

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

FORM 3
AMENDED REPORT

| | | | | | | |
|---|------------------|--|----------------|---|--------------|-----------------|
| APPLICATION FOR PERMIT TO DRILL | | | | 1. WELL NAME and NUMBER Bonanza 1023-18L2S | | |
| 2. TYPE OF WORK DRILL NEW WELL <input checked="" type="checkbox"/> REENTER P&A WELL <input type="checkbox"/> DEEPEN WELL <input type="checkbox"/> | | | | 3. FIELD OR WILDCAT NATURAL BUTTES | | |
| 4. TYPE OF WELL Gas Well Coalbed Methane Well: NO | | | | 5. UNIT or COMMUNITIZATION AGREEMENT NAME | | |
| 6. NAME OF OPERATOR KERR-MCGEE OIL & GAS ONSHORE, L.P. | | | | 7. OPERATOR PHONE 720 929-6587 | | |
| 8. ADDRESS OF OPERATOR P.O. Box 173779, Denver, CO, 80217 | | | | 9. OPERATOR E-MAIL mary.mondragon@anadarko.com | | |
| 10. MINERAL LEASE NUMBER (FEDERAL, INDIAN, OR STATE) UTU 38421 | | 11. MINERAL OWNERSHIP FEDERAL <input checked="" type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input type="checkbox"/> FEE <input type="checkbox"/> | | 12. SURFACE OWNERSHIP FEDERAL <input checked="" type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input type="checkbox"/> FEE <input type="checkbox"/> | | |
| 13. NAME OF SURFACE OWNER (if box 12 = 'fee') | | | | 14. SURFACE OWNER PHONE (if box 12 = 'fee') | | |
| 15. ADDRESS OF SURFACE OWNER (if box 12 = 'fee') | | | | 16. SURFACE OWNER E-MAIL (if box 12 = 'fee') | | |
| 17. INDIAN ALLOTTEE OR TRIBE NAME (if box 12 = 'INDIAN') | | 18. INTEND TO COMMINGLE PRODUCTION FROM MULTIPLE FORMATIONS YES <input checked="" type="checkbox"/> (Submit Commingling Application) NO <input type="checkbox"/> | | 19. SLANT 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 | 2535 FNL 898 FWL | SWNW | 18 | 10.0 S | 23.0 E | S |
| Top of Uppermost Producing Zone | 2220 FSL 425 FWL | NWSW | 18 | 10.0 S | 23.0 E | S |
| At Total Depth | 2220 FSL 425 FWL | NWSW | 18 | 10.0 S | 23.0 E | S |
| 21. COUNTY UINTAH | | 22. DISTANCE TO NEAREST LEASE LINE (Feet) 425 | | 23. NUMBER OF ACRES IN DRILLING UNIT 320 | | |
| | | 25. DISTANCE TO NEAREST WELL IN SAME POOL (Applied For Drilling or Completed) 535 | | 26. PROPOSED DEPTH MD: 8357 TVD: 8250 | | |
| 27. ELEVATION - GROUND LEVEL 5316 | | 28. BOND NUMBER WYB000291 | | 29. SOURCE OF DRILLING WATER / WATER RIGHTS APPROVAL NUMBER IF APPLICABLE Permit #43-8496 | | |

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

| | | |
|--|---|--|
| NAME Danielle Piernot | TITLE Regulatory Analyst | PHONE 720 929-6156 |
| SIGNATURE | DATE 06/29/2009 | EMAIL danielle.piernot@anadarko.com |
| API NUMBER ASSIGNED 43047505200000 | APPROVAL  Permit Manager | |

Proposed Hole, Casing, and Cement

| String | Hole Size | Casing Size | Top (MD) | Bottom (MD) | | |
|---------------|------------------|--------------------|-----------------|--------------------|--|--|
| Prod | 7.875 | 4.5 | 0 | 8357 | | |
| Pipe | Grade | Length | Weight | | | |
| | Grade I-80 LT&C | 8357 | 11.6 | | | |
| | | | | | | |

