N
Denver, CO 80202
Main: 303-572-9000
Fax: 303-824-5400

**Via FedEx**
**Tracking Number: 7961 2019 7885**

November 17, 2008

Bureau of Land Management
Vernal Field Office
170 South 500 East
Vernal, Utah 84078

**RE: Commingling Applications**

**Hoss 117-26 & Hoss 120-26**
**Section 26, T8S, R23E**
**Uintah County, Utah**
**Lease: U-76042**

**Hoss 109-27 & Hoss 113-27**
**Section 27, T8S, R23E**
**Uintah County, Utah**
**Lease: U-64422**

**Hoss 101-28 & Hoss 102-28**
**Section 28, T8S, R23E**
**Uintah County, Utah**
**Lease: U-64422**

**East Chapita 92-23**
**Section 23, T9S, R23E**
**Uintah County, Utah**
**Lease: U-67868**

To Whom It May Concern:

Attached please find maps and affidavits (three copies per well) requesting commingling of the referenced wells in the Wasatch and Mesaverde formations. Also included are three copies per well of revised drilling plans to include the language detailing how the production will be allocated, if necessary. Please replace the drilling plans submitted with the APDs with the enclosed.

If you have any questions or need any other information, please call me at 303-824-5526.

Sincerely,

Mary A. Maestas

Mary A. Maestas
Regulatory Assistant

eog resources

**EOG Resources, Inc.**
*600 Seventeenth Street*
*Suite 1000N*
*Denver, CO 80202*
*Main: 303-572-9000*
*Fax: 303-824-5400*

**CERTIFIED MAIL**
**ARTICLE NO: 7008 1140 0004 5018 8735**

November 17, 2008

Kerr-McGee Oil & Gas Onshore LP
1099 18th Street, Suite 1200
Denver, Colorado 80202
Attn: Mr. W. Chris Latimer

**RE: Commingling Applications**

**East Chapita 92-23**
**Section 23, T9S, R23E**
**Uintah County, Utah**
**Lease: U-67868**

**Hoss 117-26**
**Section 26, T8S, R23E**
**Uintah County, Utah**
**Lease: U-76042**

Mr. Latimer:

EOG Resources, Inc. has filed applications with the Bureau of Land Management and the State of Utah Department of Oil, Gas, and Mining requesting commingling approval in the Wasatch and Mesaverde formations for the referenced wellbores. In the event allocation of production is necessary, the allocation will be based on proportionate net pay as calculated from cased-hole logs. Production from the Wasatch and Mesaverde formations will be commingled in the wellbores and produced through open-ended 2-3/8" tubing landed below all perforations in the 4-1/2" production casing.

Attached are maps showing the location of all wells on contiguous oil and gas leases or drilling units and affidavits showing that these applications have been provided to owners of all contiguous oil and gas leases or drilling units overlying the pool.

Sincerely,

Mary A. Maestas

Mary A. Maestas
Regulatory Assistant

STATE OF COLORADO )

) ss

COUNTY OF DENVER )

## VERIFICATION

Mary A. Maestas, of lawful age, being first duly sworn upon oath, deposes and says:
She is a Regulatory Assistant of EOG Resources, Inc., of Denver, Colorado. EOG Resources, Inc. is the operator of the following described well:

**HOSS 117-26**
**859' FNL – 715' FWL (NWNW)**
**SECTION 26, T8S, R23E**
**UINTAH COUNTY, UTAH**

EOG Resources, Inc., and Kerr-McGee Oil & Gas Onshore LP, Exhibit A, are the only owners in the well and/or of all contiguous oil and gas leases or drilling units overlying the pool.

On the 17th day of November, 2008 she placed in the United States mail, with postage prepaid, a copy of the attached Application for Commingling in one wellbore for the subject well.

Said envelope, which contained these instruments, was addressed to the Utah Division of Oil, Gas & Mining, Bureau of Land Management, and Kerr-McGee Oil & Gas Onshore LP.

Further affiant saith not.

Mary A. Maestas
Mary A. Maestas
Regulatory Assistant

Subscribed and sworn before me this 17th day of November, 2008.

