

| STATE OF UTAH<br>DEPARTMENT OF NATURAL RESOURCES<br>DIVISION OF OIL, GAS AND MINING  |                   |   |   |  | FORM 3<br>AMENDED REPORT <input type="checkbox"/>   |                 |
|--|-------------------|---|---|--|---|-----------------|
| <b>APPLICATION FOR PERMIT TO DRILL</b>   |                   |   |   |  | <b>1. WELL NAME and NUMBER</b><br>CWU 1493-25D  |                 |
| <b>2. TYPE OF WORK</b><br>DRILL NEW WELL <input checked="" type="checkbox"/> REENTER P&A WELL <input type="checkbox"/> DEEPEN WELL <input type="checkbox"/>                |                   |   |   |  | <b>3. FIELD OR WILDCAT</b><br>NATURAL BUTTES  |                 |
| <b>4. TYPE OF WELL</b><br>Gas Well Coalbed Methane Well: NO  |                   |   |   |  | <b>5. UNIT or COMMUNITIZATION AGREEMENT NAME</b><br>CHAPITA WELLS   |                 |
| <b>6. NAME OF OPERATOR</b><br>EOG Resources, Inc.  |                   |   |   |  | <b>7. OPERATOR PHONE</b><br>435 781-9111  |                 |
| <b>8. ADDRESS OF OPERATOR</b><br>1060 East Highway 40, Vernal, UT, 84078   |                   |   |   |  | <b>9. OPERATOR E-MAIL</b><br>kaylene_gardner@eogresources.com   |                 |
| <b>10. MINERAL LEASE NUMBER (FEDERAL, INDIAN, OR STATE)</b><br>UTU0285A  |                   |   | <b>11. MINERAL OWNERSHIP</b><br>FEDERAL <input checked="" type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input type="checkbox"/> FEE <input type="checkbox"/> |  |   |                 |
| <b>12. SURFACE OWNERSHIP</b><br>FEDERAL <input checked="" type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input type="checkbox"/> FEE <input type="checkbox"/>    |                   |   |   |  | <b>13. NAME OF SURFACE OWNER (if box 12 = 'fee')</b>  |                 |
| <b>14. SURFACE OWNER PHONE (if box 12 = 'fee')</b>   |                   |   |   |  | <b>15. ADDRESS OF SURFACE OWNER (if box 12 = 'fee')</b>   |                 |
| <b>16. SURFACE OWNER E-MAIL (if box 12 = 'fee')</b>  |                   |   |   |  | <b>17. INDIAN ALLOTTEE OR TRIBE NAME (if box 12 = 'INDIAN')</b>   |                 |
| <b>18. INTEND TO COMMINGLE PRODUCTION FROM MULTIPLE FORMATIONS</b><br>YES <input type="checkbox"/> (Submit Commingling Application) NO <input checked="" type="checkbox"/> |                   |   |   |  | <b>19. SLANT</b><br>VERTICAL <input type="checkbox"/> DIRECTIONAL <input checked="" type="checkbox"/> HORIZONTAL <input type="checkbox"/> |                 |
| <b>20. LOCATION OF WELL</b>  | <b>FOOTAGES</b>   | <b>QTR-QTR</b>  | <b>SECTION</b>  | <b>TOWNSHIP</b>                              | <b>RANGE</b>  | <b>MERIDIAN</b> |
| <b>LOCATION AT SURFACE</b>   | 1930 FNL 1988 FWL | SE  | 25  | 9.0 S  | 22.0 E  | S               |
| <b>Top of Uppermost Producing Zone</b>   | 1687 FNL 1708 FWL | SE  | 25  | 9.0 S  | 22.0 E  | S               |
| <b>At Total Depth</b>  | 1687 FNL 1708 FWL | SE  | 25  | 9.0 S  | 22.0 E  | S               |
| <b>21. COUNTY</b><br>UINTAH  |                   |   | <b>22. DISTANCE TO NEAREST LEASE LINE (Feet)</b><br>1687  |  | <b>23. NUMBER OF ACRES IN DRILLING UNIT</b><br>1800   |                 |
| <b>24. DISTANCE TO NEAREST WELL IN SAME POOL (Applied For Drilling or Completed)</b><br>450  |                   |   | <b>25. DISTANCE TO NEAREST WELL IN SAME POOL (Applied For Drilling or Completed)</b><br>450   |  | <b>26. PROPOSED DEPTH</b><br>MD: 9311 TVD: 9285   |                 |
| <b>27. ELEVATION - GROUND LEVEL</b><br>5073  |                   |   | <b>28. BOND NUMBER</b><br>NM2308  |  | <b>29. SOURCE OF DRILLING WATER / WATER RIGHTS APPROVAL NUMBER IF APPLICABLE</b><br>49-225  |                 |
| <b>ATTACHMENTS</b>   |                   |   |   |  |   |                 |
| <b>VERIFY THE FOLLOWING ARE ATTACHED IN ACCORDANCE WITH THE UTAH OIL AND GAS CONSERVATION GENERAL RULES</b>  |                   |   |   |  |   |                 |
| <input checked="" type="checkbox"/> WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER   |                   |   | <input checked="" type="checkbox"/> COMPLETE DRILLING PLAN  |  |   |                 |
| <input type="checkbox"/> AFFIDAVIT OF STATUS OF SURFACE OWNER AGREEMENT (IF FEE SURFACE)   |                   |   | <input type="checkbox"/> FORM 5. IF OPERATOR IS OTHER THAN THE LEASE OWNER  |  |   |                 |
| <input checked="" type="checkbox"/> DIRECTIONAL SURVEY PLAN (IF DIRECTIONALLY OR HORIZONTALLY DRILLED)   |                   |   | <input checked="" type="checkbox"/> TOPOGRAPHICAL MAP   |  |   |                 |
| <b>NAME</b> Nanette Lupcho   |                   | <b>TITLE</b> Regulatory Assistant   |   | <b>PHONE</b> 435 781-9157                    |   |                 |
| <b>SIGNATURE</b>   |                   | <b>DATE</b> 10/07/2010  |   | <b>EMAIL</b> Nanette_Lupcho@EOGResources.com |   |                 |
| <b>API NUMBER ASSIGNED</b><br>43047513150000   |                   | <b>APPROVAL</b><br><br>Permit Manager |   |  |   |                 |

| <b>Proposed Hole, Casing, and Cement</b> |                  |                    |                 |                    |  |  |
|--|------------------|--------------------|-----------------|--------------------|--|--|
| <b>String</b>                            | <b>Hole Size</b> | <b>Casing Size</b> | <b>Top (MD)</b> | <b>Bottom (MD)</b> |  |  |
| Prod                                     | 7.875            | 4.5                | 0               | 9311               |  |  |
| <b>Pipe</b>                              | <b>Grade</b>     | <b>Length</b>      | <b>Weight</b>   |                    |  |  |
|  | Grade N-80 LT&C  | 9311               | 11.6            |                    |  |  |
|  |                  |                    |                 |                    |  |  |

| <b>Proposed Hole, Casing, and Cement</b> |                  |                    |                 |                    |  |  |
|--|------------------|--------------------|-----------------|--------------------|--|--|
| <b>String</b>                            | <b>Hole Size</b> | <b>Casing Size</b> | <b>Top (MD)</b> | <b>Bottom (MD)</b> |  |  |
| Surf                                     | 12.25            | 9.625              | 0               | 2300               |  |  |
| <b>Pipe</b>                              | <b>Grade</b>     | <b>Length</b>      | <b>Weight</b>   |                    |  |  |
|  | Grade J-55 ST&C  | 2300               | 36.0            |                    |  |  |
|  |                  |                    |                 |                    |  |  |



**DRILLING PLAN  
MULTI-WELL PAD:  
CWU 1492-25D, CWU 1493-25D, CWU 1494-25D,  
CWU 1495-25D, CWU 1496-25D, CWU 1497-25D  
SE/NW, SEC. 25, T9S, R22E, S.L.B.&M..  
UINTAH COUNTY, UTAH**

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

| FORMATION                    | CWU 1492-25D |             | CWU 1493-25D |             | CWU 1494-25D |             | CWU 1495-25D |             |
|------------------------------|--------------|-------------|--------------|-------------|--------------|-------------|--------------|-------------|
|                              | TVD          | MD          | TVD          | MD          | TVD          | MD          | TVD          | MD          |
| Green River                  | 1390         | 1399        | 1393         | 1400        | 1383         | 1398        | 1391         | 1402        |
| Birdsnest                    | 1698         | 1712        | 1702         | 1713        | 1690         | 1715        | 1701         | 1718        |
| Mahogany Oil Shale Bed       | 2266         | 2287        | 2284         | 2302        | 2257         | 2302        | 2277         | 2307        |
| Wasatch                      | 4600         | 4630        | 4628         | 4654        | 4588         | 4658        | 4615         | 4660        |
| Chapita Wells                | 5187         | 5217        | 5215         | 5241        | 5175         | 5246        | 5199         | 5244        |
| Buck Canyon                  | 5863         | 5893        | 5889         | 5916        | 5851         | 5922        | 5872         | 5917        |
| North Horn                   | 6536         | 6566        | 6568         | 6594        | 6523         | 6593        | 6547         | 6593        |
| KMV Price River              | 6857         | 6887        | 6898         | 6924        | 6839         | 6910        | 6874         | 6919        |
| KMV Price River Middle       | 7749         | 7779        | 7780         | 7806        | 7735         | 7806        | 7762         | 7807        |
| KMV Price River Lower        | 8556         | 8586        | 8581         | 8607        | 8545         | 8616        | 8566         | 8611        |
| Sego                         | 9064         | 9094        | 9085         | 9111        | 9051         | 9122        | 9077         | 9122        |
| <b>TD</b>                    | <b>9265</b>  | <b>9295</b> | <b>9285</b>  | <b>9311</b> | <b>9250</b>  | <b>9321</b> | <b>9275</b>  | <b>9320</b> |
| <b>ANTICIPATED BHP (PSI)</b> | <b>5059</b>  |             | <b>5070</b>  |             | <b>5051</b>  |             | <b>5064</b>  |             |

| FORMATION                    | CWU 1496-25D |             | CWU 1497-25D |             |     |    |     |    |
|------------------------------|--------------|-------------|--------------|-------------|-----|----|-----|----|
|                              | TVD          | MD          | TVD          | MD          | TVD | MD | TVD | MD |
| Green River                  | 1381         | 1391        | 1383         | 1395        |     |    |     |    |
| Birdsnest                    | 1689         | 1704        | 1690         | 1712        |     |    |     |    |
| Mahogany Oil Shale Bed       | 2262         | 2285        | 2267         | 2312        |     |    |     |    |
| Wasatch                      | 4595         | 4628        | 4603         | 4678        |     |    |     |    |
| Chapita Wells                | 5179         | 5213        | 5184         | 5259        |     |    |     |    |
| Buck Canyon                  | 5853         | 5886        | 5856         | 5931        |     |    |     |    |
| North Horn                   | 6528         | 6561        | 6529         | 6605        |     |    |     |    |
| KMV Price River              | 6844         | 6878        | 6852         | 6927        |     |    |     |    |
| KMV Price River Middle       | 7739         | 7773        | 7745         | 7820        |     |    |     |    |
| KMV Price River Lower        | 8547         | 8580        | 8551         | 8627        |     |    |     |    |
| Sego                         | 9056         | 9089        | 9064         | 9140        |     |    |     |    |
| <b>TD</b>                    | <b>9255</b>  | <b>9288</b> | <b>9265</b>  | <b>9341</b> |     |    |     |    |
| <b>ANTICIPATED BHP (PSI)</b> | <b>5053</b>  |             | <b>5059</b>  |             |     |    |     |    |

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



**DRILLING PLAN  
MULTI-WELL PAD:  
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CWU 1495-25D, CWU 1496-25D, CWU 1497-25D  
SE/NW, SEC. 25, 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 1/4"   | 0 – 2,300'±  | 9 5/8" | 36.0#  | J-55  | STC    | 2020 PSI        | 3520 PSI     | 394,000# |
| Production | 7 7/8"    | Surface – TD | 4 1/2" | 11.6#  | N-80  | LTC    | 6350 PSI        | 7780 PSI     | 223,000# |

**Note:** 12 1/4" surface hole will be drilled to a total depth of 200'± below the base of the Green River lost circulation zone and cased w/9-5/8" as shown to that depth. Drilled depth may be shallower or deeper than the 2300' shown above depending on the actual depth of the loss zone.

All casing will be new or inspected.

**5. Float Equipment:**

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

Guide Shoe

Insert Float Collar (PDC drillable)

Centralizers: 1-5' above shoe, top of jts. #2 and #3 then every 5<sup>th</sup> joint to surface. (15 total)

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

Float shoe, 1 joint casing, float collar and balance of casing to surface. 4-1/2", 11.6#, N-80 or equivalent marker collars or short casing joints to be placed at top of Price River and 400' above top of Wasatch. Centralizers to be placed 5' above shoe on joint #1, top of joint #2, and every 3rd joint to 400' above the top of primary objective. Thread lock float shoe, top and bottom of float collar, and top of 2<sup>nd</sup> joint.

**6. MUD PROGRAM**

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

**0' - 2300'±** 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.



**DRILLING PLAN**  
**MULTI-WELL PAD:**  
**CWU 1492-25D, CWU 1493-25D, CWU 1494-25D,**  
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**SE/NW, SEC. 25, T9S, R22E, S.L.B.&M..**  
**UINTAH COUNTY, UTAH**

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

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

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

**7. VARIANCE REQUESTS:**

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

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

**8. EVALUATION PROGRAM:**

**Logs:** 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**



**DRILLING PLAN**  
**MULTI-WELL PAD:**  
**CWU 1492-25D, CWU 1493-25D, CWU 1494-25D,**  
**CWU 1495-25D, CWU 1496-25D, CWU 1497-25D**  
**SE/NW, SEC. 25, T9S, R22E, S.L.B.&M..**  
**UINTAH COUNTY, UTAH**

**9. CEMENT PROGRAM:**

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

**Lead: 150 sks** Class "G" cement with 16% Gel, 10 #/sx Gilsonite, 3% Salt, 2% CaCl<sub>2</sub>, 3 lb/sx GR3 ¼ #/sx Flocele mixed at 11 ppg, 3.82 ft<sup>3</sup>/sk. yield, 23 gps water.

**Tail: 135 sks** Class "G" cement with 2% CaCl<sub>2</sub>, ¼#/sk Flocele mixed at 15.6 ppg, 1.18 ft<sup>3</sup>/sk., 5.2 gps water.

**Top Out:** As necessary with Class "G" cement with 2% CaCl<sub>2</sub>, ¼#/sk Flocele mixed at 15.6 ppg, 1.18 ft<sup>3</sup>/sk., 5.2 gps water.

**Note:** The above number of sacks is based on gauge-hole calculation  
Lead volume to be calculated to bring cement to surface.  
Tail volume to be calculated to bring cement to 500' above the shoe.

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

**Lead: 130 sks:** Hi-Lift "G" w/12% D20 (Bentonite), 1% D79 (Extender), 5% D44 (Salt), 0.2% D46 (Antifoam), 0.25% D112 (Fluid Loss Additive), 0.25 pps D29 (cello flakes) mixed at 11.0 ppg, 3.91 ft<sup>3</sup>/sk., 24.5 gps water.

**Tail: 905 sks:** 50:50 Poz "G" w/ 2% D20 (Bentonite), 0.1% D46 (Antifoam), 0.075% D13 (Retarder), 0.2% D167 (Fluid Loss Additive), 0.2% D65 (Dispersant), mixed at 14.1 ppg, 1.28 ft<sup>3</sup>/sk., 5.9gps water.

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

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



**DRILLING PLAN**  
**MULTI-WELL PAD:**  
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**CWU 1495-25D, CWU 1496-25D, CWU 1497-25D**  
**SE/NW, SEC. 25, T9S, R22E, S.L.B.&M..**  
**UINTAH COUNTY, UTAH**

**10. ABNORMAL CONDITIONS:**

**Surface Hole (Surface - 2300'±):**

Lost circulation

**Production Hole (2300'± - TD):**

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

**11. STANDARD REQUIRED EQUIPMENT:**

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

**12. HAZARDOUS CHEMICALS:**

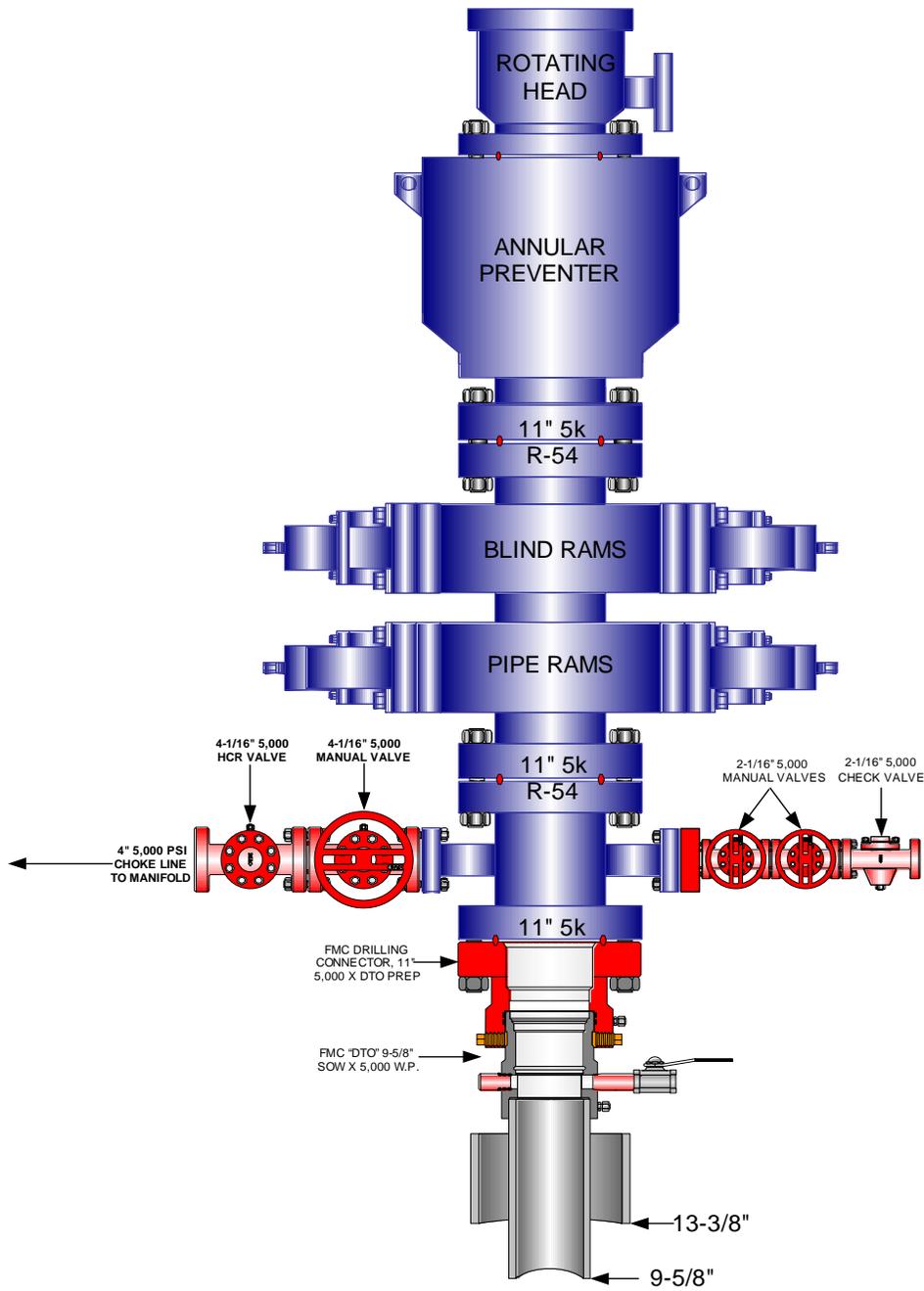
No chemicals subject to reporting under SARA title III in an amount equal to or greater than 10,000 pounds will be used, produced, stored, transported, or disposed of annually in association with the drilling of this well. Furthermore, no extremely hazardous substances, as defined in 40 CFR 355, in threshold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

**13. Air Drilling Operations:**

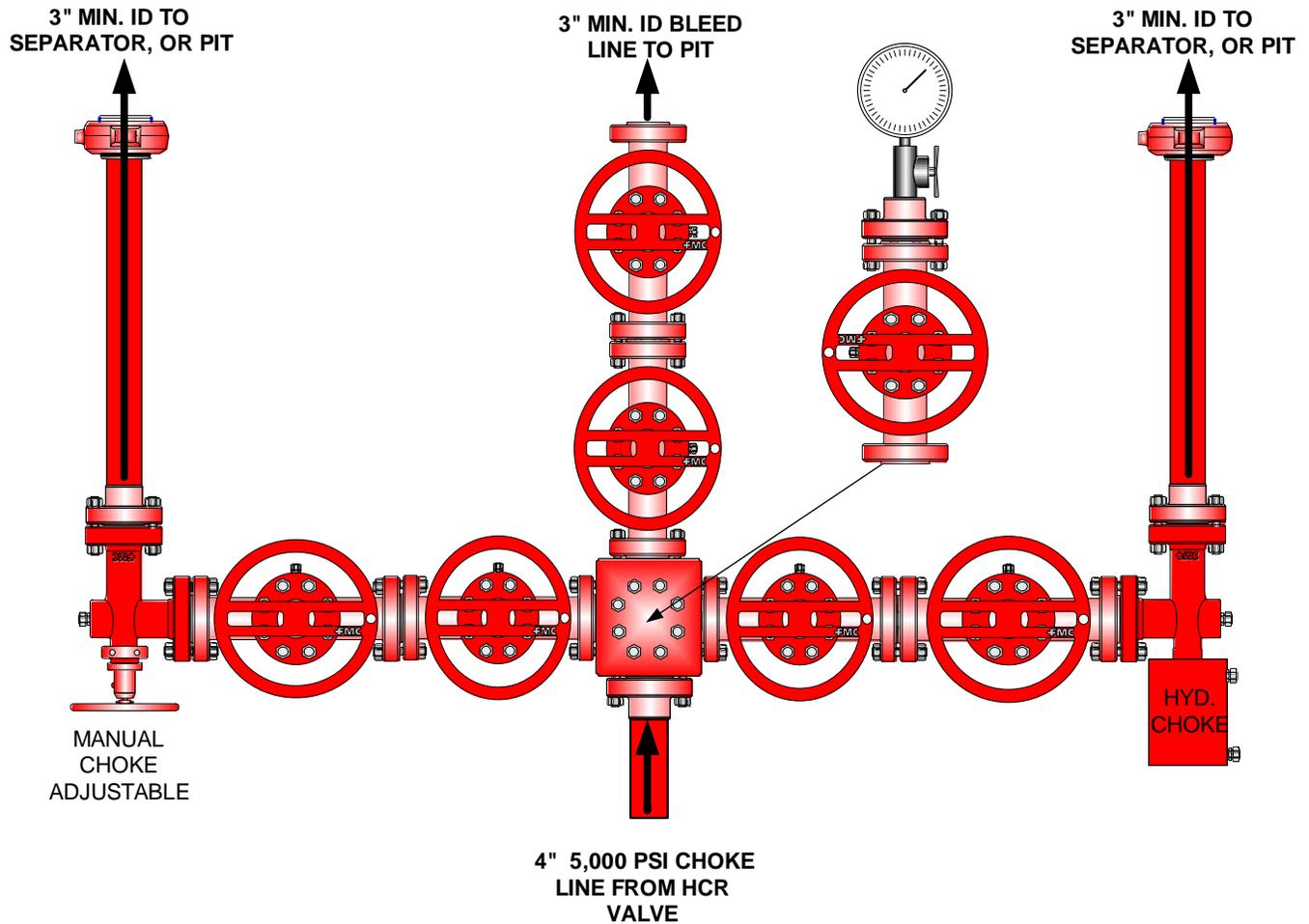
1. Main Air Compressors are 1250 CFM 350 psi with 2000 psi Boosters and are rig mounted.
2. Secondary Air Compressors are 1170 CFM 350 psi with 2000 psi Boosters and are rig mounted.
3. Minimum setting depth of conductor casing will be 60' GL or 10'± into competent formation, whichever is deeper, as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

**(Attachment: BOP Schematic Diagram)**

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



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

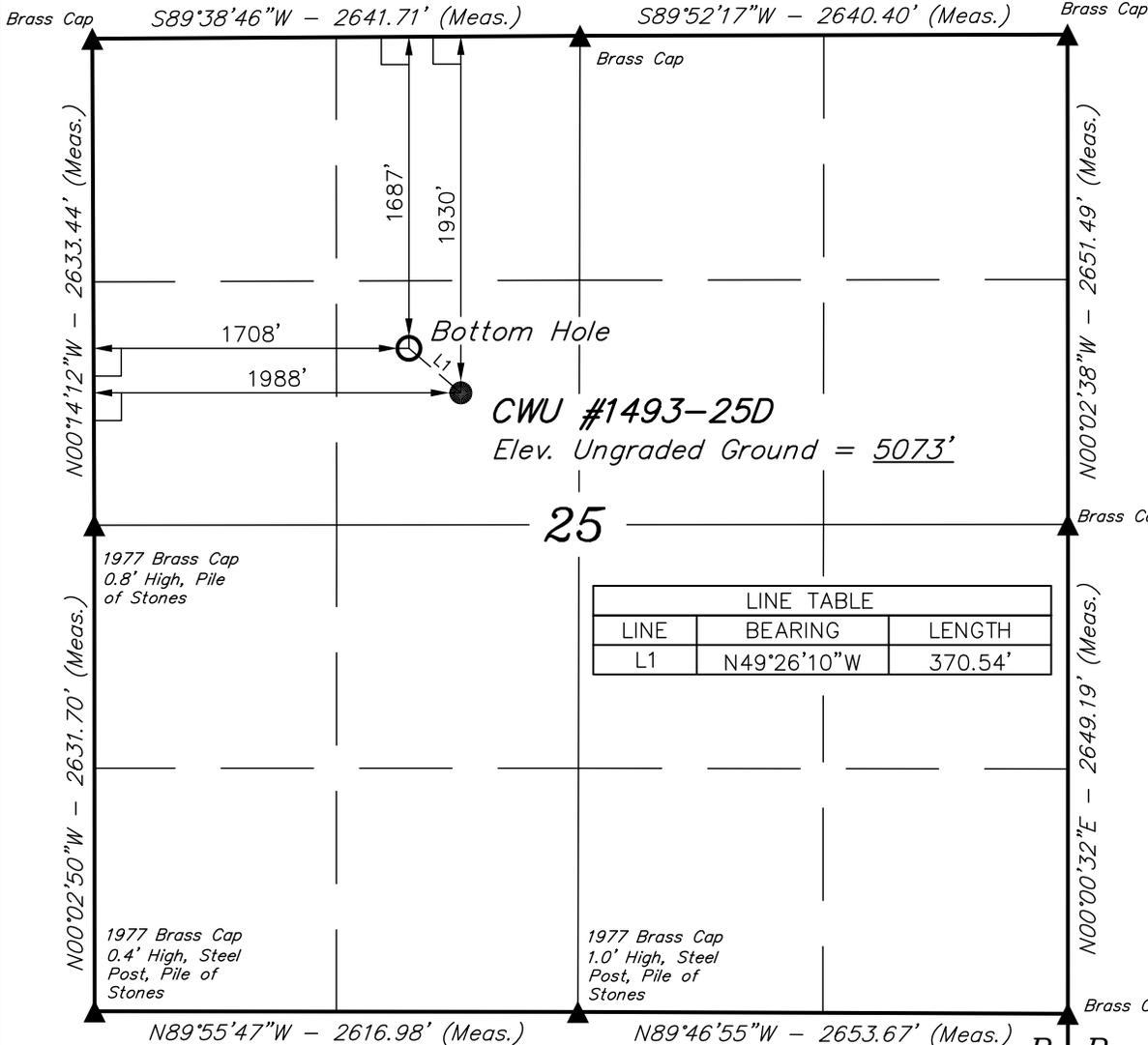


Testing Procedure:

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

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

Well location, CWU #1493-25D, located as shown in the SE 1/4 NW 1/4 of Section 25, T9S, R22E, S.L.B.&M., Uintah County, Utah.