Proposed Hole, Casing, and Cement

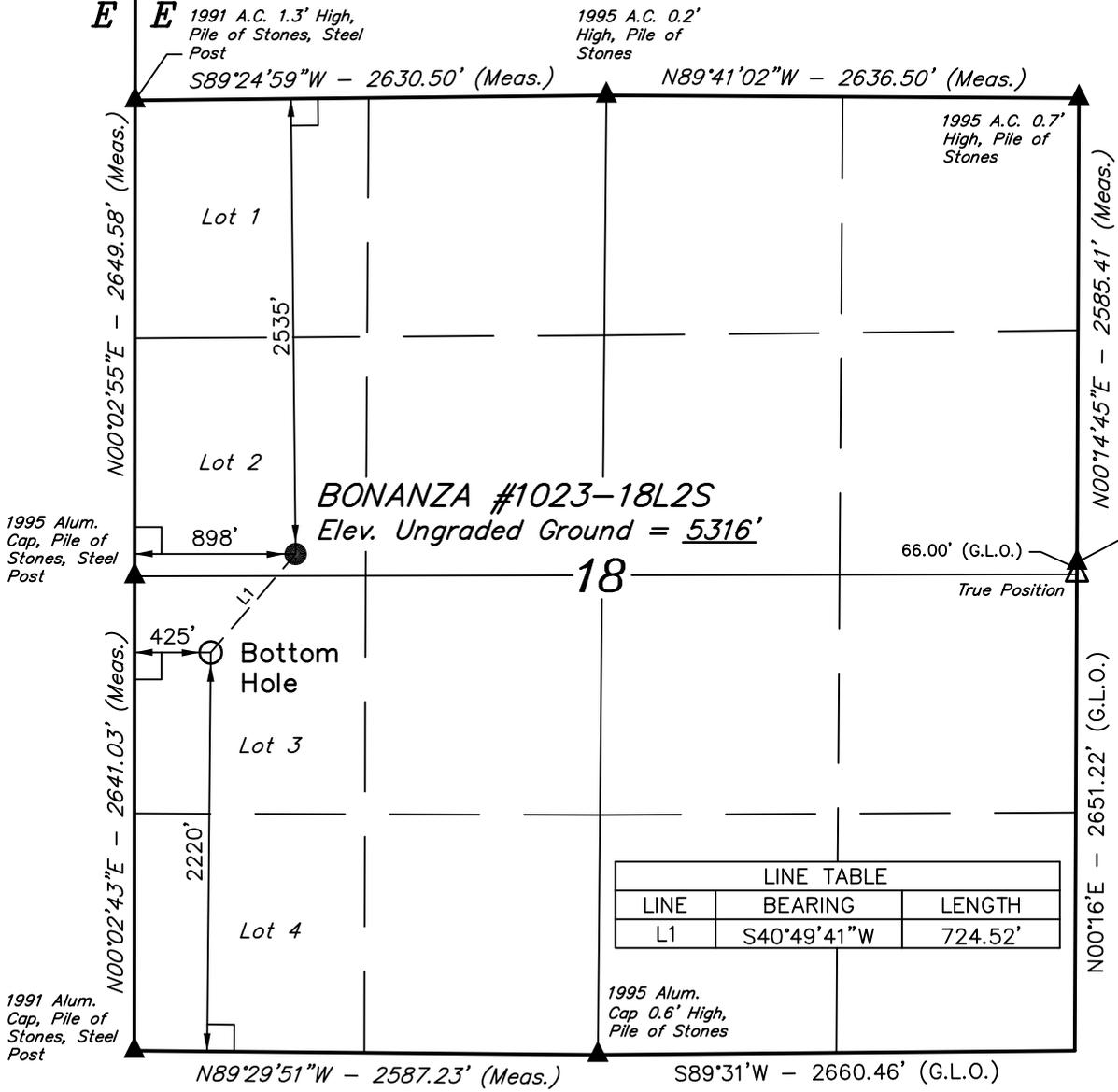
| String | Hole Size | Casing Size | Top (MD) | Bottom (MD) | | |
|---------------|------------------|--------------------|-----------------|--------------------|--|--|
| Surf | 12.25 | 9.625 | 0 | 1970 | | |
| Pipe | Grade | Length | Weight | | | |
| | Grade J-55 LT&C | 1970 | 36.0 | | | |
| | | | | | | |

Kerr-McGee Oil & Gas Onshore LP

Well location, BONANZA #1023-18L2S, located as shown in LOT 2 of Section 18, T10S, R23E, S.L.B.&M., Uintah County, Utah.

T10S, R23E, S.L.B.&M.

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

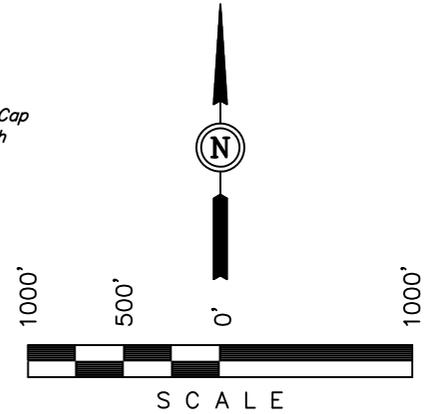


BASIS OF ELEVATION

BENCH MARK 58 EAM (1965) LOCATED IN THE NE 1/4 OF SECTION 30, T9S, R23E, S.L.B.&M. TAKEN FROM THE RED WASH 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 5132 FEET.