Erin S. Hawkins
Notary Public

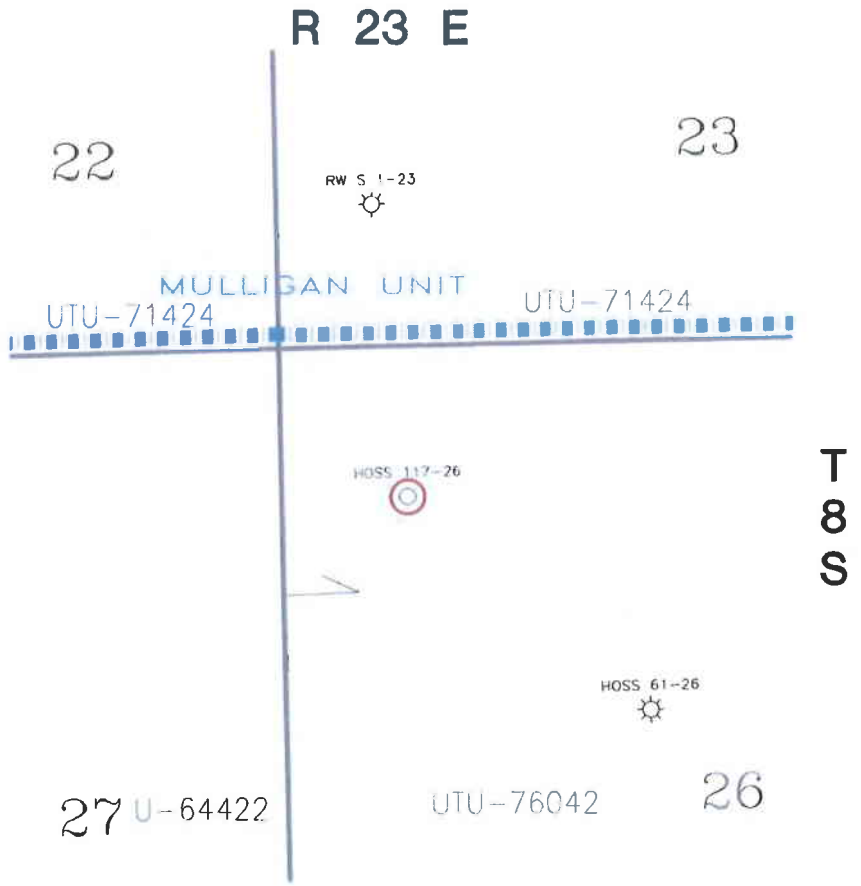
My Commission Expires:

ERIN S. HAWKINS
NOTARY PUBLIC
STATE OF COLORADO
My Commission Expires 08/31/2011

RECEIVED
NOV 18 2008
DIV. OF OIL, GAS & MINING

Exhibit "A" to Affidavit
Hoss 117-26 Application to Commingle

Kerr-McGee Oil & Gas Onshore LP
1099 18th Street, Suite 1200
Denver, Colorado 80202
Attn: Mr. W. Chris Latimer




HOSS 117-26

Scale: 1"=1000'

0 1/4 1/2 Mile

N

eog resources

Denver Division

EXHIBIT "A"

HOSS 117-26

Commingling Application

Uintah County, Utah

| Scale: 1"=1000' | D:\utah\Commingled\ Hoss117-26_commingled.dwg Layout1 | Author GT | Nov 11, 2008 - 8:57am |
|---|---|---|---|

# DRILLING PLAN

## HOSS 117-26
## NW/NW, SEC. 26, T8S, R23E, S.L.B.&M..
## UINTAH COUNTY, UTAH

## 1. & 2. ESTIMATED TOPS & ANTICIPATED OIL, GAS, & WATER ZONES:

| FORMATION | TVD-RKB (ft) | Objective | Lithology | |
|---|---|---|---|---|
| Green River | 2,254 | | Shale | |
| Mahogany Oil Shale Bed | 2,890 | | Shale | |
| Wasatch | 5,102 | Primary | Sandstone | Gas |
| Chapita Wells | 5,713 | Primary | Sandstone | Gas |
| Buck Canyon | 6,364 | Primary | Sandstone | Gas |
| North Horn | 6,960 | Primary | Sandstone | Gas |
| KMV Price River | 7,344 | Primary | Sandstone | Gas |
| KMV Price River Middle | 8,050 | Primary | Sandstone | Gas |
| KMV Price River Lower | 8,857 | Primary | Sandstone | Gas |
| Sego | 9,414 | | Sandstone | |
| **TD** | **9,620** | | | |

**Estimated TD: 9,620' or 200'± below TD** **Anticipated BHP: 5,253 Psig**

1. Fresh Waters may exist in the upper, approximately 1,000 ft ± of the Green River Formation, with top at about 2,000 ft ±.
2. Cement isolation is installed to surface of the well isolating all zones by cement.

EOG Resources, Inc. requests authorization for commingling of production from the Wasatch and Mesaverde formations in the referenced wellbore. In the event allocation of production is necessary, the allocation will be based on proportionate net pay as calculated from cased-hole logs. Production from the Wasatch and Mesaverde formations will be commingled in the wellbore and produced through open-ended 2-3/8" tubing landed below all perforations in the 4-1/2" production casing.