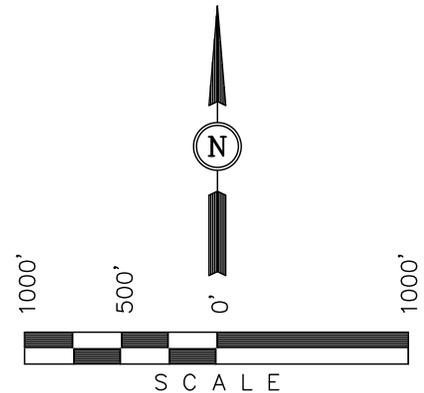


BASIS OF ELEVATION

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, UTAH 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.

BASIS OF BEARINGS

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



CERTIFICATE

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

*Robert Kay*  
 REGISTERED LAND SURVEYOR  
 REGISTRATION NO. 161319  
 STATE OF UTAH

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

LEGEND:

- = 90° SYMBOL
- = PROPOSED WELL HEAD.
- = SECTION CORNERS LOCATED.

| NAD 83 (TARGET BOTTOM HOLE)         |  | NAD 83 (SURFACE LOCATION)           |  |
|-------------------------------------|--|-------------------------------------|--|
| LATITUDE = 40°00'34.67" (40.009631) | LONGITUDE = 109°23'29.92" (109.391644) | LATITUDE = 40°00'32.29" (40.008969) | LONGITUDE = 109°23'26.31" (109.390642) |
| NAD 27 (TARGET BOTTOM HOLE)         |  | NAD 27 (SURFACE LOCATION)           |  |
| LATITUDE = 40°00'34.80" (40.009667) | LONGITUDE = 109°23'27.47" (109.390964) | LATITUDE = 40°00'32.41" (40.009003) | LONGITUDE = 109°23'23.85" (109.389958) |

|                         |                             |                         |
|-------------------------|-----------------------------|-------------------------|
| SCALE<br>1" = 1000'     | DATE SURVEYED:<br>09-15-09  | DATE DRAWN:<br>09-24-09 |
| PARTY<br>G.S. C.R. C.H. | REFERENCES<br>G.L.O. PLAT   |                         |
| WEATHER<br>WARM         | FILE<br>EOG RESOURCES, INC. |                         |

APIWellNo:43047513150000

# EOG RESOURCES, INC.

CWU #1493-25D, #1495-25D, #1492-25D, #1497-25D, #1494-25D & #1496-25D  
LOCATED IN UINTAH COUNTY, UTAH  
SECTION 25, T9S, R22E, S.L.B.&M.



PHOTO: VIEW FROM CORNER #5 TO LOCATION STAKE

CAMERA ANGLE: NORTHEASTERLY



PHOTO: VIEW OF EXISTING ACCESS

CAMERA ANGLE: SOUTHEASTERLY



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

|                        |                |                   |           |           |           |              |
|------------------------|----------------|-------------------|-----------|-----------|-----------|--------------|
| <b>LOCATION PHOTOS</b> |                |                   | <b>09</b> | <b>21</b> | <b>09</b> | <b>PHOTO</b> |
|                        |                |                   | MONTH     | DAY       | YEAR      |              |
| TAKEN BY: G.S.         | DRAWN BY: Z.L. | REVISED: 00-00-00 |           |           |           |              |

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

EOG RESOURCES, INC.

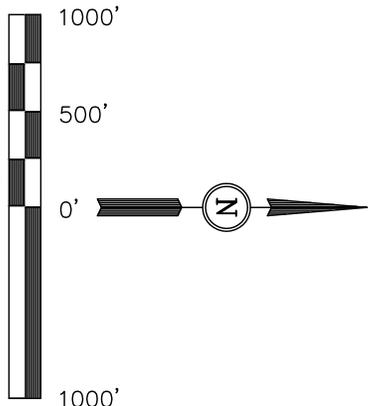
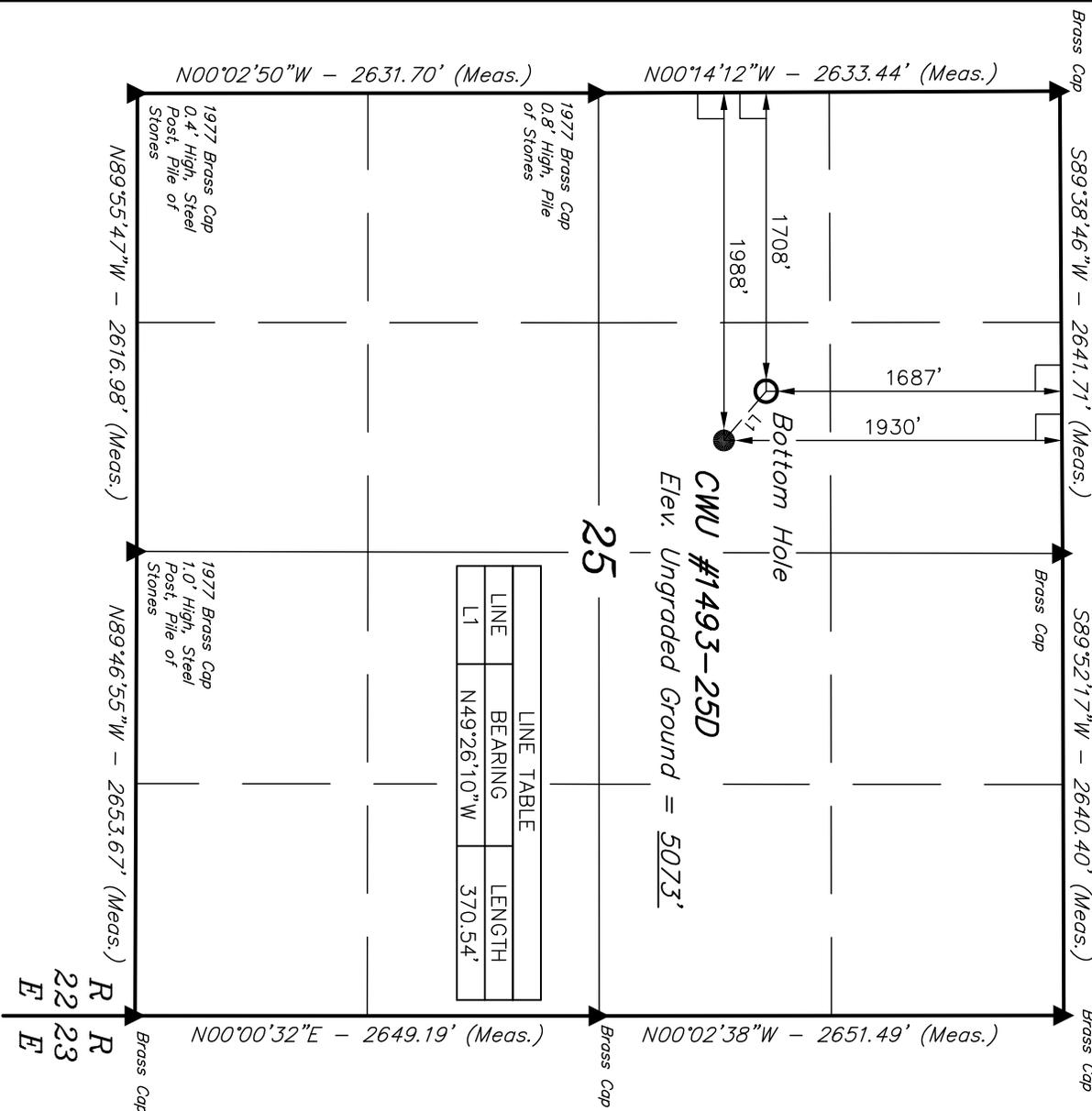
Well location, CWU #1493-25D, located as shown in the SE 1/4 NW 1/4 of Section 25, T9S, R22E, S.L.B.&M., Uintah County, Utah.

**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.

**BASIS OF BEARINGS**

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



**CERTIFICATE**

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

**KAX ROBERTS**  
 REGISTERED LAND SURVEYOR  
 REGISTRATION NO. 161319  
 STATE OF UTAH

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

SCALE 1" = 1000'  
 DATE SURVEYED: 09-15-09 DATE DRAWN: 09-24-09

PARTY G.S. C.R. C.H.  
 WEATHER WARM  
 REFERENCES G.L.O. PLAT  
 FILE EOG RESOURCES, INC.

**LEGEND:**  
 = 90° SYMBOL  
 = PROPOSED WELL HEAD.  
 = SECTION CORNERS LOCATED.

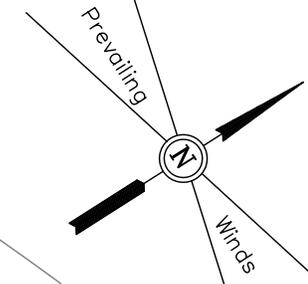
| NAD 83 (TARGET BOTTOM HOLE)            |  | NAD 83 (SURFACE LOCATION)              |  |
|--|--|--|--|
| LATITUDE = 40°00'34.67" (40.009631)    | LATITUDE = 40°00'32.29" (40.008969)    | LATITUDE = 40°00'34.80" (40.009667)    | LATITUDE = 40°00'32.41" (40.009003)    |
| LONGITUDE = 109°23'29.92" (109.391644) | LONGITUDE = 109°23'26.31" (109.390642) | LONGITUDE = 109°23'27.47" (109.390964) | LONGITUDE = 109°23'23.85" (109.389958) |
| NAD 27 (TARGET BOTTOM HOLE)            |  | NAD 27 (SURFACE LOCATION)              |  |
| LATITUDE = 40°00'34.80" (40.009667)    | LATITUDE = 40°00'32.41" (40.009003)    | LATITUDE = 40°00'34.80" (40.009667)    | LATITUDE = 40°00'32.41" (40.009003)    |
| LONGITUDE = 109°23'27.47" (109.390964) | LONGITUDE = 109°23'23.85" (109.389958) | LONGITUDE = 109°23'27.47" (109.390964) | LONGITUDE = 109°23'23.85" (109.389958) |

# EOG RESOURCES, INC.

FIGURE #1

## LOCATION LAYOUT FOR

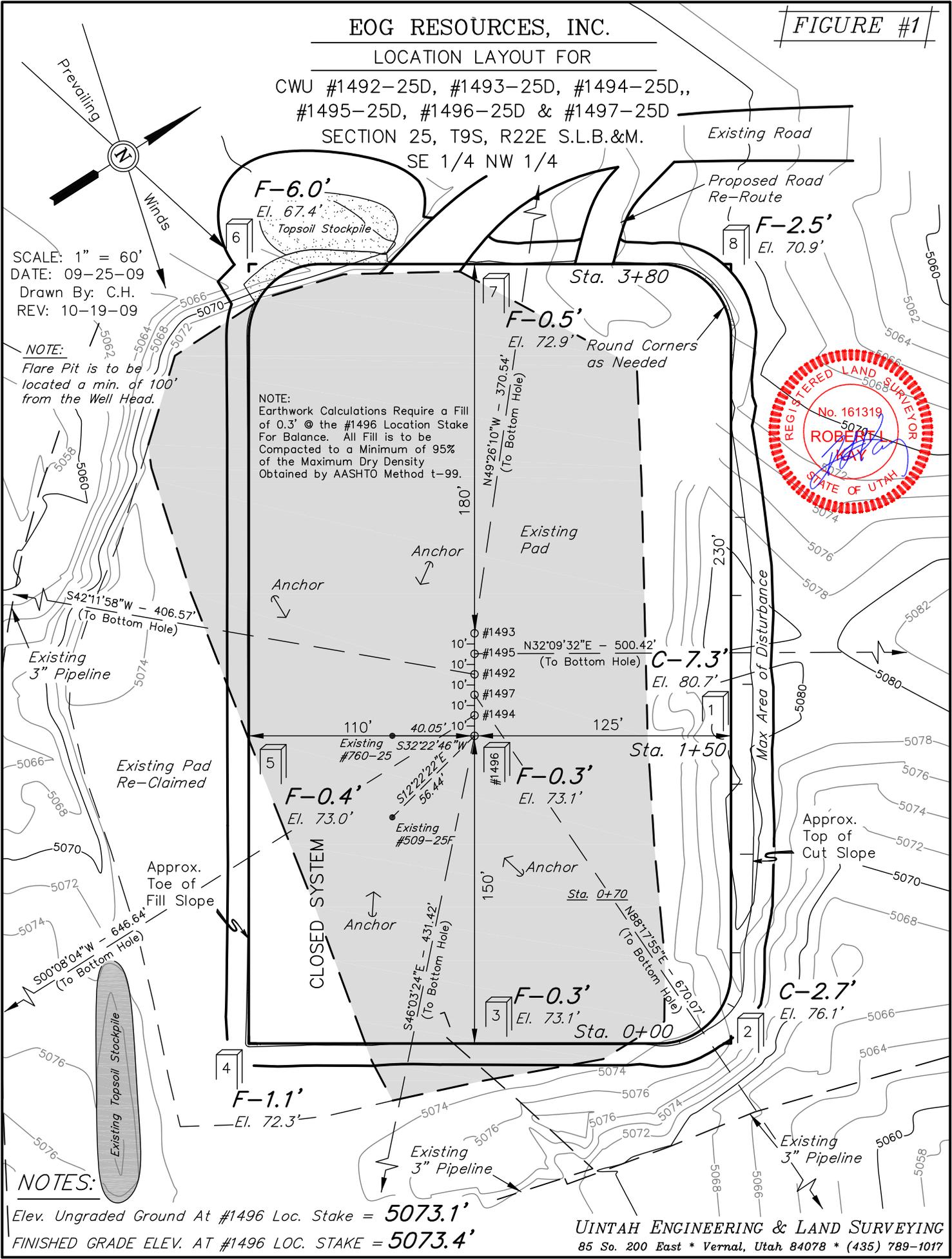
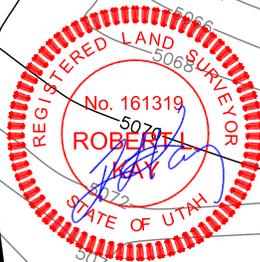
CWU #1492-25D, #1493-25D, #1494-25D,,  
#1495-25D, #1496-25D & #1497-25D  
SECTION 25, T9S, R22E S.L.B.&M.  
SE 1/4 NW 1/4



SCALE: 1" = 60'  
DATE: 09-25-09  
Drawn By: C.H.  
REV: 10-19-09

NOTE:  
Flare Pit is to be located a min. of 100' from the Well Head.

NOTE:  
Earthwork Calculations Require a Fill of 0.3' @ the #1496 Location Stake For Balance. All Fill is to be Compacted to a Minimum of 95% of the Maximum Dry Density Obtained by AASHTO Method t-99.



### NOTES:

Elev. Ungraded Ground At #1496 Loc. Stake = 5073.1'  
FINISHED GRADE ELEV. AT #1496 LOC. STAKE = 5073.4'

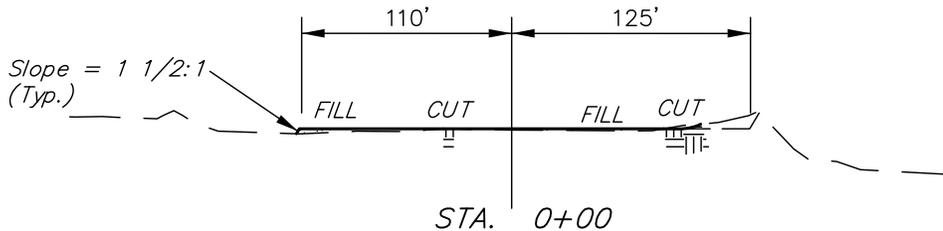
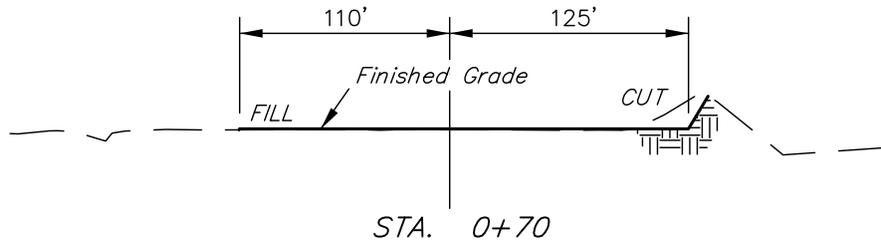
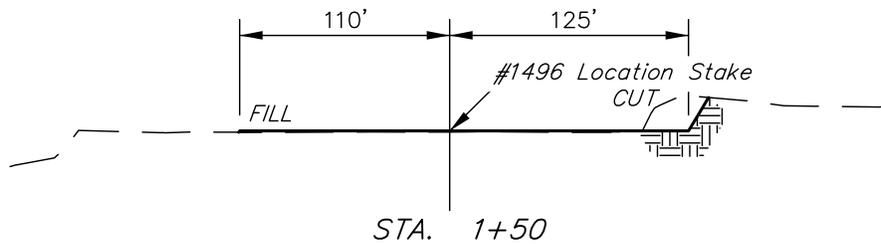
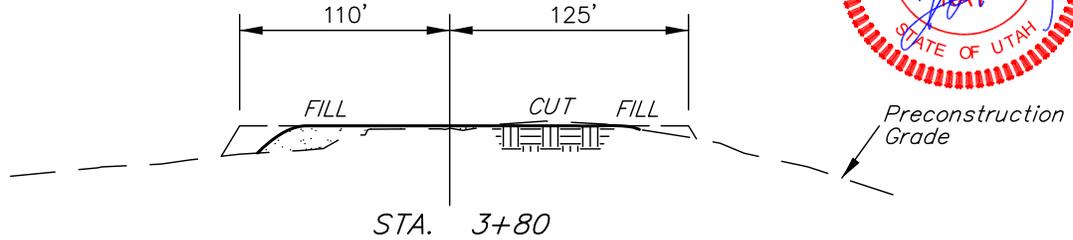
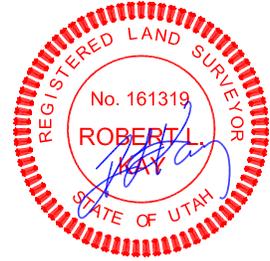
EOG RESOURCES, INC.

FIGURE #2

TYPICAL CROSS SECTIONS FOR

CWU #1492-25D, #1493-25D, #1494-25D,,  
 #1495-25D, #1496-25D & #1497-25D  
 SECTION 25, T9S, R22E S.L.B.&M.  
 SE 1/4 NW 1/4

1" = 40'  
 X-Section Scale  
 1" = 100'  
 DATE: 09-25-09  
 Drawn By: C.H.



NOTE:

Topsoil should not be Stripped Below Finished Grade on Substructure Area.

APPROXIMATE ACREAGES

NEW DISTURBANCE = ±0.403 ACRES

EXISTING DISTURBANCE = ±1.711 ACRES

ROAD RE-ROUTE DISTURBANCE = ±0.038 ACRES

TOTAL = ±2.152 ACRES

\* NOTE:

FILL QUANTITY INCLUDES 5% FOR COMPACTION

APPROXIMATE YARDAGES

|  |   |                      |
|--|---|----------------------|
| CUT (6") Topsoil Stripping (New Construction Only) | = | 420 Cu. Yds.         |
| Remaining Location                                 | = | 1,360 Cu. Yds.       |
| <b>TOTAL CUT</b>                                   | = | <b>1,780 CU.YDS.</b> |
| <b>FILL</b>  | = | <b>1,360 CU.YDS.</b> |

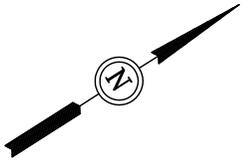
|   |   |              |
|---|---|--------------|
| EXCESS MATERIAL                                 | = | 420 Cu. Yds. |
| Topsoil   | = | 420 Cu. Yds. |
| EXCESS UNBALANCE (After Interim Rehabilitation) | = | 0 Cu. Yds.   |

# EOG RESOURCES, INC.

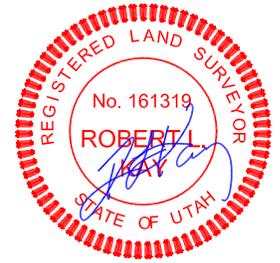
FIGURE #3

## TYPICAL RIG LAYOUT FOR

CWU #1492-25D, #1493-25D, #1494-25D,,  
#1495-25D, #1496-25D & #1497-25D  
SECTION 25, T9S, R22E S.L.B.&M.  
SE 1/4 NW 1/4

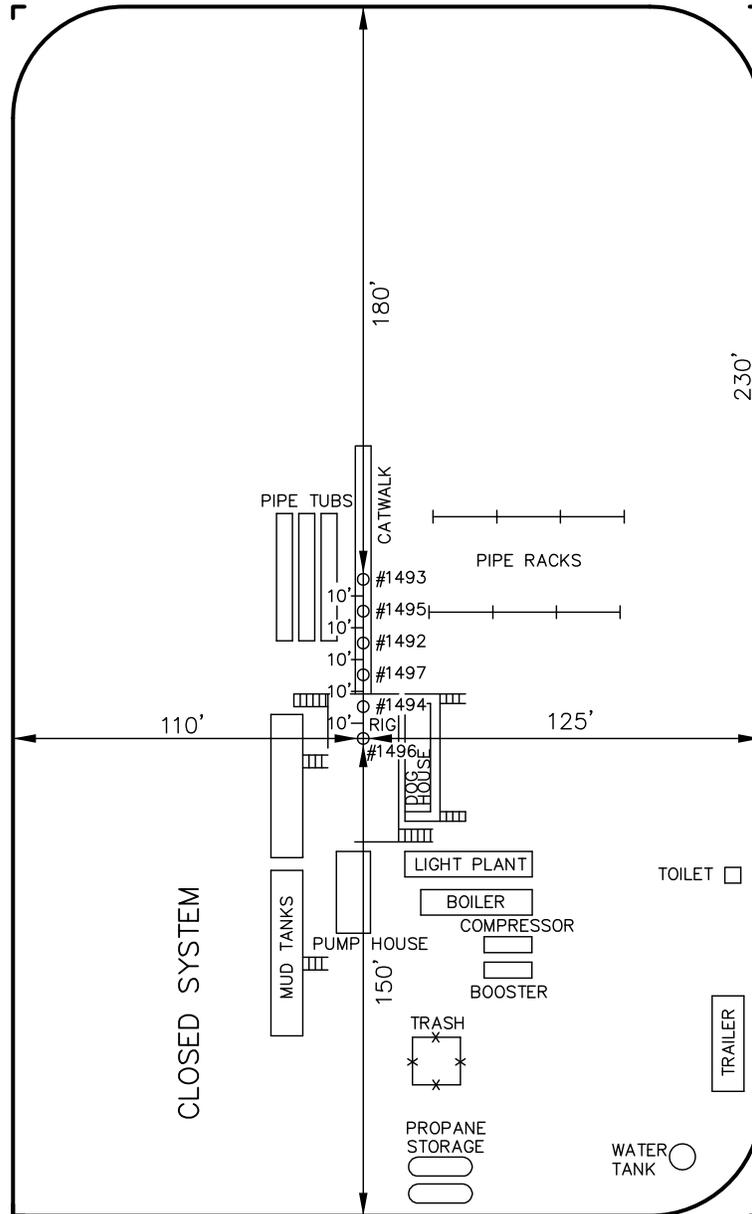


SCALE: 1" = 60'  
DATE: 09-25-09  
Drawn By: C.H.