BASIS OF BEARINGS

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



| LINE TABLE | | |
|------------|-------------|---------|
| LINE | BEARING | LENGTH |
| L1 | S40°49'41"W | 724.52' |

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 L. JAMES
 REGISTERED LAND SURVEYOR
 No. 161319
 STATE OF UTAH

REVISED: 05-22-09

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

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

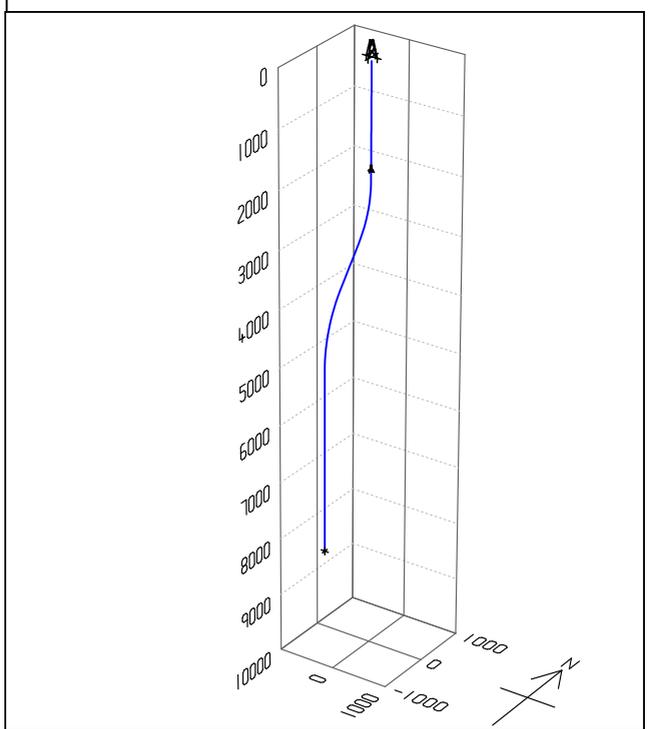
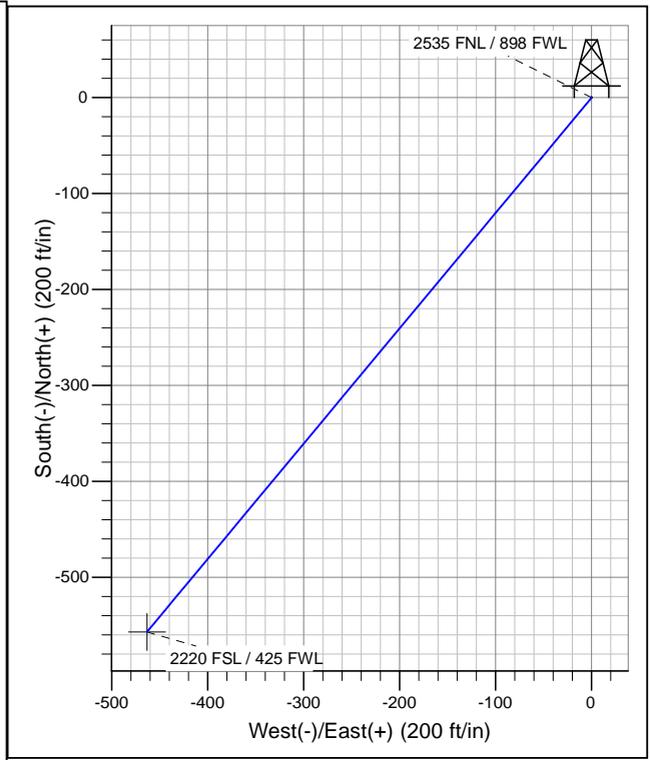
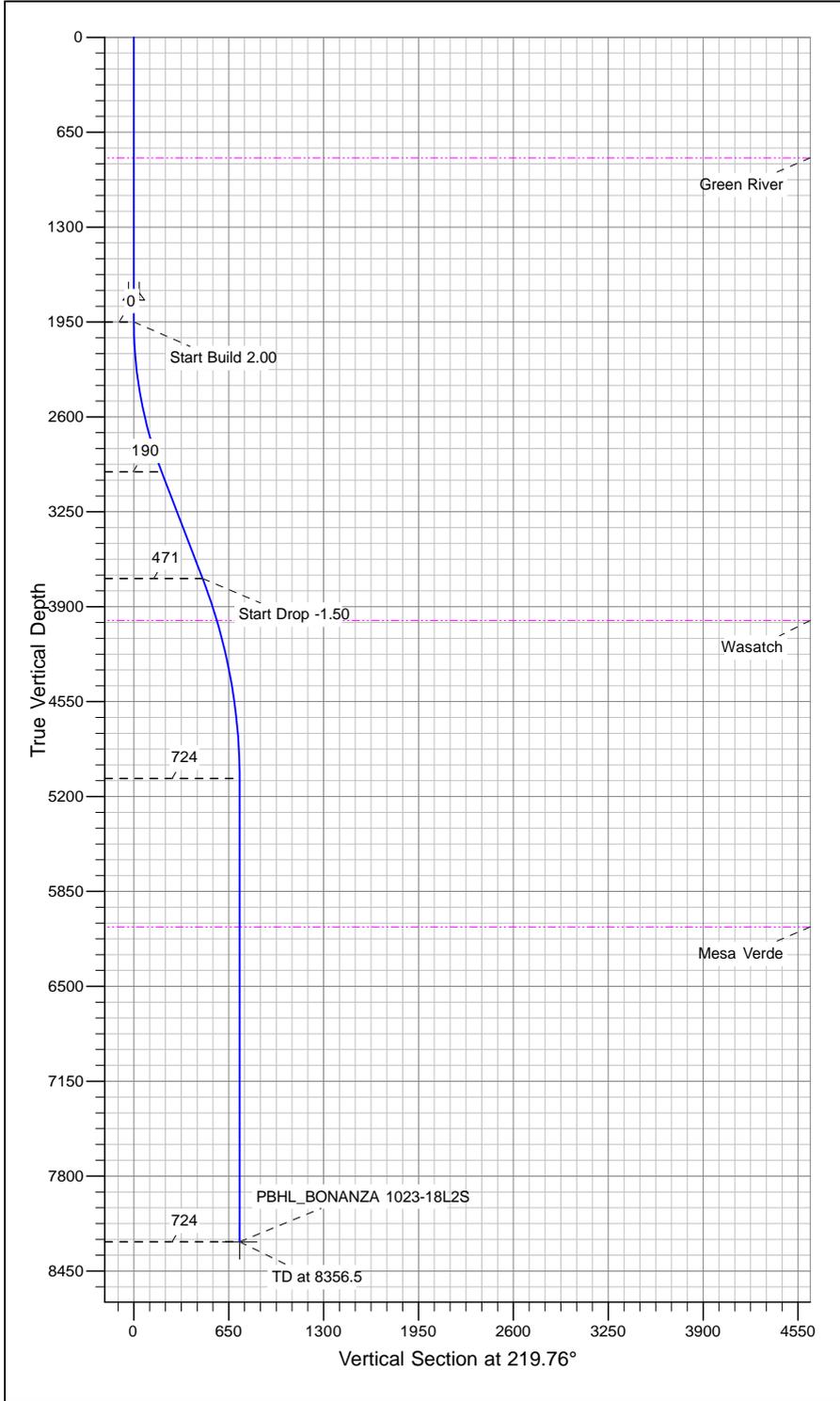
| NAD 83 (TARGET BOTTOM HOLE) | NAD 83 (SURFACE LOCATION) |
|--|--|
| LATITUDE = 39°56'51.85" (39.947736) | LATITUDE = 39°56'57.27" (39.949242) |
| LONGITUDE = 109°22'38.55" (109.377375) | LONGITUDE = 109°22'32.47" (109.375686) |
| NAD 27 (TARGET BOTTOM HOLE) | NAD 27 (SURFACE LOCATION) |
| LATITUDE = 39°56'51.97" (39.947769) | LATITUDE = 39°56'57.39" (39.949275) |
| LONGITUDE = 109°22'36.10" (109.376694) | LONGITUDE = 109°22'30.02" (109.375006) |

| | | |
|-------------------------|---|-------------------------|
| SCALE 1" = 1000' | DATE SURVEYED: 05-15-09 | DATE DRAWN: 05-18-09 |
| PARTY D.K. J.R. D.P. | REFERENCES G.L.O. PLAT | |
| WEATHER WARM | FILE Kerr-McGee Oil & Gas Onshore LP | |

