API Well Number: 43047521520000

**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**
Chapita Wells Unit 1565-26D

**2. TYPE OF WORK**
DRILL NEW WELL ■ REENTER P&A WELL ○ DEEPEN WELL ○

**3. FIELD OR WILDCAT**
NATURAL BUTTES

**4. TYPE OF WELL**
Gas Well Coalbed Methane Well: NO

**5. UNIT or COMMUNITIZATION AGREEMENT NAME**
CHAPITA WELLS

**6. NAME OF OPERATOR**
EOG Resources, Inc.

**7. OPERATOR PHONE**
435 781-9111

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

**9. OPERATOR E-MAIL**
kaylene_gardner@eogresources.com

**10. MINERAL LEASE NUMBER (FEDERAL, INDIAN, OR STATE)**
UTU0285A

**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 | 1160 FNL 1751 FEL | NWNE | 26 | 9.0 S | 22.0 E | S |
| Top of Uppermost Producing Zone | 1149 FNL 2200 FEL | NWNE | 26 | 9.0 S | 22.0 E | S |
| At Total Depth | 1149 FNL 2200 FEL | NWNE | 26 | 9.0 S | 22.0 E | S |

**21. COUNTY**
UINTAH

**22. DISTANCE TO NEAREST LEASE LINE (Feet)**
1149

**23. NUMBER OF ACRES IN DRILLING UNIT**
1800

**25. DISTANCE TO NEAREST WELL IN SAME POOL (Applied For Drilling or Completed)**
780

**26. PROPOSED DEPTH**
MD: 9378 TVD: 9340

**27. ELEVATION - GROUND LEVEL**
5018

**28. BOND NUMBER**
NM2308

**29. SOURCE OF DRILLING WATER / WATER RIGHTS APPROVAL NUMBER IF APPLICABLE**
49-225

### Hole, Casing, and Cement Information

| String | Hole Size | Casing Size | Length | Weight | Grade & Thread | Max Mud Wt. | Cement | Sacks | Yield | Weight |
|---|---|---|---|---|---|---|---|---|---|---|
| Surf | 12.25 | 9.625 | 0 - 2250 | 36.0 | J-55 ST&C | 0.0 | Type III | 135 | 4.1 | 10.5 |
| | | | | | | | Type V | 135 | 1.18 | 15.6 |
| Prod | 7.875 | 4.5 | 0 - 9378 | 11.6 | N-80 LT&C | 10.5 | Light (Hibond) | 310 | 1.61 | 12.5 |
| | | | | | | | 50/50 Poz | 795 | 1.47 | 13.5 |

### ATTACHMENTS

**VERIFY THE FOLLOWING ARE ATTACHED IN ACCORDANCE 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** Nanette Lupcho **TITLE** Regulatory Assistant **PHONE** 435 781-9157

**SIGNATURE** **DATE** 11/03/2011 **EMAIL** Nanette_Lupcho@EOGResources.com

**API NUMBER ASSIGNED**
43047521520000

**APPROVAL**

Permit Manager

**RECEIVED: November 21, 2011**

# DRILLING PLAN
## MULTI-WELL PAD:
## CWU 1560-26D, CWU 1561-26D, CWU 1562-26D, CWU 1563-26D, CWU 1564-26D, CWU 1565-26D, CWU 1566-26D

NW/NE, SEC. 26, T9S, R22E, S.L.B.&M..
UINTAH COUNTY, UTAH

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

| | CWU 1560-26D | | CWU 1561-26D | | CWU 1562-26D | | CWU 1563-26D | |
|---|---|---|---|---|---|---|---|---|
| **FORMATION** | **TVD** | **MD** | **TVD** | **MD** | **TVD** | **MD** | **TVD** | **MD** |
| Green River | 1575 | 1597 | 1580 | 1590 | 1550 | 1561 | 1534 | 1553 |
| Birdsnest | 1715 | 1741 | 1716 | 1728 | 1707 | 1720 | 1702 | 1726 |
| Mahogany Oil Shale Bed | 2268 | 2312 | 2279 | 2297 | 2271 | 2293 | 2255 | 2296 |
| Wasatch | 4609 | 4661 | 4632 | 4657 | 4605 | 4637 | 4611 | 4672 |
| Chapita Wells | 5197 | 5249 | 5219 | 5243 | 5187 | 5219 | 5187 | 5249 |
| Buck Canyon | 5842 | 5894 | 5877 | 5902 | 5839 | 5870 | 5849 | 5910 |
| North Horn | 6571 | 6624 | 6582 | 6607 | 6556 | 6588 | 6548 | 6609 |
| KMV Price River | 6944 | 6996 | 6973 | 6998 | 6933 | 6965 | 6935 | 6997 |
| KMV Price River Middle | 7811 | 7863 | 7837 | 7862 | 7803 | 7835 | 7806 | 7868 |
| KMV Price River Lower | 8608 | 8660 | 8632 | 8657 | 8602 | 8634 | 8607 | 8668 |
| Sego | 9065 | 9117 | 9140 | 9165 | 9105 | 9137 | 9110 | 9171 |
| **TD** | 9265 | 9317 | 9340 | 9365 | 9305 | 9337 | 9310 | 9371 |
| **ANTICIPATED BHP (PSI)** | **5059** | | **5100** | | **5081** | | **5083** | |

| | CWU 1564-26D | | CWU 1565-26D | | CWU 1566-26D | | | |
|---|---|---|---|---|---|---|---|---|
| **FORMATION** | **TVD** | **MD** | **TVD** | **MD** | **TVD** | **MD** | **TVD** | **MD** |
| Green River | 1544 | 1554 | 1554 | 1568 | 1520 | 1558 | | |
| Birdsnest | 1707 | 1718 | 1710 | 1728 | 1698 | 1745 | | |
| Mahogany Oil Shale Bed | 2274 | 2293 | 2276 | 2304 | 2256 | 2332 | | |
| Wasatch | 4632 | 4656 | 4635 | 4672 | 4615 | 4734 | | |
| Chapita Wells | 5213 | 5237 | 5215 | 5252 | 5187 | 5306 | | |
| Buck Canyon | 5883 | 5907 | 5888 | 5926 | 5854 | 5973 | | |
| North Horn | 6565 | 6590 | 6564 | 6602 | 6543 | 6662 | | |
| KMV Price River | 6971 | 6995 | 6974 | 7012 | 6936 | 7055 | | |
| KMV Price River Middle | 7836 | 7861 | 7840 | 7877 | 7807 | 7926 | | |
| KMV Price River Lower | 8635 | 8660 | 8639 | 8676 | 8607 | 8726 | | |
| Sego | 9135 | 9159 | 9140 | 9178 | 9105 | 9224 | | |
| **TD** | 9335 | 9359 | 9340 | 9378 | 9305 | 9424 | | |
| **ANTICIPATED BHP (PSI)** | **5097** | | **5100** | | **5081** | | | |

1. Fresh Waters may exist in the upper, approximately 1,000 ft ± of the Green River Formation, with top at about 1,600 ft ±.
2. Cement to be installed to surface of the well isolating all zones.



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**DRILLING PLAN**
**MULTI-WELL PAD:**
**CWU 1560-26D, CWU 1561-26D, CWU 1562-26D,**
**CWU 1563-26D, CWU 1564-26D, CWU 1565-26D, CWU 1566-26D**
NW/NE, SEC. 26, T9S, R22E, S.L.B.&M..
UINTAH COUNTY, UTAH

## 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 | Rating Burst | Tensile |
|---|---|---|---|---|---|---|---|---|---|
| Conductor | 20" | 0 – 60' | 14" | 32.5# | A252 | | | 1800 PSI | 10,000# |
| Surface | 12 ¼" | 0 – 2,250'± MD | 9 ⅝" | 36.0# | J-55 | STC | 2020 PSI | 3520 PSI | 394,000# |
| Production | 7 7/8" | Surface – MTD | 4 ½" | 11.6# | N-80 | LTC | 6350 PSI | 7780 PSI | 223,000# |

**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 2250' MD shown above depending on the actual depth of the loss zone.**

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

## 5. FLOAT EQUIPMENT:

### Surface Casing (0'- ±2250' MD):

Guide Shoe
Insert Float Collar (PDC drillable)
Centralizers: 1 in middle of shoe joint, then top of every joint for next 7 joints, 2 at KOP. (10 total)

### Production Casing (0' – MTD):

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. Turbulizers to be placed 5' above shoe on joint #1, middle of joint #2 and #3. Centralizers starting on joint #4 and every 3rd joint to 400' above the top of primary objective. Thread lock float shoe, top and bottom of float collar, and top of 2nd joint.



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NW/NE, SEC. 26, T9S, R22E, S.L.B.&M..
UINTAH COUNTY, UTAH

## 6. MUD PROGRAM

### Surface Hole Procedure (Surface - 2250'± MD):

Air/Air mist/Aerated water
or
A closed mud system will be utilized with a gelled bentonite system. LCM sweeps, additions, etc. will be utilized as necessary.

### Production Hole Procedure (2250'± - MTD):

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

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. $CO_2$ contamination, if encountered, will be treated with lime and gypsum.

## 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).



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**MULTI-WELL PAD:**
**CWU 1560-26D, CWU 1561-26D, CWU 1562-26D,**
**CWU 1563-26D, CWU 1564-26D, CWU 1565-26D, CWU 1566-26D**
NW/NE, SEC. 26, T9S, R22E, S.L.B.&M..
UINTAH COUNTY, UTAH

## 8. EVALUATION PROGRAM:

**Open-hole Logs:** None
**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 Gamma Ray**

## 9. CEMENT PROGRAM:

### Surface Casing (0'- ±2250' MD):

**Lead:** Lead volume to be calculated to bring cement from 500' above casing shoe to surface. Lead cement will be:

**135 sx.** **HES VariCem (Type III) + 2% Cal-Seal (Thixotropic Additive) + 0.3% Versaset (Thixotropic Additive) + 2% Econolite (Light Weight Additive), mixed at 10.5 ppg, 4.10 cfps, 26.88 gps fresh water**

**Tail:** Tail volume to be calculated to bring cement 500' above casing shoe. Tail cement will be:

**135 sx.** **HES HalCem (Type V) + 2% $CaCl_2$ (Accelerator), mixed at 15.6 ppg, 1.18 cfps, 5.05 gps fresh water**

**Top Out:** As necessary with:

**HES HalCem (Type V) + 2% $CaCl_2$ (Accelerator), mixed at 15.6 ppg, 1.18 cfps, 5.05 gps fresh water**

**Note: The above number of sacks are calculated based on gauge hole. Final field cement volumes will be based on gauge hole plus 70% excess on the lead slurry and gauge hole plus 100% excess on the tail slurry.**



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**DRILLING PLAN**
**MULTI-WELL PAD:**
**CWU 1560-26D, CWU 1561-26D, CWU 1562-26D,**
**CWU 1563-26D, CWU 1564-26D, CWU 1565-26D, CWU 1566-26D**
NW/NE, SEC. 26, T9S, R22E, S.L.B.&M..
UINTAH COUNTY, UTAH

**Production Casing (0' – MTD):**

**Lead:** Lead volume to be calculated to bring cement from 400' above top of Wasatch Formation to 200'± above 9 5/8" surface casing shoe @ ±2250' MD. For improved mud displacement, lead slurry weight will be a minimum of 0.5 ppg over mud weight utilized at well MTD and vary from 11.0 – 13.0 ppg.

If lead slurry weight required is 11.0 ppg – 12.5 ppg, cement will be:

**HES Highbond 75 (75/25 Poz/G) + 6% Bentonite (Extender) + 0.3% Versaset (Thixotropic Additive) + 2% Microbond (Expansion Additive)**

Calculated sacks with corresponding mixed slurry weights, yields and water requirements for above cement will be as follows:

- **200 sx. if 11.0 ppg, 2.52 cfps, 14.96 gps fresh water**
- **235 sx. if 11.5 ppg, 2.12 cfps, 11.98 gps fresh water**
- **275 sx. if 12.0 ppg, 1.83 cfps, 9.82 gps fresh water**
- **310 sx. if 12.5 ppg, 1.61 cfps, 8.17 gps fresh water**

If lead slurry weight required is 13.0 ppg, cement will be:

**305 sx. HES ExtendaCem (50/50 Poz/G) + 0.125 pps Pol-E-Flake (Lost Circulation Additive), mixed at 13.0 ppg, 1.63 cfps, 8.16 gps fresh water**

**Tail:** Tail volume to be calculated to bring cement from MTD to 400' above top of Wasatch Formation. Tail cement will be:

**795 sx. HES ExtendaCem (50/50 Poz/G) + 0.125 pps Pol-E-Flake (Lost Circulation Additive), + 0.2% HR-5 (Retarder), mixed at 13.5 ppg, 1.47 cfps, 6.98 gps fresh water**

**Note: The above number of sacks in all cases are calculated based on gauge hole. Final field cement volumes will be based on gauge hole plus 50% excess on the lead slurry and gauge hole plus 70% excess on the tail slurry.**

## 10. ABNORMAL CONDITIONS:

**Surface Hole (Surface - 2250'± MD):**

Lost circulation

**Production Hole (2250'± - MTD):**

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



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**DRILLING PLAN**
**MULTI-WELL PAD:**
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**CWU 1563-26D, CWU 1564-26D, CWU 1565-26D, CWU 1566-26D**
NW/NE, SEC. 26, T9S, R22E, S.L.B.&M..
UINTAH COUNTY, UTAH

## 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)**

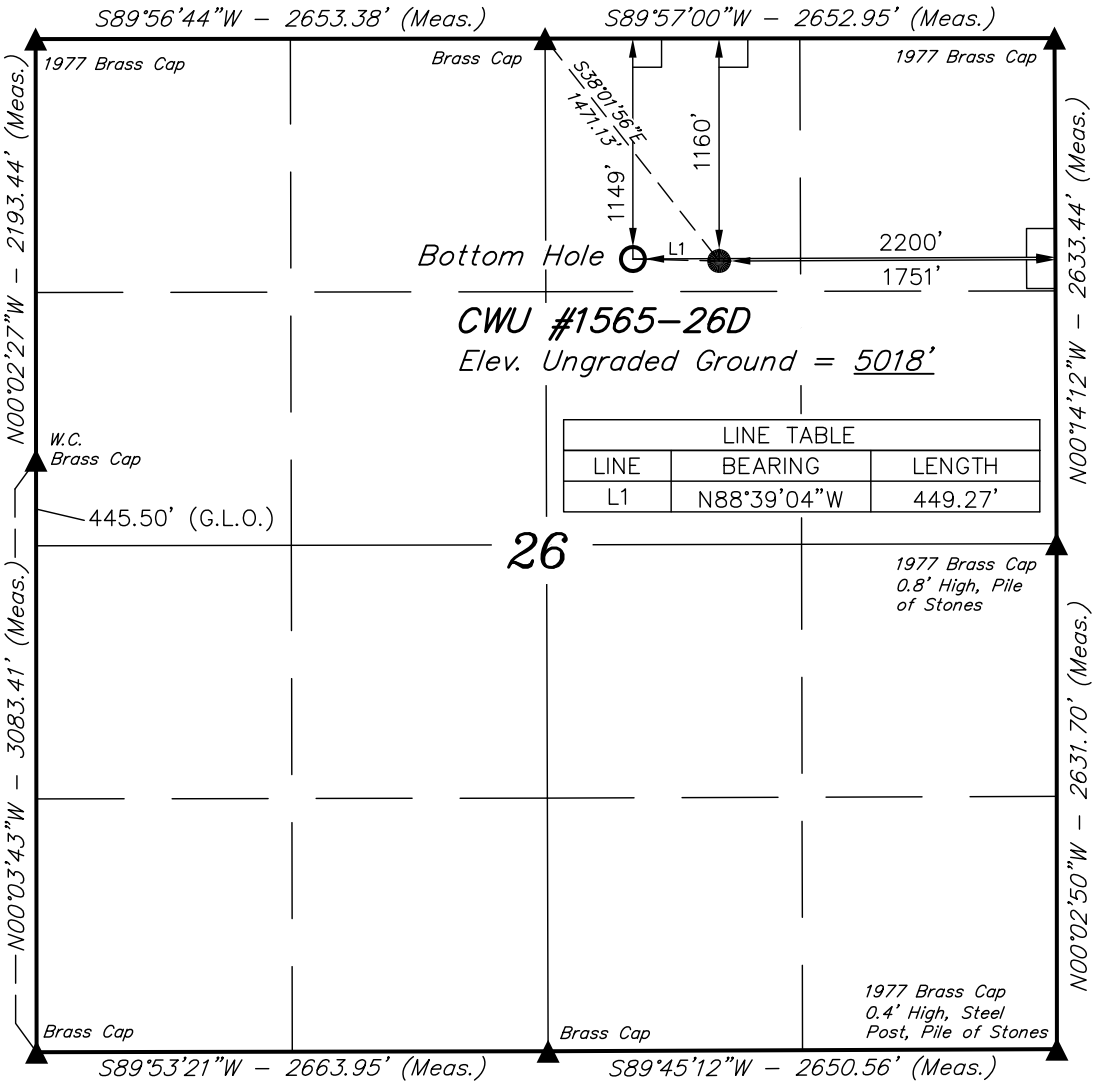


**RECEIVED: November 03, 2011**

# EOG RESOURCES, INC.

Well location, CWU #1565–26D, located as shown in the NW 1/4 NE 1/4 of Section 26, T9S, R22E, S.L.B.&M., Uintah County, Utah.

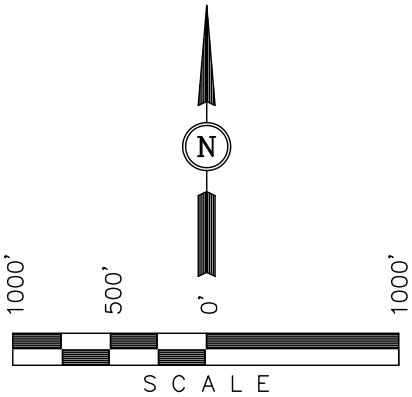
## T9S, R22E, S.L.B.&M.




| LINE TABLE | | |
|---|---|---|
| LINE | BEARING | LENGTH |
| L1 | N88°39'04"W | 449.27' |

## BASIS OF ELEVATION

BENCH MARK 20EAM LOCATED IN THE SE 1/4 OF SECTION 35, T8S, R21E, S.L.B.&M. TAKEN FROM THE OURAY SE, QUADRANGLE, UTAH, UINTAH COUNTY, 7.5 MINUTE QUAD (TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 4697 FEET.




## 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 ROBERT L. KAY STATE OF UTAH

## BASIS OF BEARINGS

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

| NAD 83 (TARGET BOTTOM HOLE) | NAD 83 (SURFACE LOCATION) |
|---|---|
| LATITUDE = 40°00'39.91" (40.011086) | LATITUDE = 40°00'39.80" (40.011056) |
| LONGITUDE = 109°24'20.16" (109.405600) | LONGITUDE = 109°24'14.39" (109.403997) |
| **NAD 27 (TARGET BOTTOM HOLE)** | **NAD 27 (SURFACE LOCATION)** |
| LATITUDE = 40°00'40.03" (40.011121) | LATITUDE = 40°00'39.92" (40.011089) |
| LONGITUDE = 109°24'17.70" (109.404918) | LONGITUDE = 109°24'11.93" (109.403314) |

LEGEND:

└ = 90° SYMBOL
● = PROPOSED WELL HEAD.
▲ = SECTION CORNERS LOCATED.