Attached is a map showing the location of all wells on contiguous oil and gas leases or drilling units and an affidavit showing that this application has been provided to owners of all contiguous oil and gas leases or drilling units overlying the pool.

## 3. PRESSURE CONTROL EQUIPMENT:

Production Hole – 5000 Psig
BOP schematic diagrams attached.

## 4. CASING PROGRAM:

| CASING | Hole Size | Length | Size | WEIGHT | Grade | Thread | Rating Collapse | Factor Burst | Tensile |
|---|---|---|---|---|---|---|---|---|---|
| Conductor | 17 ½" | 0 – 60' | 13 ⅜" | 48.0# | H-40 | STC | 770 PSI | 1730 PSI | 322,000# |
| Surface | 12 ¼" | 0 – 2,300' KB± | 9-⅝" | 36.0# | J-55 | STC | 2020 PSI | 3520 Psi | 394,000# |
| Production | 7-7/8" | Surface – TD | 4-½" | 11.6# | P-110 | LTC | 7560 PSI | 10,690 Psi | 279,000# |
| | | | | | | | | | |

# DRILLING PLAN

## HOSS 117-26
## NW/NW, SEC. 26, T8S, R23E, S.L.B.&M..
## UINTAH COUNTY, UTAH

**Note: 12-¼" surface hole will be drilled to a total depth of 200'± below the base of the Green River lost circulation zone and cased w/9-⅝" as shown to that depth. Drilled depth may be shallower or deeper than the 2300' shown above depending on the actual depth of the loss zone.**

**All casing will be new or inspected.**

## 5. Float Equipment:

### Surface Hole Procedure (0'- 2300'±)

Guide Shoe
Insert Float Collar (PDC drillable)
Centralizers: 1-5' above shoe, top of jts. #2 and #3 then every 5th joint to surface. (15 total)

### Production Hole Procedure (2300'± - TD):

Float shoe, 1 joint casing, float collar and balance of casing to surface. 4-½", 11.6#, N-80 or equivalent marker collars or short casing joints to be placed at top of Price River and 400' above top of Wasatch. Centralizers to be placed 5' above shoe on joint #1, top of joint #2, and every 2nd joint to 400' above Wasatch Island top. Thread lock float shoe, top and bottom of float collar, and top of 2nd joint.

## 6. MUD PROGRAM

### Surface Hole Procedure (Surface - 2300'±):

Air/air mist or aerated water.

### Production Hole Procedure (2300'± - TD):

Anticipated mud weight 9.5 – 10.5 ppg depending on actual wellbore conditions encountered while drilling.

**2300'± - TD** A closed mud system will be utilized. A bentonite gelled water mud system will be used to control viscosity w/PHPA polymer used for supplemental viscosity and clay encapsulation/inhibition. Water loss will be maintained at <15cc's using white starch or PAC. Bactericides will be used as needed. Anticipated pH will range from 9.0-10.0. Mud weight will be adjusted as necessary for well control. Deflocculants/thinners will be used as necessary to maintain mud quality. LCM sweeps will be utilized as necessary to control lost circulation and mud loss. CO2 contamination, if encountered, will be treated with lime and gypsum.

# DRILLING PLAN

## HOSS 117-26
## NW/NW, SEC. 26, T8S, R23E, S.L.B.&M..
## UINTAH COUNTY, UTAH

## 7. VARIANCE REQUESTS:

**Reference:** **Onshore Oil and Gas Order No. 1**
**Onshore Oil and Gas Order No. 2 – Section E: Special Drilling Operations**

- EOG Resources, Inc. requests a variance to regulations requiring a straight run blooie line to be 100' in length. (Where possible, a straight run blooie line will be used).
- EOG Resources, Inc. requests a variance to regulations requiring the blooie line to be 100' in length. To reduce location excavation, the blooie line will be approximately 75' in length.
- EOG Resources, Inc. requests a variance to regulations, during air drilling operations only, requiring dedusting equipment. Dust during air drilling operations is controlled by water mist.
- EOG Resources, Inc. requests a variance to regulations, during air drilling operations only, requiring an automatic igniter or continuous pilot light on the blooie line. (Not required on aerated water system).
- EOG Resources, Inc. requests a variance that compressors are located in the opposite direction from the blooie line a minimum of 100 feet from the well bore. (Air Compressors are rig mounted).