APIWellNo:43047505200000



Well Name: P_BONANZA 1023-18L2S
 Surface Location: UINTAH_BONANZA 1023-18E2 PAD
 NAD 1927 (NADCON CONUS) Universal Transverse Mercator (US Survey Feet)
 UTAH - UTM (feet), NAD27, Zone 12N
 Ground Elevation: 5316.0
 Northing 4423181.54 Easting 638818.57 Latitude 39° 56' 57.39000 N Longitude 109° 22' 30.02000 W



| SECTION DETAILS | | | | | | | | | |
|-----------------|-------|--------|--------|--------|--------|------|--------|-------|--|
| MD | Inc | Azi | TVD | +N/-S | +E/-W | Dleg | TFace | VSect | |
| 0.0 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.0 | |
| 1950.0 | 0.00 | 0.00 | 1950.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.0 | |
| 3000.0 | 21.00 | 219.76 | 2976.6 | -146.3 | -121.7 | 2.00 | 219.76 | 190.3 | |
| 3782.7 | 21.00 | 219.76 | 3707.3 | -361.9 | -301.1 | 0.00 | 0.00 | 470.8 | |
| 5182.7 | 0.00 | 0.00 | 5076.2 | -556.9 | -463.4 | 1.50 | 180.00 | 724.5 | |
| 8356.5 | 0.00 | 0.00 | 8250.0 | -556.9 | -463.4 | 0.00 | 0.00 | 724.5 | |

Azimuths to Grid North
 True North: -1.04°
 Magnetic North: 10.21°
 Magnetic Field
 Strength: 52545.0snT
 Dip Angle: 65.91°
 Date: 6/10/2009
 Model: IGRF200510

US ROCKIES REGION PLANNING

UTAH - UTM (feet), NAD27, Zone 12N

UINTAH_BONANZA 1023-18E2 PAD

P_BONANZA 1023-18L2S

P_BONANZA 1023-18L2S

Plan: Plan #1 06-10-09 ZJRA6

Standard Planning Report - Geographic

10 June, 2009

APC Planning Report - Geographic

| | | | |
|------------------|------------------------------------|-------------------------------------|--------------------------------------|
| Database: | edm5000p | Local Co-ordinate Reference: | Well P_BONANZA 1023-18L2S |
| Company: | US ROCKIES REGION PLANNING | TVD Reference: | WELL @ 5316.0ft (Original Well Elev) |
| Project: | UTAH - UTM (feet), NAD27, Zone 12N | MD Reference: | WELL @ 5316.0ft (Original Well Elev) |
| Site: | UINTAH_BONANZA 1023-18E2 PAD | North Reference: | Grid |
| Well: | P_BONANZA 1023-18L2S | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | P_BONANZA 1023-18L2S | | |
| Design: | Plan #1 06-10-09 ZJRA6 | | |

| | | | |
|--------------------|--|----------------------|----------------|
| Project | UTAH - UTM (feet), NAD27, Zone 12N | | |
| Map System: | Universal Transverse Mercator (US Survey Fee | System Datum: | Mean Sea Level |
| Geo Datum: | NAD 1927 (NADCON CONUS) | | |
| Map Zone: | Zone 12N (114 W to 108 W) | | |

| | | | | | |
|------------------------------|------------------------------|---------------------|----------------|--------------------------|---------------------|
| Site | UINTAH_BONANZA 1023-18E2 PAD | | | | |
| Site Position: | | Northing: | 4,423,181.54 m | Latitude: | 39° 56' 57.39000 N |
| From: | Lat/Long | Easting: | 638,818.57 m | Longitude: | 109° 22' 30.02000 W |
| Position Uncertainty: | 0.0 ft | Slot Radius: | 0.000 in | Grid Convergence: | 1.04 ° |

| | | | | | | |
|-----------------------------|----------------------|--------|----------------------------|----------------|----------------------|---------------------|
| Well | P_BONANZA 1023-18L2S | | | | | |
| Well Position | +N/-S | 0.0 ft | Northing: | 4,423,181.54 m | Latitude: | 39° 56' 57.39000 N |
| | +E/-W | 0.0 ft | Easting: | 638,818.57 m | Longitude: | 109° 22' 30.02000 W |
| Position Uncertainty | | 0.0 ft | Wellhead Elevation: | | Ground Level: | 5,316.0 ft |

| | | | | | |
|------------------|----------------------|--------------------|------------------------|----------------------|----------------------------|
| Wellbore | P_BONANZA 1023-18L2S | | | | |
| Magnetics | Model Name | Sample Date | Declination (°) | Dip Angle (°) | Field Strength (nT) |
| | IGRF200510 | 6/10/2009 | 11.26 | 65.91 | 52,545 |