**NOTE:**

Flare Pit is to be located a min. of 100' from the Well Head.



EOG RESOURCES, INC.

FIGURE #4

PRODUCTION FACILITY LAYOUT FOR

CWU #1492-25D, #1493-25D, #1494-25D,,  
#1495-25D, #1496-25D & #1497-25D

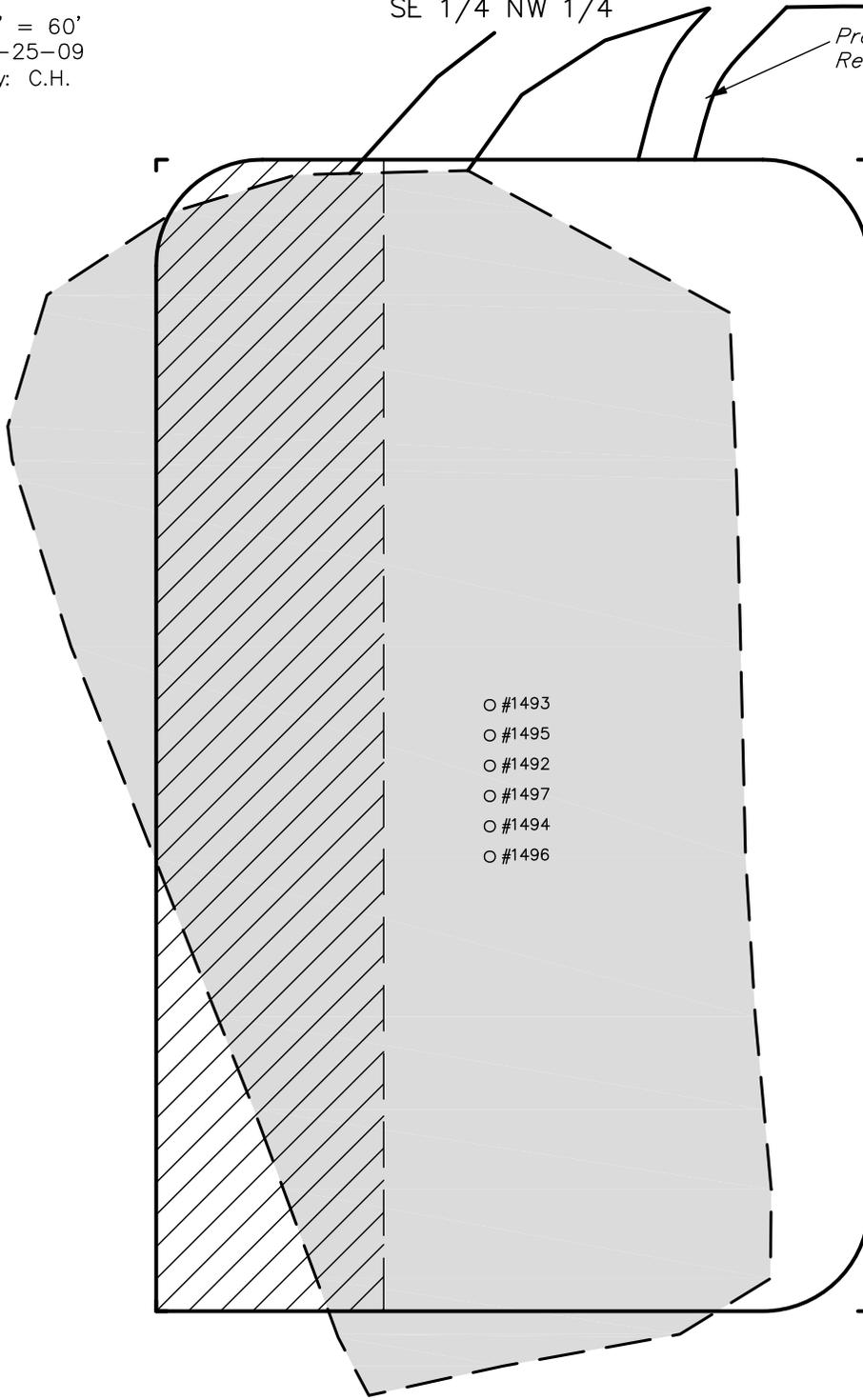
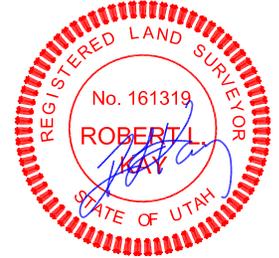
SECTION 25, T9S, R22E S.L.B.&M.

SE 1/4 NW 1/4

Existing Access Road

Proposed Road  
Re-Route

SCALE: 1" = 60'  
DATE: 09-25-09  
Drawn By: C.H.



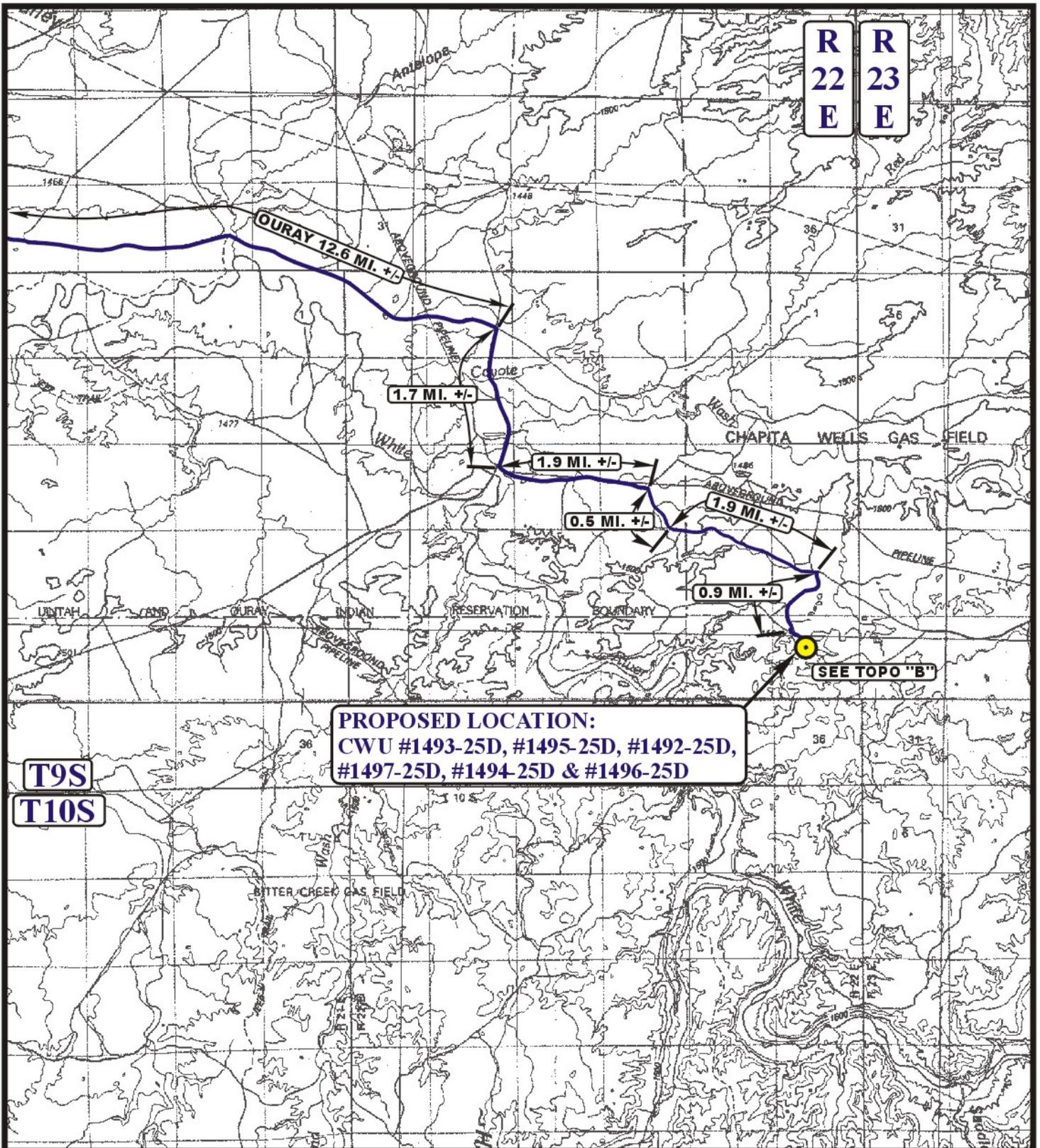
- #1493
- #1495
- #1492
- #1497
- #1494
- #1496

 RE-HABED AREA

**EOG RESOURCES, INC.**  
**CWU #1493-25D, #1495-25D, #1492-25D,**  
**#1497-25D, #1494-25D & #1496-25D**  
**SECTION 25, 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 RIGHT 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 DIRECTION APPROXIMATELY 0.9 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING TO THE SOUTHEAST; TURN LEFT AND PROCEED IN A SOUTHEASTERLY DIRECTION APPROXIMATELY 0.3 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTHWEST; TURN RIGHT AND PROCEED IN A SOUTHWESTERLY DIRECTION APPROXIMATELY 200' TO THE BEGINNING OF THE PROPOSED ACCESS ROAD TO THE SOUTH; FOLLOW ROAD FLAGS IN A SOUTHERLY DIRECTION APPROXIMATELY 65' TO THE PROPOSED LOCATION.

TOTAL DISTANCE FROM VERNAL, UTAH TO THE PROPOSED WELL LOCATION IS APPROXIMATELY 50.8 MILES.



**LEGEND:**

PROPOSED LOCATION

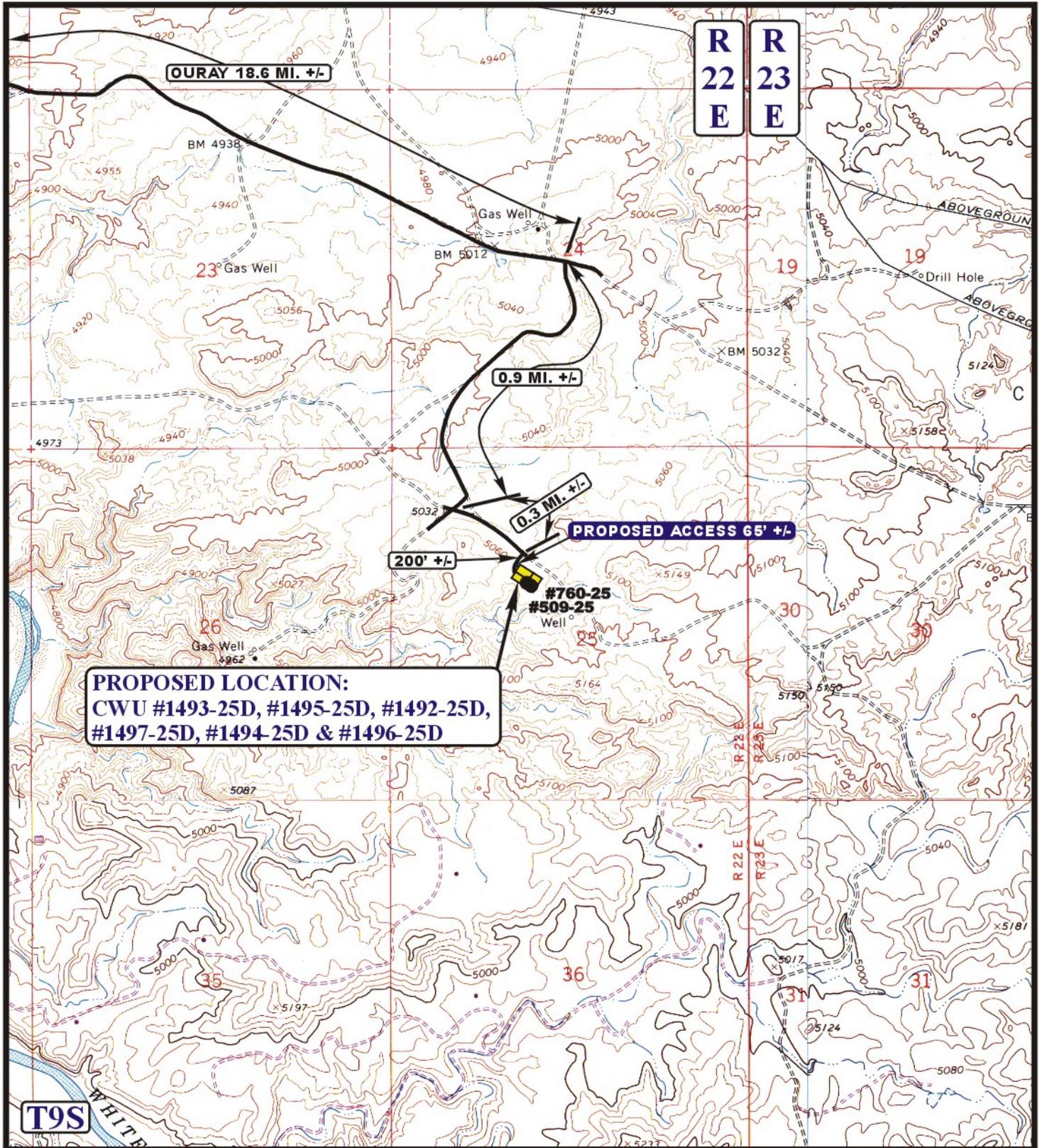


**EOG RESOURCES, INC.**

CWU #1493-25D, #1495-25D, #1492-25D,  
#1497-25D, #1494-25D & #1496-25D  
SECTION 25, T9S, R22E, S.L.B.&M.  
SE 1/4 NW 1/4

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

**TOPOGRAPHIC MAP** **09 21 09**  
MONTH DAY YEAR  
SCALE: 1:100,000 DRAWN BY: Z.L. REVISED: 00-00-00 **A TOPO**



**LEGEND:**

- EXISTING ROAD
- PROPOSED ACCESS ROAD

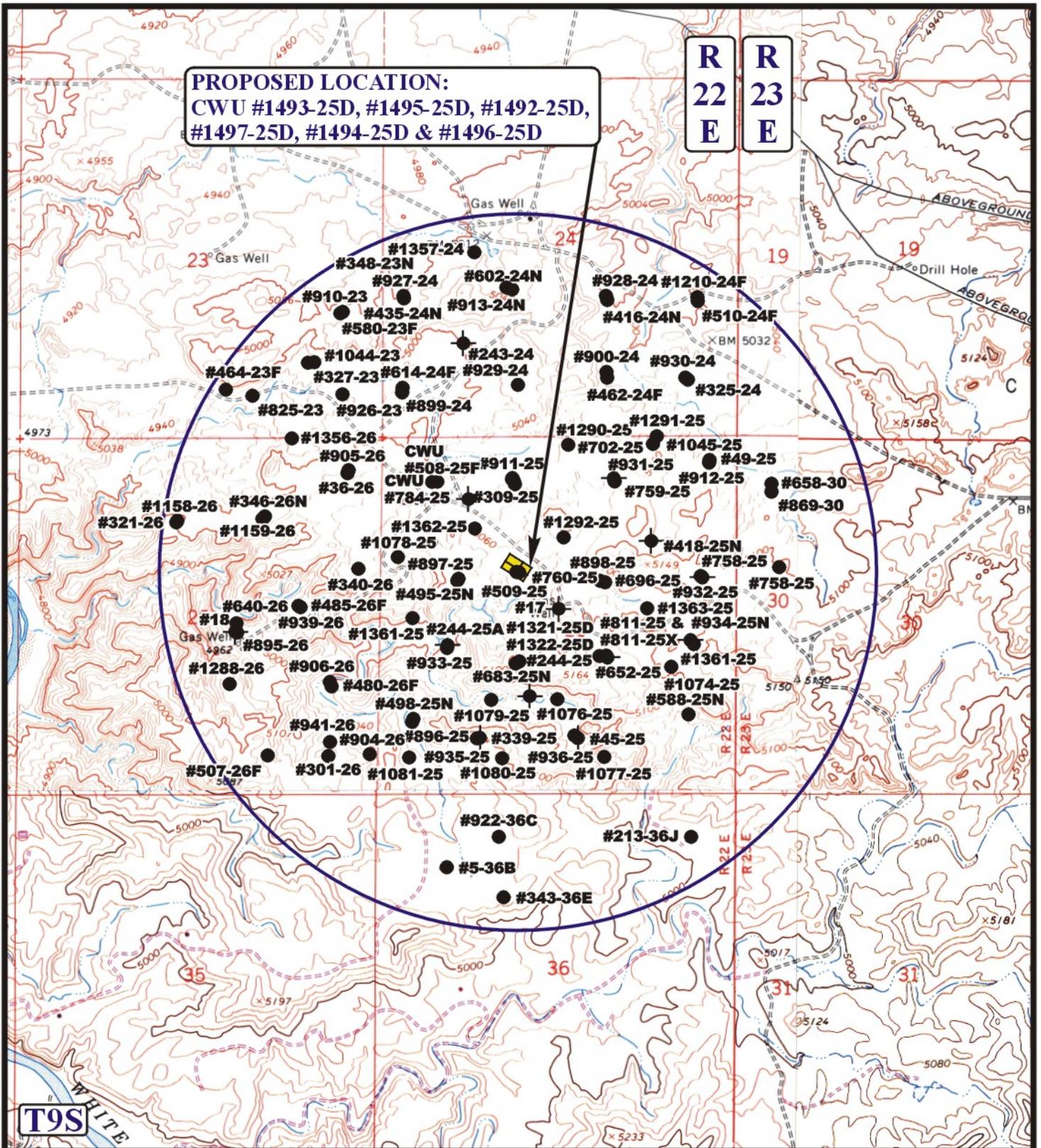


**EOG RESOURCES, INC.**

CWU #1493-25D, #1495-25D, #1492-25D,  
 #1497-25D, #1494-25D & #1496-25D  
 SECTION 25, T9S, R22E, S.L.B.&M.  
 SE 1/4 NW 1/4

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

**TOPOGRAPHIC MAP** **09 21 09**  
 MONTH DAY YEAR  
 SCALE: 1" = 2000' DRAWN BY: Z.L. REVISED: 00-00-00 **B TOPO**



**PROPOSED LOCATION:**  
 CWU #1493-25D, #1495-25D, #1492-25D,  
 #1497-25D, #1494-25D & #1496-25D

**R 22 E**  
**R 23 E**

**T9S**

**LEGEND:**

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

**EOG RESOURCES, INC.**

CWU #1493-25D, #1495-25D, #1492-25D,  
 #1497-25D, #1494-25D & #1496-25D  
 SECTION 25, T9S, R22E, S.L.B.&M.  
 SE 1/4 NW 1/4

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

**TOPOGRAPHIC MAP** 09 21 09  
 MONTH DAY YEAR  
 SCALE: 1" = 2000' DRAWN BY: Z.L. REVISED: 00-00-00





**eog resources**

## **Denver Division - Utah**

**T9S-R22E Sec 25**

**CWU 1492-1497 25D (Pad B2\_CWU 760-25\_Set 5)**

**1493-25D**

**Wellbore #1**

**Plan: APD Plan**

## **Standard Survey Report**

**22 October, 2009**

# EOG Resources

## Survey Report



|                  |   |                                     |                                      |
|------------------|---|-------------------------------------|--------------------------------------|
| <b>Company:</b>  | Denver Division - Utah                      | <b>Local Co-ordinate Reference:</b> | Well 1493-25D                        |
| <b>Project:</b>  | T9S-R22E Sec 25                             | <b>TVD Reference:</b>               | WELL @ 5073.0ft (Original Well Elev) |
| <b>Site:</b>     | CWU 1492-1497 25D (Pad B2_CWU 760-25_Set 5) | <b>MD Reference:</b>                | WELL @ 5073.0ft (Original Well Elev) |
| <b>Well:</b>     | 1493-25D                                    | <b>North Reference:</b>             | True                                 |
| <b>Wellbore:</b> | Wellbore #1                                 | <b>Survey Calculation Method:</b>   | Minimum Curvature                    |
| <b>Design:</b>   | APD Plan                                    | <b>Database:</b>                    | EDM 2003.21 Single User Db           |

|                    |                                      |                      |                |
|--------------------|--------------------------------------|----------------------|----------------|
| <b>Project</b>     | T9S-R22E Sec 25                      |                      |                |
| <b>Map System:</b> | US State Plane 1927 (Exact solution) | <b>System Datum:</b> | Mean Sea Level |
| <b>Geo Datum:</b>  | NAD 1927 (NADCON CONUS)              |                      |                |
| <b>Map Zone:</b>   | Utah North 4301                      |                      |                |

|                              |   |                     |                |                          |                   |
|------------------------------|---|---------------------|----------------|--------------------------|-------------------|
| <b>Site</b>                  | CWU 1492-1497 25D (Pad B2_CWU 760-25_Set 5) |                     |                |                          |                   |
| <b>Site Position:</b>        |   | <b>Northing:</b>    | -111,048.05ft  | <b>Latitude:</b>         | 40° 0' 31.820 N   |
| <b>From:</b>                 | Lat/Long                                    | <b>Easting:</b>     | 2,591,168.21ft | <b>Longitude:</b>        | 109° 23' 23.600 W |
| <b>Position Uncertainty:</b> | 0.0 ft                                      | <b>Slot Radius:</b> | "              | <b>Grid Convergence:</b> | 1.39 °            |

|                             |              |        |                            |                 |                      |                   |
|-----------------------------|--------------|--------|----------------------------|-----------------|----------------------|-------------------|
| <b>Well</b>                 | 1493-25D     |        |                            |                 |                      |                   |
| <b>Well Position</b>        | <b>+N/-S</b> | 0.0 ft | <b>Northing:</b>           | -110,988.80 ft  | <b>Latitude:</b>     | 40° 0' 32.411 N   |
|                             | <b>+E/-W</b> | 0.0 ft | <b>Easting:</b>            | 2,591,147.43 ft | <b>Longitude:</b>    | 109° 23' 23.849 W |
| <b>Position Uncertainty</b> |              | 0.0 ft | <b>Wellhead Elevation:</b> | ft              | <b>Ground Level:</b> | 5,073.0ft         |

|                  |                   |                    |                        |                      |                            |
|------------------|-------------------|--------------------|------------------------|----------------------|----------------------------|
| <b>Wellbore</b>  | Wellbore #1       |                    |                        |                      |                            |
| <b>Magnetics</b> | <b>Model Name</b> | <b>Sample Date</b> | <b>Declination (°)</b> | <b>Dip Angle (°)</b> | <b>Field Strength (nT)</b> |
|                  | IGRF200510        | 5/28/2009          | 11.28                  | 65.96                | 52,580                     |

|                          |                              |                   |                      |                      |
|--------------------------|------------------------------|-------------------|----------------------|----------------------|
| <b>Design</b>            | APD Plan                     |                   |                      |                      |
| <b>Audit Notes:</b>      |                              |                   |                      |                      |
| <b>Version:</b>          | <b>Phase:</b>                | PROTOTYPE         | <b>Tie On Depth:</b> | 0.0                  |
| <b>Vertical Section:</b> | <b>Depth From (TVD) (ft)</b> | <b>+N/-S (ft)</b> | <b>+E/-W (ft)</b>    | <b>Direction (°)</b> |
|                          | 0.0                          | 0.0               | 0.0                  | 310.64               |