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

| | | |
|---|---|---|
| SCALE 1" = 1000' | DATE SURVEYED: 08–10–10 | DATE DRAWN: 08–12–10 |
| PARTY B.B. B.H. M.D. | REFERENCES G.L.O. PLAT | |
| WEATHER HOT | FILE EOG RESOURCES, INC. | |

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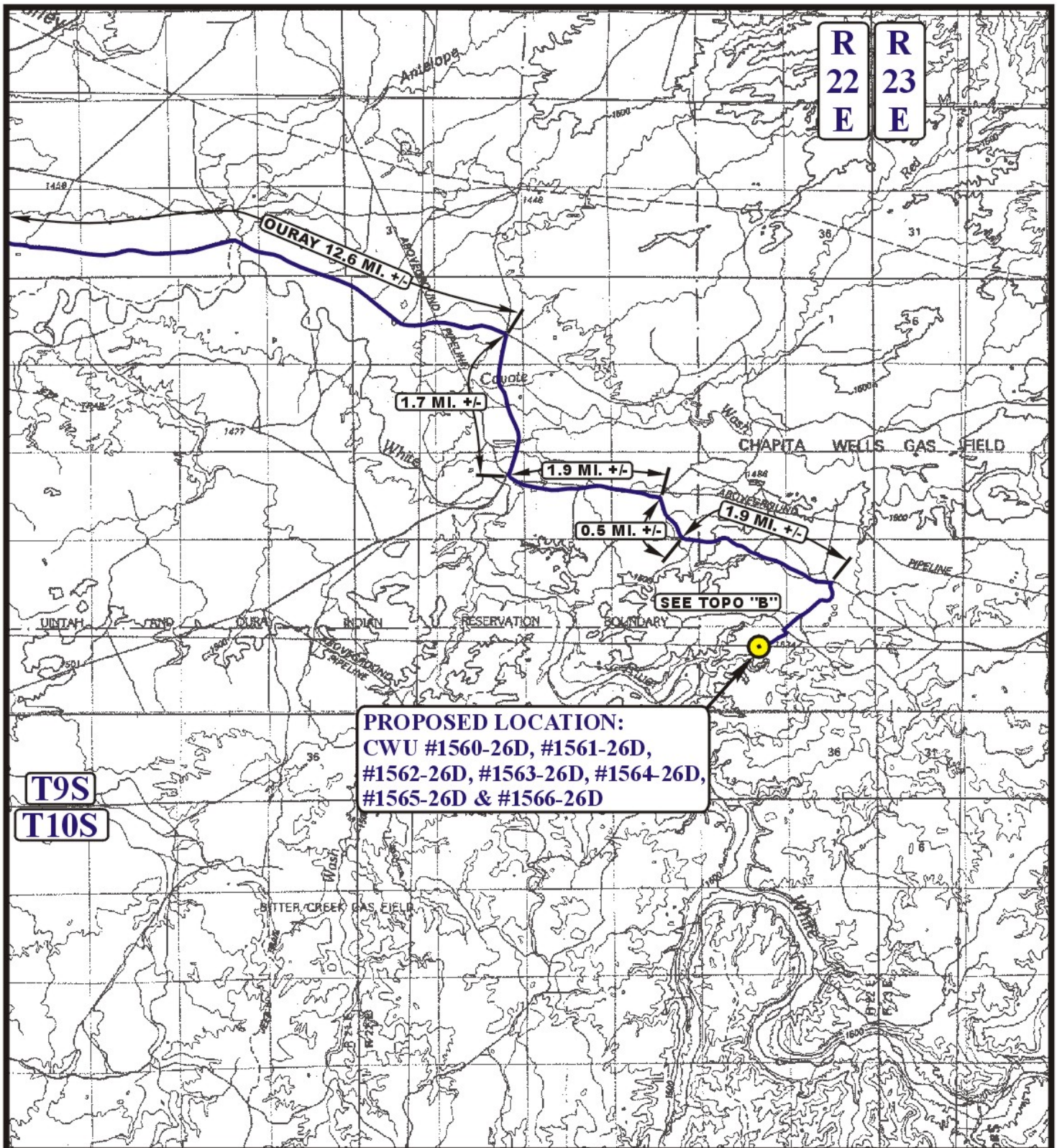



**LEGEND:**

PROPOSED LOCATION

N

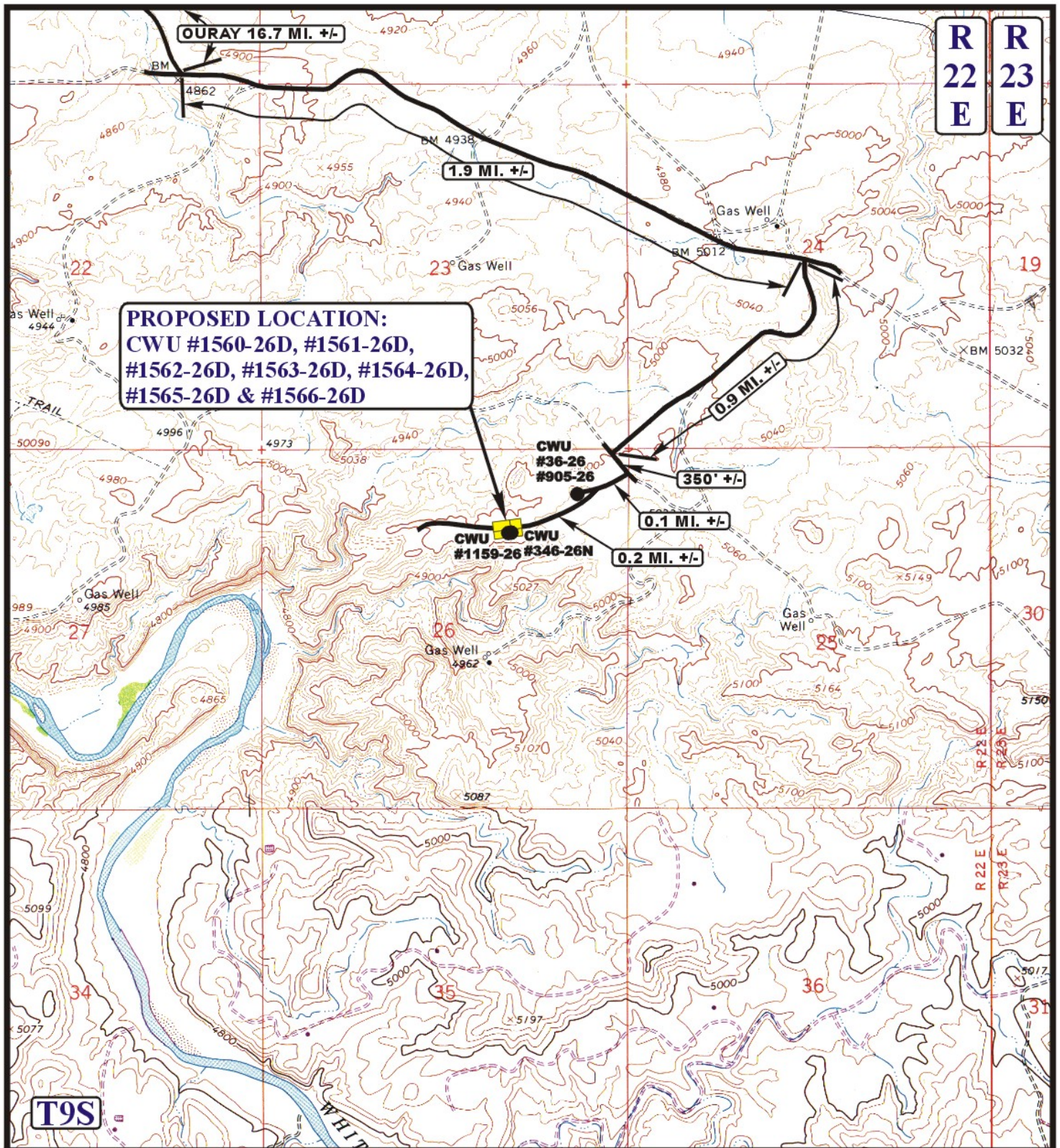
**EOG RESOURCES, INC.**

**CWU #1560-26D, #1561-26D, #1562-26D, #1563-26D, #1564-26D, #1565-26D & #1566-26D**
**SECTION 26, T9S, R22E, S.L.B.&M.**
**NW 1/4 NE 1/4**

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

| TOPOGRAPHIC MAP | 08 MONTH | 26 DAY | 10 YEAR | A TOPO |
|---|---|---|---|---|
| SCALE: 1:100,000 | DRAWN BY: Z.L. | REVISED: 00-00-00 | | |

API Well Number: 43047521520000




**LEGEND:**

EXISTING ROAD

N

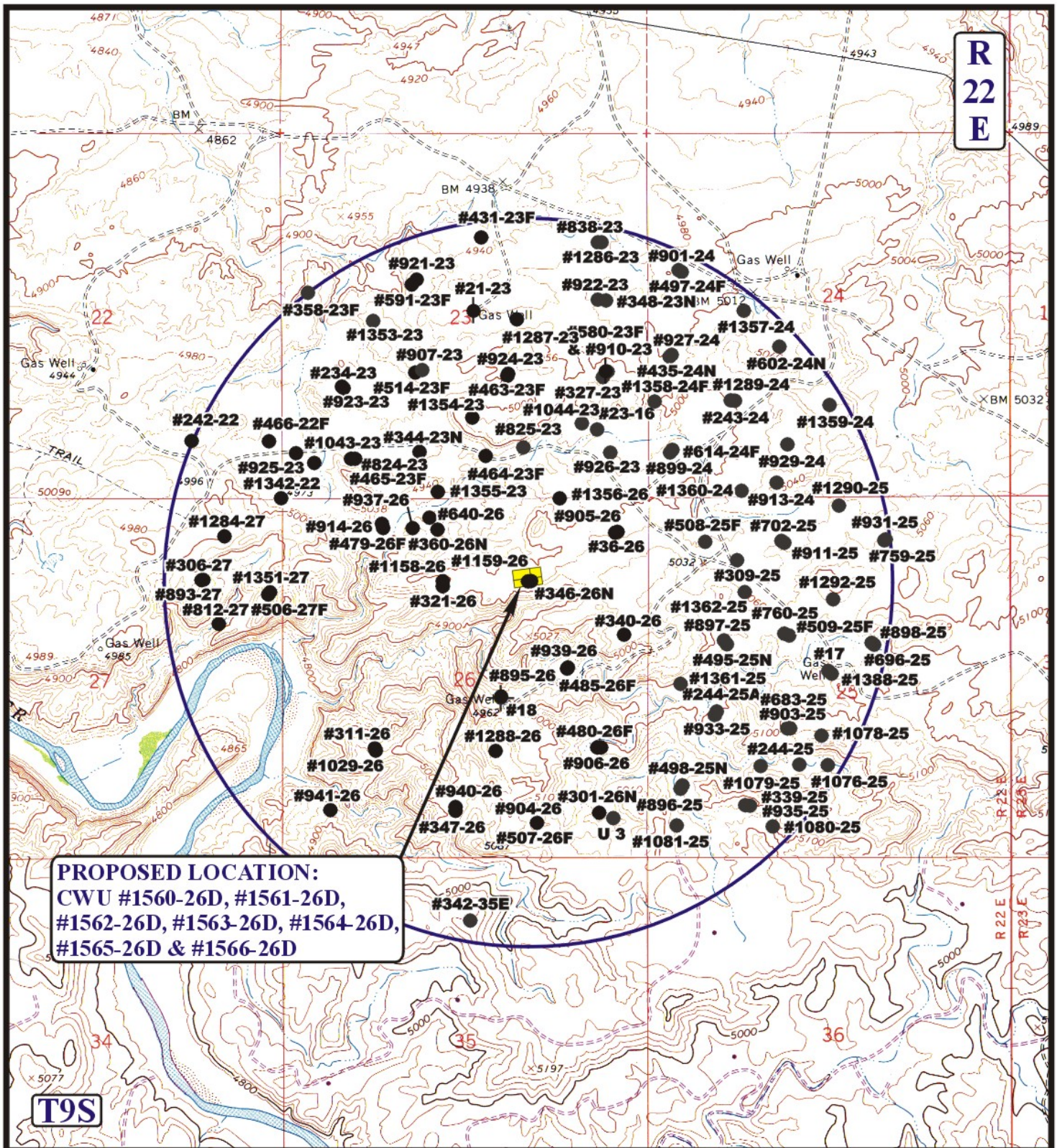
**EOG RESOURCES, INC.**

**CWU #1560-26D, #1561-26D, #1562-26D, #1563-26D, #1564-26D, #1565-26D & #1566-26D**
**SECTION 26, T9S, R22E, S.L.B.&M.**
**NW 1/4 NE 1/4**


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


| TOPOGRAPHIC MAP | 08 MONTH | 26 DAY | 10 YEAR | B TOPO |
|---|---|---|---|---|
| SCALE: 1" = 2000' | DRAWN BY: Z.L. | REVISED: 00-00-00 | | |

API Well Number: 43047521520000




## LEGEND:

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

N

## EOG RESOURCES, INC.

CWU #1560-26D, #1561-26D, #1562-26D,
#1563-26D, #1564-26D, #1565-26D & #1566-26D
SECTION 26, T9S, R22E, S.L.B.&M.
NW 1/4 NE 1/4


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

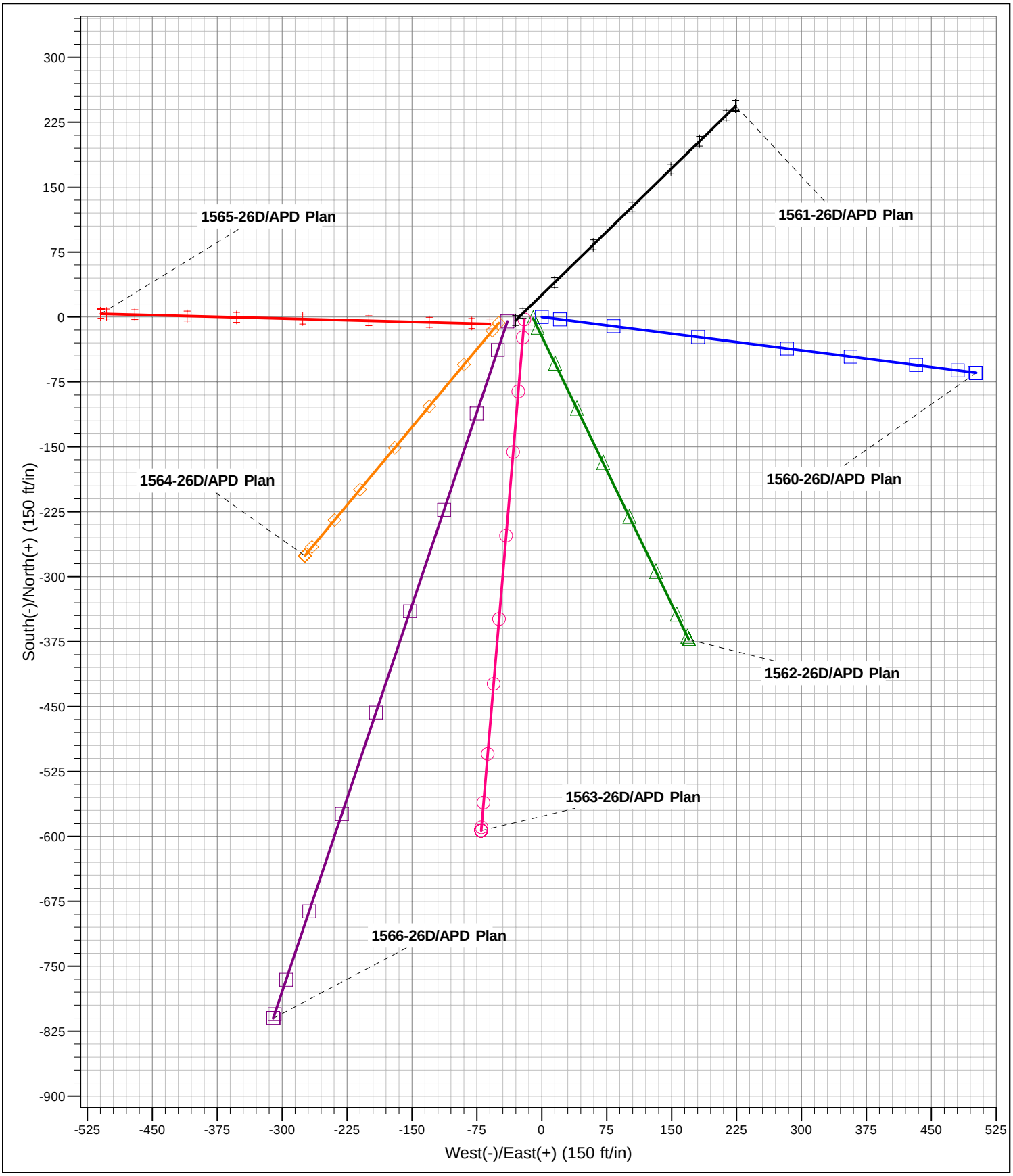

| TOPOGRAPHIC MAP | 08 MONTH | 26 DAY | 10 YEAR | C TOPO |
|---|---|---|---|---|
| SCALE: 1" = 2000' | DRAWN BY: Z.L. | REVISED: 00-00-00 | | |

API Well Number: 43047521520000

# CWU 1560-26D, CWU 1561-26D, CWU 1562-26D
# CWU 1563-26D, CWU 1564-26D, CWU 1565-26D, CWU 1566-26D

NW/NE, SEC. 26 T9S, R22E, S.L.B. & M.