| | | | | | |
|--------------------------|------------------------------|-------------------|----------------------|----------------------|--|
| Design | Plan #1 06-10-09 ZJRA6 | | | | |
| Audit Notes: | | | | | |
| Version: | Phase: | PLAN | Tie On Depth: | 0.0 | |
| Vertical Section: | Depth From (TVD) (ft) | +N/-S (ft) | +E/-W (ft) | Direction (°) | |
| | 8,250.0 | 0.0 | 0.0 | 219.76 | |

| Plan Sections | | | | | | | | | | |
|----------------------|-----------------|-------------|---------------------|------------|------------|-----------------------|----------------------|---------------------|---------|----------------|
| Measured Depth (ft) | Inclination (°) | Azimuth (°) | Vertical Depth (ft) | +N/-S (ft) | +E/-W (ft) | Dogleg Rate (°/100ft) | Build Rate (°/100ft) | Turn Rate (°/100ft) | TFO (°) | Target |
| 0.0 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 1,950.0 | 0.00 | 0.00 | 1,950.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 3,000.0 | 21.00 | 219.76 | 2,976.6 | -146.3 | -121.7 | 2.00 | 2.00 | 0.00 | 219.76 | |
| 3,782.7 | 21.00 | 219.76 | 3,707.3 | -361.9 | -301.1 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 5,182.7 | 0.00 | 0.00 | 5,076.2 | -556.9 | -463.4 | 1.50 | -1.50 | 0.00 | 180.00 | |
| 8,356.5 | 0.00 | 0.00 | 8,250.0 | -556.9 | -463.4 | 0.00 | 0.00 | 0.00 | 0.00 | PBHL_BONANZA 1 |

APC Planning Report - Geographic

| | | | |
|------------------|------------------------------------|-------------------------------------|--------------------------------------|
| Database: | edm5000p | Local Co-ordinate Reference: | Well P_BONANZA 1023-18L2S |
| Company: | US ROCKIES REGION PLANNING | TVD Reference: | WELL @ 5316.0ft (Original Well Elev) |
| Project: | UTAH - UTM (feet), NAD27, Zone 12N | MD Reference: | WELL @ 5316.0ft (Original Well Elev) |
| Site: | UINTAH_BONANZA 1023-18E2 PAD | North Reference: | Grid |
| Well: | P_BONANZA 1023-18L2S | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | P_BONANZA 1023-18L2S | | |
| Design: | Plan #1 06-10-09 ZJRA6 | | |

| Planned Survey | | | | | | | | | |
|-----------------------|-----------------|-------------|---------------------|------------|------------|------------------|-----------------|--------------------|---------------------|
| Measured Depth (ft) | Inclination (°) | Azimuth (°) | Vertical Depth (ft) | +N/-S (ft) | +E/-W (ft) | Map Northing (m) | Map Easting (m) | Latitude | Longitude |
| 0.0 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 4,423,181.54 | 638,818.57 | 39° 56' 57.39000 N | 109° 22' 30.02000 W |
| 826.0 | 0.00 | 0.00 | 826.0 | 0.0 | 0.0 | 4,423,181.54 | 638,818.57 | 39° 56' 57.39000 N | 109° 22' 30.02000 W |
| Green River | | | | | | | | | |
| 1,800.0 | 0.00 | 0.00 | 1,800.0 | 0.0 | 0.0 | 4,423,181.54 | 638,818.57 | 39° 56' 57.39000 N | 109° 22' 30.02000 W |
| Surface Casing | | | | | | | | | |
| 1,950.0 | 0.00 | 0.00 | 1,950.0 | 0.0 | 0.0 | 4,423,181.54 | 638,818.57 | 39° 56' 57.39000 N | 109° 22' 30.02000 W |
| 3,000.0 | 21.00 | 219.76 | 2,976.6 | -146.3 | -121.7 | 4,423,136.96 | 638,781.47 | 39° 56' 55.96647 N | 109° 22' 31.61692 W |
| 3,782.7 | 21.00 | 219.76 | 3,707.3 | -361.9 | -301.1 | 4,423,071.24 | 638,726.79 | 39° 56' 53.86807 N | 109° 22' 33.97084 W |
| 4,085.4 | 16.46 | 219.76 | 3,994.0 | -436.6 | -363.3 | 4,423,048.47 | 638,707.84 | 39° 56' 53.14091 N | 109° 22' 34.78654 W |
| Wasatch | | | | | | | | | |
| 5,182.7 | 0.00 | 0.00 | 5,076.2 | -556.9 | -463.4 | 4,423,011.80 | 638,677.33 | 39° 56' 51.97000 N | 109° 22' 36.10000 W |
| 6,199.5 | 0.00 | 0.00 | 6,093.0 | -556.9 | -463.4 | 4,423,011.80 | 638,677.33 | 39° 56' 51.97000 N | 109° 22' 36.10000 W |
| Mesa Verde | | | | | | | | | |
| 8,356.5 | 0.00 | 0.00 | 8,250.0 | -556.9 | -463.4 | 4,423,011.80 | 638,677.33 | 39° 56' 51.97000 N | 109° 22' 36.10000 W |