## 8. EVALUATION PROGRAM:

**Logs:** Mud log from base of surface casing to TD.
**Cased-hole Logs:** Cased-hole logs will be run in lieu of open-hole logs consisting of the following:
**Cement Bond / Casing Collar Locator and Pulsed Neutron**

## 9. CEMENT PROGRAM:

### Surface Hole Procedure (Surface - 2300'±):

| | | |
|---|---|---|
| **Lead:** | **185 sks** | Class "G" cement with 16% Gel, 10 #/sx Gilsonite, 3% Salt, 2% $CaCl_2$, 3 lb/sx GR3 ¼ #/sx Flocele mixed at 11 ppg, 3.82 $ft^3$/sk. yield, 23 gps water. |
| **Tail:** | **207 sks** | Class "G" cement with 2% $CaCl_2$, ¼#/sk Flocele mixed at 15.6 ppg, 1.18 $ft^3$/sk., 5.2 gps water. |
| **Top Out:** | | As necessary with Class "G" cement with 2% $CaCl_2$, ¼#/sk Flocele mixed at 15.6 ppg, 1.18 $ft^3$/sk., 5.2 gps water. |
| **Note:** | | Cement volumes will be calculated to bring lead cement to surface and tail cement to 500'above the casing shoe. |

### Production Hole Procedure (2300'± - TD)

| | | |
|---|---|---|
| **Lead:** | **157 sks:** | Hi-Lift "G" w/12% D20 (Bentonite), 1% D79 (Extender), 5% D44 (Salt),0.2% D46 (Antifoam), 0.25% D112 (Fluid Loss Additive), 0.25 pps D29 (cello flakes) mixed at 11.0 ppg, 3.91 $ft^3$/sk., 24.5 gps water. |
| **Tail:** | **882 sks:** | 50:50 Poz "G" w/ 2% D20 (Bentonite), 0.1% D46 (Antifoam), 0.075% D13 (Retarder), 0.2% D167 (Fluid Loss Additive), 0.2% D65 (Dispersant), mixed at 14.1 ppg, 1.28 $ft^3$/sk., 5.9gps water. |

**Note:** The above number of sacks is based on gauge-hole calculation.
Lead volume to be calculated to bring cement to 200'± above 9-5/8" casing shoe.
Tail volume to be calculated to bring cement to 400'± above top of Wasatch.

**Final Cement volumes will be based upon gauge-hole plus 45% excess.**

# DRILLING PLAN

## HOSS 117-26
## NW/NW, SEC. 26, T8S, R23E, S.L.B.&M..
## UINTAH COUNTY, UTAH

## 10. ABNORMAL CONDITIONS:

### Surface Hole (Surface - 2300'±):

Lost circulation

### Production Hole (2300'± - TD):

Sloughing shales, lost circulation and key seat development are possible in the Wasatch Formation.

## 11. STANDARD REQUIRED EQUIPMENT:

A. Choke Manifold
B. Upper and Lower Kelly Cock
C. Stabbing Valve
D. Visual Mud Monitoring

## 12. HAZARDOUS CHEMICALS:

No chemicals subject to reporting under SARA title III in an amount equal to or greater than 10,000 pounds will be used, produced, stored, transported, or disposed of annually in association with the drilling of this well. Furthermore, no extremely hazardous substances, as defined in 40 CFR 355, in threshold planning quantities, will be used, produced, stored, transported, or disposed of in association with the drilling of this well.

## 13. Air Drilling Operations:

1. Main Air Compressors are 1250 CFM 350 psi with 2000 psi Boosters and are rig mounted.
2. Secondary Air Compressors are 1170 CFM 350 psi with 2000 psi Boosters and are rig mounted.
3. Minimum setting depth of conductor casing will be 60' GL or 10'± into competent formation, whichever is deeper, as determined by the EOG person in charge. Exceptions must be approved by an EOG drilling superintendent or manager.
4. The diameter of the diverter flow line will be a minimum of 10" to help reduce back pressure on the well bore during uncontrolled flow.
5. Rat and Mouse hole drilling will occur only after surface casing has been set and cemented.
6. EOG Resources, Inc. will use a properly maintained and lubricated stripper head.