UINTAH COUNTY, UTAH

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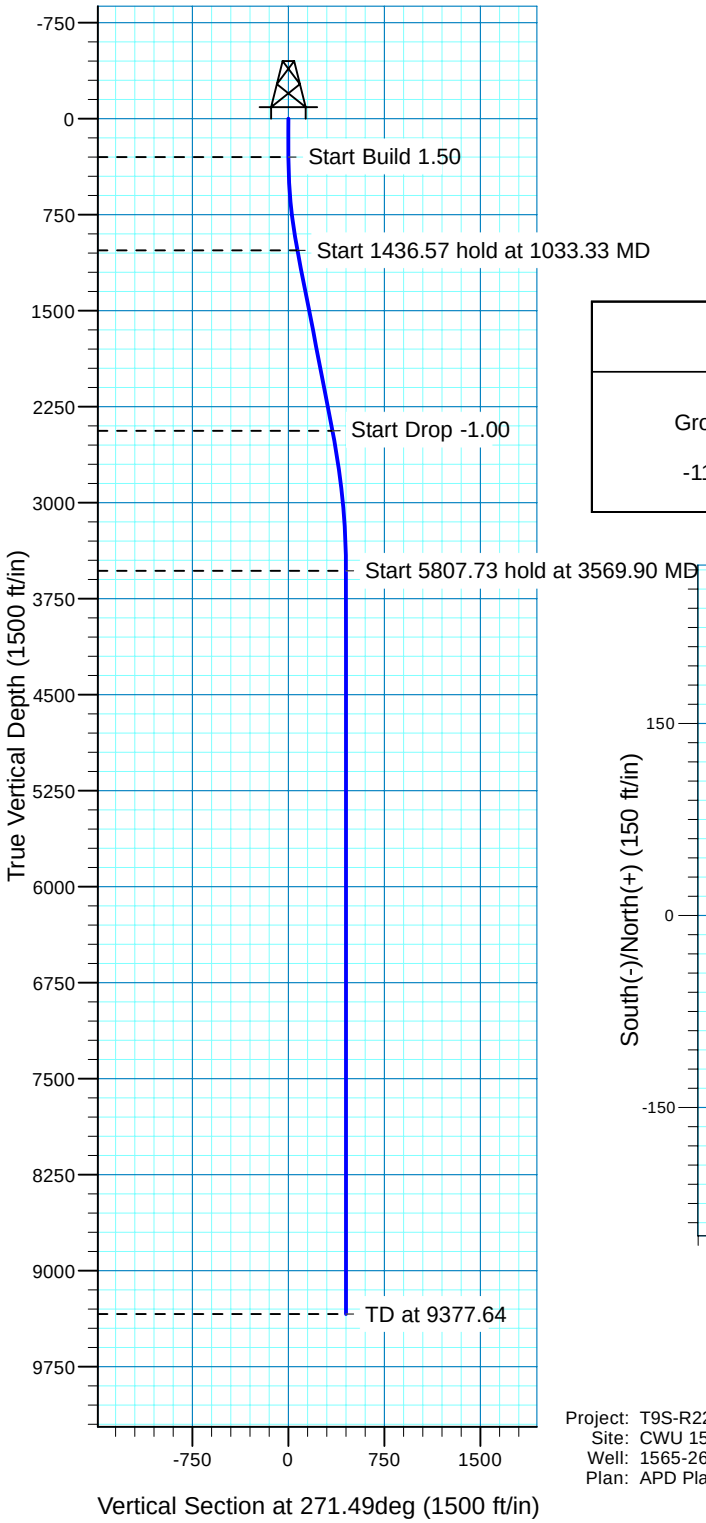
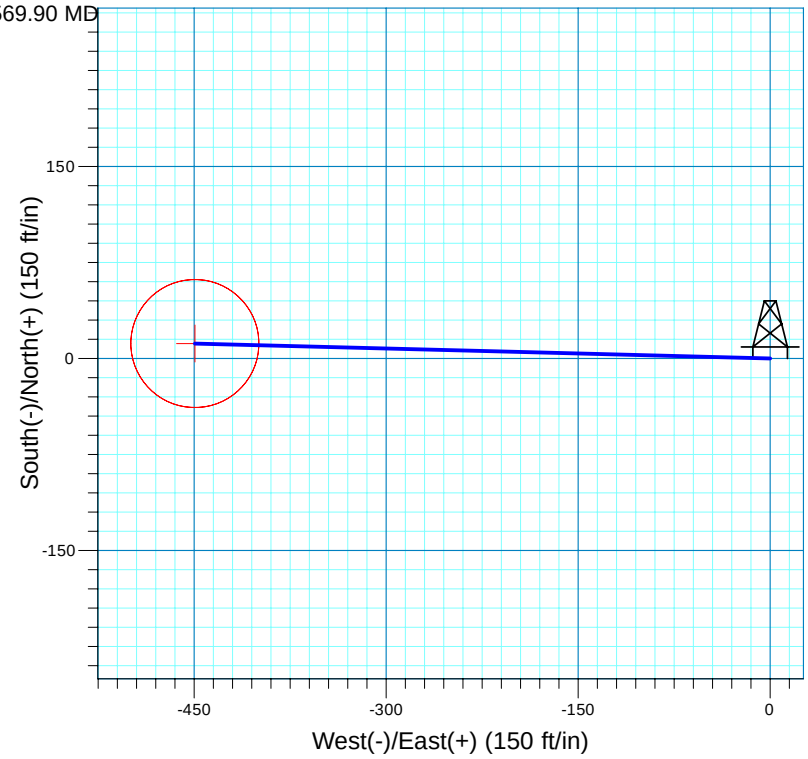
API Well Number: 43047521520000

# CWU 1565-26D

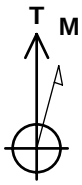
**Section 26 T9S R22E**
**Uintah County, UT**




| Surface Location | | | |
|---|---|---|---|
| NAD 1927 (NADCON CONUS) Utah North 4301 | | | |
| Ground Elevation: 5018.00 | | RIG KB @ 5037.00ft (TRUE 34 KB=19') | |
| Northing | Easting | Latitude | Longitude |
| -110319.56 | 2587388.02 | 40° 0' 39.920 N | 109° 24' 11.930 W |




Project: T9S-R22E Sec 26
Site: CWU 1560-1566 26D (Pad _CWU 1159-26_Set 15)
Well: 1565-26D
Plan: APD Plan




Azimuths to True North
Magnetic North: 11.20°

Magnetic Field
Strength: 52523.4snT
Dip Angle: 65.94°
Date: 12/31/2009
Model: IGRF200510

SECTION DETAILS

| Sec | MD | Inc | Azi | TVD | +N/-S | +E/-W | DLeg | TFace | VSec | Target |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 2 | 300.00 | 0.00 | 0.00 | 300.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 3 | 1033.33 | 11.00 | 271.49 | 1028.84 | 1.82 | -70.16 | 1.50 | 271.49 | 70.18 | |
| 4 | 2469.90 | 11.00 | 271.49 | 2439.01 | 8.94 | -344.17 | 0.00 | 0.00 | 344.29 | |
| 5 | 3569.90 | 0.00 | 0.00 | 3532.27 | 11.68 | -449.41 | 1.00 | 180.00 | 449.56 | |
| 6 | 9377.64 | 0.00 | 0.00 | 9340.00 | 11.68 | -449.41 | 0.00 | 0.00 | 449.56 | CWU 1565-26D |

TARGET DETAILS

| Name | TVD | +N/-S | +E/-W | Northing | Easting | Latitude | Longitude | Shape |
|---|---|---|---|---|---|---|---|---|
| CWU 1565-26D | 9340.00 | 11.68 | -449.41 | -110318.73 | 2586938.46 | 40° 0' 40.036 N | 109° 24' 17.705 W | Circle (Radius: 50.00) |

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# Denver Division - Utah

**T9S-R22E Sec 26**
**CWU 1560-1566 26D (Pad _CWU 1159-26_Set 15)**
**1565-26D**
**Wellbore #1**

**Plan: APD Plan**

# Standard Planning Report

**11 May, 2011**

**RECEIVED: November 03, 2011**

# EOG Resources Inc

## Planning Report

| | | | |
|---|---|---|---|
| **Database:** | EDM | **Local Co-ordinate Reference:** | Well 1565-26D |
| **Company:** | Denver Division - Utah | **TVD Reference:** | RIG KB @ 5037.00ft (TRUE 34 KB=19') |
| **Project:** | T9S-R22E Sec 26 | **MD Reference:** | RIG KB @ 5037.00ft (TRUE 34 KB=19') |
| **Site:** | CWU 1560-1566 26D (Pad _CWU 1159-26_Set 1 | **North Reference:** | True |
| **Well:** | 1565-26D | **Survey Calculation Method:** | Minimum Curvature |
| **Wellbore:** | Wellbore #1 | | |
| **Design:** | APD Plan | | |

**Project** T9S-R22E Sec 26

| | | | |
|---|---|---|---|
| **Map System:** | US State Plane 1927 (Exact solution) | **System Datum:** | Mean Sea Level |
| **Geo Datum:** | NAD 1927 (NADCON CONUS) | | |
| **Map Zone:** | Utah North 4301 | | |

**Site** CWU 1560-1566 26D (Pad _CWU 1159-26_Set 15)

| | | | | | |
|---|---|---|---|---|---|
| **Site Position:** | | **Northing:** | -110,379.52 ft | **Latitude:** | 40° 0' 39.370 N |
| **From:** | Lat/Long | **Easting:** | 2,587,213.46 ft | **Longitude:** | 109° 24' 14.191 W |
| **Position Uncertainty:** | 0.00 ft | **Slot Radius:** | " | **Grid Convergence:** | 1.38 deg |

**Well** 1565-26D, NEW WELL PUD=V46

| | | | | | | |
|---|---|---|---|---|---|---|
| **Well Position** | **+N/-S** | 0.00 ft | **Northing:** | -110,319.56 ft | **Latitude:** | 40° 0' 39.920 N |
| | **+E/-W** | 0.00 ft | **Easting:** | 2,587,388.02 ft | **Longitude:** | 109° 24' 11.930 W |
| **Position Uncertainty** | | 0.00 ft | **Wellhead Elevation:** | ft | **Ground Level:** | 5,018.00 ft |

**Wellbore** Wellbore #1

| Magnetics | Model Name | Sample Date | Declination (deg) | Dip Angle (deg) | Field Strength (nT) |
|---|---|---|---|---|---|
| | IGRF200510 | 12/31/2009 | 11.20 | 65.94 | 52,523 |

**Design** APD Plan

**Audit Notes:**

| | | | | | |
|---|---|---|---|---|---|
| **Version:** | | **Phase:** | PROTOTYPE | **Tie On Depth:** | 0.00 |

| Vertical Section: | Depth From (TVD) (ft) | +N/-S (ft) | +E/-W (ft) | Direction (deg) |
|---|---|---|---|---|
| | 0.00 | 0.00 | 0.00 | 271.49 |

**Plan Sections**

| Measured Depth (ft) | Inclination (deg) | Azimuth (deg) | Vertical Depth (ft) | +N/-S (ft) | +E/-W (ft) | Dogleg Rate (?/100ft) | Build Rate (?/100ft) | Turn Rate (?/100ft) | TFO (deg) | Target |
|---|---|---|---|---|---|---|---|---|---|---|
| 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 300.00 | 0.00 | 0.00 | 300.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 1,033.33 | 11.00 | 271.49 | 1,028.84 | 1.82 | -70.16 | 1.50 | 1.50 | 0.00 | 271.49 | |
| 2,469.90 | 11.00 | 271.49 | 2,439.01 | 8.94 | -344.17 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 3,569.90 | 0.00 | 0.00 | 3,532.27 | 11.68 | -449.41 | 1.00 | -1.00 | 0.00 | 180.00 | |
| 9,377.64 | 0.00 | 0.00 | 9,340.00 | 11.68 | -449.41 | 0.00 | 0.00 | 0.00 | 0.00 | CWU 1565-26D |



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# EOG Resources Inc

## Planning Report

| | | | |
|---|---|---|---|
| **Database:** | EDM | **Local Co-ordinate Reference:** | Well 1565-26D |
| **Company:** | Denver Division - Utah | **TVD Reference:** | RIG KB @ 5037.00ft (TRUE 34 KB=19') |
| **Project:** | T9S-R22E Sec 26 | **MD Reference:** | RIG KB @ 5037.00ft (TRUE 34 KB=19') |
| **Site:** | CWU 1560-1566 26D (Pad _CWU 1159-26_Set 1 | **North Reference:** | True |
| **Well:** | 1565-26D | **Survey Calculation Method:** | Minimum Curvature |
| **Wellbore:** | Wellbore #1 | | |
| **Design:** | APD Plan | | |

**Planned Survey**

| Measured Depth (ft) | Inclination (deg) | Azimuth (deg) | Vertical Depth (ft) | +N/-S (ft) | +E/-W (ft) | Vertical Section (ft) | Dogleg Rate (?/100ft) | Build Rate (?/100ft) | Turn Rate (?/100ft) |
|---|---|---|---|---|---|---|---|---|---|
| 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 100.00 | 0.00 | 0.00 | 100.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 200.00 | 0.00 | 0.00 | 200.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 300.00 | 0.00 | 0.00 | 300.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 400.00 | 1.50 | 271.49 | 399.99 | 0.03 | -1.31 | 1.31 | 1.50 | 1.50 | 0.00 |
| 500.00 | 3.00 | 271.49 | 499.91 | 0.14 | -5.23 | 5.23 | 1.50 | 1.50 | 0.00 |
| 600.00 | 4.50 | 271.49 | 599.69 | 0.31 | -11.77 | 11.77 | 1.50 | 1.50 | 0.00 |
| 700.00 | 6.00 | 271.49 | 699.27 | 0.54 | -20.92 | 20.92 | 1.50 | 1.50 | 0.00 |
| 800.00 | 7.50 | 271.49 | 798.57 | 0.85 | -32.67 | 32.68 | 1.50 | 1.50 | 0.00 |
| 900.00 | 9.00 | 271.49 | 897.54 | 1.22 | -47.01 | 47.03 | 1.50 | 1.50 | 0.00 |
| 1,000.00 | 10.50 | 271.49 | 996.09 | 1.66 | -63.94 | 63.96 | 1.50 | 1.50 | 0.00 |
| 1,033.33 | 11.00 | 271.49 | 1,028.84 | 1.82 | -70.16 | 70.18 | 1.50 | 1.50 | 0.00 |
| 1,100.00 | 11.00 | 271.49 | 1,094.28 | 2.15 | -82.87 | 82.90 | 0.00 | 0.00 | 0.00 |
| 1,200.00 | 11.00 | 271.49 | 1,192.44 | 2.65 | -101.95 | 101.98 | 0.00 | 0.00 | 0.00 |
| 1,300.00 | 11.00 | 271.49 | 1,290.60 | 3.14 | -121.02 | 121.06 | 0.00 | 0.00 | 0.00 |
| 1,400.00 | 11.00 | 271.49 | 1,388.77 | 3.64 | -140.09 | 140.14 | 0.00 | 0.00 | 0.00 |
| 1,500.00 | 11.00 | 271.49 | 1,486.93 | 4.14 | -159.17 | 159.22 | 0.00 | 0.00 | 0.00 |
| 1,600.00 | 11.00 | 271.49 | 1,585.09 | 4.63 | -178.24 | 178.30 | 0.00 | 0.00 | 0.00 |
| 1,700.00 | 11.00 | 271.49 | 1,683.25 | 5.13 | -197.32 | 197.38 | 0.00 | 0.00 | 0.00 |
| 1,800.00 | 11.00 | 271.49 | 1,781.42 | 5.62 | -216.39 | 216.47 | 0.00 | 0.00 | 0.00 |
| 1,900.00 | 11.00 | 271.49 | 1,879.58 | 6.12 | -235.47 | 235.55 | 0.00 | 0.00 | 0.00 |
| 2,000.00 | 11.00 | 271.49 | 1,977.74 | 6.61 | -254.54 | 254.63 | 0.00 | 0.00 | 0.00 |
| 2,100.00 | 11.00 | 271.49 | 2,075.91 | 7.11 | -273.62 | 273.71 | 0.00 | 0.00 | 0.00 |
| 2,200.00 | 11.00 | 271.49 | 2,174.07 | 7.60 | -292.69 | 292.79 | 0.00 | 0.00 | 0.00 |
| 2,300.00 | 11.00 | 271.49 | 2,272.23 | 8.10 | -311.77 | 311.87 | 0.00 | 0.00 | 0.00 |
| 2,400.00 | 11.00 | 271.49 | 2,370.39 | 8.60 | -330.84 | 330.95 | 0.00 | 0.00 | 0.00 |
| 2,469.90 | 11.00 | 271.49 | 2,439.01 | 8.94 | -344.17 | 344.29 | 0.00 | 0.00 | 0.00 |
| 2,500.00 | 10.70 | 271.49 | 2,468.57 | 9.09 | -349.84 | 349.95 | 1.00 | -1.00 | 0.00 |
| 2,600.00 | 9.70 | 271.49 | 2,566.99 | 9.55 | -367.54 | 367.66 | 1.00 | -1.00 | 0.00 |
| 2,700.00 | 8.70 | 271.49 | 2,665.70 | 9.96 | -383.52 | 383.65 | 1.00 | -1.00 | 0.00 |
| 2,800.00 | 7.70 | 271.49 | 2,764.68 | 10.34 | -397.77 | 397.91 | 1.00 | -1.00 | 0.00 |
| 2,900.00 | 6.70 | 271.49 | 2,863.89 | 10.66 | -410.30 | 410.44 | 1.00 | -1.00 | 0.00 |
| 3,000.00 | 5.70 | 271.49 | 2,963.30 | 10.94 | -421.10 | 421.24 | 1.00 | -1.00 | 0.00 |
| 3,100.00 | 4.70 | 271.49 | 3,062.89 | 11.18 | -430.15 | 430.30 | 1.00 | -1.00 | 0.00 |
| 3,200.00 | 3.70 | 271.49 | 3,162.62 | 11.37 | -437.47 | 437.62 | 1.00 | -1.00 | 0.00 |
| 3,300.00 | 2.70 | 271.49 | 3,262.46 | 11.51 | -443.05 | 443.20 | 1.00 | -1.00 | 0.00 |
| 3,400.00 | 1.70 | 271.49 | 3,362.39 | 11.61 | -446.89 | 447.04 | 1.00 | -1.00 | 0.00 |
| 3,500.00 | 0.70 | 271.49 | 3,462.37 | 11.67 | -448.98 | 449.13 | 1.00 | -1.00 | 0.00 |
| 3,569.90 | 0.00 | 0.00 | 3,532.27 | 11.68 | -449.41 | 449.56 | 1.00 | -1.00 | 0.00 |
| 3,600.00 | 0.00 | 0.00 | 3,562.36 | 11.68 | -449.41 | 449.56 | 0.00 | 0.00 | 0.00 |
| 3,700.00 | 0.00 | 0.00 | 3,662.36 | 11.68 | -449.41 | 449.56 | 0.00 | 0.00 | 0.00 |
| 3,800.00 | 0.00 | 0.00 | 3,762.36 | 11.68 | -449.41 | 449.56 | 0.00 | 0.00 | 0.00 |
| 3,900.00 | 0.00 | 0.00 | 3,862.36 | 11.68 | -449.41 | 449.56 | 0.00 | 0.00 | 0.00 |
| 4,000.00 | 0.00 | 0.00 | 3,962.36 | 11.68 | -449.41 | 449.56 | 0.00 | 0.00 | 0.00 |
| 4,100.00 | 0.00 | 0.00 | 4,062.36 | 11.68 | -449.41 | 449.56 | 0.00 | 0.00 | 0.00 |
| 4,200.00 | 0.00 | 0.00 | 4,162.36 | 11.68 | -449.41 | 449.56 | 0.00 | 0.00 | 0.00 |
| 4,300.00 | 0.00 | 0.00 | 4,262.36 | 11.68 | -449.41 | 449.56 | 0.00 | 0.00 | 0.00 |
| 4,400.00 | 0.00 | 0.00 | 4,362.36 | 11.68 | -449.41 | 449.56 | 0.00 | 0.00 | 0.00 |
| 4,500.00 | 0.00 | 0.00 | 4,462.36 | 11.68 | -449.41 | 449.56 | 0.00 | 0.00 | 0.00 |
| 4,600.00 | 0.00 | 0.00 | 4,562.36 | 11.68 | -449.41 | 449.56 | 0.00 | 0.00 | 0.00 |
| 4,700.00 | 0.00 | 0.00 | 4,662.36 | 11.68 | -449.41 | 449.56 | 0.00 | 0.00 | 0.00 |
| 4,800.00 | 0.00 | 0.00 | 4,762.36 | 11.68 | -449.41 | 449.56 | 0.00 | 0.00 | 0.00 |
| 4,900.00 | 0.00 | 0.00 | 4,862.36 | 11.68 | -449.41 | 449.56 | 0.00 | 0.00 | 0.00 |
| 5,000.00 | 0.00 | 0.00 | 4,962.36 | 11.68 | -449.41 | 449.56 | 0.00 | 0.00 | 0.00 |