| Design Targets | | | | | | | | | |
|---|---------------|--------------|----------|------------|------------|--------------|-------------|--------------------|--------------------|
| Target Name | Dip Angle (°) | Dip Dir. (°) | TVD (ft) | +N/-S (ft) | +E/-W (ft) | Northing (m) | Easting (m) | Latitude | Longitude |
| PBHL_BONANZA 102 - hit/miss target - Shape - Point | 0.00 | 0.00 | 8,250.0 | -556.9 | -463.4 | 4,423,011.80 | 638,677.33 | 39° 56' 51.97000 N | 09° 22' 36.10000 W |

| Casing Points | | | | | |
|---------------------|---------------------|----------------|----------------------|--------------------|--|
| Measured Depth (ft) | Vertical Depth (ft) | Name | Casing Diameter (in) | Hole Diameter (in) | |
| 1,800.0 | 1,800.0 | Surface Casing | 9.625 | 12.250 | |

| Formations | | | | | | |
|---------------------|---------------------|-------------|-----------|---------|-------------------|--|
| Measured Depth (ft) | Vertical Depth (ft) | Name | Lithology | Dip (°) | Dip Direction (°) | |
| 826.0 | 826.0 | Green River | | 0.00 | | |
| 4,085.4 | 3,994.0 | Wasatch | | 0.00 | | |
| 6,199.5 | 6,093.0 | Mesa Verde | | 0.00 | | |

Bonanza 1023-18L2S

Pad: Bonanza 1023-18E

Surface: 2,535' FNL, 898' FWL (SW/4NW/4) Lot 2

BHL: 2,220' FSL 425' FWL (NW/4SW/4) Lot 3

Sec. 18 T10S R23E

Uintah, Utah

Mineral Lease: UTU 38421

ONSHORE ORDER NO. 1

DRILLING PROGRAM

1. – 2. **Estimated Tops of Important Geologic Markers:**
Estimated Depths of Anticipated Water, Oil, Gas, or Mineral Formations:

| <u>Formation</u> | <u>Depth</u> | <u>Resource</u> |
|------------------|--------------|-----------------|
| Uinta | 0 – Surface | |
| Green River | 826' | |
| Birds Nest | 1,289' | Water |
| Mahogany | 1,768' | Water |
| Wasatch | 3,994' | Gas |
| Mesaverde | 6,093' | Gas |
| MVU2 | 6,992' | Gas |
| MVL1 | 7,612' | Gas |
| TVD | 8,250' | |
| TD | 8,357' | |

3. **Pressure Control Equipment** (Schematic Attached)

Please refer to the attached Drilling Program.

4. **Proposed Casing & Cementing Program:**

Please refer to the attached Drilling Program.

5. **Drilling Fluids Program:**

Please refer to the attached Drilling Program.

6. **Evaluation Program:**

Please refer to the attached Drilling Program.

7. Abnormal Conditions:

Maximum anticipated bottomhole pressure calculated at 8,357' TD, approximately equals 4,946 psi (calculated at 0.59 psi/foot).

Maximum anticipated surface pressure equals approximately 3,068 psi (bottomhole pressure minus the pressure of a partially evacuated hole calculated at 0.22 psi/foot).

8. Anticipated Starting Dates:

Drilling is planned to commence immediately upon approval of this application.

9. Variances:

Please refer to the attached Drilling Program.

Onshore Order #2 – Air Drilling Variance

Kerr-McGee Oil & Gas Onshore LP (KMG) respectfully requests a variance to several requirements associated with air drilling outlined in Onshore Order 2

- *Blowout Prevention Equipment (BOPE) requirements;*
- *Mud program requirements; and*
- *Special drilling operation (surface equipment placement) requirements associated with air drilling.*

This Standard Operating Practices addendum provides supporting information as to why KMG current air drilling practices for constructing the surface casing hole should be granted a variance to Onshore Order 2 air drilling requirements.