**(Attachment: BOP Schematic Diagram)**

# STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

FORM 9

## SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

**5.LEASE DESIGNATION AND SERIAL NUMBER:** UTU76042

**6. IF INDIAN, ALLOTTEE OR TRIBE NAME:**

**7.UNIT or CA AGREEMENT NAME:**

**1. TYPE OF WELL** Gas Well

**8. WELL NAME and NUMBER:** HOSS 117-26

**2. NAME OF OPERATOR:** EOG RESOURCES, INC.

**9. API NUMBER:** 43047502040000

**3. ADDRESS OF OPERATOR:** 1060 East Highway 40 , Vernal, UT, 84078

**PHONE NUMBER:** 435 781-9111 Ext

**9. FIELD and POOL or WILDCAT:** NATURAL BUTTES

**4. LOCATION OF WELL**
**FOOTAGES AT SURFACE:** 0859 FNL 0715 FWL
**QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:** Qtr/Qtr: NWNW Section: 26 Township: 08.0S Range: 23.0E Meridian: S

**COUNTY:** UINTAH

**STATE:** UTAH

**11.** CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

| TYPE OF SUBMISSION | TYPE OF ACTION | | |
|---|---|---|---|
| ✓ NOTICE OF INTENT<br>Approximate date work will start:<br>11/13/2013 | ☐ ACIDIZE | ☐ ALTER CASING | ☐ CASING REPAIR |
| | ☐ CHANGE TO PREVIOUS PLANS | ☐ CHANGE TUBING | ☐ CHANGE WELL NAME |
| | ☐ CHANGE WELL STATUS | ☐ COMMINGLE PRODUCING FORMATIONS | ☐ CONVERT WELL TYPE |
| ☐ SUBSEQUENT REPORT<br>Date of Work Completion: | ☐ DEEPEN | ☐ FRACTURE TREAT | ☐ NEW CONSTRUCTION |
| | ☐ OPERATOR CHANGE | ☐ PLUG AND ABANDON | ☐ PLUG BACK |
| | ☐ PRODUCTION START OR RESUME | ☐ RECLAMATION OF WELL SITE | ☐ RECOMPLETE DIFFERENT FORMATION |
| ☐ SPUD REPORT<br>Date of Spud: | ☐ REPERFORATE CURRENT FORMATION | ☐ SIDETRACK TO REPAIR WELL | ☐ TEMPORARY ABANDON |
| | ☐ TUBING REPAIR | ☐ VENT OR FLARE | ☐ WATER DISPOSAL |
| ☐ DRILLING REPORT<br>Report Date: | ☐ WATER SHUTOFF | ☐ SI TA STATUS EXTENSION | ✓ APD EXTENSION |
| | ☐ WILDCAT WELL DETERMINATION | ☐ OTHER | OTHER: |

**12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.**

EOG Resources, Inc. respectfully requests the APD for the referenced well be extended for one year.

**Approved by the Utah Division of Oil, Gas and Mining**

**Date:** November 18, 2013

**By:**

| NAME (PLEASE PRINT) | PHONE NUMBER | TITLE |
|---|---|---|
| Kaylene Gardner | 435 781-9111 | Regulatory Administrator |

| SIGNATURE | DATE |
|---|---|
| N/A | 11/13/2013 |

RECEIVED: Nov. 13, 2013

## The Utah Division of Oil, Gas, and Mining

**- State of Utah**
**- Department of Natural Resources**

**Electronic Permitting System - Sundry Notices**

## Request for Permit Extension Validation Well Number 43047502040000

**API:** 43047502040000
**Well Name:** HOSS 117-26
**Location:** 0859 FNL 0715 FWL QTR NWNW SEC 26 TWNP 080S RNG 230E MER S
**Company Permit Issued to:** EOG RESOURCES, INC.
**Date Original Permit Issued:** 11/25/2008

**The undersigned as owner with legal rights to drill on the property as permitted above, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision. Following is a checklist of some items related to the application, which should be verified.**

- **If located on private land, has the ownership changed, if so, has the surface agreement been updated?** ○ **Yes** ◉ **No**
- **Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location?** ○ **Yes** ◉ **No**
- **Has there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well?** ○ **Yes** ◉ **No**
- **Have there been any changes to the access route including ownership, or rightof- way, which could affect the proposed location?** ○ **Yes** ◉ **No**
- **Has the approved source of water for drilling changed?** ○ **Yes** ◉ **No**
- **Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation?** ○ **Yes** ◉ **No**
- **Is bonding still in place, which covers this proposed well?** ◉ **Yes** ○ **No**

**Signature:** Kaylene Gardner **Date:** 11/13/2013
**Title:** Regulatory Administrator **Representing:** EOG RESOURCES, INC.