**RECEIVED: November 03, 2011**

# EOG Resources Inc

## Planning Report

| | | | |
|---|---|---|---|
| **Database:** | EDM | **Local Co-ordinate Reference:** | Well 1565-26D |
| **Company:** | Denver Division - Utah | **TVD Reference:** | RIG KB @ 5037.00ft (TRUE 34 KB=19') |
| **Project:** | T9S-R22E Sec 26 | **MD Reference:** | RIG KB @ 5037.00ft (TRUE 34 KB=19') |
| **Site:** | CWU 1560-1566 26D (Pad _CWU 1159-26_Set 1 | **North Reference:** | True |
| **Well:** | 1565-26D | **Survey Calculation Method:** | Minimum Curvature |
| **Wellbore:** | Wellbore #1 | | |
| **Design:** | APD Plan | | |

**Planned Survey**

| Measured Depth (ft) | Inclination (deg) | Azimuth (deg) | Vertical Depth (ft) | +N/-S (ft) | +E/-W (ft) | Vertical Section (ft) | Dogleg Rate (?/100ft) | Build Rate (?/100ft) | Turn Rate (?/100ft) |
|---|---|---|---|---|---|---|---|---|---|
| 5,100.00 | 0.00 | 0.00 | 5,062.36 | 11.68 | -449.41 | 449.56 | 0.00 | 0.00 | 0.00 |
| 5,200.00 | 0.00 | 0.00 | 5,162.36 | 11.68 | -449.41 | 449.56 | 0.00 | 0.00 | 0.00 |
| 5,300.00 | 0.00 | 0.00 | 5,262.36 | 11.68 | -449.41 | 449.56 | 0.00 | 0.00 | 0.00 |
| 5,400.00 | 0.00 | 0.00 | 5,362.36 | 11.68 | -449.41 | 449.56 | 0.00 | 0.00 | 0.00 |
| 5,500.00 | 0.00 | 0.00 | 5,462.36 | 11.68 | -449.41 | 449.56 | 0.00 | 0.00 | 0.00 |
| 5,600.00 | 0.00 | 0.00 | 5,562.36 | 11.68 | -449.41 | 449.56 | 0.00 | 0.00 | 0.00 |
| 5,700.00 | 0.00 | 0.00 | 5,662.36 | 11.68 | -449.41 | 449.56 | 0.00 | 0.00 | 0.00 |
| 5,800.00 | 0.00 | 0.00 | 5,762.36 | 11.68 | -449.41 | 449.56 | 0.00 | 0.00 | 0.00 |
| 5,900.00 | 0.00 | 0.00 | 5,862.36 | 11.68 | -449.41 | 449.56 | 0.00 | 0.00 | 0.00 |
| 6,000.00 | 0.00 | 0.00 | 5,962.36 | 11.68 | -449.41 | 449.56 | 0.00 | 0.00 | 0.00 |
| 6,100.00 | 0.00 | 0.00 | 6,062.36 | 11.68 | -449.41 | 449.56 | 0.00 | 0.00 | 0.00 |
| 6,200.00 | 0.00 | 0.00 | 6,162.36 | 11.68 | -449.41 | 449.56 | 0.00 | 0.00 | 0.00 |
| 6,300.00 | 0.00 | 0.00 | 6,262.36 | 11.68 | -449.41 | 449.56 | 0.00 | 0.00 | 0.00 |
| 6,400.00 | 0.00 | 0.00 | 6,362.36 | 11.68 | -449.41 | 449.56 | 0.00 | 0.00 | 0.00 |
| 6,500.00 | 0.00 | 0.00 | 6,462.36 | 11.68 | -449.41 | 449.56 | 0.00 | 0.00 | 0.00 |
| 6,600.00 | 0.00 | 0.00 | 6,562.36 | 11.68 | -449.41 | 449.56 | 0.00 | 0.00 | 0.00 |
| 6,700.00 | 0.00 | 0.00 | 6,662.36 | 11.68 | -449.41 | 449.56 | 0.00 | 0.00 | 0.00 |
| 6,800.00 | 0.00 | 0.00 | 6,762.36 | 11.68 | -449.41 | 449.56 | 0.00 | 0.00 | 0.00 |
| 6,900.00 | 0.00 | 0.00 | 6,862.36 | 11.68 | -449.41 | 449.56 | 0.00 | 0.00 | 0.00 |
| 7,000.00 | 0.00 | 0.00 | 6,962.36 | 11.68 | -449.41 | 449.56 | 0.00 | 0.00 | 0.00 |
| 7,100.00 | 0.00 | 0.00 | 7,062.36 | 11.68 | -449.41 | 449.56 | 0.00 | 0.00 | 0.00 |
| 7,200.00 | 0.00 | 0.00 | 7,162.36 | 11.68 | -449.41 | 449.56 | 0.00 | 0.00 | 0.00 |
| 7,300.00 | 0.00 | 0.00 | 7,262.36 | 11.68 | -449.41 | 449.56 | 0.00 | 0.00 | 0.00 |
| 7,400.00 | 0.00 | 0.00 | 7,362.36 | 11.68 | -449.41 | 449.56 | 0.00 | 0.00 | 0.00 |
| 7,500.00 | 0.00 | 0.00 | 7,462.36 | 11.68 | -449.41 | 449.56 | 0.00 | 0.00 | 0.00 |
| 7,600.00 | 0.00 | 0.00 | 7,562.36 | 11.68 | -449.41 | 449.56 | 0.00 | 0.00 | 0.00 |
| 7,700.00 | 0.00 | 0.00 | 7,662.36 | 11.68 | -449.41 | 449.56 | 0.00 | 0.00 | 0.00 |
| 7,800.00 | 0.00 | 0.00 | 7,762.36 | 11.68 | -449.41 | 449.56 | 0.00 | 0.00 | 0.00 |
| 7,900.00 | 0.00 | 0.00 | 7,862.36 | 11.68 | -449.41 | 449.56 | 0.00 | 0.00 | 0.00 |
| 8,000.00 | 0.00 | 0.00 | 7,962.36 | 11.68 | -449.41 | 449.56 | 0.00 | 0.00 | 0.00 |
| 8,100.00 | 0.00 | 0.00 | 8,062.36 | 11.68 | -449.41 | 449.56 | 0.00 | 0.00 | 0.00 |
| 8,200.00 | 0.00 | 0.00 | 8,162.36 | 11.68 | -449.41 | 449.56 | 0.00 | 0.00 | 0.00 |
| 8,300.00 | 0.00 | 0.00 | 8,262.36 | 11.68 | -449.41 | 449.56 | 0.00 | 0.00 | 0.00 |
| 8,400.00 | 0.00 | 0.00 | 8,362.36 | 11.68 | -449.41 | 449.56 | 0.00 | 0.00 | 0.00 |
| 8,500.00 | 0.00 | 0.00 | 8,462.36 | 11.68 | -449.41 | 449.56 | 0.00 | 0.00 | 0.00 |
| 8,600.00 | 0.00 | 0.00 | 8,562.36 | 11.68 | -449.41 | 449.56 | 0.00 | 0.00 | 0.00 |
| 8,700.00 | 0.00 | 0.00 | 8,662.36 | 11.68 | -449.41 | 449.56 | 0.00 | 0.00 | 0.00 |
| 8,800.00 | 0.00 | 0.00 | 8,762.36 | 11.68 | -449.41 | 449.56 | 0.00 | 0.00 | 0.00 |
| 8,900.00 | 0.00 | 0.00 | 8,862.36 | 11.68 | -449.41 | 449.56 | 0.00 | 0.00 | 0.00 |
| 9,000.00 | 0.00 | 0.00 | 8,962.36 | 11.68 | -449.41 | 449.56 | 0.00 | 0.00 | 0.00 |
| 9,100.00 | 0.00 | 0.00 | 9,062.36 | 11.68 | -449.41 | 449.56 | 0.00 | 0.00 | 0.00 |
| 9,200.00 | 0.00 | 0.00 | 9,162.36 | 11.68 | -449.41 | 449.56 | 0.00 | 0.00 | 0.00 |
| 9,300.00 | 0.00 | 0.00 | 9,262.36 | 11.68 | -449.41 | 449.56 | 0.00 | 0.00 | 0.00 |
| 9,377.64 | 0.00 | 0.00 | 9,340.00 | 11.68 | -449.41 | 449.56 | 0.00 | 0.00 | 0.00 |

**CWU 1565-26D**



**RECEIVED: November 03, 2011**

# EOG Resources Inc

## Planning Report

| | | | |
|---|---|---|---|
| **Database:** | EDM | **Local Co-ordinate Reference:** | Well 1565-26D |
| **Company:** | Denver Division - Utah | **TVD Reference:** | RIG KB @ 5037.00ft (TRUE 34 KB=19') |
| **Project:** | T9S-R22E Sec 26 | **MD Reference:** | RIG KB @ 5037.00ft (TRUE 34 KB=19') |
| **Site:** | CWU 1560-1566 26D (Pad _CWU 1159-26_Set 1 | **North Reference:** | True |
| **Well:** | 1565-26D | **Survey Calculation Method:** | Minimum Curvature |
| **Wellbore:** | Wellbore #1 | | |
| **Design:** | APD Plan | | |

**Targets**

| Target Name<br>- hit/miss target<br>- Shape | Dip Angle (deg) | Dip Dir. (deg) | TVD (ft) | +N/-S (ft) | +E/-W (ft) | Northing (ft) | Easting (ft) | Latitude | Longitude |
|---|---|---|---|---|---|---|---|---|---|
| CWU 1565-26D<br>- plan hits target center<br>- Circle (radius 50.00) | 0.00 | 0.00 | 9,340.00 | 11.68 | -449.41 | -110,318.73 | 2,586,938.46 | 40° 0' 40.036 N | 109° 24' 17.705 W |



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# *Chapita Wells Unit 1560-26D, 1561-26D, 1562-26D, 1563-26D, 1564-26D, 1565-26D, 1566-26D*
# *NW/NE, Section 26, T9S, R22E*
# *Uintah County, Utah*

## *SURFACE USE PLAN*

**The well pad is approximately 410 feet long with a 250-foot width, containing 2.35 acres more or less. New surface disturbance associated with the well pad is estimated to be approximately 1.75 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 50.9 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. No new access road will be required; existing access road for the Chapita Wells Unit 1159-26 and Chapita Wells Unit 346-26N will be utilized. See attached Topo B.

B. No turnouts will be required.

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

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

E. 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.

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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.

## 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, four to six (4-6) 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. No off well pad pipeline will be required. The existing pipeline for producing Chapita Wells Unit 1159-26 and Chapita Wells Unit 346-26 will be used.

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

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5. Proposed pipeline will be laid on surface.

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

Containment berms will be constructed completely around production facilities designed to hold fluids (i.e., production tanks, produced water tanks, and/or heater/treater). The containment berms will be constructed of compacted subsoil, be sufficiently impervious, hold 110 percent of the capacity of the largest tank, and be independent of the back cut.

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.** 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 from Ouray Municipal Water Plant at Ouray, Utah, and/or 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.

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

### *A. METHODS AND LOCATION*

1. Cuttings will be confined and dried in a cuttings pit. Dried cuttings shall be spread on the access road.

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 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, 6, or 7, or Coyote Evaporation Ponds 1, 2, 3, or 4, or White River Evaporation Ponds 1, or 2, or Hoss SWD Facility: right-of-way UTU 86010, and UTU 897093, 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 natural or artificial evaporation methods, or removed and disposed of at an authorized disposal site. Introduction of well bore hydrocarbons to the closed loop system will be avoided by flaring them off in the flare pit at the time of recovery.

The referenced well will be drilled utilizing a closed loop system. The closed loop system will be installed in a manner that prevents leaks, breaks, or discharge. Drill cutting will be contained in an area approximately 50’ x 100’. The surface drill cuttings pile will be bermed and lined with bentonite. Drill cuttings will be dried and spread on the location and access road. 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

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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 proposed location will be drilled utilizing a closed loop system.

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 seeded with the approved seed mixture from this.

Access to the well pad will be from the east.

The northeast and northwest corner of the well pad will be rounded off to minimize excavation.

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## *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 portion of the location not needed for production facilities/operations will be reclaimed – See attached Figure #3.

The stockpiled topsoil will then be spread over closed loop area (See Figure #4) and broadcast seeded with the prescribed seed mixture for this location as authorized within EOG's reclamation plan filed September 29, 2009.

### *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 appropriate surface rehabilitation conditions of approval.

## *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.

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- 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, as needed, to help facilitate compaction during construction and to minimize soil loss as a result of wind erosion.

A block cultural resources survey was conducted and submitted by Montgomery Archaeological Consultants, State of Utah Antiquities Permit No. U-07-MQ-0201b, on June 2, 2007. A paleontological survey was conducted and submitted by Intermountain Paleo, IPC

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Report # 11-120, on August 22, 2011. A Uintah Basin Hookless Cactus (Sclearochactus Wetlandicus) survey was conducted and will be submitted by Graslands.

**Additional Surface Stipulations:**

None

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

**PERMITTING AGENT**
Nanette Lupcho
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.

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**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 Chapita Wells Unit 1560-26D, 1561-26D, 1562-26D, 1563-26D, 1564-26D, 1565-26D, 1566-26D Wells, located in the NWNE, of Section 26, T9S, R22E, 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.

October 26, 2011 _____
Date

Nanette Lupcho, Regulatory Assistant

Onsite Date: September 28, 2011

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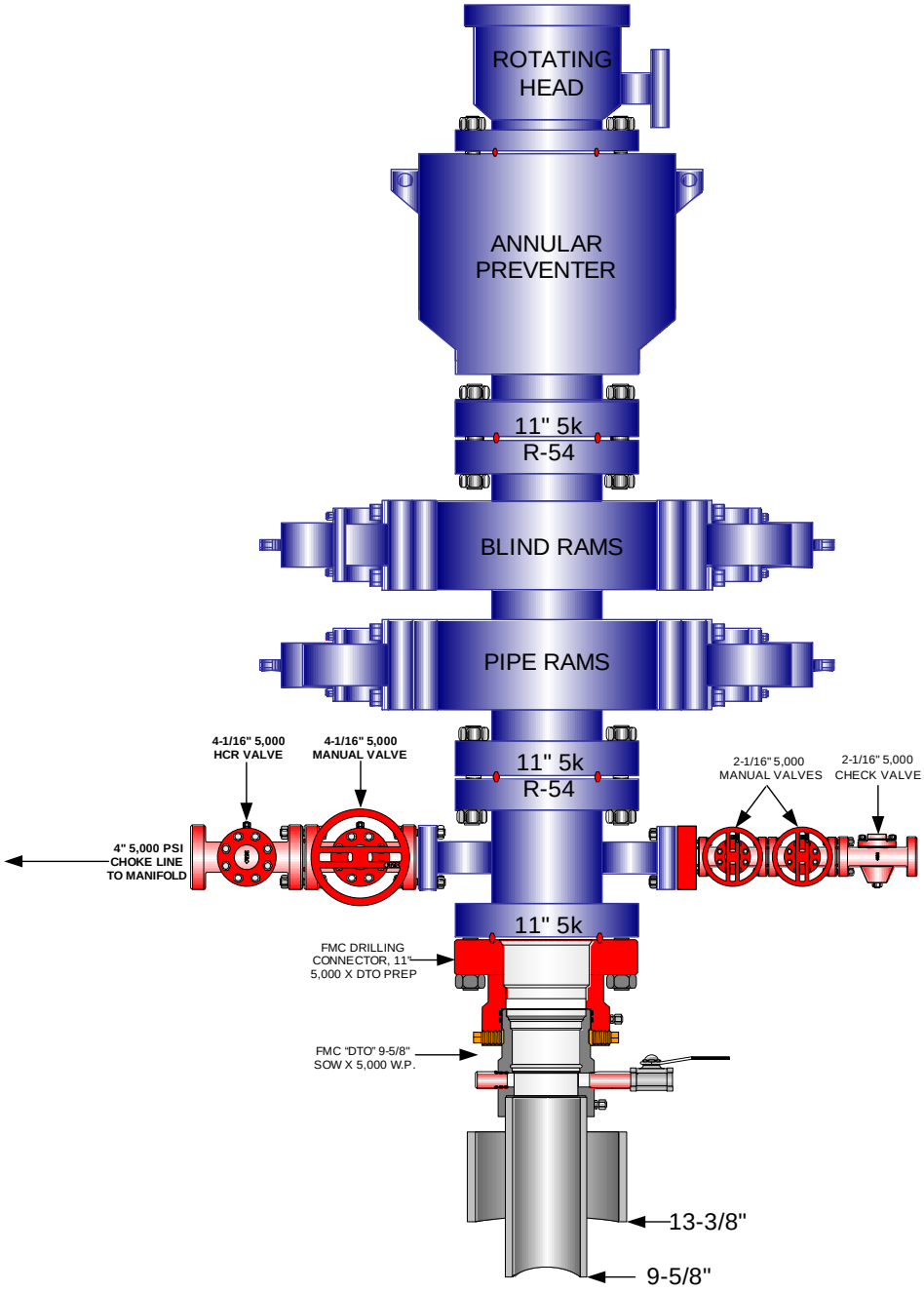
**EOG RESOURCES 11" 5,000 PSI W.P. BOP CONFIGURATION**



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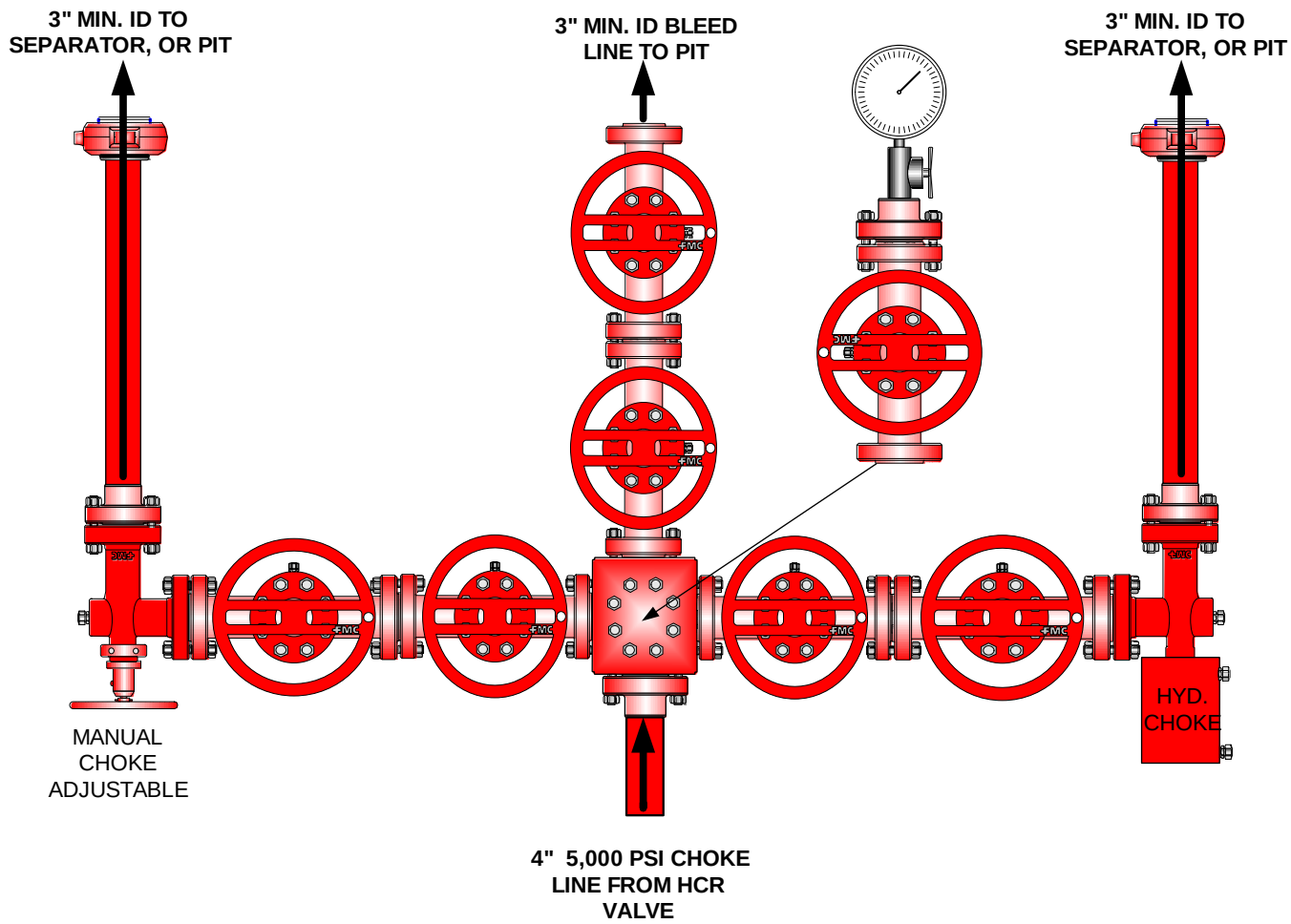
# EOG RESOURCES CHOKE MANIFOLD CONFIGURATION W/ 5,000 PSI WP VALVES






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.