|                            |                |                          |                  |                    |
|----------------------------|----------------|--------------------------|------------------|--------------------|
| <b>Survey Tool Program</b> | <b>Date</b>    | 10/22/2009               |                  |                    |
| <b>From (ft)</b>           | <b>To (ft)</b> | <b>Survey (Wellbore)</b> | <b>Tool Name</b> | <b>Description</b> |
| 0.0                        | 9,311.1        | APD Plan (Wellbore #1)   | MWD              | MWD - Standard     |

|                            |                        |                    |                            |                   |                   |                              |                              |                             |                            |  |
|----------------------------|------------------------|--------------------|----------------------------|-------------------|-------------------|------------------------------|------------------------------|-----------------------------|----------------------------|--|
| <b>Planned Survey</b>      |                        |                    |                            |                   |                   |                              |                              |                             |                            |  |
| <b>Measured Depth (ft)</b> | <b>Inclination (°)</b> | <b>Azimuth (°)</b> | <b>Vertical Depth (ft)</b> | <b>+N/-S (ft)</b> | <b>+E/-W (ft)</b> | <b>Vertical Section (ft)</b> | <b>Dogleg Rate (°/100ft)</b> | <b>Build Rate (°/100ft)</b> | <b>Turn Rate (°/100ft)</b> |  |
| 0.0                        | 0.00                   | 0.00               | 0.0                        | 0.0               | 0.0               | 0.0                          | 0.00                         | 0.00                        | 0.00                       |  |
| 100.0                      | 0.00                   | 0.00               | 100.0                      | 0.0               | 0.0               | 0.0                          | 0.00                         | 0.00                        | 0.00                       |  |
| 200.0                      | 0.00                   | 0.00               | 200.0                      | 0.0               | 0.0               | 0.0                          | 0.00                         | 0.00                        | 0.00                       |  |
| 300.0                      | 0.00                   | 0.00               | 300.0                      | 0.0               | 0.0               | 0.0                          | 0.00                         | 0.00                        | 0.00                       |  |
| 400.0                      | 0.00                   | 0.00               | 400.0                      | 0.0               | 0.0               | 0.0                          | 0.00                         | 0.00                        | 0.00                       |  |
| 500.0                      | 1.50                   | 310.64             | 500.0                      | 0.9               | -1.0              | 1.3                          | 1.50                         | 1.50                        | 0.00                       |  |
| 600.0                      | 3.00                   | 310.64             | 599.9                      | 3.4               | -4.0              | 5.2                          | 1.50                         | 1.50                        | 0.00                       |  |
| 700.0                      | 4.50                   | 310.64             | 699.7                      | 7.7               | -8.9              | 11.8                         | 1.50                         | 1.50                        | 0.00                       |  |
| 800.0                      | 6.00                   | 310.64             | 799.3                      | 13.6              | -15.9             | 20.9                         | 1.50                         | 1.50                        | 0.00                       |  |
| 900.0                      | 7.50                   | 310.64             | 898.6                      | 21.3              | -24.8             | 32.7                         | 1.50                         | 1.50                        | 0.00                       |  |
| 1,000.0                    | 9.00                   | 310.64             | 997.5                      | 30.6              | -35.7             | 47.0                         | 1.50                         | 1.50                        | 0.00                       |  |
| 1,100.0                    | 9.00                   | 310.64             | 1,096.3                    | 40.8              | -47.6             | 62.7                         | 0.00                         | 0.00                        | 0.00                       |  |



|                  |   |                                     |                                      |
|------------------|---|-------------------------------------|--------------------------------------|
| <b>Company:</b>  | Denver Division - Utah                      | <b>Local Co-ordinate Reference:</b> | Well 1493-25D                        |
| <b>Project:</b>  | T9S-R22E Sec 25                             | <b>TVD Reference:</b>               | WELL @ 5073.0ft (Original Well Elev) |
| <b>Site:</b>     | CWU 1492-1497 25D (Pad B2_CWU 760-25_Set 5) | <b>MD Reference:</b>                | WELL @ 5073.0ft (Original Well Elev) |
| <b>Well:</b>     | 1493-25D                                    | <b>North Reference:</b>             | True                                 |
| <b>Wellbore:</b> | Wellbore #1                                 | <b>Survey Calculation Method:</b>   | Minimum Curvature                    |
| <b>Design:</b>   | APD Plan                                    | <b>Database:</b>                    | EDM 2003.21 Single User Db           |

**Planned Survey**

| Measured Depth (ft) | Inclination (°) | Azimuth (°) | Vertical Depth (ft) | +N/-S (ft) | +E/-W (ft) | Vertical Section (ft) | Dogleg Rate (°/100ft) | Build Rate (°/100ft) | Turn Rate (°/100ft) |
|---------------------|-----------------|-------------|---------------------|------------|------------|-----------------------|-----------------------|----------------------|---------------------|
| 1,200.0             | 9.00            | 310.64      | 1,195.1             | 51.0       | -59.4      | 78.3                  | 0.00                  | 0.00                 | 0.00                |
| 1,300.0             | 9.00            | 310.64      | 1,293.8             | 61.2       | -71.3      | 94.0                  | 0.00                  | 0.00                 | 0.00                |
| 1,400.0             | 9.00            | 310.64      | 1,392.6             | 71.4       | -83.2      | 109.6                 | 0.00                  | 0.00                 | 0.00                |
| 1,500.0             | 9.00            | 310.64      | 1,491.4             | 81.6       | -95.0      | 125.2                 | 0.00                  | 0.00                 | 0.00                |
| 1,600.0             | 9.00            | 310.64      | 1,590.1             | 91.8       | -106.9     | 140.9                 | 0.00                  | 0.00                 | 0.00                |
| 1,700.0             | 9.00            | 310.64      | 1,688.9             | 102.0      | -118.8     | 156.5                 | 0.00                  | 0.00                 | 0.00                |
| 1,800.0             | 9.00            | 310.64      | 1,787.7             | 112.1      | -130.6     | 172.2                 | 0.00                  | 0.00                 | 0.00                |
| 1,900.0             | 9.00            | 310.64      | 1,886.5             | 122.3      | -142.5     | 187.8                 | 0.00                  | 0.00                 | 0.00                |
| 2,000.0             | 9.00            | 310.64      | 1,985.2             | 132.5      | -154.4     | 203.5                 | 0.00                  | 0.00                 | 0.00                |
| 2,100.0             | 9.00            | 310.64      | 2,084.0             | 142.7      | -166.3     | 219.1                 | 0.00                  | 0.00                 | 0.00                |
| 2,200.0             | 9.00            | 310.64      | 2,182.8             | 152.9      | -178.1     | 234.7                 | 0.00                  | 0.00                 | 0.00                |
| 2,300.0             | 9.00            | 310.64      | 2,281.5             | 163.1      | -190.0     | 250.4                 | 0.00                  | 0.00                 | 0.00                |
| 2,400.0             | 9.00            | 310.64      | 2,380.3             | 173.3      | -201.9     | 266.0                 | 0.00                  | 0.00                 | 0.00                |
| 2,500.0             | 9.00            | 310.64      | 2,479.1             | 183.5      | -213.7     | 281.7                 | 0.00                  | 0.00                 | 0.00                |
| 2,600.0             | 9.00            | 310.64      | 2,577.8             | 193.7      | -225.6     | 297.3                 | 0.00                  | 0.00                 | 0.00                |
| 2,623.0             | 9.00            | 310.64      | 2,600.6             | 196.0      | -228.3     | 300.9                 | 0.00                  | 0.00                 | 0.00                |
| 2,700.0             | 8.23            | 310.64      | 2,676.7             | 203.5      | -237.1     | 312.5                 | 1.00                  | -1.00                | 0.00                |
| 2,800.0             | 7.23            | 310.64      | 2,775.8             | 212.3      | -247.3     | 325.9                 | 1.00                  | -1.00                | 0.00                |
| 2,900.0             | 6.23            | 310.64      | 2,875.1             | 219.9      | -256.2     | 337.6                 | 1.00                  | -1.00                | 0.00                |
| 3,000.0             | 5.23            | 310.64      | 2,974.6             | 226.4      | -263.8     | 347.6                 | 1.00                  | -1.00                | 0.00                |
| 3,100.0             | 4.23            | 310.64      | 3,074.2             | 231.8      | -270.0     | 355.9                 | 1.00                  | -1.00                | 0.00                |
| 3,200.0             | 3.23            | 310.64      | 3,174.0             | 236.0      | -275.0     | 362.4                 | 1.00                  | -1.00                | 0.00                |
| 3,300.0             | 2.23            | 310.64      | 3,273.9             | 239.1      | -278.6     | 367.1                 | 1.00                  | -1.00                | 0.00                |
| 3,400.0             | 1.23            | 310.64      | 3,373.9             | 241.1      | -280.9     | 370.1                 | 1.00                  | -1.00                | 0.00                |
| 3,500.0             | 0.23            | 310.64      | 3,473.9             | 241.9      | -281.8     | 371.4                 | 1.00                  | -1.00                | 0.00                |
| 3,523.0             | 0.00            | 0.00        | 3,496.9             | 241.9      | -281.9     | 371.5                 | 1.00                  | -1.00                | 0.00                |
| 3,600.0             | 0.00            | 0.00        | 3,573.9             | 241.9      | -281.9     | 371.5                 | 0.00                  | 0.00                 | 0.00                |
| 3,700.0             | 0.00            | 0.00        | 3,673.9             | 241.9      | -281.9     | 371.5                 | 0.00                  | 0.00                 | 0.00                |
| 3,800.0             | 0.00            | 0.00        | 3,773.9             | 241.9      | -281.9     | 371.5                 | 0.00                  | 0.00                 | 0.00                |
| 3,900.0             | 0.00            | 0.00        | 3,873.9             | 241.9      | -281.9     | 371.5                 | 0.00                  | 0.00                 | 0.00                |
| 4,000.0             | 0.00            | 0.00        | 3,973.9             | 241.9      | -281.9     | 371.5                 | 0.00                  | 0.00                 | 0.00                |
| 4,100.0             | 0.00            | 0.00        | 4,073.9             | 241.9      | -281.9     | 371.5                 | 0.00                  | 0.00                 | 0.00                |
| 4,200.0             | 0.00            | 0.00        | 4,173.9             | 241.9      | -281.9     | 371.5                 | 0.00                  | 0.00                 | 0.00                |
| 4,300.0             | 0.00            | 0.00        | 4,273.9             | 241.9      | -281.9     | 371.5                 | 0.00                  | 0.00                 | 0.00                |
| 4,400.0             | 0.00            | 0.00        | 4,373.9             | 241.9      | -281.9     | 371.5                 | 0.00                  | 0.00                 | 0.00                |
| 4,500.0             | 0.00            | 0.00        | 4,473.9             | 241.9      | -281.9     | 371.5                 | 0.00                  | 0.00                 | 0.00                |
| 4,600.0             | 0.00            | 0.00        | 4,573.9             | 241.9      | -281.9     | 371.5                 | 0.00                  | 0.00                 | 0.00                |
| 4,700.0             | 0.00            | 0.00        | 4,673.9             | 241.9      | -281.9     | 371.5                 | 0.00                  | 0.00                 | 0.00                |
| 4,800.0             | 0.00            | 0.00        | 4,773.9             | 241.9      | -281.9     | 371.5                 | 0.00                  | 0.00                 | 0.00                |
| 4,900.0             | 0.00            | 0.00        | 4,873.9             | 241.9      | -281.9     | 371.5                 | 0.00                  | 0.00                 | 0.00                |
| 5,000.0             | 0.00            | 0.00        | 4,973.9             | 241.9      | -281.9     | 371.5                 | 0.00                  | 0.00                 | 0.00                |
| 5,100.0             | 0.00            | 0.00        | 5,073.9             | 241.9      | -281.9     | 371.5                 | 0.00                  | 0.00                 | 0.00                |
| 5,200.0             | 0.00            | 0.00        | 5,173.9             | 241.9      | -281.9     | 371.5                 | 0.00                  | 0.00                 | 0.00                |
| 5,300.0             | 0.00            | 0.00        | 5,273.9             | 241.9      | -281.9     | 371.5                 | 0.00                  | 0.00                 | 0.00                |
| 5,400.0             | 0.00            | 0.00        | 5,373.9             | 241.9      | -281.9     | 371.5                 | 0.00                  | 0.00                 | 0.00                |
| 5,500.0             | 0.00            | 0.00        | 5,473.9             | 241.9      | -281.9     | 371.5                 | 0.00                  | 0.00                 | 0.00                |
| 5,600.0             | 0.00            | 0.00        | 5,573.9             | 241.9      | -281.9     | 371.5                 | 0.00                  | 0.00                 | 0.00                |
| 5,700.0             | 0.00            | 0.00        | 5,673.9             | 241.9      | -281.9     | 371.5                 | 0.00                  | 0.00                 | 0.00                |
| 5,800.0             | 0.00            | 0.00        | 5,773.9             | 241.9      | -281.9     | 371.5                 | 0.00                  | 0.00                 | 0.00                |
| 5,900.0             | 0.00            | 0.00        | 5,873.9             | 241.9      | -281.9     | 371.5                 | 0.00                  | 0.00                 | 0.00                |
| 6,000.0             | 0.00            | 0.00        | 5,973.9             | 241.9      | -281.9     | 371.5                 | 0.00                  | 0.00                 | 0.00                |
| 6,100.0             | 0.00            | 0.00        | 6,073.9             | 241.9      | -281.9     | 371.5                 | 0.00                  | 0.00                 | 0.00                |
| 6,200.0             | 0.00            | 0.00        | 6,173.9             | 241.9      | -281.9     | 371.5                 | 0.00                  | 0.00                 | 0.00                |

# EOG Resources

## Survey Report



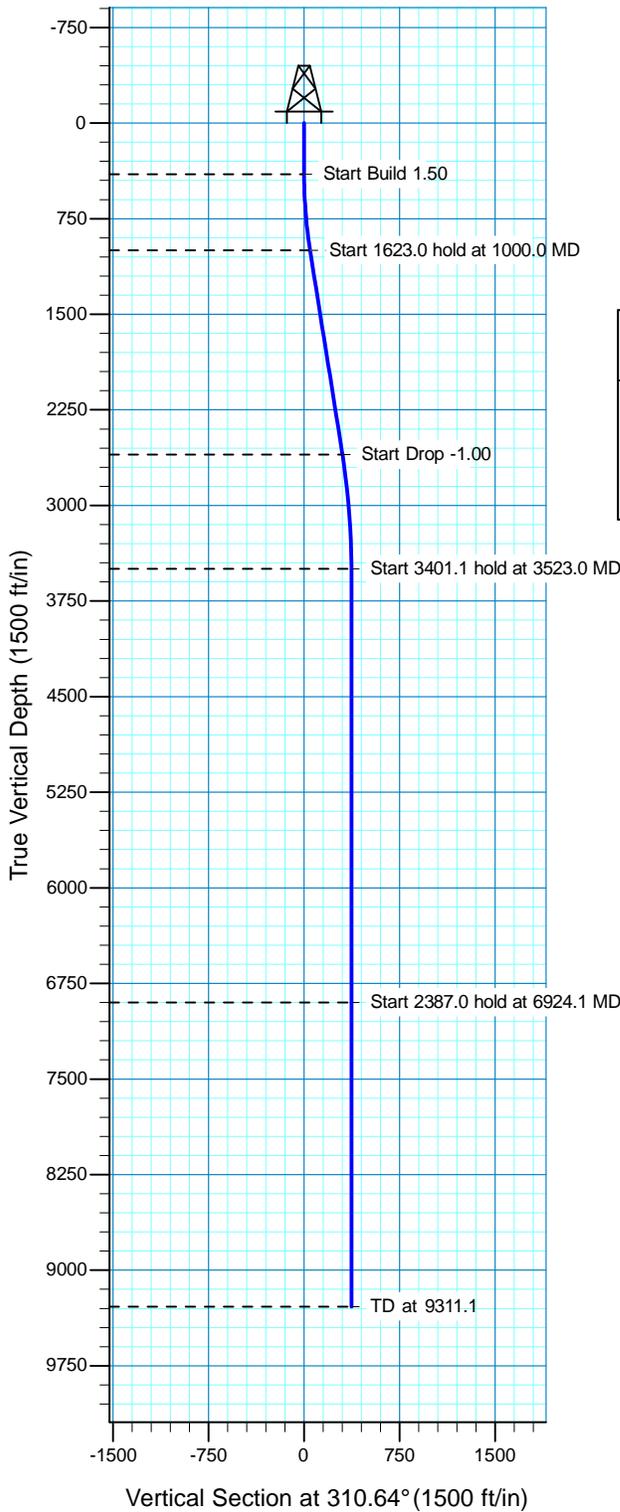
|                  |   |                                     |                                      |
|------------------|---|-------------------------------------|--------------------------------------|
| <b>Company:</b>  | Denver Division - Utah                      | <b>Local Co-ordinate Reference:</b> | Well 1493-25D                        |
| <b>Project:</b>  | T9S-R22E Sec 25                             | <b>TVD Reference:</b>               | WELL @ 5073.0ft (Original Well Elev) |
| <b>Site:</b>     | CWU 1492-1497 25D (Pad B2_CWU 760-25_Set 5) | <b>MD Reference:</b>                | WELL @ 5073.0ft (Original Well Elev) |
| <b>Well:</b>     | 1493-25D                                    | <b>North Reference:</b>             | True                                 |
| <b>Wellbore:</b> | Wellbore #1                                 | <b>Survey Calculation Method:</b>   | Minimum Curvature                    |
| <b>Design:</b>   | APD Plan                                    | <b>Database:</b>                    | EDM 2003.21 Single User Db           |

| Planned Survey      |                 |             |                     |            |            |                       |                       |                      |                     |
|---------------------|-----------------|-------------|---------------------|------------|------------|-----------------------|-----------------------|----------------------|---------------------|
| Measured Depth (ft) | Inclination (°) | Azimuth (°) | Vertical Depth (ft) | +N/-S (ft) | +E/-W (ft) | Vertical Section (ft) | Dogleg Rate (°/100ft) | Build Rate (°/100ft) | Turn Rate (°/100ft) |
| 6,300.0             | 0.00            | 0.00        | 6,273.9             | 241.9      | -281.9     | 371.5                 | 0.00                  | 0.00                 | 0.00                |
| 6,400.0             | 0.00            | 0.00        | 6,373.9             | 241.9      | -281.9     | 371.5                 | 0.00                  | 0.00                 | 0.00                |
| 6,500.0             | 0.00            | 0.00        | 6,473.9             | 241.9      | -281.9     | 371.5                 | 0.00                  | 0.00                 | 0.00                |
| 6,600.0             | 0.00            | 0.00        | 6,573.9             | 241.9      | -281.9     | 371.5                 | 0.00                  | 0.00                 | 0.00                |
| 6,700.0             | 0.00            | 0.00        | 6,673.9             | 241.9      | -281.9     | 371.5                 | 0.00                  | 0.00                 | 0.00                |
| 6,800.0             | 0.00            | 0.00        | 6,773.9             | 241.9      | -281.9     | 371.5                 | 0.00                  | 0.00                 | 0.00                |
| 6,900.0             | 0.00            | 0.00        | 6,873.9             | 241.9      | -281.9     | 371.5                 | 0.00                  | 0.00                 | 0.00                |
| 6,924.1             | 0.00            | 0.00        | 6,898.0             | 241.9      | -281.9     | 371.5                 | 0.00                  | 0.00                 | 0.00                |
| 7,000.0             | 0.00            | 0.00        | 6,973.9             | 241.9      | -281.9     | 371.5                 | 0.00                  | 0.00                 | 0.00                |
| 7,100.0             | 0.00            | 0.00        | 7,073.9             | 241.9      | -281.9     | 371.5                 | 0.00                  | 0.00                 | 0.00                |
| 7,200.0             | 0.00            | 0.00        | 7,173.9             | 241.9      | -281.9     | 371.5                 | 0.00                  | 0.00                 | 0.00                |
| 7,300.0             | 0.00            | 0.00        | 7,273.9             | 241.9      | -281.9     | 371.5                 | 0.00                  | 0.00                 | 0.00                |
| 7,400.0             | 0.00            | 0.00        | 7,373.9             | 241.9      | -281.9     | 371.5                 | 0.00                  | 0.00                 | 0.00                |
| 7,500.0             | 0.00            | 0.00        | 7,473.9             | 241.9      | -281.9     | 371.5                 | 0.00                  | 0.00                 | 0.00                |
| 7,600.0             | 0.00            | 0.00        | 7,573.9             | 241.9      | -281.9     | 371.5                 | 0.00                  | 0.00                 | 0.00                |
| 7,700.0             | 0.00            | 0.00        | 7,673.9             | 241.9      | -281.9     | 371.5                 | 0.00                  | 0.00                 | 0.00                |
| 7,800.0             | 0.00            | 0.00        | 7,773.9             | 241.9      | -281.9     | 371.5                 | 0.00                  | 0.00                 | 0.00                |
| 7,900.0             | 0.00            | 0.00        | 7,873.9             | 241.9      | -281.9     | 371.5                 | 0.00                  | 0.00                 | 0.00                |
| 8,000.0             | 0.00            | 0.00        | 7,973.9             | 241.9      | -281.9     | 371.5                 | 0.00                  | 0.00                 | 0.00                |
| 8,100.0             | 0.00            | 0.00        | 8,073.9             | 241.9      | -281.9     | 371.5                 | 0.00                  | 0.00                 | 0.00                |
| 8,200.0             | 0.00            | 0.00        | 8,173.9             | 241.9      | -281.9     | 371.5                 | 0.00                  | 0.00                 | 0.00                |
| 8,300.0             | 0.00            | 0.00        | 8,273.9             | 241.9      | -281.9     | 371.5                 | 0.00                  | 0.00                 | 0.00                |
| 8,400.0             | 0.00            | 0.00        | 8,373.9             | 241.9      | -281.9     | 371.5                 | 0.00                  | 0.00                 | 0.00                |
| 8,500.0             | 0.00            | 0.00        | 8,473.9             | 241.9      | -281.9     | 371.5                 | 0.00                  | 0.00                 | 0.00                |
| 8,600.0             | 0.00            | 0.00        | 8,573.9             | 241.9      | -281.9     | 371.5                 | 0.00                  | 0.00                 | 0.00                |
| 8,700.0             | 0.00            | 0.00        | 8,673.9             | 241.9      | -281.9     | 371.5                 | 0.00                  | 0.00                 | 0.00                |
| 8,800.0             | 0.00            | 0.00        | 8,773.9             | 241.9      | -281.9     | 371.5                 | 0.00                  | 0.00                 | 0.00                |
| 8,900.0             | 0.00            | 0.00        | 8,873.9             | 241.9      | -281.9     | 371.5                 | 0.00                  | 0.00                 | 0.00                |
| 9,000.0             | 0.00            | 0.00        | 8,973.9             | 241.9      | -281.9     | 371.5                 | 0.00                  | 0.00                 | 0.00                |
| 9,100.0             | 0.00            | 0.00        | 9,073.9             | 241.9      | -281.9     | 371.5                 | 0.00                  | 0.00                 | 0.00                |
| 9,200.0             | 0.00            | 0.00        | 9,173.9             | 241.9      | -281.9     | 371.5                 | 0.00                  | 0.00                 | 0.00                |
| 9,300.0             | 0.00            | 0.00        | 9,273.9             | 241.9      | -281.9     | 371.5                 | 0.00                  | 0.00                 | 0.00                |
| 9,311.1             | 0.00            | 0.00        | 9,285.0             | 241.9      | -281.9     | 371.5                 | 0.00                  | 0.00                 | 0.00                |

