

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

FORM 3

AMENDED REPORT

|   |  |   |
|---|--|---|
| <b>APPLICATION FOR PERMIT TO DRILL</b>  |  | <b>1. WELL NAME and NUMBER</b><br>Ute Tribal 18-16J   |
| <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>ANTELOPE CREEK  |
| <b>4. TYPE OF WELL</b><br>Oil Well      Coalbed Methane Well: NO  |  | <b>5. UNIT or COMMUNITIZATION AGREEMENT NAME</b><br>ANTELOPE CREEK  |
| <b>6. NAME OF OPERATOR</b><br>PETROGLYPH OPERATING CO   |  | <b>7. OPERATOR PHONE</b><br>208 685-7674  |
| <b>8. ADDRESS OF OPERATOR</b><br>960 Broadway Ave, Ste 500, Bosie, ID, 83703  |  | <b>9. OPERATOR E-MAIL</b><br>bwest@pgei.com   |
| <b>10. MINERAL LEASE NUMBER (FEDERAL, INDIAN, OR STATE)</b><br>BIA 14-20-H62-3512   | <b>11. MINERAL OWNERSHIP</b><br>FEDERAL <input type="checkbox"/> INDIAN <input checked="" type="checkbox"/> STATE <input type="checkbox"/> FEE <input type="checkbox"/>    | <b>12. SURFACE OWNERSHIP</b><br>FEDERAL <input type="checkbox"/> INDIAN <input checked="" 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><br>Ute Indian Tribe   | <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"/>                               |

| 20. LOCATION OF WELL            | FOOTAGES         | QTR-QTR | SECTION | TOWNSHIP | RANGE | MERIDIAN |
|---------------------------------|------------------|---------|---------|----------|-------|----------|
| LOCATION AT SURFACE             | 900 FSL 687 FEL  | SESE    | 18      | 5.0 S    | 3.0 W | U        |
| Top of Uppermost Producing Zone | 1570 FSL 150 FWL | NWSW    | 17      | 5.0 S    | 3.0 W | U        |
| At Total Depth                  | 1570 FSL 150 FWL | NWSW    | 17      | 5.0 S    | 3.0 W | U        |

|   |   |   |
|---|---|---|
| <b>21. COUNTY</b><br>DUCHESNE   | <b>22. DISTANCE TO NEAREST LEASE LINE (Feet)</b><br>687 | <b>23. NUMBER OF ACRES IN DRILLING UNIT</b><br>640  |
| <b>25. DISTANCE TO NEAREST WELL IN SAME POOL (Applied For Drilling or Completed)</b><br>783 | <b>26. PROPOSED DEPTH</b><br>MD: 6145    TVD: 6009      |   |
| <b>27. ELEVATION - GROUND LEVEL</b><br>6145   | <b>28. BOND NUMBER</b><br>LP4138153                     | <b>29. SOURCE OF DRILLING WATER / WATER RIGHTS APPROVAL NUMBER IF APPLICABLE</b><br>43-8342 |

**Hole, Casing, and Cement Information**

| String | Hole Size | Casing Size | Length   | Weight | Grade & Thread | Max Mud Wt. | Cement  | Sacks | Yield | Weight |
|--------|-----------|-------------|----------|--------|----------------|-------------|---------|-------|-------|--------|
| COND   | 20        | 14          | 0 - 40   | 5.0    | Unknown        | 10.0        | Class G | 25    | 1.17  | 15.8   |
| SURF   | 12.25     | 8.625       | 0 - 480  | 24.0   | J-55 ST&C      | 10.0        | Class G | 220   | 1.17  | 15.8   |
| PROD   | 7.875     | 5.5         | 0 - 6145 | 15.5   | J-55 LT&C      | 10.0        | Class G | 467   | 1.92  | 12.5   |
|        |           |             |          |        |                |             | Class G | 333   | 1.46  | 13.4   |

**ATTACHMENTS**

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

|  |  |
|--|--|
| <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 type="checkbox"/> DIRECTIONAL SURVEY PLAN (IF DIRECTIONALLY OR HORIZONTALLY DRILLED)    | <input checked="" type="checkbox"/> TOPOGRAPHICAL MAP                      |

|  |  |                                     |
|--|--|-------------------------------------|
| <b>NAME</b> Ed Trotter                       | <b>TITLE</b> Agent   | <b>PHONE</b> 435 789-4120           |
| <b>SIGNATURE</b>                             | <b>DATE</b> 01/27/2012   | <b>EMAIL</b> edtrotter@easilink.com |
| <b>API NUMBER ASSIGNED</b><br>43013512000000 | <b>APPROVAL</b><br><br><br>Permit Manager |                                     |

# T5S, R3W, U.S.B.&M.

## PETROGLYPH OPERATING CO., INC.

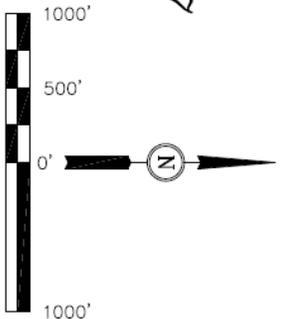
Well location, UTE TRIBAL #18-16J, located as shown in the SE 1/4 SE 1/4 of Section 18, T5S, R3W, U.S.B.&M., Duchesne County, Utah.