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# EOG RESOURCES, INC.

## CWU #1560-26D, #1561-26D, #1562-26D, #1563-26D, #1564-26D, #1565-26D & #1566-26D

**LOCATED IN UINTAH COUNTY, UTAH**
**SECTION 26, T9S, R22E, S.L.B.&M.**

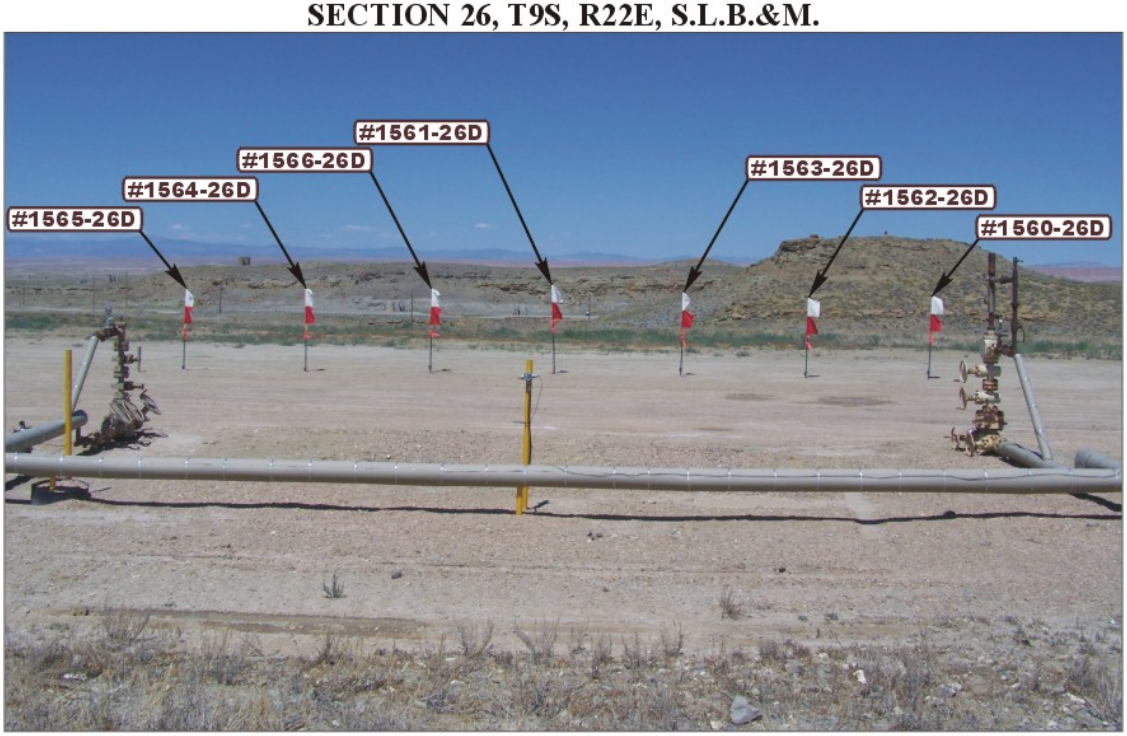



PHOTO: VIEW OF LOCATION STAKES — CAMERA ANGLE: NORTHERLY

PHOTO: VIEW OF EXISTING ACCESS — CAMERA ANGLE: WESTERLY

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

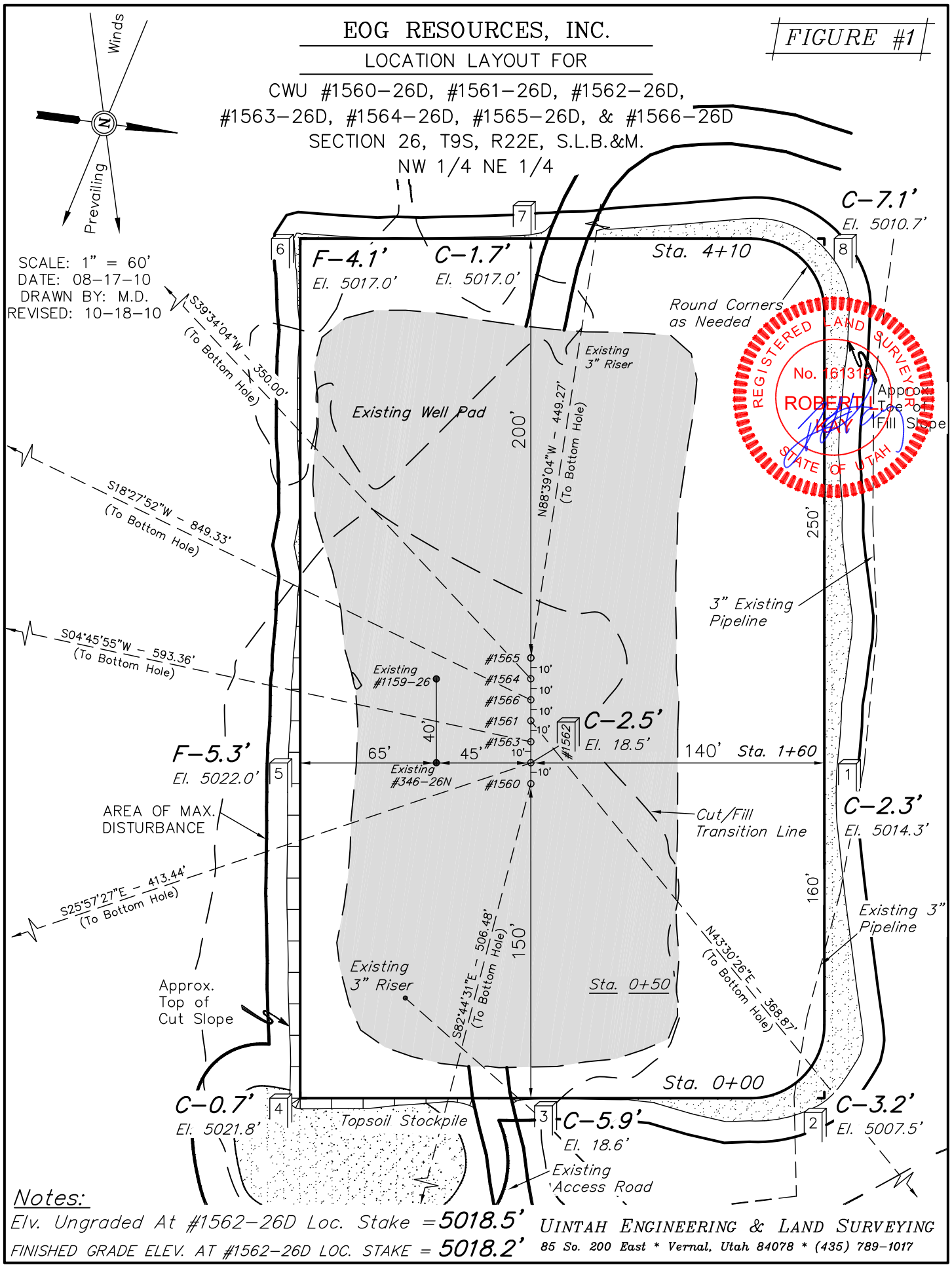
| LOCATION PHOTOS | 08 MONTH | 26 DAY | 10 YEAR | PHOTO |
|---|---|---|---|---|
| TAKEN BY: B.B. | DRAWN BY: Z.L. | REVISED: 00-00-00 | | |

# EOG RESOURCES, INC.

LOCATION LAYOUT FOR

CWU #1560–26D, #1561–26D, #1562–26D,
#1563–26D, #1564–26D, #1565–26D, & #1566–26D
SECTION 26, T9S, R22E, S.L.B.&M.
NW 1/4 NE 1/4

FIGURE #1




Notes:

Elv. Ungraded At #1562–26D Loc. Stake = 5018.5'

FINISHED GRADE ELEV. AT #1562–26D LOC. STAKE = 5018.2'

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

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1" = 40'
X-Section Scale
1" = 100'

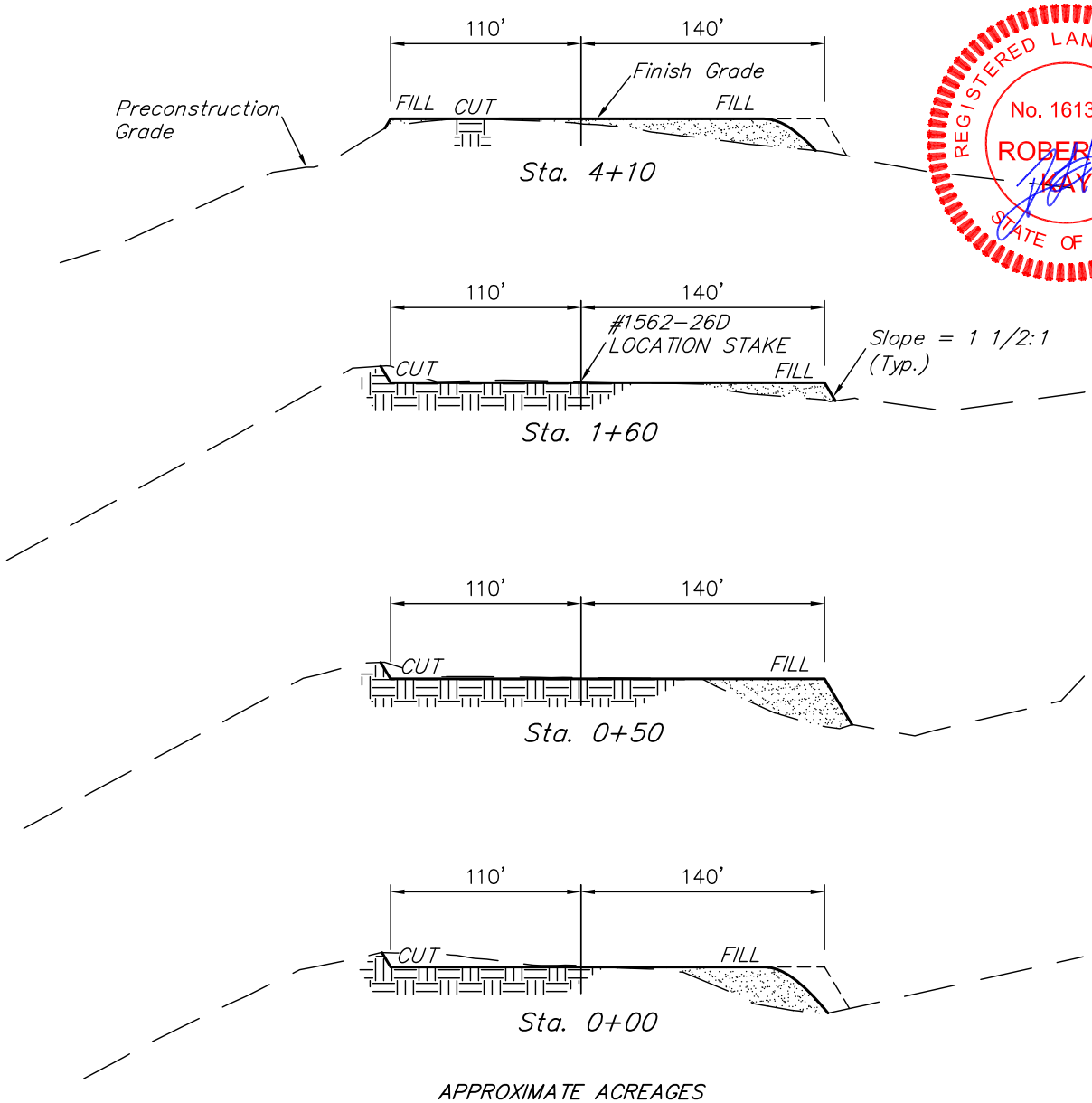
DATE: 08-18-10
DRAWN BY: M.D.

# EOG RESOURCES, INC.

## TYPICAL CROSS SECTION FOR

CWU #1560-26D, #1561-26D, #1562-26D,
#1563-26D, #1564-26D, #1565-26D, & #1566-26D
SECTION 26, T9S, R22E, S.L.B.&M.
NW 1/4 NE 1/4

FIGURE #2




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

APPROXIMATE ACREAGES

EXISTING DISTURBANCE = ± 1.309 ACRES
NEW DISTURBANCE = ± 1.750 ACRES
TOTAL = ± 3.059 ACRES

* NOTE:
FILL QUANTITY INCLUDES 5% FOR COMPACTION

(Obtain Deficit Material from Approved Borrow Area)

APPROXIMATE YARDAGES

| | | |
|---|---|---|
| (6") Topsoil Stripping (New Construction Only) | = | 830 Cu. Yds. |
| Remaining Location | = | 400 Cu. Yds. |
| TOTAL CUT | = | 1,230 CU.YDS. |
| FILL | = | 7,620 CU.YDS. |

| | | |
|---|---|---|
| EXCESS MATERIAL (FILL) | = | <6,390> Cu. Yds. |
| Topsoil | = | 830 Cu. Yds. |
| EXCESS UNBALANCE (FILL) (After Interim Rehabilitation) | = | <7,220> Cu. Yds. |

UINTAH ENGINEERING & LAND SURVEYING
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# EOG RESOURCES, INC.

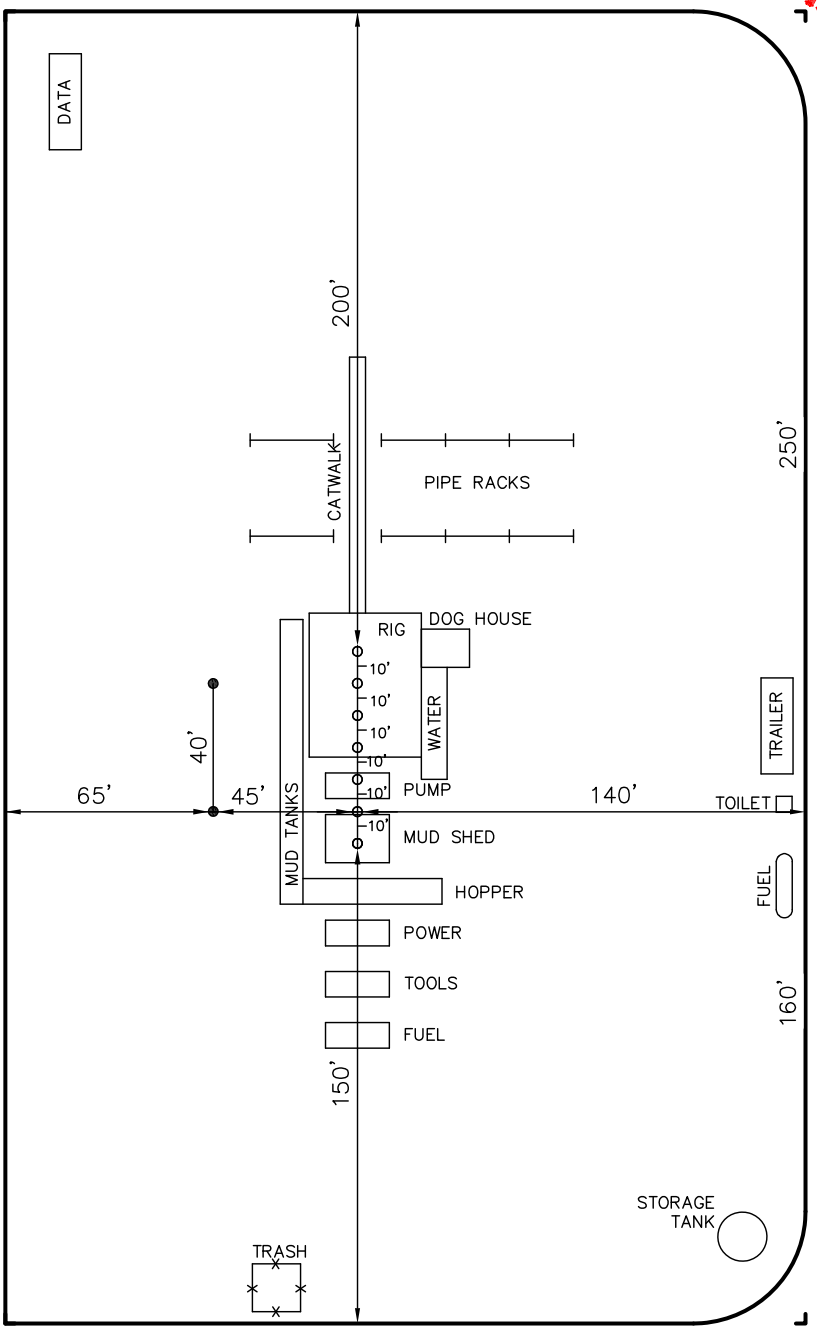
## TYPICAL RIG LAYOUT FOR

CWU #1560–26D, #1561–26D, #1562–26D,
#1563–26D, #1564–26D, #1565–26D, & #1566–26D
SECTION 26, T9S, R22E, S.L.B.&M.
NW 1/4 NE 1/4

FIGURE #3

SCALE: 1" = 60'
DATE: 08–18–10
DRAWN BY: M.D.