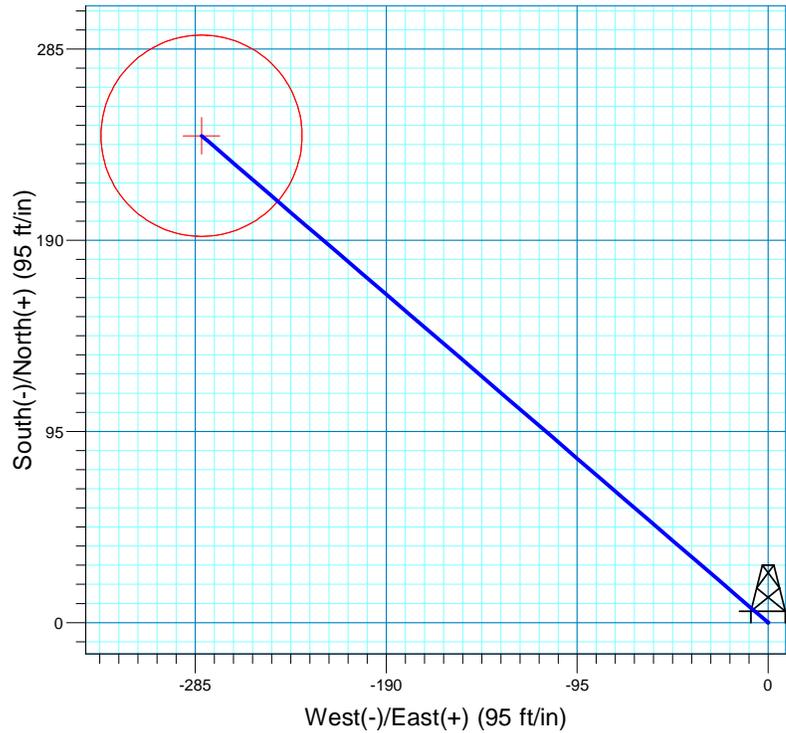
| Design Targets  |               |              |          |            |            |               |              |                 |                   |
|---|---------------|--------------|----------|------------|------------|---------------|--------------|-----------------|-------------------|
| Target Name   | Dip Angle (°) | Dip Dir. (°) | TVD (ft) | +N/-S (ft) | +E/-W (ft) | Northing (ft) | Easting (ft) | Latitude        | Longitude         |
| CWU 1493-25D<br>- hit/miss target<br>- Shape<br>- plan hits target center<br>- Circle (radius 50.0) | 0.00          | 0.00         | 6,898.0  | 241.9      | -281.9     | -110,753.77   | 2,590,859.77 | 40° 0' 34.801 N | 109° 23' 27.470 W |

Checked By: \_\_\_\_\_ Approved By: \_\_\_\_\_ Date: \_\_\_\_\_

**CWU 1493-25D**  
**Section 25 T9S R22E**  
**Uintah County, UT**



| Surface Location         |            |                          |                   |
|--------------------------|------------|--------------------------|-------------------|
| NAD 1927 (NADCON CONUS)  |            | Utah North 4301          |                   |
| Ground Elevation: 5073.0 |            | RIG @ 5092.0ft (TRUE 34) |                   |
| Northing                 | Easting    | Latitude                 | Longitude         |
| 0.0 -110988.80           | 2591147.43 | 40° 0' 32.411 N          | 109° 23' 23.849 W |



Project: T9S-R22E Sec 25  
 Site: CWU 1492-1497 25D (Pad B2\_CWU 760-25\_Set 5)  
 Well: 1493-25D  
 Plan: APD Plan



Azimuths to True North  
 Magnetic North: 11.28°  
 Magnetic Field  
 Strength: 52580.5snT  
 Dip Angle: 65.96°  
 Date: 5/28/2009  
 Model: IGRF200510

| SECTION DETAILS |        |      |        |        |       |        |      |        |       |              |  |
|-----------------|--------|------|--------|--------|-------|--------|------|--------|-------|--------------|--|
| Sec             | MD     | Inc  | Azi    | TVD    | +N/-S | +E/-W  | DLeg | TFace  | VSec  | Target       |  |
| 1               | 0.0    | 0.00 | 0.00   | 0.0    | 0.0   | 0.0    | 0.00 | 0.00   | 0.0   |              |  |
| 2               | 400.0  | 0.00 | 0.00   | 400.0  | 0.0   | 0.0    | 0.00 | 0.00   | 0.0   |              |  |
| 3               | 1000.0 | 9.00 | 310.64 | 997.5  | 30.6  | -35.7  | 1.50 | 310.64 | 47.0  |              |  |
| 4               | 2623.0 | 9.00 | 310.64 | 2600.6 | 196.0 | -228.3 | 0.00 | 0.00   | 300.9 |              |  |
| 5               | 3523.0 | 0.00 | 0.00   | 3496.9 | 241.9 | -281.9 | 1.00 | 180.00 | 371.5 |              |  |
| 6               | 6924.1 | 0.00 | 0.00   | 6898.0 | 241.9 | -281.9 | 0.00 | 0.00   | 371.5 | CWU 1493-25D |  |
| 7               | 9311.1 | 0.00 | 0.00   | 9285.0 | 241.9 | -281.9 | 0.00 | 0.00   | 371.5 |              |  |

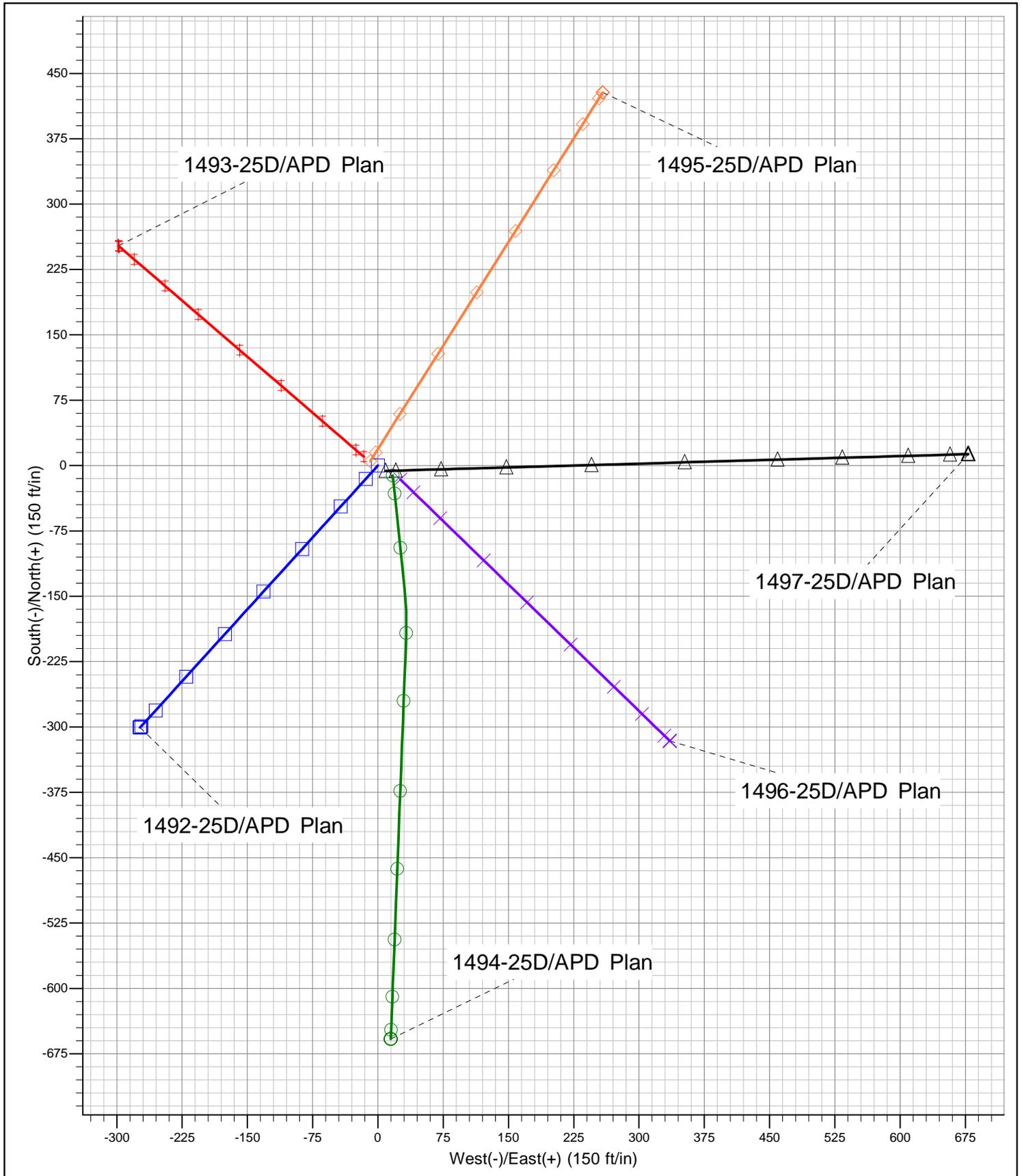
  

| TARGET DETAILS |        |       |        |            |            |                 |                   |                       |
|----------------|--------|-------|--------|------------|------------|-----------------|-------------------|-----------------------|
| Name           | TVD    | +N/-S | +E/-W  | Northing   | Easting    | Latitude        | Longitude         | Shape                 |
| CWU 1493-25D   | 6898.0 | 241.9 | -281.9 | -110753.77 | 2590859.77 | 40° 0' 34.801 N | 109° 23' 27.470 W | Circle (Radius: 50.0) |

'APIWellNo:43047513150000'

**CWU 1492-25D, CWU 1493-25D, CWU 1494-25D  
CWU 1495-25D, CWU 1496-25D, CWU 1497-25D**

SE/NW, SEC. 25 T9S, R22E, S.L.B. & M.  
UINTAH COUNTY, UTAH





**Chapita Wells Unit 1492-25D, 1493-25D, 1494-25D, 1495-25D,  
1496-25D, 1497-25D  
SENW, Section 25, T9S, R22E  
Uintah County, Utah**

**SURFACE USE PLAN**

The well pad is approximately 442 feet long with a 235-foot width, containing 2.38 acres more or less. New surface disturbance associated with the well pad is estimated to be 2.38 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 50.5 miles south of Vernal, Utah – See attached TOPO Map "A".
- C. Refer to attached Topographic Map "A" showing labeled access route to location.
- D. Existing roads will be maintained and repaired as necessary.

**2. PLANNED ACCESS ROAD:**

- A. The existing access road for the producing well CWU 509-25F and the CWU 760-25 will be used to access the proposed locations.
- B. 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.

Traveling off the 30-foot right-of-way will not be allowed. The access road and associated drainage structures will be 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, six (6) to Ten (10) 400-bbl vertical tanks and associated pipe.
2. Gas gathering lines – A 4" gathering line will be buried from the dehy unit 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 the CWU 509-25F and the CWU 760-25 will be used.
4. Proposed pipeline will be a 4" OD steel, zap-lok line laid on the surface
5. Proposed pipeline will be laid on surface.
6. 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 and drill cuttings, 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 Bonanza Power Plant water source in Sec 26, T8S, R23E, Uintah County, UT (State Water Right # 49-225(A31368)).

- B. Water will be hauled by a licensed trucking company.
- C. No water well will be drilled on lease.

**6. SOURCE OF CONSTRUCTION MATERIALS:**

- A. All construction material for this pipeline will be of native borrow and soil accumulated during the construction of the location.
- B. No mineral materials will be required.

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

**A. METHODS AND LOCATION**

- 1. Cuttings will be confined and dries within the Closed Loop System. Dried cuttings will be spread on the authorized access road and the well pad.
  - 2. Drill cuttings will be mixed with the road base and used for the construction of containment berms. The containment berms will be sufficiently impervious, hold 110 percent capacity of the largest tank and be independent of the back cut.
  - 3. 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.
  - 4. 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.
  - 5. 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, UTU 897093 or EOG Resources, Inc. drilling operations (Chapita Wells Unit, Natural Buttes Unit & Stagecoach Unit).
  - 6. All chemicals will be disposed of at an authorized disposal site. Drip pans and absorbent pads will be used on the drilling rig to avoid leakage of oil to the pit.
- B. Water from drilling fluids and recovered during testing operations will be disposed of by either evaporating in the reserve pit, through natural or artificial methods, or removed and disposed of at an authorized disposal site. Introduction of well bore hydrocarbons to the reserve pit will be avoided by flaring them off in the flare pit at the time of recovery.

The 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 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 stockpiled location topsoil will be stored in a location providing easy access for interim reclamation and protection of the topsoil. Upon completion of construction, the stockpiled topsoil from the location will be broadcast seeded with the approved seed mixture from this location.

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

## **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 the pit area and broadcast seeded with the prescribed seed mixture for this location as authorized within EOG's reclamation plan approved September 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 final reclamation 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.

- 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 rights-of-way for roads, pipelines, well sites, or other applicable facilities. Prior to the application of herbicides or other pesticides or possible hazardous chemicals A Pesticide Use proposal shall be submitted for BLM approval.
- 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.
- D. The drilling rig and ancillary equipment will be removed from the location prior to commencement of completion operations. Completion operations will be conducted utilizing a completion/workover rig.

All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws, regulations, Onshore Oil and Gas Orders, the approved Plan of Operations, and any applicable Notice of Lessees. The operator is fully responsible for the actions of its subcontractors. A complete copy of the approved "Application for Permit to Drill" will be furnished to the field representative(s) to ensure compliance and shall be on location during all construction and drilling operations.

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

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

A block cultural resources survey for Sec, 25, T9S, R22E was conducted and submitted by Montgomery Archaeological Consultants, Inc. MOAC Report No. 06-615, State of Utah Antiquities Project (Survey) Permit No. U-07-MQ-0200b. A paleontology survey was conducted and submitted on January 28, 2010 IPC#09-796. A special status plant and wildlife species reports was conducted and submitted by Grasslands Consulting, Inc. on April 7, 2010.

***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.

**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.

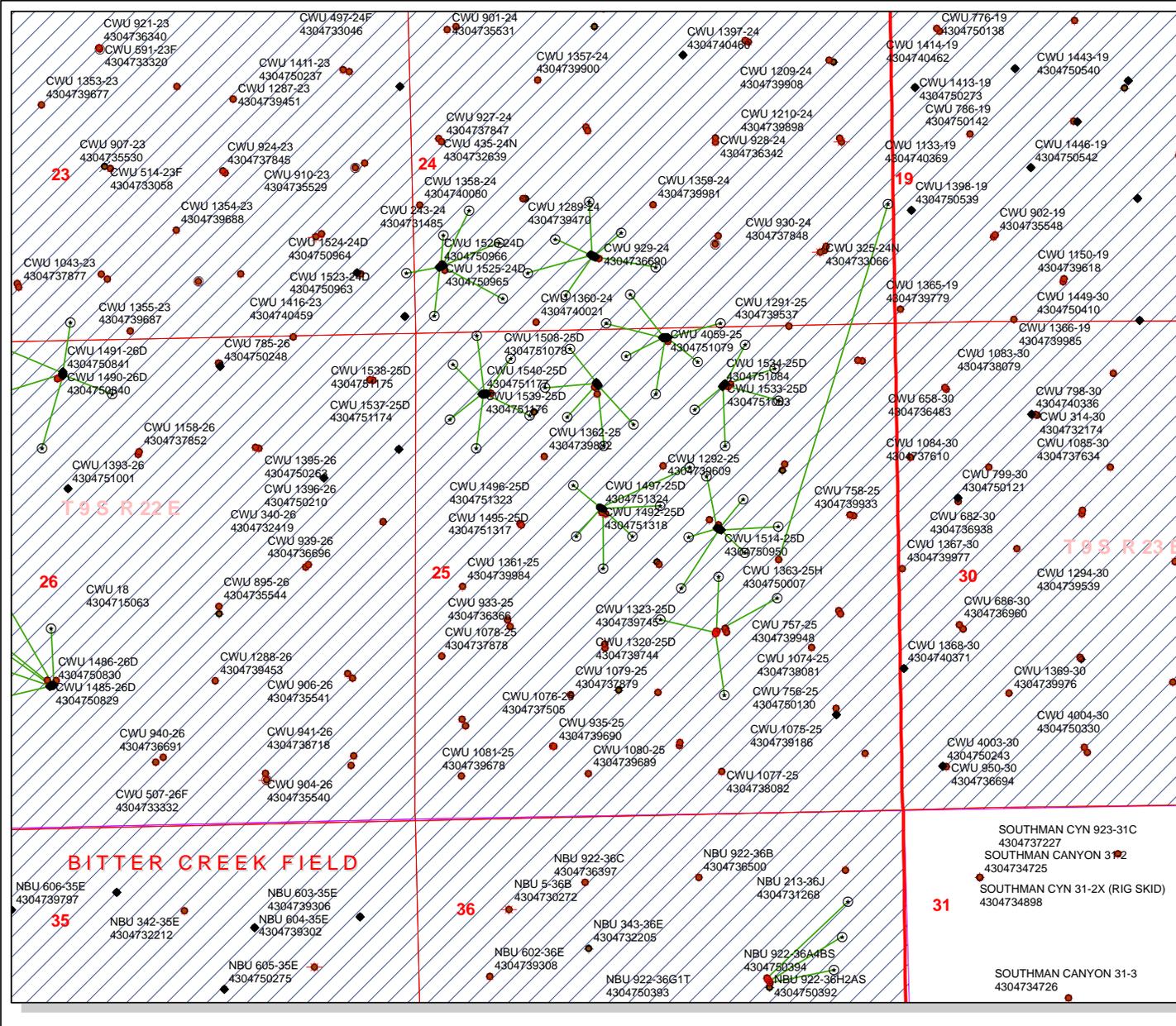
Please be advised that EOG Resources, Inc. is considered to be the operator of the CWU 1492-25D, 1493-25D, 1494-25D, 1495-25D, 1496-25D, 1497-25D Wells, located in the SENW, of Section 25, T9S, R22E, Uintah County, Utah; Federal land and minerals; and is responsible under the terms and conditions of the lease for the operations conducted upon the leased lands. Bond Coverage is under Bond # NM 2308.

October 6, 2010 \_\_\_\_\_  
Date

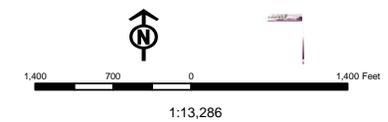
\_\_\_\_\_  
Nanette Lupcho, Regulatory Assistant

**API Number: 4304751315**  
**Well Name: CWU 1493-25D**  
**Township 09.0 S Range 22.0 E Section 25**  
**Meridian: SLBM**  
**Operator: EOG RESOURCES, INC.**

Map Prepared:  
 Map Produced by Diana Mason



|                             |                                    |
|-----------------------------|------------------------------------|
| <b>Units</b>                | <b>Wells Query</b>                 |
| <b>STATUS</b>               | <b>Status</b>                      |
| ACTIVE                      | APD - Approved Permit              |
| EXPLORATORY                 | DRL - Spudded (Drilling Commenced) |
| GAS STORAGE                 | LOC - New Location                 |
| NF PP OIL                   | OP - Operation Suspended           |
| NF SECONDARY                | PA - Plugged Abandoned             |
| PI OIL                      | PGW - Producing Gas Well           |
| PP GAS                      | POW - Producing Oil Well           |
| PP GEOTHERMAL               | RET - Returned APD                 |
| PP OIL                      | SGW - Shut-in Gas Well             |
| SECONDARY                   | SGW - Shut-in Oil Well             |
| TERMINATED                  | TA - Temp. Abandoned               |
| <b>Fields</b>               | TW - Test Well                     |
| Sections                    | WDW - Water Disposal               |
| Township                    | WII - Water Injection Well         |
| Bottom Hole Location - AGRC | WSW - Water Supply Well            |



# 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)

October 19, 2010

Memorandum

To: Assistant District Manager Minerals, Vernal District

From: Michael Coulthard, Petroleum Engineer

Subject: 2010 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 2010 within the Chapita Wells Unit, Uintah County, Utah.

| API#                     | WELL NAME   | LOCATION |
|--------------------------|---|----------|
| (Proposed PZ MESA VERDE) |   |          |
| 43-047-51315             | CWU 1493-25D Sec 25 T09S R22E 1930 FNL 1988 FWL<br>BHL Sec 25 T09S R22E 1687 FNL 1708 FWL |          |
| 43-047-51316             | CWU 1494-25D Sec 25 T09S R22E 1951 FNL 2022 FWL<br>BHL Sec 25 T09S R22E 2598 FNL 2018 FWL |          |
| 43-047-51317             | CWU 1495-25D Sec 25 T09S R22E 1935 FNL 1997 FWL<br>BHL Sec 25 T09S R22E 1513 FNL 2265 FWL |          |
| 43-047-51318             | CWU 1492-25D Sec 25 T09S R22E 1940 FNL 2005 FWL<br>BHL Sec 25 T09S R22E 2240 FNL 1731 FWL |          |
| 43-047-51323             | CWU 1496-25D Sec 25 T09S R22E 1957 FNL 2031 FWL<br>BHL Sec 25 T09S R22E 2258 FNL 2340 FWL |          |
| 43-047-51324             | CWU 1497-25D Sec 25 T09S R22E 1946 FNL 2014 FWL<br>BHL Sec 25 T09S R22E 1930 FNL 2592 FEL |          |

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: 2010.10.19 09:04:00 -0600

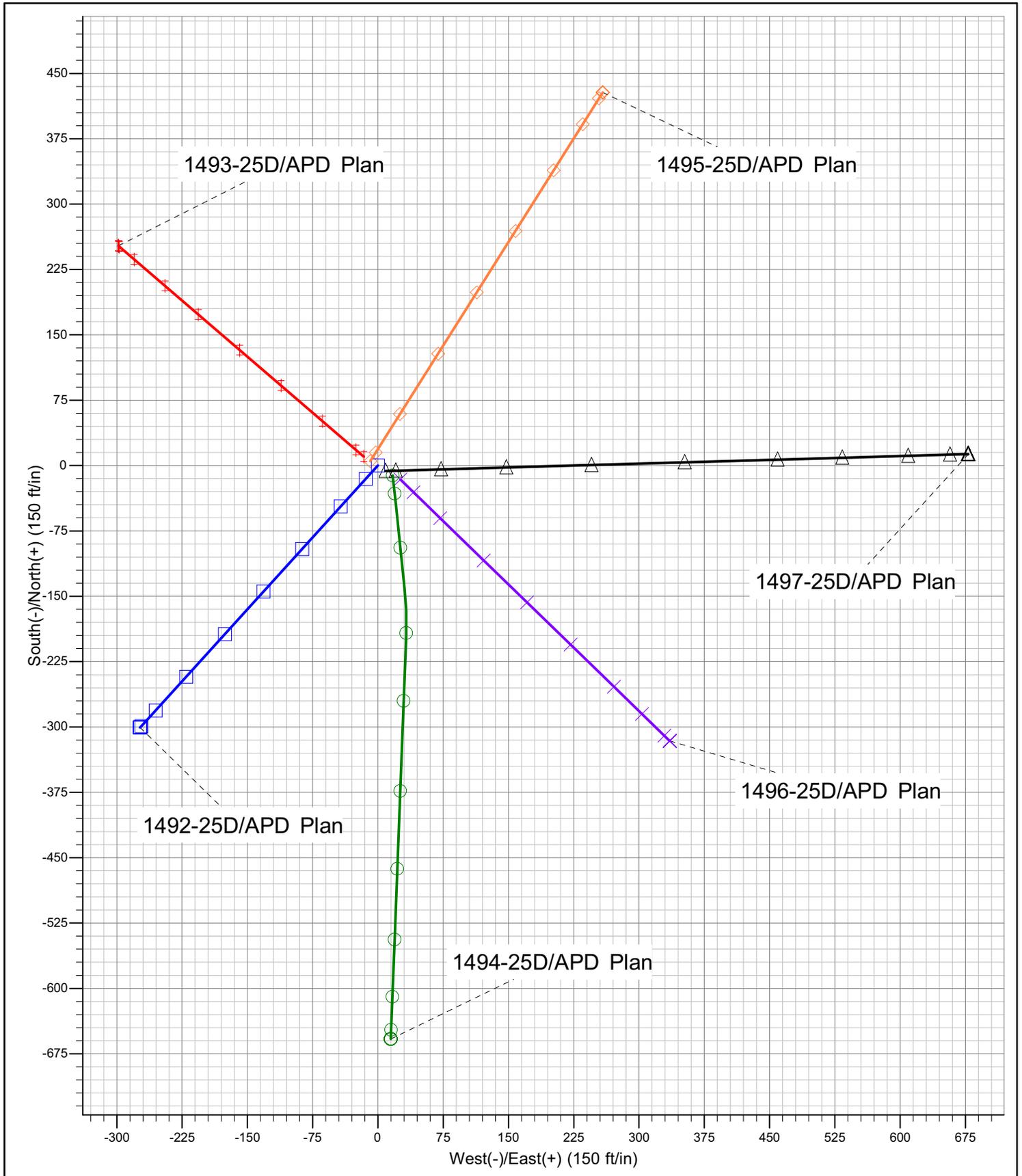
bcc: File - Chapita Wells Unit  
Division of Oil Gas and Mining  
Central Files  
Agr. Sec. Chron  
Fluid Chron