RECEIVED: Nov. 13, 2013

**STATE OF UTAH**
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

**FORM 9**

**5.LEASE DESIGNATION AND SERIAL NUMBER:** UTU76042

## SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

**6. IF INDIAN, ALLOTTEE OR TRIBE NAME:**

**7.UNIT or CA AGREEMENT NAME:**

**1. TYPE OF WELL**
Gas Well

**8. WELL NAME and NUMBER:**
HOSS 117-26

**2. NAME OF OPERATOR:**
EOG RESOURCES, INC.

**9. API NUMBER:**
43047502040000

**3. ADDRESS OF OPERATOR:**
600 17th Street, Suite 1000 N , Denver, CO, 80202

**PHONE NUMBER:**
435 781-9111 Ext

**9. FIELD and POOL or WILDCAT:**
NATURAL BUTTES

**4. LOCATION OF WELL**
**FOOTAGES AT SURFACE:**
0859 FNL 0715 FWL
**QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:**
Qtr/Qtr: NWNW Section: 26 Township: 08.0S Range: 23.0E Meridian: S

**COUNTY:**
UINTAH

**STATE:**
UTAH

**11.**
CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

| TYPE OF SUBMISSION | TYPE OF ACTION | | |
|---|---|---|---|
| ✓ NOTICE OF INTENT<br>Approximate date work will start:<br>11/20/2014 | ☐ ACIDIZE | ☐ ALTER CASING | ☐ CASING REPAIR |
| | ☐ CHANGE TO PREVIOUS PLANS | ☐ CHANGE TUBING | ☐ CHANGE WELL NAME |
| | ☐ CHANGE WELL STATUS | ☐ COMMINGLE PRODUCING FORMATIONS | ☐ CONVERT WELL TYPE |
| ☐ SUBSEQUENT REPORT<br>Date of Work Completion: | ☐ DEEPEN | ☐ FRACTURE TREAT | ☐ NEW CONSTRUCTION |
| | ☐ OPERATOR CHANGE | ☐ PLUG AND ABANDON | ☐ PLUG BACK |
| | ☐ PRODUCTION START OR RESUME | ☐ RECLAMATION OF WELL SITE | ☐ RECOMPLETE DIFFERENT FORMATION |
| ☐ SPUD REPORT<br>Date of Spud: | ☐ REPERFORATE CURRENT FORMATION | ☐ SIDETRACK TO REPAIR WELL | ☐ TEMPORARY ABANDON |
| | ☐ TUBING REPAIR | ☐ VENT OR FLARE | ☐ WATER DISPOSAL |
| ☐ DRILLING REPORT<br>Report Date: | ☐ WATER SHUTOFF | ☐ SI TA STATUS EXTENSION | ✓ APD EXTENSION |
| | ☐ WILDCAT WELL DETERMINATION | ☐ OTHER | OTHER: |

**12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.**

EOG Resources, Inc. respectfully requests the APD for the referenced well be extended for one year.

Approved by the
Utah Division of
Oil, Gas and Mining

Date: November 25, 2014

By:

| NAME (PLEASE PRINT) | PHONE NUMBER | TITLE |
|---|---|---|
| Donna J Skinner | 303 262-9467 | Sr. Regulatory Assistant |

| SIGNATURE | DATE |
|---|---|
| N/A | 11/20/2014 |

RECEIVED: Nov. 20, 2014

## The Utah Division of Oil, Gas, and Mining

**- State of Utah**
**- Department of Natural Resources**

**Electronic Permitting System - Sundry Notices**

## Request for Permit Extension Validation Well Number 43047502040000

**API:** 43047502040000
**Well Name:** HOSS 117-26
**Location:** 0859 FNL 0715 FWL QTR NWNW SEC 26 TWNP 080S RNG 230E MER S
**Company Permit Issued to:** EOG RESOURCES, INC.
**Date Original Permit Issued:** 11/25/2008

**The undersigned as owner with legal rights to drill on the property as permitted above, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision. Following is a checklist of some items related to the application, which should be verified.**

- **If located on private land, has the ownership changed, if so, has the surface agreement been updated?** ○ **Yes** ◉ **No**
- **Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location?** ○ **Yes** ◉ **No**
- **Has there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well?** ○ **Yes** ◉ **No**
- **Have there been any changes to the access route including ownership, or rightof- way, which could affect the proposed location?** ○ **Yes** ◉ **No**
- **Has the approved source of water for drilling changed?** ○ **Yes** ◉ **No**
- **Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation?** ○ **Yes** ◉ **No**
- **Is bonding still in place, which covers this proposed well?** ◉ **Yes** ○ **No**

**Signature:** Donna J Skinner **Date:** 11/20/2014
**Title:** Sr. Regulatory Assistant **Representing:** EOG RESOURCES, INC.