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

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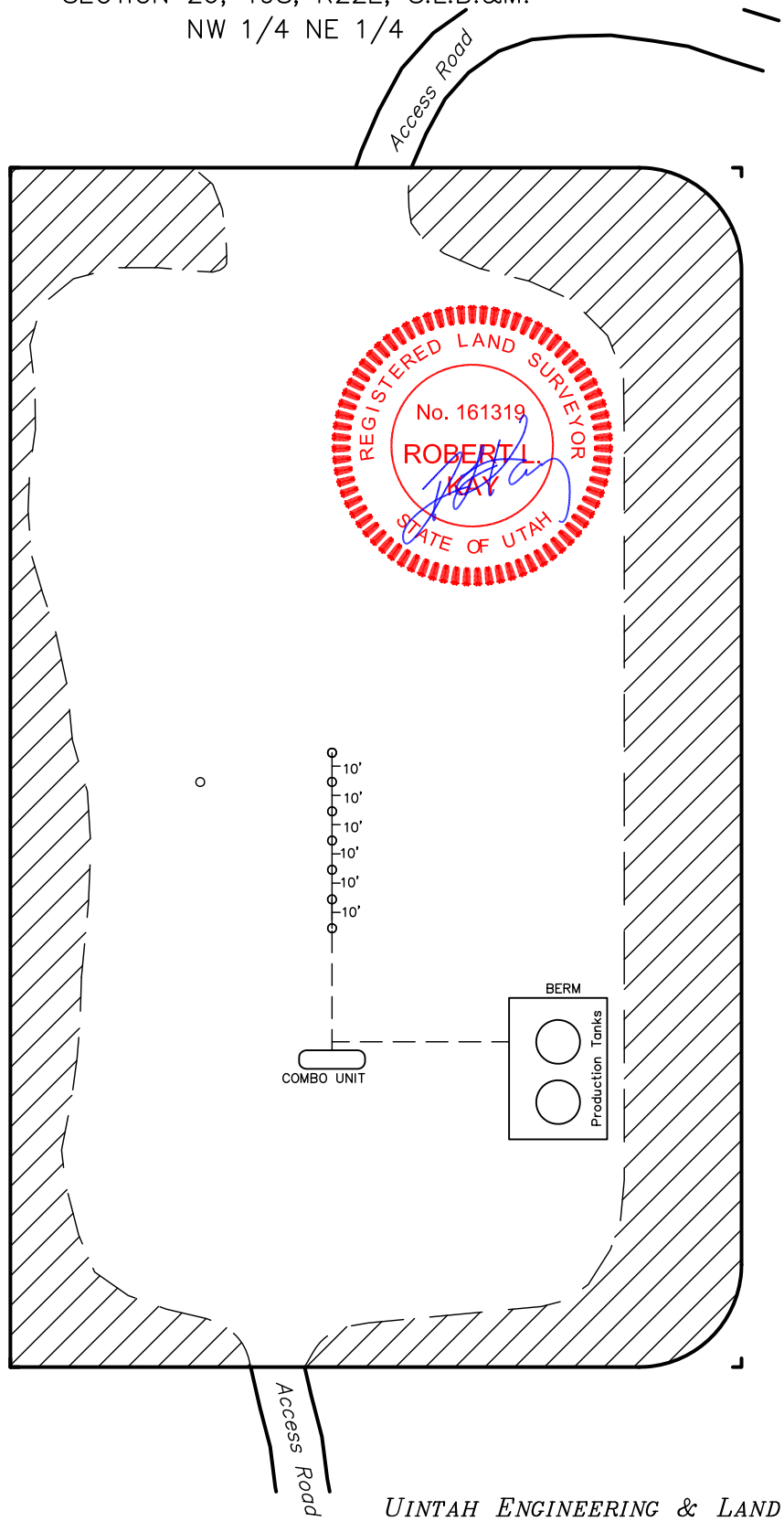
# EOG RESOURCES, INC.

FIGURE #4

PRODUCTION FACILITY LAYOUT FOR

CWU #1560–26D, #1561–26D, #1562–26D,
#1563–26D, #1564–26D, #1565–26D, & #1566–26D
SECTION 26, T9S, R22E, S.L.B.&M.
NW 1/4 NE 1/4

SCALE: 1" = 60'
DATE: 08–18–10
DRAWN BY: M.D.




RE–HABBED AREA

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# EOG RESOURCES, INC.
## CWU #1560-26D, #1561-26D, #1562-26D, #1563-26D, #1564-26D, #1565-26D & #1566-26D
## SECTION 26, T9S, R22E, S.L.B.&M.

PROCEED IN A WESTERLY DIRECTION FROM VERNAL, UTAH ALONG U.S. HIGHWAY 40 APPROXIMATELY 14.0 MILES TO THE JUNCTION OF STATE HIGHWAY 88; EXIT LEFT AND PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 17.0 MILES TO OURAY, UTAH; PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 0.3 MILES ON THE SEEP RIDGE ROAD TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE EAST; TURN LEFT AND PROCEED IN AN EASTERLY DIRECTION APPROXIMATELY 12.3 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTH; TURN RIGHT AND PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 1.7 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE EAST; TURN LEFT AND PROCEED IN AN EASTERLY DIRECTION APPROXIMATELY 1.9 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTHEAST; TURN LEFT AND PROCEED IN A SOUTHEASTERLY DIRECTION APPROXIMATELY 0.5 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE EAST; TURN LEFT AND PROCEED IN AN EASTERLY, THEN SOUTHEASTERLY DIRECTION APPROXIMATELY 1.9 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTH; TURN RIGHT AND PROCEED IN A SOUTHERLY, THEN SOUTHWESTERLY DIRECTION APPROXIMATELY 0.9 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTHEAST; TURN LEFT AND PROCEED IN A SOUTHEASTERLY DIRECTION APPROXIMATELY 350' TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTHWEST; TURN RIGHT AND PROCEED IN A SOUTHWESTERLY DIRECTION APPROXIMATELY 0.1 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTHWEST; TURN LEFT AND PROCEED IN A SOUTHWESTERLY DIRECTION APPROXIMATELY 0.2 MILES TO THE PROPOSED LOCATION.

TOTAL DISTANCE FROM VERNAL, UTAH TO THE PROPOSED WELL LOCATION IS APPROXIMATELY 50.9 MILES.

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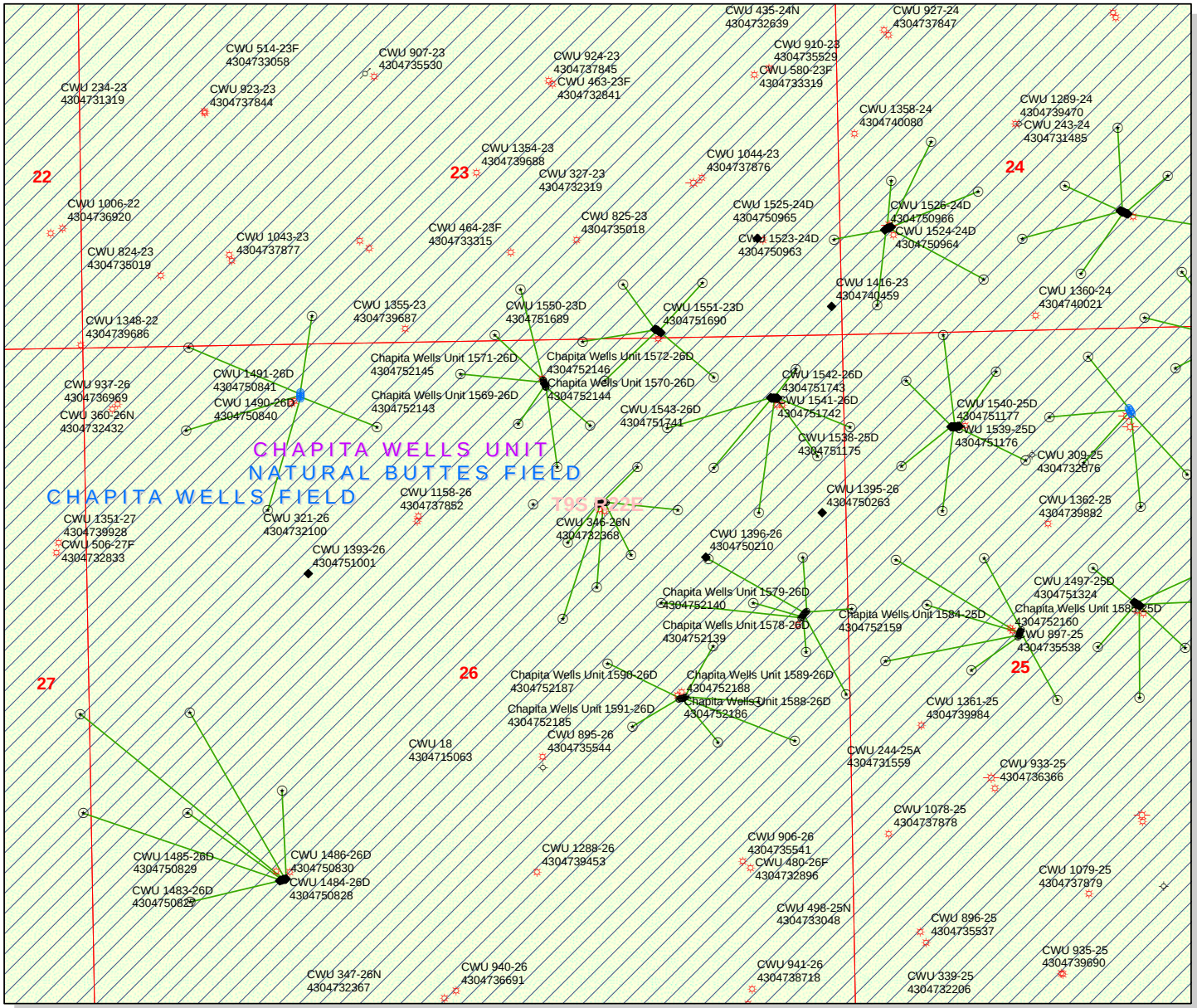
API Well Number: 43047521520000




**API Number: 4304752152**

**Well Name: Chapita Wells Unit 1565-26D**

**Township T0.9 . Range R2.2 . 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 GEOTHERML
- PP OIL
- SECONDARY
- TERMINATED

**Fields**
**STATUS**
- Unknown
- ABANDONED
- ACTIVE
- COMBINED
- INACTIVE
- STORAGE
- TERMINATED

**Wells Query**
**Status**
- APD - Aproved Permit
- DRL - Spuded (Drilling Commenced)
- GIW - Gas Injection
- GS - Gas Storage
- LA - Location Abandoned
- LOC - New Location
- OPS - Operation Suspended
- PA - Plugged Abandoned
- PGW - Producing Gas Well
- POW - Producing Oil Well
- RET - Returned APD
- SGW - Shut-in Gas Well
- SOW - Shut-in Oil Well
- TA - Temp. Abandoned
- TW - Test Well
- WDW - Water Disposal
- WIW - Water Injection Well
- WSW - Water Supply Well

880 440 0 880 Feet

1:8,646

**RECEIVED: November 15, 2011**

# United States Department of the Interior

BUREAU OF LAND MANAGEMENT
**Utah State Office**
**P.O. Box 45155**
**Salt Lake City, Utah 84145-0155**

**IN REPLY REFER TO:**
**3160**
**(UT-922)**

November 4, 2011

Memorandum

To: Assistant District Manager Minerals, Vernal District

From: Michael Coulthard, Petroleum Engineer

Subject: 2011 Plan of Development Chapita Wells Unit
Uintah County, Utah.

Pursuant to email between Diana Whitney, Division of Oil, Gas and Mining, and Mickey Coulthard, Utah State Office, Bureau of Land Management, the following wells are planned for calendar year 2011 within the Chapita Wells Unit, Uintah County, Utah.

| API # | WELL NAME | LOCATION |
|---|---|---|

(Proposed PZ MESA VERDE)

**PAD SENE 26**

43-047-52134 CWU 1573-26D Sec 26 T09S R22E 1987 FNL 0341 FEL
BHL Sec 26 T09S R22E 1860 FNL 1318 FEL

43-047-52135 CWU 1574-26D Sec 26 T09S R22E 1980 FNL 0335 FEL
BHL Sec 26 T09S R22E 1873 FNL 0676 FEL

43-047-52136 CWU 1575-26D Sec 26 T09S R22E 1958 FNL 0315 FEL
BHL Sec 26 T09S R22E 1563 FNL 0979 FEL

43-047-52137 CWU 1576-26D Sec 26 T09S R22E 1943 FNL 0301 FEL
BHL Sec 26 T09S R22E 1566 FNL 0322 FEL

43-047-52138 CWU 1577-26D Sec 26 T09S R22E 1950 FNL 0308 FEL
BHL Sec 25 T09S R22E 1933 FNL 0014 FWL

43-047-52139 CWU 1578-26D Sec 26 T09S R22E 1972 FNL 0328 FEL
BHL Sec 26 T09S R22E 2228 FNL 0309 FEL

43-047-52140 CWU 1579-26D Sec 26 T09S R22E 1965 FNL 0321 FEL
BHL Sec 26 T09S R22E 2529 FNL 0033 FEL

**PAD NWNE 26**

43-047-52141 CWU 1567-26D Sec 26 T09S R22E 0331 FNL 2103 FEL
BHL Sec 26 T09S R22E 0611 FNL 1794 FEL

43-047-52142 CWU 1568-26D Sec 26 T09S R22E 0340 FNL 2100 FEL
BHL Sec 26 T09S R22E 0894 FNL 2030 FEL

**RECEIVED: November 15, 2011**

| API # | WELL NAME | LOCATION |
|---|---|---|

(Proposed PZ MESA VERDE)

**PAD NWNE 26**

43-047-52143 CWU 1569-26D Sec 26 T09S R22E 0321 FNL 2106 FEL
BHL Sec 26 T09S R22E 0591 FNL 2295 FEL

43-047-52144 CWU 1570-26D Sec 26 T09S R22E 0302 FNL 2112 FEL
BHL Sec 26 T09S R22E 0229 FNL 2623 FWL

43-047-52145 CWU 1571-26D Sec 26 T09S R22E 0293 FNL 2115 FEL
BHL Sec 23 T09S R22E 0038 FSL 2450 FEL

43-047-52146 CWU 1572-26D Sec 26 T09S R22E 0283 FNL 2118 FEL
BHL Sec 23 T09S R22E 0352 FSL 2263 FEL

**PAD NWNE(2)26**

43-047-52147 CWU 1560-26D Sec 26 T09S R22E 1152 FNL 1692 FEL
BHL Sec 26 T09S R22E 1216 FNL 1190 FEL

43-047-52148 CWU 1561-26D Sec 26 T09S R22E 1156 FNL 1722 FEL
BHL Sec 26 T09S R22E 0909 FNL 1467 FEL

43-047-52149 CWU 1562-26D Sec 26 T09S R22E 1153 FNL 1702 FEL
BHL Sec 26 T09S R22E 1525 FNL 1522 FEL

43-047-52150 CWU 1563-26D Sec 26 T09S R22E 1154 FNL 1712 FEL
BHL Sec 26 T09S R22E 1746 FNL 1763 FEL

43-047-52152 CWU 1565-26D Sec 26 T09S R22E 1160 FNL 1751 FEL
BHL Sec 26 T09S R22E 1149 FNL 2200 FEL

**PAD SWNW 25**

43-047-52155 CWU 1581-25D Sec 25 T09S R22E 2134 FNL 1182 FWL
BHL Sec 25 T09S R22E 1595 FNL 0328 FWL

43-047-52156 CWU 1580-25D Sec 25 T09S R22E 2125 FNL 1186 FWL
BHL Sec 25 T09S R22E 1918 FNL 0540 FWL

43-047-52157 CWU 1582-25D Sec 25 T09S R22E 2107 FNL 1195 FWL
BHL Sec 25 T09S R22E 1602 FNL 0947 FWL

43-047-52158 CWU 1583-25D Sec 25 T09S R22E 2143 FNL 1177 FWL
BHL Sec 25 T09S R22E 2306 FNL 0246 FWL

43-047-52159 CWU 1584-25D Sec 25 T09S R22E 2152 FNL 1172 FWL
BHL Sec 25 T09S R22E 2380 FNL 0845 FWL

43-047-52160 CWU 1585-25D Sec 25 T09S R22E 2116 FNL 1191 FWL
BHL Sec 25 T09S R22E 2601 FNL 1442 FWL

This office has no objection to permitting the wells at this time.

Michael L. Coulthard

Digitally signed by Michael L. Coulthard
DN: cn=Michael L. Coulthard, o=Bureau of Land Management, ou=Branch of Minerals, email=Michael_Coulthard@blm.gov, c=US
Date: 2011.11.04 11:46:39 -06'00'

**RECEIVED: November 15, 2011**

bcc: File - Chapita Wells Unit
Division of Oil Gas and Mining
Central Files
Agr. Sec. Chron
Fluid Chron

MCoulthard:mc:11-4-11

RECEIVED: November 15, 2011

# WORKSHEET
# APPLICATION FOR PERMIT TO DRILL

**APD RECEIVED:** 11/3/2011
**API NO. ASSIGNED:** 43047521520000
**WELL NAME:** Chapita Wells Unit 1565-26D
**OPERATOR:** EOG Resources, Inc. (N9550)
**PHONE NUMBER:** 435 781-9157
**CONTACT:** Nanette Lupcho

**PROPOSED LOCATION:** NWNE 26 090S 220E
**Permit Tech Review:** ✔

**SURFACE:** 1160 FNL 1751 FEL
**Engineering Review:** ☐

**BOTTOM:** 1149 FNL 2200 FEL
**Geology Review:** ✔

**COUNTY:** UINTAH
**LATITUDE:** 40.01107
**LONGITUDE:** -109.40395
**UTM SURF EASTINGS:** 636220.00
**NORTHINGS:** 4430206.00
**FIELD NAME:** NATURAL BUTTES
**LEASE TYPE:** 1 - Federal
**LEASE NUMBER:** UTU0285A
**PROPOSED PRODUCING FORMATION(S):** MESA VERDE
**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**

**Commingling Approved**

**LOCATION AND SITING:**

- ☐ **R649-2-3.**

**Unit:** CHAPITA WELLS

- ☐ **R649-3-2. General**
- ☐ **R649-3-3. Exception**
- ✔ **Drilling Unit**

**Board Cause No:** Cause 179-08
**Effective Date:** 8/10/1999
**Siting:** Suspends General Siting

- ✔ **R649-3-11. Directional Drill**

**Comments:** Presite Completed

**Stipulations:**
4 - Federal Approval - dmason
15 - Directional - dmason
17 - Oil Shale 190-5(b) - dmason

**RECEIVED:** November 21, 2011

GARY R. HERBERT
*Governor*
GREGORY S. BELL
*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:** Chapita Wells Unit 1565-26D
**API Well Number:** 43047521520000
**Lease Number:** UTU0285A
**Surface Owner:** FEDERAL
**Approval Date:** 11/21/2011

**Issued to:**
EOG Resources, Inc., 1060 East Highway 40, Vernal, UT 84078

**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 Cause 179-08. The expected producing formation or pool is the MESA VERDE Formation(s), completion into any other zones will require filing a Sundry Notice (Form 9). Completion and commingling of more than one pool will require approval in accordance with R649-3-22.