MCoulthard:mc:10-19-10

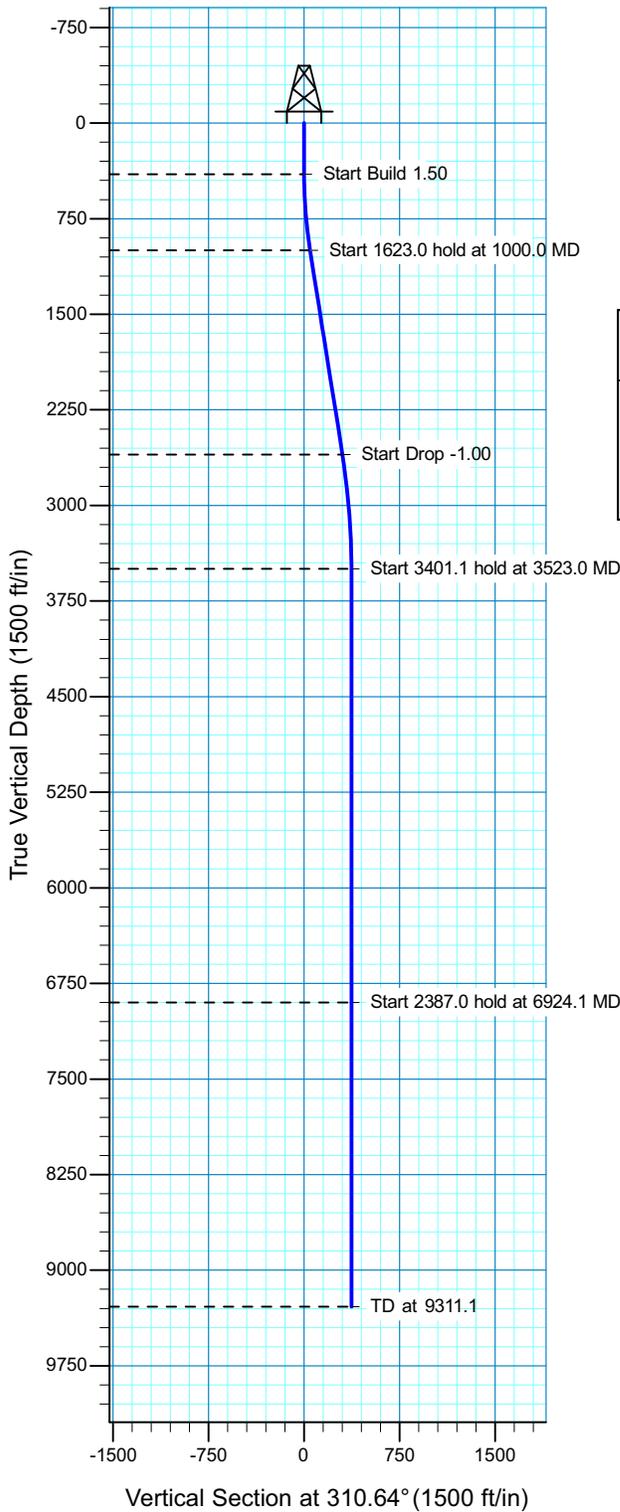
'APIWellNo:43047513150000'

**CWU 1492-25D, CWU 1493-25D, CWU 1494-25D  
CWU 1495-25D, CWU 1496-25D, CWU 1497-25D**

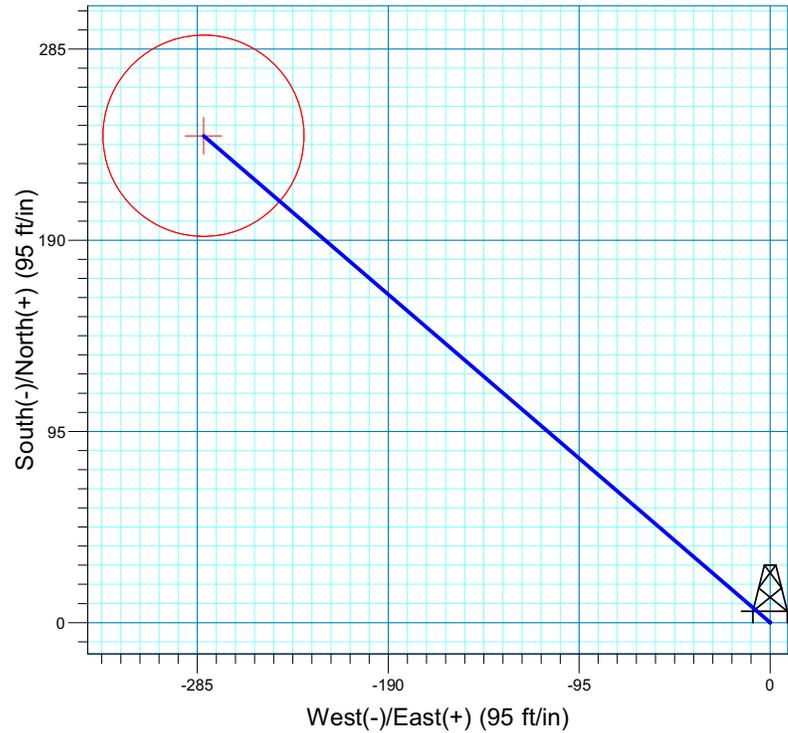
SE/NW, SEC. 25 T9S, R22E, S.L.B. & M.  
UINTAH COUNTY, UTAH



**CWU 1493-25D**  
**Section 25 T9S R22E**  
**Uintah County, UT**



| Surface Location         |            |                          |                   |
|--------------------------|------------|--------------------------|-------------------|
| NAD 1927 (NADCON CONUS)  |            | Utah North 4301          |                   |
| Ground Elevation: 5073.0 |            | RIG @ 5092.0ft (TRUE 34) |                   |
| Northing                 | Easting    | Latitude                 | Longitude         |
| 0.0 -110988.80           | 2591147.43 | 40° 0' 32.411 N          | 109° 23' 23.849 W |



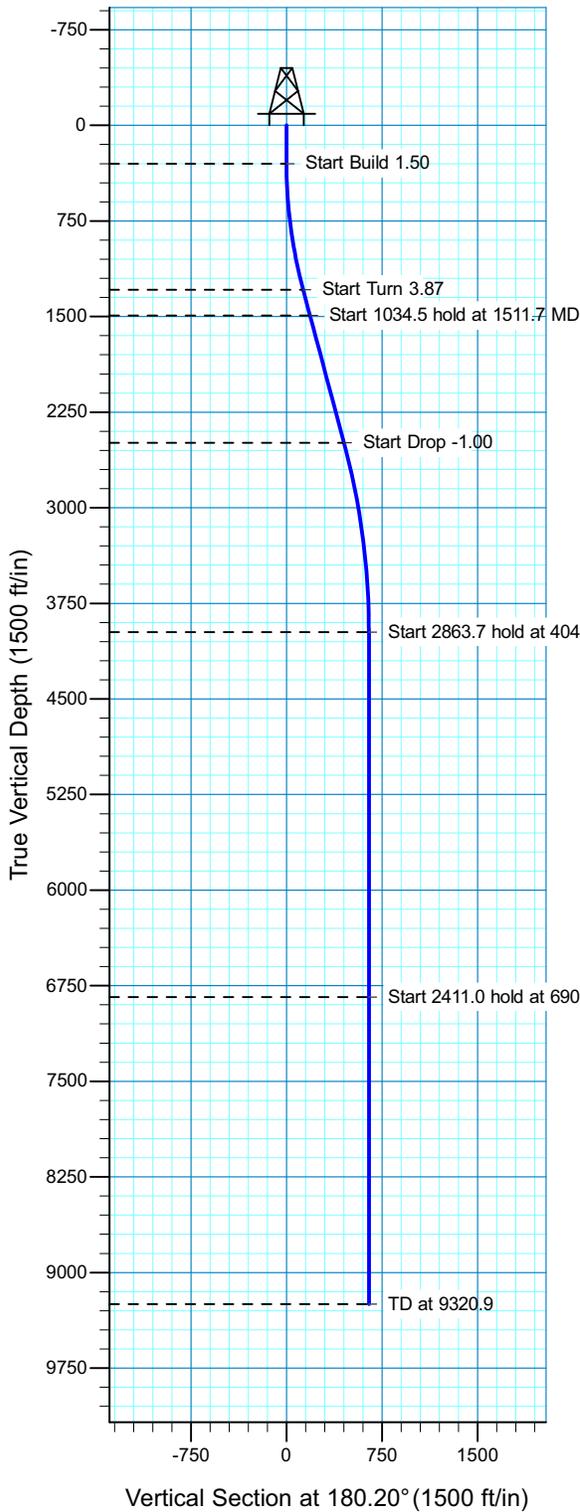
Project: T9S-R22E Sec 25  
 Site: CWU 1492-1497 25D (Pad B2\_CWU 760-25\_Set 5)  
 Well: 1493-25D  
 Plan: APD Plan



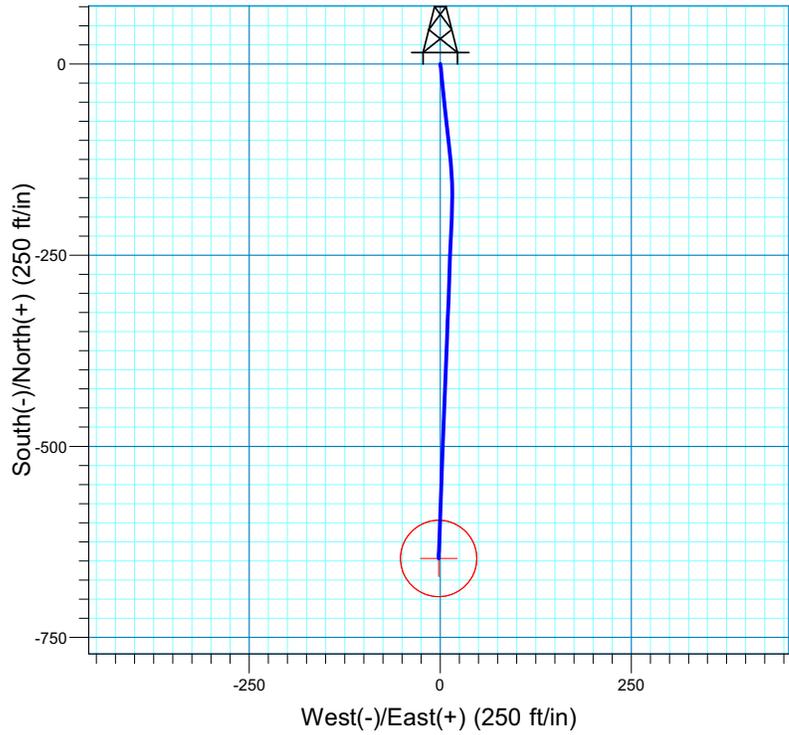
Azimuths to True North  
 Magnetic North: 11.28°  
 Magnetic Field  
 Strength: 52580.5snT  
 Dip Angle: 65.96°  
 Date: 5/28/2009  
 Model: IGRF200510

| SECTION DETAILS |        |       |        |            |            |                 |                   |                       |       |              |  |
|-----------------|--------|-------|--------|------------|------------|-----------------|-------------------|-----------------------|-------|--------------|--|
| Sec             | MD     | Inc   | Azi    | TVD        | +N/-S      | +E/-W           | DLeg              | TFace                 | VSec  | Target       |  |
| 1               | 0.0    | 0.00  | 0.00   | 0.0        | 0.0        | 0.0             | 0.00              | 0.00                  | 0.0   |              |  |
| 2               | 400.0  | 0.00  | 0.00   | 400.0      | 0.0        | 0.0             | 0.00              | 0.00                  | 0.0   |              |  |
| 3               | 1000.0 | 9.00  | 310.64 | 997.5      | 30.6       | -35.7           | 1.50              | 310.64                | 47.0  |              |  |
| 4               | 2623.0 | 9.00  | 310.64 | 2600.6     | 196.0      | -228.3          | 0.00              | 0.00                  | 300.9 |              |  |
| 5               | 3523.0 | 0.00  | 0.00   | 3496.9     | 241.9      | -281.9          | 1.00              | 180.00                | 371.5 |              |  |
| 6               | 6924.1 | 0.00  | 0.00   | 6898.0     | 241.9      | -281.9          | 0.00              | 0.00                  | 371.5 | CWU 1493-25D |  |
| 7               | 9311.1 | 0.00  | 0.00   | 9285.0     | 241.9      | -281.9          | 0.00              | 0.00                  | 371.5 |              |  |
| TARGET DETAILS  |        |       |        |            |            |                 |                   |                       |       |              |  |
| Name            | TVD    | +N/-S | +E/-W  | Northing   | Easting    | Latitude        | Longitude         | Shape                 |       |              |  |
| CWU 1493-25D    | 6898.0 | 241.9 | -281.9 | -110753.77 | 2590859.77 | 40° 0' 34.801 N | 109° 23' 27.470 W | Circle (Radius: 50.0) |       |              |  |

**CWU 1494-25D**  
**Section 25 T9S R22E**  
**Uintah County, UT**



| Surface Location         |            |                          |                   |
|--------------------------|------------|--------------------------|-------------------|
| NAD 1927 (NADCON CONUS)  |            | Utah North 4301          |                   |
| Ground Elevation: 5073.0 |            | RIG @ 5092.0ft (TRUE 34) |                   |
| Northing                 | Easting    | Latitude                 | Longitude         |
| 0.0 -111009.48           | 2591181.28 | 40° 0' 32.198 N          | 109° 23' 23.420 W |



Project: T9S-R22E Sec 25  
 Site: CWU 1492-1497 25D (Pad B2\_CWU 760-25\_Set 5)  
 Well: 1494-25D  
 Plan: APD Plan



Azimuths to True North  
 Magnetic North: 11.28°  
 Magnetic Field  
 Strength: 52580.5snT  
 Dip Angle: 65.96°  
 Date: 5/28/2009  
 Model: IGRF200510

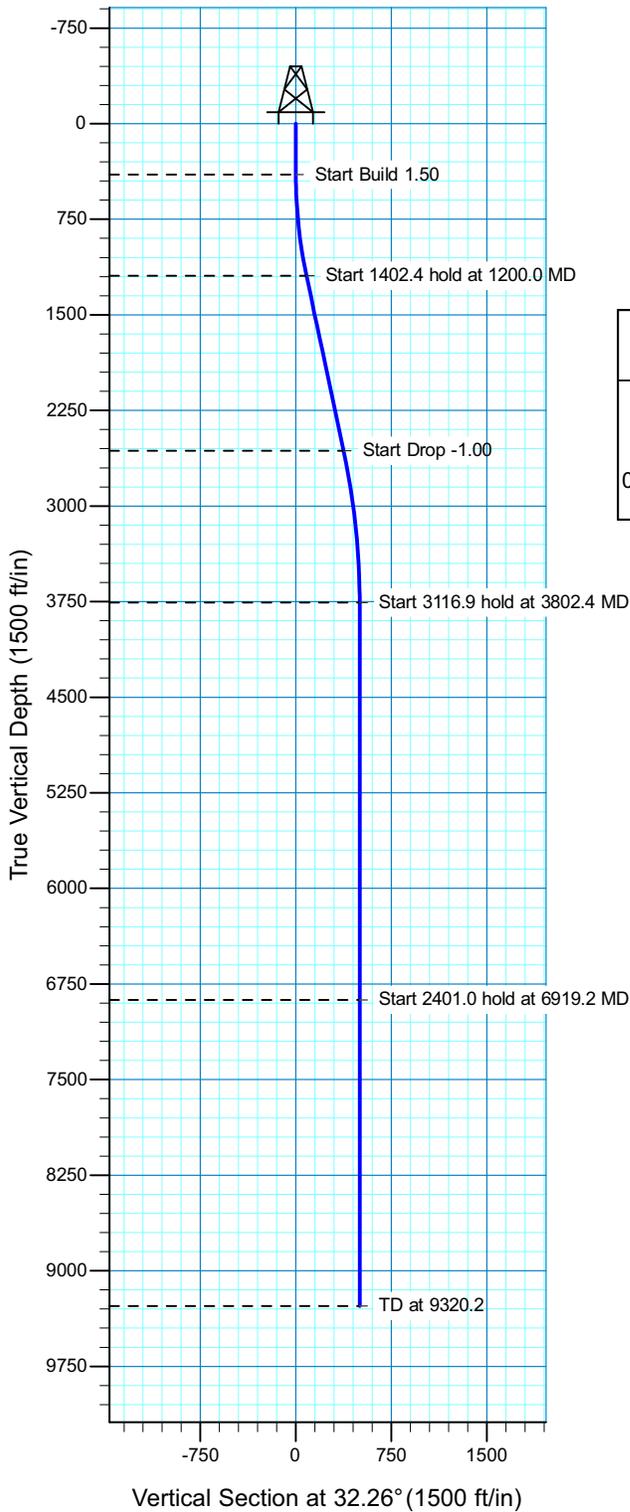
**SECTION DETAILS**

| Sec | MD     | Inc   | Azi    | TVD    | +N/-S  | +E/-W | DLeg | TFace  | VSec  | Target       |
|-----|--------|-------|--------|--------|--------|-------|------|--------|-------|--------------|
| 1   | 0.0    | 0.00  | 0.00   | 0.0    | 0.0    | 0.0   | 0.00 | 0.00   | 0.0   |              |
| 2   | 300.0  | 0.00  | 0.00   | 300.0  | 0.0    | 0.0   | 0.00 | 0.00   | 0.0   |              |
| 3   | 1300.0 | 15.00 | 174.00 | 1288.6 | -129.4 | 13.6  | 1.50 | 174.00 | 129.4 |              |
| 4   | 1511.7 | 15.00 | 182.19 | 1493.1 | -184.1 | 15.4  | 1.00 | 93.95  | 184.0 | CWU 1494-25D |
| 5   | 2546.2 | 15.00 | 182.19 | 2492.4 | -451.6 | 5.2   | 0.00 | 0.00   | 451.6 |              |
| 6   | 4046.2 | 0.00  | 0.00   | 3975.3 | -646.7 | -2.2  | 1.00 | 180.00 | 646.7 |              |
| 7   | 6909.9 | 0.00  | 0.00   | 6839.0 | -646.7 | -2.2  | 0.00 | 0.00   | 646.7 | CWU 1494-25D |
| 8   | 9320.9 | 0.00  | 0.00   | 9250.0 | -646.7 | -2.2  | 0.00 | 0.00   | 646.7 |              |

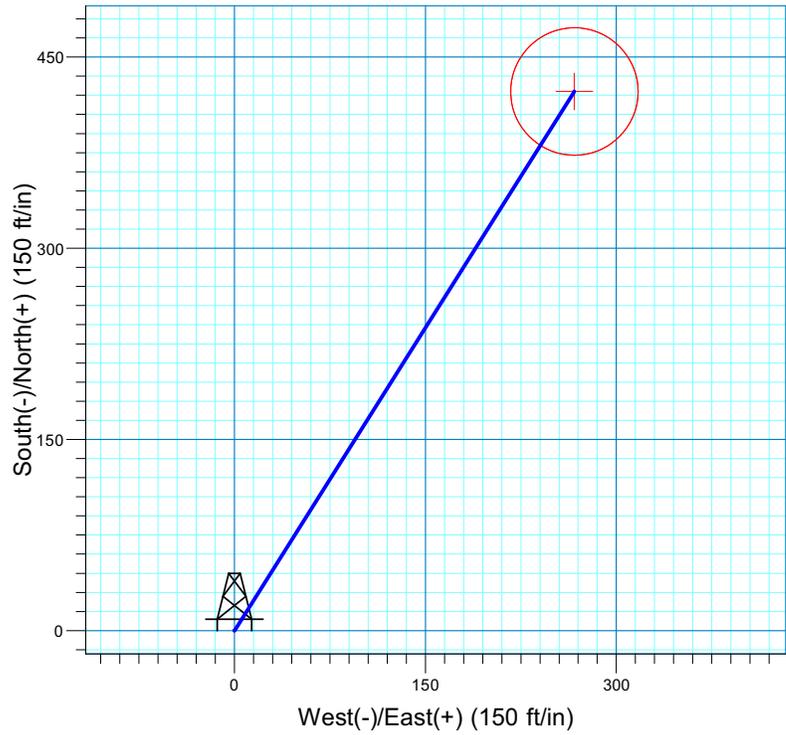
**TARGET DETAILS**

| Name         | TVD    | +N/-S  | +E/-W | Northing   | Easting    | Latitude        | Longitude         | Shape                 |
|--------------|--------|--------|-------|------------|------------|-----------------|-------------------|-----------------------|
| CWU 1494-25D | 6839.0 | -646.7 | -2.2  | -111656.05 | 2591194.75 | 40° 0' 25.808 N | 109° 23' 23.449 W | Circle (Radius: 50.0) |

**CWU 1495-25D**  
**Section 25 T9S R22E**  
**Uintah County, UT**



| Surface Location         |            |                          |                   |
|--------------------------|------------|--------------------------|-------------------|
| NAD 1927 (NADCON CONUS)  |            | Utah North 4301          |                   |
| Ground Elevation: 5073.0 |            | RIG @ 5092.0ft (TRUE 34) |                   |
| Northing                 | Easting    | Latitude                 | Longitude         |
| 0.0 -110993.72           | 2591155.12 | 40° 0' 32.360 N          | 109° 23' 23.752 W |



Project: T9S-R22E Sec 25  
 Site: CWU 1492-1497 25D (Pad B2\_CWU 760-25\_Set 5)  
 Well: 1495-25D  
 Plan: APD Plan



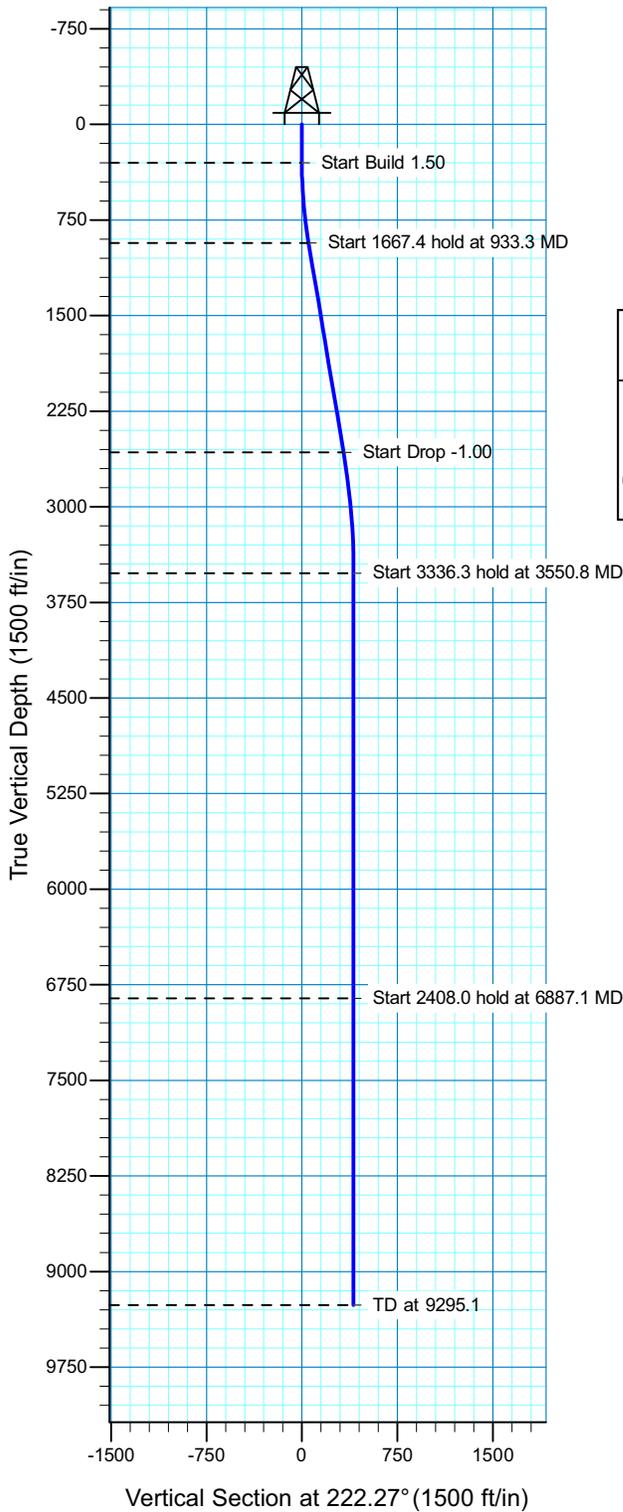
Azimuths to True North  
 Magnetic North: 11.28°  
 Magnetic Field  
 Strength: 52580.5snT  
 Dip Angle: 65.96°  
 Date: 5/28/2009  
 Model: IGRF200510

| SECTION DETAILS |        |       |       |        |       |       |      |        |       |              |  |
|-----------------|--------|-------|-------|--------|-------|-------|------|--------|-------|--------------|--|
| Sec             | MD     | Inc   | Azi   | TVD    | +N/-S | +E/-W | DLeg | TFace  | VSec  | Target       |  |
| 1               | 0.0    | 0.00  | 0.00  | 0.0    | 0.0   | 0.0   | 0.00 | 0.00   | 0.0   |              |  |
| 2               | 400.0  | 0.00  | 0.00  | 400.0  | 0.0   | 0.0   | 0.00 | 0.00   | 0.0   |              |  |
| 3               | 1200.0 | 12.00 | 32.26 | 1194.2 | 70.6  | 44.6  | 1.50 | 32.26  | 83.5  |              |  |
| 4               | 2602.4 | 12.00 | 32.26 | 2565.9 | 317.1 | 200.2 | 0.00 | 0.00   | 375.0 |              |  |
| 5               | 3802.4 | 0.00  | 0.00  | 3757.1 | 423.0 | 267.0 | 1.00 | 180.00 | 500.2 |              |  |
| 6               | 6919.2 | 0.00  | 0.00  | 6874.0 | 423.0 | 267.0 | 0.00 | 0.00   | 500.2 | CWU 1495-25D |  |
| 7               | 9320.2 | 0.00  | 0.00  | 9275.0 | 423.0 | 267.0 | 0.00 | 0.00   | 500.2 |              |  |