RECEIVED: Nov. 20, 2014

**STATE OF UTAH**
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

FORM 9

**5.LEASE DESIGNATION AND SERIAL NUMBER:** UTU76042

## SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

**6. IF INDIAN, ALLOTTEE OR TRIBE NAME:**

**7.UNIT or CA AGREEMENT NAME:**

**1. TYPE OF WELL**
Gas Well

**8. WELL NAME and NUMBER:**
HOSS 117-26

**2. NAME OF OPERATOR:**
EOG RESOURCES, INC.

**9. API NUMBER:**
43047502040000

**3. ADDRESS OF OPERATOR:**
1060 East Highway 40 , Vernal, UT, 84078

**PHONE NUMBER:**
435 781-9111 Ext

**9. FIELD and POOL or WILDCAT:**
NATURAL BUTTES

**4. LOCATION OF WELL**
**FOOTAGES AT SURFACE:**
0859 FNL 0715 FWL
**QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:**
Qtr/Qtr: NWNW Section: 26 Township: 08.0S Range: 23.0E Meridian: S

**COUNTY:**
UINTAH

**STATE:**
UTAH

**11.**
CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

| TYPE OF SUBMISSION | TYPE OF ACTION | | |
|---|---|---|---|
| ✓ NOTICE OF INTENT<br>Approximate date work will start:<br>10/20/2015 | ☐ ACIDIZE | ☐ ALTER CASING | ☐ CASING REPAIR |
| | ☐ CHANGE TO PREVIOUS PLANS | ☐ CHANGE TUBING | ☐ CHANGE WELL NAME |
| | ☐ CHANGE WELL STATUS | ☐ COMMINGLE PRODUCING FORMATIONS | ☐ CONVERT WELL TYPE |
| ☐ SUBSEQUENT REPORT<br>Date of Work Completion: | ☐ DEEPEN | ☐ FRACTURE TREAT | ☐ NEW CONSTRUCTION |
| | ☐ OPERATOR CHANGE | ☐ PLUG AND ABANDON | ☐ PLUG BACK |
| | ☐ PRODUCTION START OR RESUME | ☐ RECLAMATION OF WELL SITE | ☐ RECOMPLETE DIFFERENT FORMATION |
| ☐ SPUD REPORT<br>Date of Spud: | ☐ REPERFORATE CURRENT FORMATION | ☐ SIDETRACK TO REPAIR WELL | ☐ TEMPORARY ABANDON |
| | ☐ TUBING REPAIR | ☐ VENT OR FLARE | ☐ WATER DISPOSAL |
| ☐ DRILLING REPORT<br>Report Date: | ☐ WATER SHUTOFF | ☐ SI TA STATUS EXTENSION | ✓ APD EXTENSION |
| | ☐ WILDCAT WELL DETERMINATION | ☐ OTHER | OTHER: |

**12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.**

EOG RESOURCES, INC. RESPECTFULLY REQUESTS THE APD FOR THE REFERENCED WELL BE EXTENDED FOR ONE YEAR.

Approved by the
Utah Division of
Oil, Gas and Mining
October 26, 2015

Date:

By:

| NAME (PLEASE PRINT) | PHONE NUMBER | TITLE |
|---|---|---|
| Alex Khorram | 303 824-5591 | Sr. Assistant Operations |

| SIGNATURE | DATE |
|---|---|
| N/A | 10/20/2015 |

RECEIVED: Oct. 20, 2015

## The Utah Division of Oil, Gas, and Mining

**- State of Utah**
**- Department of Natural Resources**

**Electronic Permitting System - Sundry Notices**

## Request for Permit Extension Validation Well Number 43047502040000

**API:** 43047502040000
**Well Name:** HOSS 117-26
**Location:** 0859 FNL 0715 FWL QTR NWNW SEC 26 TWNP 080S RNG 230E MER S
**Company Permit Issued to:** EOG RESOURCES, INC.
**Date Original Permit Issued:** 11/25/2008

**The undersigned as owner with legal rights to drill on the property as permitted above, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision. Following is a checklist of some items related to the application, which should be verified.**

- **If located on private land, has the ownership changed, if so, has the surface agreement been updated?** ○ **Yes** ◉ **No**
- **Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location?** ○ **Yes** ◉ **No**
- **Has there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well?** ○ **Yes** ◉ **No**
- **Have there been any changes to the access route including ownership, or rightof- way, which could affect the proposed location?** ○ **Yes** ◉ **No**
- **Has the approved source of water for drilling changed?** ○ **Yes** ◉ **No**
- **Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation?** ○ **Yes** ◉ **No**
- **Is bonding still in place, which covers this proposed well?** ◉ **Yes** ○ **No**

**Signature:** Alex Khorram **Date:** 10/20/2015
**Title:** Sr. Assistant Operations **Representing:** EOG RESOURCES, INC.