### BASIS OF ELEVATION

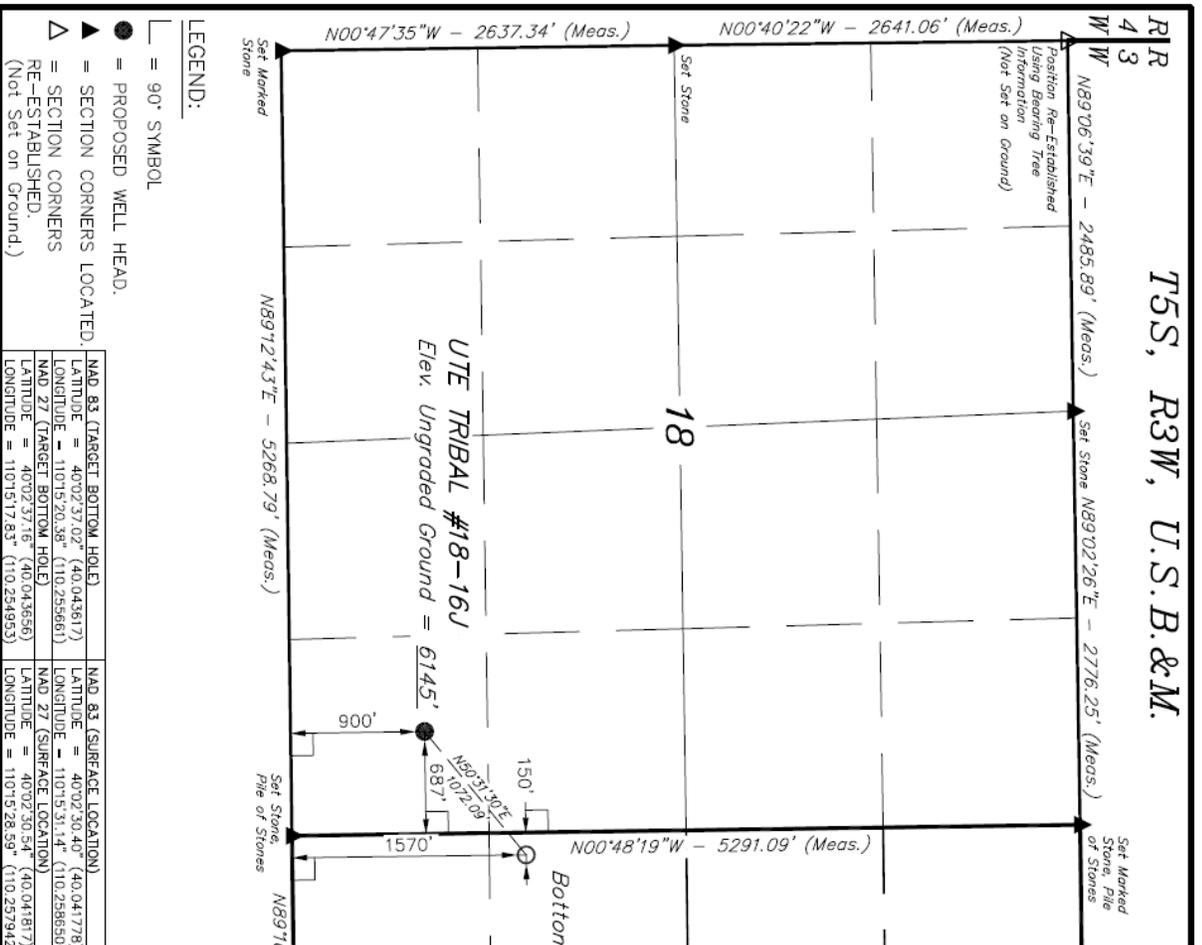
BRASS CAP SET IN CONCRETE BY SUNRISE ENGINEERING LOCATED IN THE SE 1/4 OF SECTION 16, T5S, R3W, U.S.B.&M. SAID ELEVATION IS MARKED AS BEING 6281.9 FEET.

### BASIS OF BEARINGS

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



CERTIFICATE  
 THIS IS TO CERTIFY THAT THE ABOVE MAP 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.



- LEGEND:**
- = 90° SYMBOL
  - = PROPOSED WELL HEAD.
  - ▲ = SECTION CORNERS LOCATED.
  - △ = SECTION CORNERS RE-ESTABLISHED. (Not Set on Ground.)

| NAD 83 (TARGET BOTTOM HOLE)            | NAD 83 (SURFACE LOCATION)              |
|--|--|
| LATITUDE = 40°02'37.02" (40.043617)    | LATITUDE = 40°02'30.40" (40.041778)    |
| LONGITUDE = 110°15'20.36" (110.255661) | LONGITUDE = 110°15'31.14" (110.258650) |
| NAD 27 (TARGET BOTTOM HOLE)            | NAD 27 (SURFACE LOCATION)              |
| LATITUDE = 40°02'37.16" (40.043656)    | LATITUDE = 40°02'30.54" (40.041817)    |
| LONGITUDE = 110°15'17.83" (110.254953) | LONGITUDE = 110°15'28.59" (110.257942) |

|  |                                |
|--|--------------------------------|
| <b>UTAH ENGINEERING &amp; LAND SURVEYING</b> |                                |
| 85 SOUTH 200 EAST - VERNAL, UTAH 84078       |                                |
| (435) 789-1017                               |                                |
| SCALE  | 1" = 1000'                     |
| PARTY  | G.S. D.A. S.B.                 |
| WEATHER                                      | WARM                           |
| DATE SURVEYED:                               | 08-09-11                       |
| DATE DRAWN:                                  | 10-10-11                       |
| REFERENCES                                   | G.L.O. PLAT                    |
| FILE   | PETROGLYPH OPERATING CO., INC. |