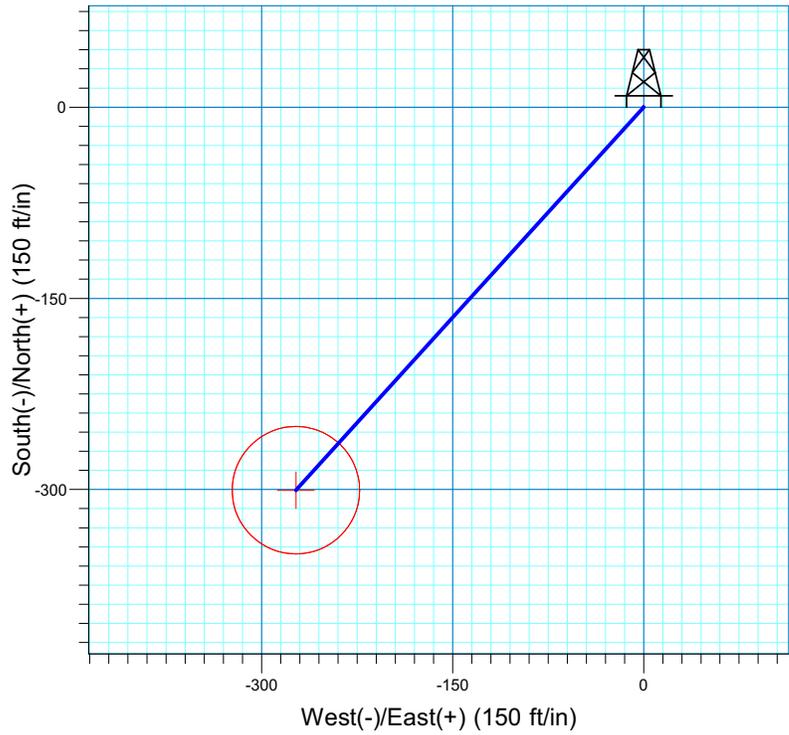
  

| TARGET DETAILS |        |       |       |            |            |                 |                   |                       |  |
|----------------|--------|-------|-------|------------|------------|-----------------|-------------------|-----------------------|--|
| Name           | TVD    | +N/-S | +E/-W | Northing   | Easting    | Latitude        | Longitude         | Shape                 |  |
| CWU 1495-25D   | 6874.0 | 423.0 | 267.0 | -110564.33 | 2591411.78 | 40° 0' 36.540 N | 109° 23' 20.321 W | Circle (Radius: 50.0) |  |

**CWU 1492-25D**  
**Section 25 T9S R22E**  
**Uintah County, UT**



| Surface Location         |            |                          |                   |
|--------------------------|------------|--------------------------|-------------------|
| NAD 1927 (NADCON CONUS)  |            | Utah North 4301          |                   |
| Ground Elevation: 5073.0 |            | RIG @ 5092.0ft (TRUE 34) |                   |
| Northing                 | Easting    | Latitude                 | Longitude         |
| 0.0 -110998.60           | 2591163.92 | 40° 0' 32.310 N          | 109° 23' 23.640 W |



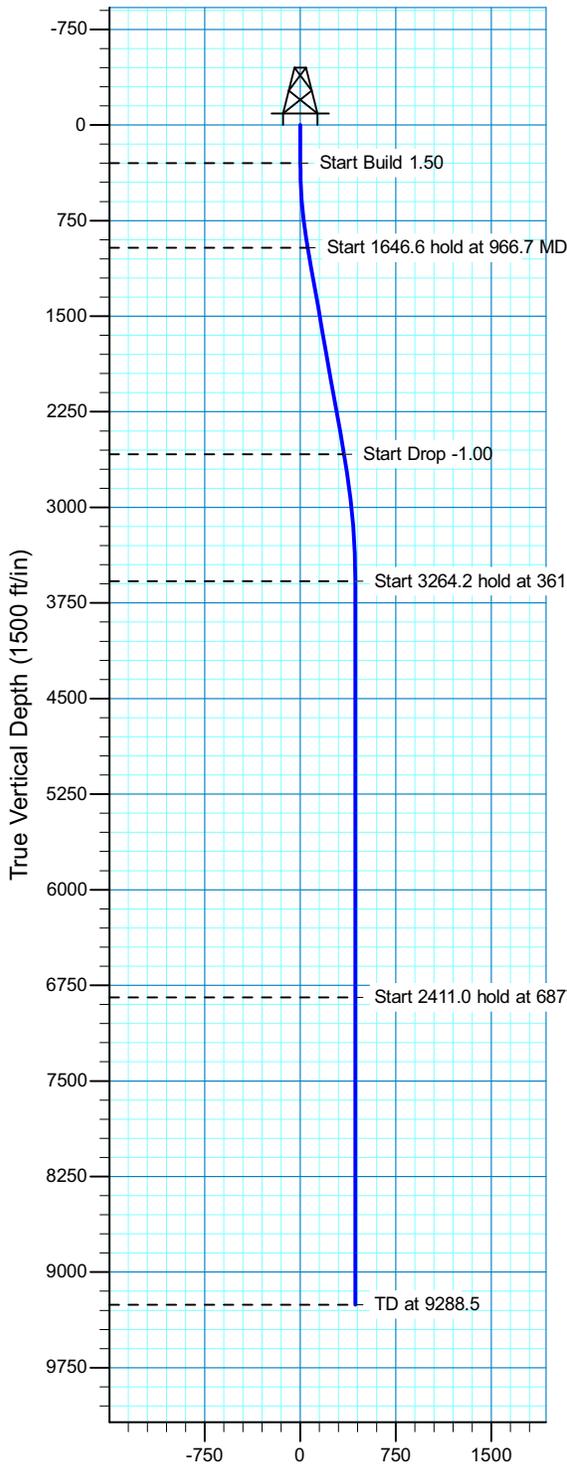
Project: T9S-R22E Sec 25  
 Site: CWU 1492-1497 25D (Pad B2\_CWU 760-25\_Set 5)  
 Well: 1492-25D  
 Plan: APD Plan



Azimuths to True North  
 Magnetic North: 11.28°  
 Magnetic Field  
 Strength: 52580.5snT  
 Dip Angle: 65.96°  
 Date: 5/28/2009  
 Model: IGRF200510

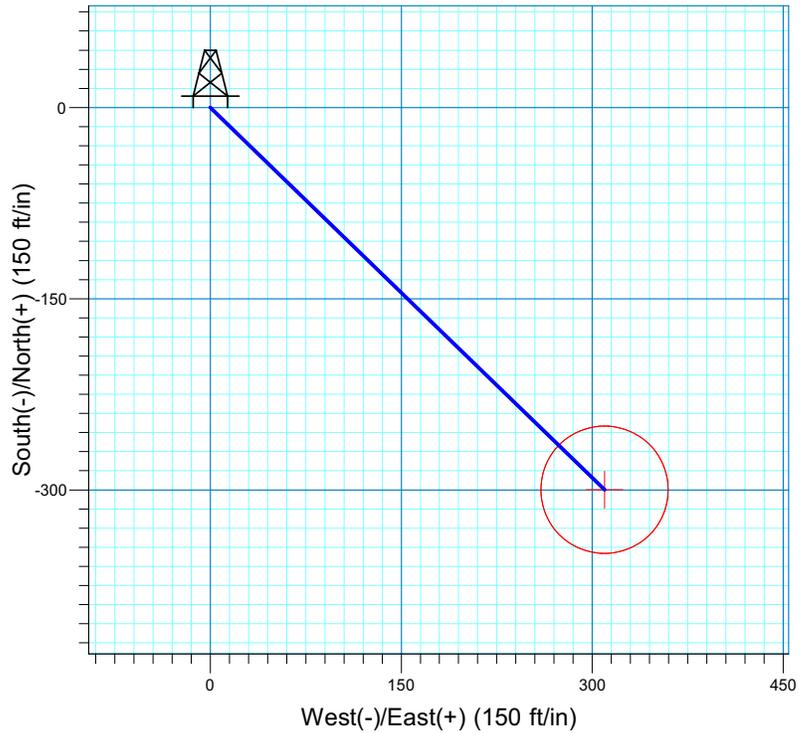
| SECTION DETAILS |        |        |        |            |            |                 |                   |                       |       |              |  |
|-----------------|--------|--------|--------|------------|------------|-----------------|-------------------|-----------------------|-------|--------------|--|
| Sec             | MD     | Inc    | Azi    | TVD        | +N/-S      | +E/-W           | DLeg              | TFace                 | VSec  | Target       |  |
| 1               | 0.0    | 0.00   | 0.00   | 0.0        | 0.0        | 0.0             | 0.00              | 0.00                  | 0.0   |              |  |
| 2               | 300.0  | 0.00   | 0.00   | 300.0      | 0.0        | 0.0             | 0.00              | 0.00                  | 0.0   |              |  |
| 3               | 933.3  | 9.50   | 222.27 | 930.4      | -38.8      | -35.2           | 1.50              | 222.27                | 52.4  |              |  |
| 4               | 2600.8 | 9.50   | 222.27 | 2575.0     | -242.4     | -220.3          | 0.00              | 0.00                  | 327.6 |              |  |
| 5               | 3550.8 | 0.00   | 0.00   | 3520.7     | -300.6     | -273.2          | 1.00              | 180.00                | 406.2 |              |  |
| 6               | 6887.1 | 0.00   | 0.00   | 6857.0     | -300.6     | -273.2          | 0.00              | 0.00                  | 406.2 | CWU 1492-25D |  |
| 7               | 9295.1 | 0.00   | 0.00   | 9265.0     | -300.6     | -273.2          | 0.00              | 0.00                  | 406.2 |              |  |
| TARGET DETAILS  |        |        |        |            |            |                 |                   |                       |       |              |  |
| Name            | TVD    | +N/-S  | +E/-W  | Northing   | Easting    | Latitude        | Longitude         | Shape                 |       |              |  |
| CWU 1492-25D    | 6857.0 | -300.6 | -273.2 | -111305.72 | 2590898.12 | 40° 0' 29.340 N | 109° 23' 27.150 W | Circle (Radius: 50.0) |       |              |  |

**CWU 1496-25D**  
**Section 25 T9S R22E**  
**Uintah County, UT**



Vertical Section at 134.08° (1500 ft/in)

| Surface Location         |            |                          |                   |
|--------------------------|------------|--------------------------|-------------------|
| NAD 1927 (NADCON CONUS)  |            | Utah North 4301          |                   |
| Ground Elevation: 5073.0 |            | RIG @ 5092.0ft (TRUE 34) |                   |
| Northing                 | Easting    | Latitude                 | Longitude         |
| 0.0 -111014.00           | 2591190.08 | 40° 0' 32.151 N          | 109° 23' 23.309 W |



Project: T9S-R22E Sec 25  
 Site: CWU 1492-1497 25D (Pad B2\_CWU 760-25\_Set 5)  
 Well: 1496-25D  
 Plan: APD Plan



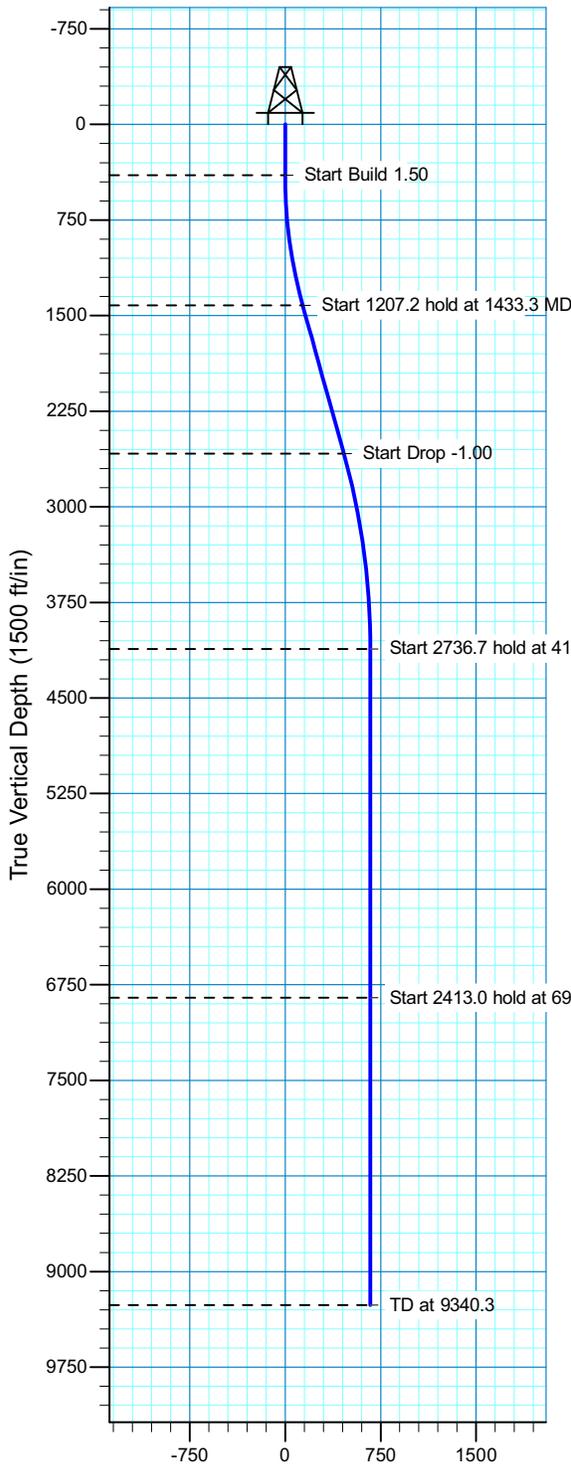
Azimuths to True North  
 Magnetic North: 11.28°  
 Magnetic Field  
 Strength: 52580.5snT  
 Dip Angle: 65.96°  
 Date: 5/28/2009  
 Model: IGRF200510

| SECTION DETAILS |        |       |        |        |        |       |      |        |       |              |  |
|-----------------|--------|-------|--------|--------|--------|-------|------|--------|-------|--------------|--|
| Sec             | MD     | Inc   | Azi    | TVD    | +N/-S  | +E/-W | DLeg | TFace  | VSec  | Target       |  |
| 1               | 0.0    | 0.00  | 0.00   | 0.0    | 0.0    | 0.0   | 0.00 | 0.00   | 0.0   |              |  |
| 2               | 300.0  | 0.00  | 0.00   | 300.0  | 0.0    | 0.0   | 0.00 | 0.00   | 0.0   |              |  |
| 3               | 966.7  | 10.00 | 134.08 | 963.3  | -40.4  | 41.7  | 1.50 | 134.08 | 58.0  |              |  |
| 4               | 2613.3 | 10.00 | 134.08 | 2584.9 | -239.3 | 247.1 | 0.00 | 0.00   | 344.0 |              |  |
| 5               | 3613.3 | 0.00  | 0.00   | 3579.8 | -299.8 | 309.6 | 1.00 | 180.00 | 431.0 |              |  |
| 6               | 6877.5 | 0.00  | 0.00   | 6844.0 | -299.8 | 309.6 | 0.00 | 0.00   | 431.0 | CWU 1496-25D |  |
| 7               | 9288.5 | 0.00  | 0.00   | 9255.0 | -299.8 | 309.6 | 0.00 | 0.00   | 431.0 |              |  |

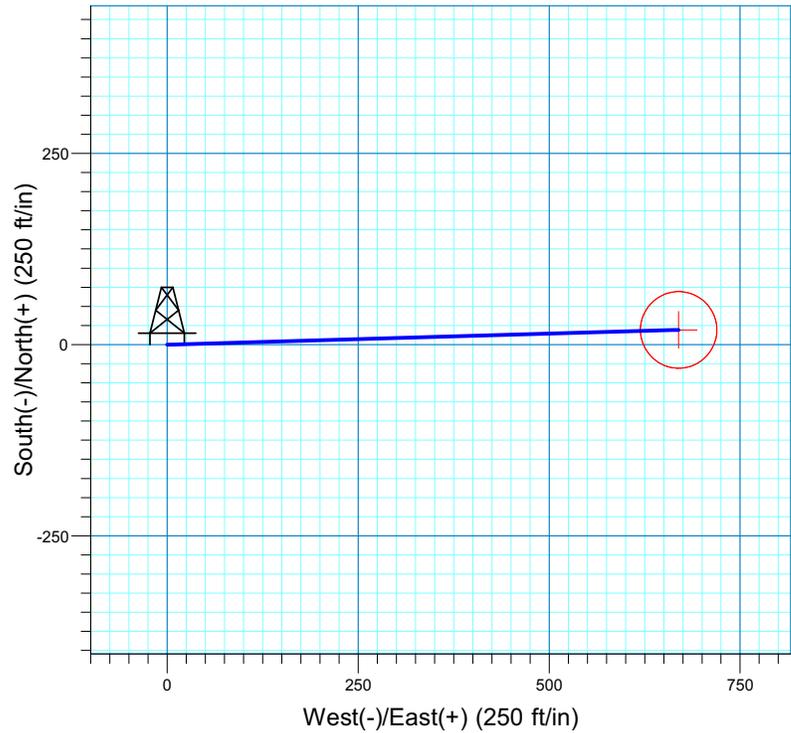
| TARGET DETAILS |        |        |       |            |            |                 |                   |                       |  |
|----------------|--------|--------|-------|------------|------------|-----------------|-------------------|-----------------------|--|
| Name           | TVD    | +N/-S  | +E/-W | Northing   | Easting    | Latitude        | Longitude         | Shape                 |  |
| CWU 1496-25D   | 6844.0 | -299.8 | 309.6 | -111306.24 | 2591506.88 | 40° 0' 29.189 N | 109° 23' 19.331 W | Circle (Radius: 50.0) |  |

**CWU 1497-25D**  
**Section 25 T9S R22E**  
**Uintah County, UT**



Vertical Section at 88.35° (1500 ft/in)

| Surface Location         |            |                          |                   |
|--------------------------|------------|--------------------------|-------------------|
| NAD 1927 (NADCON CONUS)  |            | Utah North 4301          |                   |
| Ground Elevation: 5073.0 |            | RIG @ 5092.0ft (TRUE 34) |                   |
| Northing                 | Easting    | Latitude                 | Longitude         |
| 0.0 -111004.59           | 2591172.76 | 40° 0' 32.249 N          | 109° 23' 23.528 W |



Project: T9S-R22E Sec 25  
 Site: CWU 1492-1497 25D (Pad B2\_CWU 760-25\_Set 5)  
 Well: 1497-25D  
 Plan: APD Plan



Azimuths to True North  
 Magnetic North: 11.28°  
 Magnetic Field  
 Strength: 52580.5snT  
 Dip Angle: 65.96°  
 Date: 5/28/2009  
 Model: IGRF200510

| SECTION DETAILS |        |       |       |        |       |       |      |        |       |              |  |
|-----------------|--------|-------|-------|--------|-------|-------|------|--------|-------|--------------|--|
| Sec             | MD     | Inc   | Azi   | TVD    | +N/-S | +E/-W | DLeg | TFace  | VSec  | Target       |  |
| 1               | 0.0    | 0.00  | 0.00  | 0.0    | 0.0   | 0.0   | 0.00 | 0.00   | 0.0   |              |  |
| 2               | 400.0  | 0.00  | 0.00  | 400.0  | 0.0   | 0.0   | 0.00 | 0.00   | 0.0   |              |  |
| 3               | 1433.3 | 15.50 | 88.35 | 1420.8 | 4.0   | 138.9 | 1.50 | 88.35  | 138.9 |              |  |
| 4               | 2640.6 | 15.50 | 88.35 | 2584.1 | 13.3  | 461.4 | 0.00 | 0.00   | 461.5 |              |  |
| 5               | 4190.6 | 0.00  | 0.00  | 4115.3 | 19.3  | 669.6 | 1.00 | 180.00 | 669.9 |              |  |
| 6               | 6927.3 | 0.00  | 0.00  | 6852.0 | 19.3  | 669.6 | 0.00 | 0.00   | 669.9 | CWU 1497-25D |  |
| 7               | 9340.3 | 0.00  | 0.00  | 9265.0 | 19.3  | 669.6 | 0.00 | 0.00   | 669.9 |              |  |

| TARGET DETAILS |        |       |       |            |            |                 |                   |                       |  |
|----------------|--------|-------|-------|------------|------------|-----------------|-------------------|-----------------------|--|
| Name           | TVD    | +N/-S | +E/-W | Northing   | Easting    | Latitude        | Longitude         | Shape                 |  |
| CWU 1497-25D   | 6852.0 | 19.3  | 669.6 | -110969.00 | 2591841.74 | 40° 0' 32.440 N | 109° 23' 14.924 W | Circle (Radius: 50.0) |  |

# WORKSHEET APPLICATION FOR PERMIT TO DRILL

**APD RECEIVED:** 10/7/2010

**API NO. ASSIGNED:** 43047513150000

**WELL NAME:** CWU 1493-25D

**OPERATOR:** EOG Resources, Inc. (N9550)

**PHONE NUMBER:** 435 781-9157

**CONTACT:** Nanette Lupcho

**PROPOSED LOCATION:** SENW 25 090S 220E

**Permit Tech Review:**

**SURFACE:** 1930 FNL 1988 FWL

**Engineering Review:**

**BOTTOM:** 1687 FNL 1708 FWL

**Geology Review:**

**COUNTY:** UINTAH

**LATITUDE:** 40.00903

**LONGITUDE:** -109.38993

**UTM SURF EASTINGS:** 637424.00

**NORTHINGS:** 4429791.00

**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

Commingle Approved

## LOCATION AND SITING:

- R649-2-3.  
Unit: CHAPITA WELLS
- R649-3-2. General
- R649-3-3. Exception
- Drilling Unit  
Board Cause No: Cause 179-8  
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



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:** CWU 1493-25D  
**API Well Number:** 43047513150000  
**Lease Number:** UTU0285A  
**Surface Owner:** FEDERAL  
**Approval Date:** 10/25/2010

**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 179-8. 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 <https://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:**

A handwritten signature in black ink, appearing to read "John Rogers", written over a faint, illegible stamp or background.