**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.

In accordance with Utah Admin. R.649-3-11, Directional Drilling, the operator shall submit a complete angular deviation and directional survey report to the Division within 30 days following completion of the well.

In accordance with the Order in Cause No. 190-5(b) dated October 28, 1982, the operator shall comply with the requirements of Rules R649-3-31 and R649-3-27 pertaining to Designated Oil Shale Areas. Additionally, the operators shall ensure that the surface and or production casing is properly cemented over the entire oil shale section as defined by Rule R649-3-31. The Operator shall report the actual depth the oil shale is encountered to the division.

**Notification Requirements:**
The operator is required to notify the Division of Oil, Gas and Mining of the following actions during drilling of this well:

- Within 24 hours following the spudding of the well – contact Carol Daniels at 801-538-5284 (please leave a voicemail message if not available)

OR
submit an electronic sundry notice (pre-registration required) via the Utah Oil & Gas website at http://oilgas.ogm.utah.gov

**Reporting Requirements:**
All reports, forms and submittals as required by the Utah Oil and Gas Conservation General Rules will be promptly filed with the Division of Oil, Gas and Mining, including but not limited to:

- Entity Action Form (Form 6) – due within 5 days of spudding the well
- Monthly Status Report (Form 9) – due by 5th day of the following calendar month
- Requests to Change Plans (Form 9) – due prior to implementation
- Written Notice of Emergency Changes (Form 9) – due within 5 days
- Notice of Operations Suspension or Resumption (Form 9) – due prior to implementation
- Report of Water Encountered (Form 7) – due within 30 days after completion
- Well Completion Report (Form 8) – due within 30 days after completion or plugging

**Approved By:**

For John Rogers
Associate Director, Oil & Gas

UDOGM

RECEIVED

NOV 0 2 2011

BLM VERNAL, UTAH

Form 3160-3
(August 2007)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0136
Expires July 31, 2010

## APPLICATION FOR PERMIT TO DRILL OR REENTER

5. Lease Serial No.
UTU0285A

6. If Indian, Allottee or Tribe Name

1a. Type of Work: ☒ DRILL ☐ REENTER

7. If Unit or CA Agreement, Name and No.
CHAPITA WELLS UNI

8. Lease Name and Well No.
CHAPITA WELLS UNIT 1565-26D

1b. Type of Well: ☐ Oil Well ☒ Gas Well ☐ Other ☐ Single Zone ☒ Multiple Zone

2. Name of Operator
EOG RESOURCES, INC
Contact: NANETTE H LUPCHO
E-Mail: nanette_lupcho@eogresources.com

9. API Well No.
43 047 52152

3a. Address
1060 EAST HWY 40
VERNAL, UT 84078

3b. Phone No. (include area code)
Ph: 435-781-9157

10. Field and Pool, or Exploratory
NATURAL BUTTES

4. Location of Well (*Report location clearly and in accordance with any State requirements.**)

At surface NWNE 1160FNL 1751FEL 40.011056 N Lat, 109.403997 W Lon

At proposed prod. zone NWNE 1149FNL 2200FEL 40.011086 N Lat, 109.405600 W Lon

11. Sec., T., R., M., or Blk. and Survey or Area
Sec 26 T9S R22E Mer SLB

14. Distance in miles and direction from nearest town or post office*
50.9 MILES SOUTH OF VERNAL, UT

12. County or Parish
UINTAH

13. State
UT

15. Distance from proposed location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any)
1149'

16. No. of Acres in Lease
1800.00

17. Spacing Unit dedicated to this well

18. Distance from proposed location to nearest well, drilling, completed, applied for, on this lease, ft.
780'

19. Proposed Depth
9378 MD
9340 TVD

20. BLM/BIA Bond No. on file
NM2308

21. Elevations (Show whether DF, KB, RT, GL, etc.
5018 GL

22. Approximate date work will start

23. Estimated duration
45 DAYS

### 24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No. 1, shall be attached to this form:

1. Well plat certified by a registered surveyor.
2. A Drilling Plan.
3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office).
4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).
5. Operator certification
6. Such other site specific information and/or plans as may be required by the authorized officer.

25. Signature
(Electronic Submission)

Name (Printed/Typed)
NANETTE H LUPCHO Ph: 435-781-9157

Date
11/01/2011

Title
REGULATORY ASSISTANT

Approved by (Signature)

Name (Printed/Typed) Jerry Kenczka

Date MAR 1 5 2012

Title Assistant Field Manager
Lands & Mineral Resources

Office VERNAL FIELD OFFICE

Application approval does not warrant or certify the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.
Conditions of approval, if any, are attached.

CONDITIONS OF APPROVAL ATTACHED

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

**Additional Operator Remarks (see next page)**

NOTICE OF APPROVAL

**Electronic Submission #121870 verified by the BLM Well Information Syste**
**For EOG RESOURCES, INC., sent to the Vernal**

RECEIVED

MAR 2 6 2012

DIV. OF OIL, GAS & MINING

**** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ****

NOS 08/25/10

NOS- 9/15/2011

UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
VERNAL FIELD OFFICE
170 South 500 East VERNAL, UT 84078 (435) 781-4400

## CONDITIONS OF APPROVAL FOR APPLICATION FOR PERMIT TO DRILL

| | | | |
|---|---|---|---|
| **Company:** | **EOG Resource, Inc.** | **Location:** | **NWNE, Sec. 26, T9S, R22E (S)**<br>**NWNE, Sec. 26, T9S, R22E (B)** |
| **Well No:** | **Chapita Wells Unit 1565-26D** | **Lease No:** | **UTU-0285A** |
| **API No:** | **43-047-52152** | **Agreement:** | **Chapita Wells Unit** |

**OFFICE NUMBER: (435) 781-4400**

**OFFICE FAX NUMBER: (435) 781-3420**

**A COPY OF THESE CONDITIONS SHALL BE FURNISHED TO YOUR FIELD REPRESENTATIVE TO INSURE COMPLIANCE**

All lease and/or unit operations are to be conducted in such a manner that full compliance is made with the applicable laws, regulations (43 CFR Part 3160), and this approved Application for Permit to Drill including Surface and Downhole Conditions of Approval. The operator is considered fully responsible for the actions of his subcontractors. A copy of the approved APD must be on location during construction, drilling, and completion operations. **This permit is approved for a two (2) year period, or until lease expiration, whichever occurs first. An additional extension, up to two (2) years, may be applied for by sundry notice prior to expiration.**

## NOTIFICATION REQUIREMENTS

| | | |
|---|---|---|
| Location Construction<br>(Notify Environmental Scientist) | - | Forty-Eight (48) hours prior to construction of location and access roads. |
| Location Completion<br>(Notify Environmental Scientist) | - | Prior to moving on the drilling rig. |
| Spud Notice<br>(Notify Petroleum Engineer) | - | Twenty-Four (24) hours prior to spudding the well. |
| Casing String & Cementing<br>(Notify Supv. Petroleum Tech.) | - | Twenty-Four (24) hours prior to running casing and cementing all casing strings to: ut_vn_opreport@blm.gov. |
| BOP & Related Equipment Tests<br>(Notify Supv. Petroleum Tech.) | - | Twenty-Four (24) hours prior to initiating pressure tests. |
| First Production Notice<br>(Notify Petroleum Engineer) | - | Within Five (5) business days after new well begins or production resumes after well has been off production for more than ninety (90) days. |

## *SURFACE USE PROGRAM CONDITIONS OF APPROVAL (COAs)*

- All new and replacement internal combustion gas field engines of less than or equal to 300 design-rated horsepower must not emit more than 2 gms of $NO_x$ per horsepower-hour. This requirement does not apply to gas field engines of less than or equal to 40 design-rated horsepower.

- All and replacement internal combustion gas field engines of greater than 300 design rated horsepower must not emit more than 1.0 gms of $NO_x$ per horsepower-hour.

- If there is an active Gilsonite mining operation within 2 miles of the well location, operator shall notify the Gilsonite operator at least 48 hours prior to any blasting during construction.

- If paleontological materials are uncovered during construction, the operator is to immediately stop work and contact the Authorized Officer (AO). A determination will be made by the AO as to what mitigation may be necessary for the discovered paleontologic material before construction can continue.

**SITE SPECIFICE COAs:**

Company/Operator: EOG Resources, Inc.

| Well Number | Lease |
|---|---|
| **1560-26D** | **UTU-0285A** |
| **1561-26D** | **UTU-0285A** |
| **1562-26D** | **UTU-0285A** |
| **1563-26D** | **UTU-0285A** |
| **1564-26D** | **UTU-0285A** |
| **1565-26D** | **UTU-0285A** |
| **1566-26D** | **UTU-0285A** |

Location: NWNE Sec, 26 T.9S. R.22E.

Surface Ownership: BLM

Date APD Received: 11/2/11

- Surface pipelines will be placed 5-10 feet outside of the borrow area.
- Monitor the **initial** ground disturbing construction of the well pad by a qualified permitted paleontologist and thereafter **spot-monitor** the location during the remainder of the construction process. Report all mitigation-curation of vertebrates and other scientifically significant fossils that may be affected by the construction.

## *DOWNHOLE PROGRAM*
## *CONDITIONS OF APPROVAL (COAs)*

### *SITE SPECIFIC DOWNHOLE COAs*

- Cement for the surface casing shall be circulated to surface and/or topped off.
- Gamma ray Log shall be run from Total Depth to Surface.
- Cement for the production casing must be brought to at least 200' above the surface casing shoe.

**Variances Granted:**

**Air Drilling**

- Properly lubricated and maintained rotating head. Variance granted to use a properly maintained and lubricated diverter bowl in place of a rotating head.
- Blooie line discharge 100' from the well bore. Variance granted for blooie line discharge to be 75' from the well bore and may not be straight.
- Compressors located in the opposite direction from the blooie line a minimum of 100' from the well bore. Variance granted for rig mounted air compressors located within 40' of the well.
- In lieu of mud products on location, operator will have sufficient water on location for the mud kill medium during air drilling operations.
- Automatic igniter. Variance granted for igniter, a diffuser will be used instead. Operator will mount a deflector at the end of the blooie line to change direction and reduce the velocity of the cuttings flow to the reserve pit.
- De-dusting Equipment. Variance granted, dust controlled by water mist during air drilling operations.

**All provisions outlined in Onshore Oil & Gas Order #2 Drilling Operations shall be strictly adhered to.** The following items are emphasized:

### DRILLING/COMPLETION/PRODUCING OPERATING STANDARDS

- The spud date and time shall be reported orally to Vernal Field Office within 24 hours of spudding.

- Notify Vernal Field Office Supervisory Petroleum Engineering Technician at least 24 hours in advance of casing cementing operations and BOPE & casing pressure tests.

- All requirements listed in Onshore Order #2 III. E. Special Drilling Operations are applicable for air drilling of surface hole.

- Blowout prevention equipment (BOPE) shall remain in use until the well is completed or abandoned. Closing unit controls shall remain unobstructed and readily accessible at all times. Choke manifolds shall be located outside of the rig substructure.

- All BOPE components shall be inspected daily and those inspections shall be recorded in the daily drilling report. Components shall be operated and tested as required by Onshore Oil & Gas Order

No. 2 to insure good mechanical working order. All BOPE pressure tests shall be performed by a test pump with a chart recorder and **NOT** by the rig pumps. Test shall be reported in the driller's log.

- BOP drills shall be initially conducted by each drilling crew within 24 hours of drilling out from under the surface casing and weekly thereafter as specified in Onshore Oil & Gas Order No. 2.

- Casing pressure tests are required before drilling out from under all casing strings set and cemented in place.

- No aggressive/fresh hard-banded drill pipe shall be used within casing.

- **Cement baskets shall not be run on surface casing.**

- The operator must report all shows of water or water-bearing sands to the BLM. If flowing water is encountered it must be sampled, analyzed, and a copy of the analyses submitted to the BLM Vernal Field Office.

- The operator must report encounters of all non oil & gas mineral resources (such as Gilsonite, tar sands, oil shale, trona, etc.) to the Vernal Field Office, in writing, within 5 working days of each encounter. Each report shall include the well name/number, well location, date and depth (from KB or GL) of encounter, vertical footage of the encounter and, the name of the person making the report (along with a telephone number) should the BLM need to obtain additional information.

- A complete set of angular deviation and directional surveys of a directional well will be submitted to the Vernal BLM office engineer within 30 days of the completion of the well.

- While actively drilling, chronologic drilling progress reports shall be filed directly with the BLM, Vernal Field Office on a weekly basis in sundry, letter format or e-mail to the Petroleum Engineers until the well is completed.

- A cement bond log (CBL) will be run from the production casing shoe to the top of cement and shall be utilized to determine the bond quality for the production casing. Submit a field copy of the CBL to this office.

- **Please submit an electronic copy of all other logs run on this well in LAS format to UT_VN_Welllogs@BLM.gov. This submission will supersede the requirement for submittal of paper logs to the BLM.**

- There shall be no deviation from the proposed drilling, completion, and/or work-over program as approved. Safe drilling and operating practices must be observed. Any changes in operation must have prior approval from the BLM Vernal Field Office.

***OPERATING REQUIREMENT REMINDERS:***

- All wells, whether drilling, producing, suspended, or abandoned, shall be identified in accordance with 43 CFR 3162.6. There shall be a sign or marker with the name of the operator, lease serial number, well number, and surveyed description of the well.

- For information regarding production reporting, contact the Office of Natural Resources Revenue (ONRR) at www.ONRR.gov.

- Should the well be successfully completed for production, the BLM Vernal Field office must be notified when it is placed in a producing status. Such notification will be by written communication and must be received in this office by not later than the fifth business day following the date on which the well is placed on production. The notification shall provide, as a minimum, the following informational items:

    - Operator name, address, and telephone number.

    - Well name and number.

    - Well location (¼¼, Sec., Twn, Rng, and P.M.).

    - Date well was placed in a producing status (date of first production for which royalty will be paid).

    - The nature of the well's production, (i.e., crude oil, or crude oil and casing head gas, or natural gas and entrained liquid hydrocarbons).

    - The Federal or Indian lease prefix and number on which the well is located; otherwise the non-Federal or non-Indian land category, i.e., State or private.

    - Unit agreement and/or participating area name and number, if applicable.

    - Communitization agreement number, if applicable.

- Any venting or flaring of gas shall be done in accordance with Notice to Lessees (NTL) 4A and needs prior approval from the BLM Vernal Field Office.

- All undesirable events (fires, accidents, blowouts, spills, discharges) as specified in NTL 3A will be reported to the BLM, Vernal Field Office. Major events, as defined in NTL3A, shall be reported verbally within 24 hours, followed by a written report within 15 days. "Other than Major Events" will be reported in writing within 15 days. "Minor Events" will be reported on the Monthly Report of Operations and Production.

- Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (BLM Form 3160-4) shall be submitted not later than 30 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3162.4-1. Two copies of all logs run, core descriptions, and all other surveys or data obtained and compiled

during the drilling, work-over, and/or completion operations, shall be filed on BLM Form 3160-4. Submit with the well completion report a geologic report including, at a minimum, formation tops, and a summary and conclusions. Also include deviation surveys, sample descriptions, strip logs, core data, drill stem test data, and results of production tests if performed. Samples (cuttings, fluid, and/or gas) shall be submitted only when requested by the BLM, Vernal Field Office.

- All off-lease storage, off-lease measurement, or commingling on-lease or off-lease, shall have prior written approval from the BLM Vernal Field Office.

- Oil and gas meters shall be calibrated in place prior to any deliveries. The BLM Vernal Field Office Petroleum Engineers will be provided with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports shall be submitted to the BLM Vernal Field Office. All measurement facilities will conform to the API standards for liquid hydrocarbons and the AGA standards for natural gas measurement. All measurement points shall be identified as the point of sale or allocation for royalty purposes.

- A schematic facilities diagram as required by Onshore Oil & Gas Order No. 3 shall be submitted to the BLM Vernal Field Office within 30 days of installation or first production, whichever occurs first. All site security regulations as specified in Onshore Oil & Gas Order No. 3 shall be adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed in accordance with Onshore Oil & Gas Order No. 3.

- Any additional construction, reconstruction, or alterations of facilities, including roads, gathering lines, batteries, etc., which will result in the disturbance of new ground, shall require the filing of a suitable plan and need prior approval of the BLM Vernal Field Office. Emergency approval may be obtained orally, but such approval does not waive the written report requirement.

- No location shall be constructed or moved, no well shall be plugged, and no drilling or work-over equipment shall be removed from a well to be placed in a suspended status without prior approval of the BLM Vernal Field Office. If operations are to be suspended for more than 30 days, prior approval of the BLM Vernal Field Office shall be obtained and notification given before resumption of operations.

- Pursuant to Onshore Oil & Gas Order No. 7, this is authorization for pit disposal of water produced from this well for a period of 90 days from the date of initial production. A permanent disposal method must be approved by this office and in operation prior to the end of this 90-day period. In order to meet this deadline, an application for the proposed permanent disposal method shall be submitted along with any necessary water analyses, as soon as possible, but no later than 45 days after the date of first production. Any method of disposal which has not been approved prior to the end of the authorized 90-day period will be considered as an Incident of Noncompliance and will be grounds for issuing a shut-in order until an acceptable manner for disposing of said water is provided and approved by this office.

- Unless the plugging is to take place immediately upon receipt of oral approval, the Field Office Petroleum Engineers must be notified at least 24 hours in advance of the plugging of the well, in order that a representative may witness plugging operations. If a well is suspended or abandoned, all pits must be fenced immediately until they are backfilled. The "Subsequent Report of

Abandonment" (Form BLM 3160-5) must be submitted within 30 days after the actual plugging of the well bore, showing location of plugs, amount of cement in each, and amount of casing left in hole, and the current status of the surface restoration.