RECEIVED: Oct. 20, 2015

**STATE OF UTAH**
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

FORM 9

**5.LEASE DESIGNATION AND SERIAL NUMBER:** UTU76042

## SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

**6. IF INDIAN, ALLOTTEE OR TRIBE NAME:**

**7.UNIT or CA AGREEMENT NAME:**

**1. TYPE OF WELL**
Gas Well

**8. WELL NAME and NUMBER:**
HOSS 117-26

**2. NAME OF OPERATOR:**
EOG RESOURCES, INC.

**9. API NUMBER:**
43047502040000

**3. ADDRESS OF OPERATOR:**
600 17th Street Ste 1000N , Denver, CO, 80202

**PHONE NUMBER:**
435 781-9111 Ext

**9. FIELD and POOL or WILDCAT:**
NATURAL BUTTES

**4. LOCATION OF WELL**
**FOOTAGES AT SURFACE:**
0859 FNL 0715 FWL
**QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:**
Qtr/Qtr: NWNW Section: 26 Township: 08.0S Range: 23.0E Meridian: S

**COUNTY:**
UINTAH

**STATE:**
UTAH

**11.**
CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

| TYPE OF SUBMISSION | TYPE OF ACTION | | |
|---|---|---|---|
| ✓ NOTICE OF INTENT<br>Approximate date work will start:<br>12/1/2016 | ☐ ACIDIZE | ☐ ALTER CASING | ☐ CASING REPAIR |
| | ☐ CHANGE TO PREVIOUS PLANS | ☐ CHANGE TUBING | ☐ CHANGE WELL NAME |
| | ☐ CHANGE WELL STATUS | ☐ COMMINGLE PRODUCING FORMATIONS | ☐ CONVERT WELL TYPE |
| ☐ SUBSEQUENT REPORT<br>Date of Work Completion: | ☐ DEEPEN | ☐ FRACTURE TREAT | ☐ NEW CONSTRUCTION |
| | ☐ OPERATOR CHANGE | ☐ PLUG AND ABANDON | ☐ PLUG BACK |
| | ☐ PRODUCTION START OR RESUME | ☐ RECLAMATION OF WELL SITE | ☐ RECOMPLETE DIFFERENT FORMATION |
| ☐ SPUD REPORT<br>Date of Spud: | ☐ REPERFORATE CURRENT FORMATION | ☐ SIDETRACK TO REPAIR WELL | ☐ TEMPORARY ABANDON |
| | ☐ TUBING REPAIR | ☐ VENT OR FLARE | ☐ WATER DISPOSAL |
| ☐ DRILLING REPORT<br>Report Date: | ☐ WATER SHUTOFF | ☐ SI TA STATUS EXTENSION | ✓ APD EXTENSION |
| | ☐ WILDCAT WELL DETERMINATION | ☐ OTHER | OTHER: |

**12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.**

EOG Resources, Inc. respectfully requests the APD for the referenced well be extended for one year.

Approved by the
Utah Division of
Oil, Gas and Mining
Date: December 06, 2016
By:

| NAME (PLEASE PRINT) | PHONE NUMBER | TITLE |
|---|---|---|
| Wes Paine | 303-262-9886 | Regulatory Specialist |
| **SIGNATURE** | | **DATE** |
| N/A | | 12/1/2016 |

RECEIVED: Dec. 01, 2016

## The Utah Division of Oil, Gas, and Mining

**- State of Utah**
**- Department of Natural Resources**

**Electronic Permitting System - Sundry Notices**

## Request for Permit Extension Validation Well Number 43047502040000

**API:** 43047502040000
**Well Name:** HOSS 117-26
**Location:** 0859 FNL 0715 FWL QTR NWNW SEC 26 TWNP 080S RNG 230E MER S
**Company Permit Issued to:** EOG RESOURCES, INC.
**Date Original Permit Issued:** 11/25/2008

**The undersigned as owner with legal rights to drill on the property as permitted above, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision. Following is a checklist of some items related to the application, which should be verified.**

- **If located on private land, has the ownership changed, if so, has the surface agreement been updated?** ○ **Yes** ◉ **No**
- **Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location?** ○ **Yes** ◉ **No**
- **Has there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well?** ○ **Yes** ◉ **No**
- **Have there been any changes to the access route including ownership, or rightof- way, which could affect the proposed location?** ○ **Yes** ◉ **No**
- **Has the approved source of water for drilling changed?** ○ **Yes** ◉ **No**
- **Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation?** ○ **Yes** ◉ **No**
- **Is bonding still in place, which covers this proposed well?** ◉ **Yes** ○ **No**

**Signature:** Wes Paine **Date:** 12/1/2016
**Title:** Regulatory Specialist **Representing:** EOG RESOURCES, INC.

RECEIVED: Dec. 01, 2016