For John Rogers  
Associate Director, Oil & Gas

| STATE OF UTAH<br>DEPARTMENT OF NATURAL RESOURCES<br>DIVISION OF OIL, GAS, AND MINING   |  | FORM 9   |
|--|--|--|
| <b>SUNDRY NOTICES AND REPORTS ON WELLS</b>   |  | <b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b><br>UTU0285A |
| 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.   |  | <b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>               |
|  |  | <b>7. UNIT or CA AGREEMENT NAME:</b><br>CHAPITA WELLS      |
| <b>1. TYPE OF WELL</b><br>Gas Well   | <b>8. WELL NAME and NUMBER:</b><br>CWU 1493-25D  |  |
| <b>2. NAME OF OPERATOR:</b><br>EOG Resources, Inc.   | <b>9. API NUMBER:</b><br>43047513150000  |  |
| <b>3. ADDRESS OF OPERATOR:</b><br>1060 East Highway 40 , Vernal, UT, 84078   | <b>PHONE NUMBER:</b><br>435 781-9111 Ext   | <b>9. FIELD and POOL or WILDCAT:</b><br>NATURAL BUTTES     |
| <b>4. LOCATION OF WELL</b><br><b>FOOTAGES AT SURFACE:</b><br>1930 FNL 1988 FWL<br><b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b><br>Qtr/Qtr: SENW Section: 25 Township: 09.0S Range: 22.0E Meridian: S  | <b>COUNTY:</b><br>UINTAH   |  |
|  |  | <b>STATE:</b><br>UTAH                                      |
| 11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA  |  |  |
| <b>TYPE OF SUBMISSION</b>  | <b>TYPE OF ACTION</b>  |  |
| <input checked="" type="checkbox"/> <b>NOTICE OF INTENT</b><br>Approximate date work will start:<br>9/27/2011<br><br><input type="checkbox"/> <b>SUBSEQUENT REPORT</b><br>Date of Work Completion:<br><br><input type="checkbox"/> <b>SPUD REPORT</b><br>Date of Spud:<br><br><input type="checkbox"/> <b>DRILLING REPORT</b><br>Report Date:                    | <input type="checkbox"/> ACIDIZE <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CASING REPAIR<br><input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> CHANGE WELL NAME<br><input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> CONVERT WELL TYPE<br><input type="checkbox"/> DEEPEN <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> NEW CONSTRUCTION<br><input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> PLUG BACK<br><input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION<br><input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> TEMPORARY ABANDON<br><input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> WATER DISPOSAL<br><input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> SI TA STATUS EXTENSION <input checked="" type="checkbox"/> APD EXTENSION<br><input type="checkbox"/> WILDCAT WELL DETERMINATION <input type="checkbox"/> OTHER                                  OTHER: <input style="width: 50px;" type="text"/> |  |
| 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.  |  |  |
| <p style="color: red; font-weight: bold; margin: 0;">Approved by the<br/>Utah Division of<br/>Oil, Gas and Mining</p> <p style="color: red; font-weight: bold; margin: 0;">Date: <u>09/27/2011</u></p> <p style="color: red; font-weight: bold; margin: 0;">By: <u></u></p> |  |  |
| <b>NAME (PLEASE PRINT)</b><br>Michelle Robles  | <b>PHONE NUMBER</b><br>307 276-4842  | <b>TITLE</b><br>Regulatory Assistant                       |
| <b>SIGNATURE</b><br>N/A  | <b>DATE</b><br>9/27/2011   |  |



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

- State of Utah  
- Department of Natural Resources

Electronic Permitting System - Sundry Notices

### Request for Permit Extension Validation Well Number 43047513150000

**API:** 43047513150000

**Well Name:** CWU 1493-25D

**Location:** 1930 FNL 1988 FWL QTR SENW SEC 25 TWNP 090S RNG 220E MER S

**Company Permit Issued to:** EOG RESOURCES, INC.

**Date Original Permit Issued:** 10/25/2010

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:** Michelle Robles

**Date:** 9/27/2011

**Title:** Regulatory Assistant **Representing:** EOG RESOURCES, INC.

|  |  |
|--|--|
| <b>STATE OF UTAH</b><br>DEPARTMENT OF NATURAL RESOURCES<br>DIVISION OF OIL, GAS, AND MINING  | FORM 9<br><br>5. LEASE DESIGNATION AND SERIAL NUMBER:<br>UTU0285A  |
| <b>SUNDRY NOTICES AND REPORTS ON WELLS</b><br><br>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:<br><br>7. UNIT or CA AGREEMENT NAME:<br>CHAPITA WELLS  |
| 1. TYPE OF WELL<br>Gas Well  | 8. WELL NAME and NUMBER:<br>CWU 1493-25D   |
| 2. NAME OF OPERATOR:<br>EOG Resources, Inc.  | 9. API NUMBER:<br>43047513150000   |
| 3. ADDRESS OF OPERATOR:<br>600 17th Street, Suite 1000 N , Denver, CO, 80202   | PHONE NUMBER:<br>435 781-9111 Ext  |
| 9. FIELD and POOL or WILDCAT:<br>NATURAL BUTTES  | 4. LOCATION OF WELL<br>FOOTAGES AT SURFACE:<br>1930 FNL 1988 FWL<br>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:<br>Qtr/Qtr: SENW Section: 25 Township: 09.0S Range: 22.0E Meridian: S |
| COUNTY:<br>UINTAH  | STATE:<br>UTAH   |

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

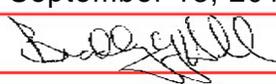
| TYPE OF SUBMISSION  | TYPE OF ACTION   |   |   |
|---|--|---|---|
| <input checked="" type="checkbox"/> NOTICE OF INTENT<br>Approximate date work will start:<br><b>9/12/2012</b> | <input type="checkbox"/> ACIDIZE                       | <input type="checkbox"/> ALTER CASING                   | <input type="checkbox"/> CASING REPAIR                  |
| <input type="checkbox"/> SUBSEQUENT REPORT<br>Date of Work Completion:  | <input type="checkbox"/> CHANGE TO PREVIOUS PLANS      | <input type="checkbox"/> CHANGE TUBING                  | <input type="checkbox"/> CHANGE WELL NAME               |
| <input type="checkbox"/> SPUD REPORT<br>Date of Spud:   | <input type="checkbox"/> CHANGE WELL STATUS            | <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS | <input type="checkbox"/> CONVERT WELL TYPE              |
| <input type="checkbox"/> DRILLING REPORT<br>Report Date:  | <input type="checkbox"/> DEEPEN                        | <input type="checkbox"/> FRACTURE TREAT                 | <input type="checkbox"/> NEW CONSTRUCTION               |
|   | <input type="checkbox"/> OPERATOR CHANGE               | <input type="checkbox"/> PLUG AND ABANDON               | <input type="checkbox"/> PLUG BACK                      |
|   | <input type="checkbox"/> PRODUCTION START OR RESUME    | <input type="checkbox"/> RECLAMATION OF WELL SITE       | <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION |
|   | <input type="checkbox"/> REPERFORATE CURRENT FORMATION | <input type="checkbox"/> SIDETRACK TO REPAIR WELL       | <input type="checkbox"/> TEMPORARY ABANDON              |
|   | <input type="checkbox"/> TUBING REPAIR                 | <input type="checkbox"/> VENT OR FLARE                  | <input type="checkbox"/> WATER DISPOSAL                 |
|   | <input type="checkbox"/> WATER SHUTOFF                 | <input type="checkbox"/> SI TA STATUS EXTENSION         | <input checked="" type="checkbox"/> APD EXTENSION       |
|   | <input type="checkbox"/> WILDCAT WELL DETERMINATION    | <input type="checkbox"/> OTHER                          | OTHER: <input style="width: 100px;" type="text"/>       |

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:** September 13, 2012

**By:** 

|                                     |                              |                                   |
|-------------------------------------|------------------------------|-----------------------------------|
| NAME (PLEASE PRINT)<br>Vail Nazzaro | PHONE NUMBER<br>303 824-5590 | TITLE<br>Sr. Regulatory Assistant |
| SIGNATURE<br>N/A                    | DATE<br>9/12/2012            |                                   |



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 43047513150000**

API: 43047513150000

Well Name: CWU 1493-25D

Location: 1930 FNL 1988 FWL QTR SENW SEC 25 TWP 090S RNG 220E MER S

Company Permit Issued to: EOG RESOURCES, INC.

Date Original Permit Issued: 10/25/2010

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: Vail Nazzaro

Date: 9/12/2012

Title: Sr. Regulatory Assistant Representing: EOG RESOURCES, INC.

|  |   |
|--|---|
| <b>STATE OF UTAH</b><br>DEPARTMENT OF NATURAL RESOURCES<br>DIVISION OF OIL, GAS, AND MINING  | <b>FORM 9</b>                                       |
| <b>SUNDRY NOTICES AND REPORTS ON WELLS</b><br><br>Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals. | 5. LEASE DESIGNATION AND SERIAL NUMBER:<br>UTU0285A |
| 1. TYPE OF WELL<br>Gas Well  | 6. IF INDIAN, ALLOTTEE OR TRIBE NAME:               |
| 2. NAME OF OPERATOR:<br>EOG Resources, Inc.  | 7. UNIT or CA AGREEMENT NAME:<br>CHAPITA WELLS      |
| 3. ADDRESS OF OPERATOR:<br>600 17th Street, Suite 1000 N , Denver, CO, 80202   | 8. WELL NAME and NUMBER:<br>CWU 1493-25D            |
| 4. LOCATION OF WELL<br>FOOTAGES AT SURFACE:<br>1930 FNL 1988 FWL<br>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:<br>Qtr/Qtr: SENW Section: 25 Township: 09.0S Range: 22.0E Meridian: S   | 9. API NUMBER:<br>43047513150000                    |
|  | 9. FIELD and POOL or WILDCAT:<br>NATURAL BUTTES     |
|  | COUNTY:<br>UINTAH                                   |
|  | STATE:<br>UTAH                                      |

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

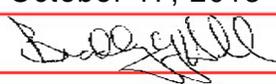
| TYPE OF SUBMISSION  | TYPE OF ACTION   |   |   |
|---|--|---|---|
| <input checked="" type="checkbox"/> NOTICE OF INTENT<br>Approximate date work will start:<br>10/10/2013 | <input type="checkbox"/> ACIDIZE                       | <input type="checkbox"/> ALTER CASING                   | <input type="checkbox"/> CASING REPAIR                  |
| <input type="checkbox"/> SUBSEQUENT REPORT<br>Date of Work Completion:                                  | <input type="checkbox"/> CHANGE TO PREVIOUS PLANS      | <input type="checkbox"/> CHANGE TUBING                  | <input type="checkbox"/> CHANGE WELL NAME               |
| <input type="checkbox"/> SPUD REPORT<br>Date of Spud:   | <input type="checkbox"/> CHANGE WELL STATUS            | <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS | <input type="checkbox"/> CONVERT WELL TYPE              |
| <input type="checkbox"/> DRILLING REPORT<br>Report Date:  | <input type="checkbox"/> DEEPEN                        | <input type="checkbox"/> FRACTURE TREAT                 | <input type="checkbox"/> NEW CONSTRUCTION               |
|   | <input type="checkbox"/> OPERATOR CHANGE               | <input type="checkbox"/> PLUG AND ABANDON               | <input type="checkbox"/> PLUG BACK                      |
|   | <input type="checkbox"/> PRODUCTION START OR RESUME    | <input type="checkbox"/> RECLAMATION OF WELL SITE       | <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION |
|   | <input type="checkbox"/> REPERFORATE CURRENT FORMATION | <input type="checkbox"/> SIDETRACK TO REPAIR WELL       | <input type="checkbox"/> TEMPORARY ABANDON              |
|   | <input type="checkbox"/> TUBING REPAIR                 | <input type="checkbox"/> VENT OR FLARE                  | <input type="checkbox"/> WATER DISPOSAL                 |
|   | <input type="checkbox"/> WATER SHUTOFF                 | <input type="checkbox"/> SI TA STATUS EXTENSION         | <input checked="" type="checkbox"/> APD EXTENSION       |
|   | <input type="checkbox"/> WILDCAT WELL DETERMINATION    | <input type="checkbox"/> OTHER                          | OTHER: <input style="width: 100px;" type="text"/>       |

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:** October 17, 2013

**By:** 

|  |                                     |  |
|--|-------------------------------------|--|
| <b>NAME (PLEASE PRINT)</b><br>Vail Nazzaro | <b>PHONE NUMBER</b><br>303 824-5590 | <b>TITLE</b><br>Sr. Regulatory Assistant |
| <b>SIGNATURE</b><br>N/A                    | <b>DATE</b><br>10/10/2013           |  |



**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 43047513150000**

API: 43047513150000

Well Name: CWU 1493-25D

Location: 1930 FNL 1988 FWL QTR SENW SEC 25 TWP 090S RNG 220E MER S

Company Permit Issued to: EOG RESOURCES, INC.

Date Original Permit Issued: 10/25/2010

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: Vail Nazzaro

Date: 10/10/2013

Title: Sr. Regulatory Assistant Representing: EOG RESOURCES, INC.

|   |               |
|---|---------------|
| <b>STATE OF UTAH</b><br>DEPARTMENT OF NATURAL RESOURCES<br>DIVISION OF OIL, GAS, AND MINING | <b>FORM 9</b> |
| <b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b><br>UTU0285A                                  |               |
| <b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>  |               |
| <b>7. UNIT or CA AGREEMENT NAME:</b><br>CHAPITA WELLS                                       |               |
| <b>8. WELL NAME and NUMBER:</b><br>CWU 1493-25D   |               |
| <b>9. API NUMBER:</b><br>43047513150000   |               |
| <b>9. FIELD and POOL or WILDCAT:</b><br>NATURAL BUTTES                                      |               |
| <b>COUNTY:</b><br>UINTAH  |               |
| <b>STATE:</b><br>UTAH   |               |

**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.

|   |  |
|---|--|
| <b>1. TYPE OF WELL</b><br>Gas Well  |  |
| <b>2. NAME OF OPERATOR:</b><br>EOG RESOURCES, INC.  |  |
| <b>3. ADDRESS OF OPERATOR:</b><br>600 17th Street, Suite 1000 N , Denver, CO, 80202   | <b>PHONE NUMBER:</b><br>435 781-9111 Ext |
| <b>4. LOCATION OF WELL</b><br><b>FOOTAGES AT SURFACE:</b><br>1930 FNL 1988 FWL<br><b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b><br>Qtr/Qtr: SENW Section: 25 Township: 09.0S Range: 22.0E Meridian: S |  |

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

| TYPE OF SUBMISSION   | TYPE OF ACTION   |   |   |
|--|--|---|---|
| <input checked="" type="checkbox"/> <b>NOTICE OF INTENT</b><br>Approximate date work will start:<br>10/10/2014 | <input type="checkbox"/> ACIDIZE                       | <input type="checkbox"/> ALTER CASING                   | <input type="checkbox"/> CASING REPAIR                  |
| <input type="checkbox"/> <b>SUBSEQUENT REPORT</b><br>Date of Work Completion:                                  | <input type="checkbox"/> CHANGE TO PREVIOUS PLANS      | <input type="checkbox"/> CHANGE TUBING                  | <input type="checkbox"/> CHANGE WELL NAME               |
| <input type="checkbox"/> <b>SPUD REPORT</b><br>Date of Spud:   | <input type="checkbox"/> CHANGE WELL STATUS            | <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS | <input type="checkbox"/> CONVERT WELL TYPE              |
| <input type="checkbox"/> <b>DRILLING REPORT</b><br>Report Date:  | <input type="checkbox"/> DEEPEN                        | <input type="checkbox"/> FRACTURE TREAT                 | <input type="checkbox"/> NEW CONSTRUCTION               |
|  | <input type="checkbox"/> OPERATOR CHANGE               | <input type="checkbox"/> PLUG AND ABANDON               | <input type="checkbox"/> PLUG BACK                      |
|  | <input type="checkbox"/> PRODUCTION START OR RESUME    | <input type="checkbox"/> RECLAMATION OF WELL SITE       | <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION |
|  | <input type="checkbox"/> REPERFORATE CURRENT FORMATION | <input type="checkbox"/> SIDETRACK TO REPAIR WELL       | <input type="checkbox"/> TEMPORARY ABANDON              |
|  | <input type="checkbox"/> TUBING REPAIR                 | <input type="checkbox"/> VENT OR FLARE                  | <input type="checkbox"/> WATER DISPOSAL                 |
|  | <input type="checkbox"/> WATER SHUTOFF                 | <input type="checkbox"/> SI TA STATUS EXTENSION         | <input checked="" type="checkbox"/> APD EXTENSION       |
|  | <input type="checkbox"/> WILDCAT WELL DETERMINATION    | <input type="checkbox"/> OTHER                          | OTHER: <input style="width: 100px;" type="text"/>       |

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 14, 2014  
 Oil, Gas and Mining

Date: \_\_\_\_\_

By: 

|   |                                     |  |
|---|-------------------------------------|--|
| <b>NAME (PLEASE PRINT)</b><br>Donna J Skinner | <b>PHONE NUMBER</b><br>303 262-9467 | <b>TITLE</b><br>Sr. Regulatory Assistant |
| <b>SIGNATURE</b><br>N/A                       | <b>DATE</b><br>10/10/2014           |  |



**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 43047513150000**

API: 43047513150000

Well Name: CWU 1493-25D

Location: 1930 FNL 1988 FWL QTR SENW SEC 25 TWP 090S RNG 220E MER S

Company Permit Issued to: EOG RESOURCES, INC.

Date Original Permit Issued: 10/25/2010

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: 10/10/2014

Title: Sr. Regulatory Assistant Representing: EOG RESOURCES, INC.

|  |               |
|--|---------------|
| <b>STATE OF UTAH</b><br>DEPARTMENT OF NATURAL RESOURCES<br>DIVISION OF OIL, GAS, AND MINING  | <b>FORM 9</b> |
| <b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b><br>UTU0285A   |               |
| <b>SUNDRY NOTICES AND REPORTS ON WELLS</b>   |               |
| 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. |               |
| <b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>   |               |
| <b>7. UNIT or CA AGREEMENT NAME:</b><br>CHAPITA WELLS  |               |
| <b>8. WELL NAME and NUMBER:</b><br>CWU 1493-25D  |               |
| <b>9. API NUMBER:</b><br>43047513150000  |               |
| <b>9. FIELD and POOL or WILDCAT:</b><br>NATURAL BUTTES   |               |
| <b>9. COUNTY:</b><br>UINTAH  |               |
| <b>9. STATE:</b><br>UTAH   |               |
| <b>1. TYPE OF WELL</b><br>Gas Well   |               |
| <b>2. NAME OF OPERATOR:</b><br>EOG RESOURCES, INC.   |               |
| <b>3. ADDRESS OF OPERATOR:</b><br>1060 East Highway 40 , Vernal, UT, 84078   |               |
| <b>PHONE NUMBER:</b><br>435 781-9111 Ext   |               |
| <b>4. LOCATION OF WELL</b><br><b>FOOTAGES AT SURFACE:</b><br>1930 FNL 1988 FWL<br><b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b><br>Qtr/Qtr: SENW Section: 25 Township: 09.0S Range: 22.0E Meridian: S                                      |               |

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

| TYPE OF SUBMISSION   | TYPE OF ACTION   |   |   |
|--|--|---|---|
| <input checked="" type="checkbox"/> <b>NOTICE OF INTENT</b><br>Approximate date work will start:<br>9/2/2015 | <input type="checkbox"/> ACIDIZE                       | <input type="checkbox"/> ALTER CASING                   | <input type="checkbox"/> CASING REPAIR                  |
| <input type="checkbox"/> <b>SUBSEQUENT REPORT</b><br>Date of Work Completion:                                | <input type="checkbox"/> CHANGE TO PREVIOUS PLANS      | <input type="checkbox"/> CHANGE TUBING                  | <input type="checkbox"/> CHANGE WELL NAME               |
| <input type="checkbox"/> <b>SPUD REPORT</b><br>Date of Spud:   | <input type="checkbox"/> CHANGE WELL STATUS            | <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS | <input type="checkbox"/> CONVERT WELL TYPE              |
| <input type="checkbox"/> <b>DRILLING REPORT</b><br>Report Date:  | <input type="checkbox"/> DEEPEN                        | <input type="checkbox"/> FRACTURE TREAT                 | <input type="checkbox"/> NEW CONSTRUCTION               |
|  | <input type="checkbox"/> OPERATOR CHANGE               | <input type="checkbox"/> PLUG AND ABANDON               | <input type="checkbox"/> PLUG BACK                      |
|  | <input type="checkbox"/> PRODUCTION START OR RESUME    | <input type="checkbox"/> RECLAMATION OF WELL SITE       | <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION |
|  | <input type="checkbox"/> REPERFORATE CURRENT FORMATION | <input type="checkbox"/> SIDETRACK TO REPAIR WELL       | <input type="checkbox"/> TEMPORARY ABANDON              |
|  | <input type="checkbox"/> TUBING REPAIR                 | <input type="checkbox"/> VENT OR FLARE                  | <input type="checkbox"/> WATER DISPOSAL                 |
|  | <input type="checkbox"/> WATER SHUTOFF                 | <input type="checkbox"/> SI TA STATUS EXTENSION         | <input checked="" type="checkbox"/> APD EXTENSION       |
|  | <input type="checkbox"/> WILDCAT WELL DETERMINATION    | <input type="checkbox"/> OTHER                          | OTHER: <input style="width: 100px;" type="text"/>       |

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**  
**September 03, 2015**  
**Oil, Gas and Mining**

**Date:** \_\_\_\_\_  
**By:**

|   |                                     |  |
|---|-------------------------------------|--|
| <b>NAME (PLEASE PRINT)</b><br>Kaylene Gardner | <b>PHONE NUMBER</b><br>435 781-9111 | <b>TITLE</b><br>Regulatory Administrator |
| <b>SIGNATURE</b><br>N/A                       | <b>DATE</b><br>9/2/2015             |  |



**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 43047513150000**

API: 43047513150000

Well Name: CWU 1493-25D

Location: 1930 FNL 1988 FWL QTR SENW SEC 25 TWNP 090S RNG 220E MER S

Company Permit Issued to: EOG RESOURCES, INC.

Date Original Permit Issued: 10/25/2010

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: 9/2/2015

Title: Regulatory Administrator Representing: EOG RESOURCES, INC.

|  |   |
|--|---|
| <b>STATE OF UTAH</b><br>DEPARTMENT OF NATURAL RESOURCES<br>DIVISION OF OIL, GAS, AND MINING  | <b>FORM 9</b>                                       |
| <b>SUNDRY NOTICES AND REPORTS ON WELLS</b><br><br>Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals. | 5. LEASE DESIGNATION AND SERIAL NUMBER:<br>UTU0285A |
| 1. TYPE OF WELL<br>Gas Well  | 6. IF INDIAN, ALLOTTEE OR TRIBE NAME:               |
| 2. NAME OF OPERATOR:<br>EOG RESOURCES, INC.  | 7. UNIT or CA AGREEMENT NAME:<br>CHAPITA WELLS      |
| 3. ADDRESS OF OPERATOR:<br>600 17th Street Ste 1000N , Denver, CO, 80202   | 8. WELL NAME and NUMBER:<br>CWU 1493-25D            |
| 4. LOCATION OF WELL<br>FOOTAGES AT SURFACE:<br>1930 FNL 1988 FWL<br>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:<br>Qtr/Qtr: SENW Section: 25 Township: 09.0S Range: 22.0E Meridian: S   | 9. API NUMBER:<br>43047513150000                    |
| 9. FIELD and POOL or WILDCAT:<br>NATURAL BUTTES  | COUNTY:<br>UINTAH                                   |
| 9. API NUMBER:<br>43047513150000   | STATE:<br>UTAH                                      |

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

| TYPE OF SUBMISSION  | TYPE OF ACTION   |   |   |
|---|--|---|---|
| <input checked="" type="checkbox"/> NOTICE OF INTENT<br>Approximate date work will start:<br><b>8/22/2016</b> | <input type="checkbox"/> ACIDIZE                       | <input type="checkbox"/> ALTER CASING                   | <input type="checkbox"/> CASING REPAIR                  |
| <input type="checkbox"/> SUBSEQUENT REPORT<br>Date of Work Completion:  | <input type="checkbox"/> CHANGE TO PREVIOUS PLANS      | <input type="checkbox"/> CHANGE TUBING                  | <input type="checkbox"/> CHANGE WELL NAME               |
| <input type="checkbox"/> SPUD REPORT<br>Date of Spud:   | <input type="checkbox"/> CHANGE WELL STATUS            | <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS | <input type="checkbox"/> CONVERT WELL TYPE              |
| <input type="checkbox"/> DRILLING REPORT<br>Report Date:  | <input type="checkbox"/> DEEPEN                        | <input type="checkbox"/> FRACTURE TREAT                 | <input type="checkbox"/> NEW CONSTRUCTION               |
|   | <input type="checkbox"/> OPERATOR CHANGE               | <input type="checkbox"/> PLUG AND ABANDON               | <input type="checkbox"/> PLUG BACK                      |
|   | <input type="checkbox"/> PRODUCTION START OR RESUME    | <input type="checkbox"/> RECLAMATION OF WELL SITE       | <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION |
|   | <input type="checkbox"/> REPERFORATE CURRENT FORMATION | <input type="checkbox"/> SIDETRACK TO REPAIR WELL       | <input type="checkbox"/> TEMPORARY ABANDON              |
|   | <input type="checkbox"/> TUBING REPAIR                 | <input type="checkbox"/> VENT OR FLARE                  | <input type="checkbox"/> WATER DISPOSAL                 |
|   | <input type="checkbox"/> WATER SHUTOFF                 | <input type="checkbox"/> SI TA STATUS EXTENSION         | <input checked="" type="checkbox"/> APD EXTENSION       |
|   | <input type="checkbox"/> WILDCAT WELL DETERMINATION    | <input type="checkbox"/> OTHER                          | OTHER: <input style="width: 100px;" type="text"/>       |

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**  
**August 23, 2016**  
**Oil, Gas and Mining**

Date: \_\_\_\_\_  
 By: 

|  |                              |                               |
|--|------------------------------|-------------------------------|
| NAME (PLEASE PRINT)<br>Kristen Sheehan | PHONE NUMBER<br>303 262-9931 | TITLE<br>Assistant Regulatory |
| SIGNATURE<br>N/A                       | DATE<br>8/22/2016            |                               |



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

- State of Utah  
- Department of Natural Resources

Electronic Permitting System - Sundry Notices

**Request for Permit Extension Validation Well Number 43047513150000**

API: 43047513150000

Well Name: CWU 1493-25D

Location: 1930 FNL 1988 FWL QTR SENW SEC 25 TWP 090S RNG 220E MER S

Company Permit Issued to: EOG RESOURCES, INC.

Date Original Permit Issued: 10/25/2010

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: Kristen Sheehan

Date: 8/22/2016

Title: Assistant Regulatory Representing: EOG RESOURCES, INC.