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

FORM 9

**5.LEASE DESIGNATION AND SERIAL NUMBER:** UTU0285A

## 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:** CHAPITA WELLS

**1. TYPE OF WELL** Gas Well

**8. WELL NAME and NUMBER:** CWU 1565-26D

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

**9. API NUMBER:** 43047521520000

**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:** 1160 FNL 1751 FEL
**QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:** Qtr/Qtr: NWNE Section: 26 Township: 09.0S Range: 22.0E 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 43047521520000

**API:** 43047521520000
**Well Name:** CWU 1565-26D
**Location:** 1160 FNL 1751 FEL QTR NWNE SEC 26 TWNP 090S RNG 220E MER S
**Company Permit Issued to:** EOG RESOURCES, INC.
**Date Original Permit Issued:** 11/21/2011

**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

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

FORM 9

**5.LEASE DESIGNATION AND SERIAL NUMBER:** UTU0285A

## 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:** CHAPITA WELLS

**1. TYPE OF WELL** Gas Well

**8. WELL NAME and NUMBER:** CWU 1565-26D

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

**9. API NUMBER:** 43047521520000

**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:** 1160 FNL 1751 FEL
**QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:** Qtr/Qtr: NWNE Section: 26 Township: 09.0S Range: 22.0E Meridian: S

**COUNTY:** UINTAH

**STATE:** UTAH

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

**TYPE OF SUBMISSION**

- ✓ NOTICE OF INTENT — Approximate date work will start: 11/13/2013
- ☐ SUBSEQUENT REPORT — Date of Work Completion:
- ☐ SPUD REPORT — Date of Spud:
- ☐ DRILLING REPORT — Report Date:

**TYPE OF ACTION**

| | | |
|---|---|---|
| ☐ ACIDIZE | ☐ ALTER CASING | ☐ CASING REPAIR |
| ☐ CHANGE TO PREVIOUS PLANS | ☐ CHANGE TUBING | ☐ CHANGE WELL NAME |
| ☐ CHANGE WELL STATUS | ☐ COMMINGLE PRODUCING FORMATIONS | ☐ CONVERT WELL TYPE |
| ☐ DEEPEN | ☐ FRACTURE TREAT | ☐ NEW CONSTRUCTION |
| ☐ OPERATOR CHANGE | ☐ PLUG AND ABANDON | ☐ PLUG BACK |
| ☐ PRODUCTION START OR RESUME | ☐ RECLAMATION OF WELL SITE | ☐ RECOMPLETE DIFFERENT FORMATION |
| ☐ REPERFORATE CURRENT FORMATION | ☐ SIDETRACK TO REPAIR WELL | ☐ TEMPORARY ABANDON |
| ☐ TUBING REPAIR | ☐ VENT OR FLARE | ☐ WATER DISPOSAL |
| ☐ 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 43047521520000

**API:** 43047521520000
**Well Name:** CWU 1565-26D
**Location:** 1160 FNL 1751 FEL QTR NWNE SEC 26 TWNP 090S RNG 220E MER S
**Company Permit Issued to:** EOG RESOURCES, INC.
**Date Original Permit Issued:** 11/21/2011

**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

Form 3160-5
(August 2007)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED
MAR 04 2014
BLM

FORM APPROVED
OMB NO. 1004-0135
Expires: July 31, 2010

**SUNDRY NOTICES AND REPORTS ON WELLS**

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

***SUBMIT IN TRIPLICATE - Other instructions on reverse side.***

5. Lease Serial No.
UTU0285A

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.
892000905BF

1. Type of Well
☐ Oil Well ■ Gas Well ☐ Other

8. Well Name and No.
CWU 1565-26D

2. Name of Operator
EOG RESOURCES INC
Contact: DONNA J SKINNER
E-Mail: DONNA_SKINNER@EOGRESOURCES.COM

9. API Well No.
43-047-52152-00-X1

3a. Address
600 17TH STREET, SUITE 1000N
DENVER, CO 80202

3b. Phone No. (include area code)
Ph: 303.262.9467

10. Field and Pool, or Exploratory
NATURAL BUTTES

4. Location of Well *(Footage, Sec., T., R., M., or Survey Description)*
Sec 26 T9S R22E NWNE 1160FNL 1751FEL
40.011056 N Lat, 109.403997 W Lon

11. County or Parish, and State
UINTAH COUNTY, UT

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

| TYPE OF SUBMISSION | TYPE OF ACTION | | | |
|---|---|---|---|---|
| ■ Notice of Intent | ☐ Acidize | ☐ Deepen | ☐ Production (Start/Resume) | ☐ Water Shut-Off |
| ☐ Subsequent Report | ☐ Alter Casing | ☐ Fracture Treat | ☐ Reclamation | ☐ Well Integrity |
| ☐ Final Abandonment Notice | ☐ Casing Repair | ☐ New Construction | ☐ Recomplete | ■ Other Change to Original A PD |
| | ☐ Change Plans | ☐ Plug and Abandon | ☐ Temporarily Abandon | |
| | ☐ Convert to Injection | ☐ Plug Back | ☐ Water Disposal | |

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

EOG Resources, Inc. respectfully requests a two year extension for the referenced APD.

RECEIVED
OCT 06 2014
DIV. OF OIL, GAS & MINING

VERNAL FIELD OFFICE
ENG. MC 9/23/14
GEOL.
E.S.
PET.
ECL.

14. I hereby certify that the foregoing is true and correct.
**Electronic Submission #237576 verified by the BLM Well Information System**
**For EOG RESOURCES INC, sent to the Vernal**
**Committed to AFMSS for processing by LESLIE BUHLER on 03/06/2014 (14LBB4784SE)**

Name *(Printed/Typed)* DONNA J SKINNER — Title SR. REGULATORY ASSISTANT

Signature (Electronic Submission) — Date 03/03/2014

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved By — Title Assistant Field Manager Lands & Mineral Resources — Date SEP 17 2014

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office VERNAL FIELD OFFICE

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

**** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ****

UDOGM

## Revisions to Operator-Submitted EC Data for Sundry Notice #237576

| | Operator Submitted | BLM Revised (AFMSS) |
|---|---|---|
| Sundry Type: | OTHER<br>NOI | APDCH<br>NOI |
| Lease: | UTU0285A | UTU0285A |
| Agreement: | CHAPITA WELLS UN | 892000905BF (UTU63013BF) |
| Operator: | EOG RESOURCES, INC.<br>600 17TH STREET SUITE 1000N<br>DENVER, CO 80202<br>Ph: 303-262-9467 | EOG RESOURCES INC<br>600 17TH STREET, SUITE 1000N<br>DENVER, CO 80202<br>Ph: 303-572-9000 |
| Admin Contact: | DONNA J SKINNER<br>SR. REGULATORY ASSISTANT<br>E-Mail: DONNA_SKINNER@EOGRESOURCES.COM<br><br>Ph: 303-262-9467 | DONNA J SKINNER<br>SR. REGULATORY ASSISTANT<br>E-Mail: DONNA_SKINNER@EOGRESOURCES.COM<br><br>Ph: 303.262.9467 |
| Tech Contact: | DONNA J SKINNER<br>SR. REGULATORY ASSISTANT<br>E-Mail: DONNA_SKINNER@EOGRESOURCES.COM<br><br>Ph: 303-262-9467 | DONNA J SKINNER<br>SR. REGULATORY ASSISTANT<br>E-Mail: DONNA_SKINNER@EOGRESOURCES.COM<br><br>Ph: 303.262.9467 |
| Location: | | |
| State: | UT | UT |
| County: | UINTAH | UINTAH |
| Field/Pool: | NATURAL BUTTES | NATURAL BUTTES |
| Well/Facility: | CWU 1565-26D<br>Sec 26 T9S R22E Mer SLB NWNE 1160FNL 1751FEL<br>40.011056 N Lat, 109.403997 W Lon | CWU 1565-26D<br>Sec 26 T9S R22E NWNE 1160FNL 1751FEL<br>40.011056 N Lat, 109.403997 W Lon |

# CONDITIONS OF APPROVAL

## EOG Resources Inc

**Notice of Intent**
**APD Extension**

**Lease:** UTU-0285A
**Well:** Chapita Wells Unit 1565-26D
**Location:** NWNE Sec 26 T9S-R22E

An extension for the referenced APD is granted with the following conditions:

---

1. The APD extension shall expire on 3/15/16

2. No other extension shall be granted.

If you have any other questions concerning this matter, please contact Michael Riches of this office at (435) 781-4438

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

**FORM 9**

**5.LEASE DESIGNATION AND SERIAL NUMBER:** UTU0285A

## 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:** CHAPITA WELLS

**1. TYPE OF WELL** Gas Well

**8. WELL NAME and NUMBER:** CWU 1565-26D

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

**9. API NUMBER:** 43047521520000

**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:** 1160 FNL 1751 FEL
**QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:** Qtr/Qtr: NWNE Section: 26 Township: 09.0S Range: 22.0E Meridian: S

**COUNTY:** UINTAH

**STATE:** UTAH

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

**TYPE OF SUBMISSION**

- ✓ NOTICE OF INTENT — Approximate date work will start: 11/19/2014
- ☐ SUBSEQUENT REPORT — Date of Work Completion:
- ☐ SPUD REPORT — Date of Spud:
- ☐ DRILLING REPORT — Report Date:

**TYPE OF ACTION**

| | | |
|---|---|---|
| ☐ ACIDIZE | ☐ ALTER CASING | ☐ CASING REPAIR |
| ☐ CHANGE TO PREVIOUS PLANS | ☐ CHANGE TUBING | ☐ CHANGE WELL NAME |
| ☐ CHANGE WELL STATUS | ☐ COMMINGLE PRODUCING FORMATIONS | ☐ CONVERT WELL TYPE |
| ☐ DEEPEN | ☐ FRACTURE TREAT | ☐ NEW CONSTRUCTION |
| ☐ OPERATOR CHANGE | ☐ PLUG AND ABANDON | ☐ PLUG BACK |
| ☐ PRODUCTION START OR RESUME | ☐ RECLAMATION OF WELL SITE | ☐ RECOMPLETE DIFFERENT FORMATION |
| ☐ REPERFORATE CURRENT FORMATION | ☐ SIDETRACK TO REPAIR WELL | ☐ TEMPORARY ABANDON |
| ☐ TUBING REPAIR | ☐ VENT OR FLARE | ☐ WATER DISPOSAL |
| ☐ 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
November 25, 2014
Oil, Gas and Mining

Date:

By:

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

| SIGNATURE | DATE |
|---|---|
| N/A | 11/19/2014 |

RECEIVED: Nov. 19, 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 43047521520000

**API:** 43047521520000
**Well Name:** CWU 1565-26D
**Location:** 1160 FNL 1751 FEL QTR NWNE SEC 26 TWNP 090S RNG 220E MER S
**Company Permit Issued to:** EOG RESOURCES, INC.
**Date Original Permit Issued:** 11/21/2011

**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:** 11/19/2014
**Title:** Sr. Regulatory Assistant **Representing:** EOG RESOURCES, INC.

RECEIVED: Nov. 19, 2014

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

FORM 9

**5.LEASE DESIGNATION AND SERIAL NUMBER:** UTU0285A

## SUNDRY NOTICES AND REPORTS ON WELLS

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

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

**1. TYPE OF WELL** Gas Well

**8. WELL NAME and NUMBER:** CWU 1565-26D

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

**9. API NUMBER:** 43047521520000

**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:** 1160 FNL 1751 FEL
**QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:** Qtr/Qtr: NWNE Section: 26 Township: 09.0S Range: 22.0E Meridian: S

**COUNTY:** UINTAH

**STATE:** UTAH

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

**TYPE OF SUBMISSION**

- ✓ NOTICE OF INTENT — Approximate date work will start: 10/20/2015
- ☐ SUBSEQUENT REPORT — Date of Work Completion:
- ☐ SPUD REPORT — Date of Spud:
- ☐ DRILLING REPORT — Report Date:

**TYPE OF ACTION**

| | | |
|---|---|---|
| ☐ ACIDIZE | ☐ ALTER CASING | ☐ CASING REPAIR |
| ☐ CHANGE TO PREVIOUS PLANS | ☐ CHANGE TUBING | ☐ CHANGE WELL NAME |
| ☐ CHANGE WELL STATUS | ☐ COMMINGLE PRODUCING FORMATIONS | ☐ CONVERT WELL TYPE |
| ☐ DEEPEN | ☐ FRACTURE TREAT | ☐ NEW CONSTRUCTION |
| ☐ OPERATOR CHANGE | ☐ PLUG AND ABANDON | ☐ PLUG BACK |
| ☐ PRODUCTION START OR RESUME | ☐ RECLAMATION OF WELL SITE | ☐ RECOMPLETE DIFFERENT FORMATION |
| ☐ REPERFORATE CURRENT FORMATION | ☐ SIDETRACK TO REPAIR WELL | ☐ TEMPORARY ABANDON |
| ☐ TUBING REPAIR | ☐ VENT OR FLARE | ☐ WATER DISPOSAL |
| ☐ 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
October 26, 2015
Oil, Gas and Mining

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 43047521520000

**API:** 43047521520000
**Well Name:** CWU 1565-26D
**Location:** 1160 FNL 1751 FEL QTR NWNE SEC 26 TWNP 090S RNG 220E MER S
**Company Permit Issued to:** EOG RESOURCES, INC.
**Date Original Permit Issued:** 11/21/2011

**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

# United States Department of the Interior

BUREAU OF LAND MANAGEMENT
Green River District
Vernal Field Office
170 South 500 East
Vernal, UT 84078
http://www.blm.gov/ut/st/en/fo/vernal.html

MAY 04 2016

IN REPLY REFER TO:
3160 (UTG011)

RECEIVED
MAY 06 2016
DIV. OF OIL, GAS & MINING

EOG Resources Inc
Att: Kaylene Gardner
1060 East Hwy 40
Vernal, Utah 84078

Dear Kaylene Gardner

The referenced Applications for Permit to Drill (APD) have expired. According to our records, no known activity has transpired at the approved location. In view of the foregoing, this office is notifying you that the approval of the referenced applications has expired. If you intend to drill at these locations in the future, a new Application for Permit to Drill must be submitted.

43-047-

| Lease | Well | Aliquot | Sec., T., R. | Date Rec'd | APD Approved | Date Exp'd |
|---|---|---|---|---|---|---|
| UTU0282 | CWU 1571-26D | NWNE | Sec.26-T9S-R22E | 11/2/2011 | 3/15/2012 | 3/15/2016 52145 |
| UTU0285A | CWU1573-26D | SENE | Sec.26-T9S-R22E | 11/2/2011 | 4/4/2012 | 4/4/2016 52134 |
| UTU0285A | CWU1570-26D | NWNE | Sec.26-T9S-R22E | 11/2/2011 | 3/15/2012 | 3/15/2016 52144 |
| UTU0282 | CWU 1572-26D | NWNE | Sec.26-T9S-R22E | 11/2/2011 | 3/15/2012 | 3/15/2016 52146 |
| UTU0285A | CWU 1574-26D | SENE | Sec.26-T9S-R22E | 11/2/2011 | 4/4/2012 | 4/4/2016 52135 |
| UTU0285A | CWU 1575-26D | SENE | Sec.26-T9S-R22E | 11/2/2011 | 4/4/2012 | 4/4/2016 52136 |
| UTU0285A | CWU 1576-26D | SENE | Sec.26-T9S-R22E | 11/2/2011 | 4/4/2012 | 4/4/2016 52137 |
| UTU0285A | CWU 1577-26D | SENE | Sec.26-T9S-R22E | 11/2/2011 | 4/4/2012 | 4/4/2016 52138 |
| UTU0285A | CWU 1579-26D | SENE | Sec.26-T9S-R22E | 11/2/2011 | 4/4/2012 | 4/4/2016 52140 |
| UTU0285A | CWU 1560-26D | NWNE | Sec.26-T9S-R22E | 11/2/2011 | 3/15/2012 | 3/15/2016 52147 |
| UTU0285A | CWU 1561-26D | NWNE | Sec.26-T9S-R22E | 11/2/2011 | 3/15/2012 | 3/15/2016 52148 |
| UTU0285A | CWU 1563-26D | NWNE | Sec.26-T9S-R22E | 11/2/2011 | 3/15/2012 | 3/15/2016 52150 |
| UTU0285A | CWU 1564-26D | NWNE | Sec.26-T9S-R22E | 11/2/2011 | 3/15/2012 | 3/15/2016 52151 |
| UTU0285A | CWU 1565-26D | NWNE | Sec.26-T9S-R22E | 11/2/2011 | 3/15/2012 | 3/15/2016 52152 |
| UTU0285A | CWU 1566-26D | NWNE | Sec.26-T9S-R22E | 11/2/2011 | 3/15/2012 | 3/15/2016 52153 |
| UTU0285A | CWU 1567-26D | NWNE | Sec.26-T9S-R22E | 11/2/2011 | 3/15/2012 | 3/15/2016 52141 |
| UTU0285A | CWU 1568-26D | NWNE | Sec.26-T9S-R22E | 11/2/2011 | 3/15/2012 | 3/15/2016 52142 |
| UTU0285A | CWU 1569-26D | NWNE | Sec.26-T9S-R22E | 11/2/2011 | 3/15/2012 | 3/15/2016 52143 |
| UTU0285A | CWU 1578-26D | SENE | Sec.26-T9S-R22E | 11/2/2011 | 4/4/2012 | 4/4/2016 52139 |

This office requires a letter confirming that no surface disturbance has been made for these drill sites. Any surface disturbance associated with the approved location of these wells is to be rehabilitated. A schedule for this rehabilitation must be submitted to this office. Your cooperation in this matter is appreciated.

If you have any questions regarding this matter, please contact Beth Hamann at (435) 781-3430.

Sincerely,

Jerry Kenczka
Assistant Field Manager
Lands & Mineral Resources

cc: UDOGM

bcc: Well File
I&E Asst.

GARY R. HERBERT
*Governor*

SPENCER J. COX
*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*

December 8, 2016

Kaylene Gardner
EOG Resources, Inc.
600 17th Street, Suite 1000 N
Denver, CO 80202

Re: APDs Rescinded for EOG Resources, Inc., Uintah County

Dear Ms. Gardner:

Enclosed find the list of APDs that you asked to be rescinded. No drilling activity at these locations has been reported to the division. Therefore, approval to drill these wells is hereby rescinded as of December 8, 2016.

A new APD must be filed with this office for approval prior to the commencement of any future work on the subject location.

If any previously unreported operations have been performed on this well location, it is imperative that you notify the Division immediately.

Sincerely,

Diana Mason
Environmental Scientist

cc: Well File
Bureau of Land Management, Vernal

1594 West North Temple, Suite 1210, Salt Lake City, UT 84116
PO Box 145801, Salt Lake City, UT 84114-5801
telephone (801) 538-5340 • facsimile (801) 359-3940 • TTY (801) 538-7458 • *www.ogm.utah.gov*

UTAH DNR OIL, GAS & MINING

43-047-50808 CWU 1408-11
43-047-52134 CWU 1573-26D
43-047-52135 CWU 1574-26D
43-047-52136 CWU 1575-26D
43-047-52137 CWU 1576-26D
43-047-52138 CWU 1577-26D
43-047-52139 CWU 1578-26D
43-047-52140 CWU 1579-26D
43-047-52141 CWU 1567-26D
43-047-52142 CWU 1568-26D
43-047-52143 CWU 1569-26D
43-047-52144 CWU 1570-26D
43-047-52145 CWU 1571-26D
43-047-52146 CWU 1572-26D
43-047-52147 CWU 1560-26D
43-047-52148 CWU 1561-26D
43-047-52149 CWU 1562-26D
43-047-52150 CWU 1563-26D
43-047-52151 CWU 1564-26D
43-047-52152 CWU 1565-26D
43-047-52153 CWU 1566-26D
43-047-50175 CWU 1409-33
43-047-50176 CWU 1407-10