The reader should note that the air rig is used only to construct a stable surface casing hole through a historically difficult lost circulation zone. A conventional rotary rig follows the air rig, and is used to drill and construct the majority of the wellbore.

More notable, KMG has used the air rig layout and procedures outlined below to drill the surface casing hole in approximately 675 wells without incident of blow out or loss of life.

Background

In a typical well, KMG utilizes an air rig for drilling the surface casing hole, an interval from the surface to surface casing depths, which varies in depth from 1,700 to 2,800 feet. The air rig drilling operation does not drill through productive or over pressured formations in KMG field, but does penetrate the Uinta and Green River Formations. The purpose of the air drilling operation is to overcome the severe loss circulation zone in the Green River known as the Bird's Nest while creating a stable hole for the surface casing. The surface casing hole is generally drilled to approximately 500 feet below the Bird's Nest.

Before the surface air rig is mobilized, a rathole rig is utilized to set and cement conductor pipe through a competent surface formation. Generally, the conductor is set at 40 feet. In some cases, conductor may be set deeper in areas that the surface formation is not found competent. This rig also drills the rat and mouse holes in preparation for the surface casing and production string drilling operations.

The air rig is then mobilized to drill the surface casing hole by drilling a 12-1/4 inch hole to just above the Bird's Nest interval with an air hammer. The hammer is then tripped and replaced with a 12-1/4 inch tri-cone bit. The tri-cone bit is used to drill to the surface casing point, approximately 500 feet below the loss circulation zone (Bird's Nest). The 9-5/8 inch surface casing is then run and cemented in place, thereby isolating the lost circulation zone.

KMG fully appreciates Onshore Order 2 well control and safety requirements associated with a typical air drilling operations. However, the requirements of Onshore Order 2 are excessive with respect to the air rig layout and drilling operation procedures that are currently in practice to drill and control the surface casing hole in KMG Fields.

Variance for BOPE Requirements

The air rig operation utilizes a properly lubricated and maintained air bowl diverter system which diverts the drilling returns to a six-inch blooie line. The air bowl is the only piece of BOPE equipment which is installed during drilling operations and is sufficient to contain the air returns associated with this drilling operation. As was discussed earlier, the drilling of the surface hole does not encounter any over pressured or productive zones, and as a result standard BOPE equipment should not be required. In addition, standard drilling practices do not support the use of BOPE on 40 feet of conductor pipe.

Variance for Mud Material Requirements

Onshore Order 2 also states that sufficient quantities of mud materials shall be maintained or readily accessible for the purpose of assuring adequate well control. Once again, the surface hole drilling operations does not encounter over pressured or productive intervals, and as a result there is not a need to control pressure in the surface hole with a mud system. Instead of mud, the air rigs utilize water from the reserve pit for well control, if necessary. A skid pump which is located near the reserve pit (see attachment) will supply the water to the well bore.

Variance for Special Drilling Operation (surface equipment placement) Requirements

Onshore Order 2 requires specific safety distances or setbacks for the placement of associated standard air drilling equipment, wellbore, and reserve pits. The air rigs used to drill the surface holes are not typical of an air rig used to drill a producing hole in other parts of the US. These are smaller in nature and designed to fit a KMG location. The typical air rig layout for drilling surface hole in the field is attached.

Typically the blooie line discharge point is required to be 100 feet from the well bore. In the case of a KMG well, the reserve pit is only 45 feet from the rig and is used for the drill cuttings. The blooie line, which transports the drill cuttings from the well to the reserve pit, subsequently discharges only 45 feet from the well bore.

Typically the air rig compressors are required to be located in the opposite direction from the blooie line and a minimum of 100 feet from the well bore. At the KMG locations, the air rig compressors are approximately 40 feet from the well bore and approximately 60 feet from the blooie line discharge due to the unique air rig design. The air compressors (see attachment) are located on the rig (1250 cfm) and on a standby trailer (1170 cfm). A booster sits between the two compressors and boosts the output from 350 psi to 2000 psi. The design does put the booster and standby compressor opposite from the blooie line.

Lastly, Onshore Order 2 addresses the need for an automatic igniter or continuous pilot light on the blooie line. The air rig does not utilize an igniter as the surface hole drilling operation does not encounter productive formations.

Conclusion

The air rig operating procedures and the attached air rig layout have effectively maintained well control while drilling the surface holes in KMG Fields. KMG respectfully requests a variance from Onshore Order 2 with respect to air drilling well control requirements as discussed above.

10. Other Information:

Please refer to the attached Drilling Program.



KERR-McGEE OIL & GAS ONSHORE LP DRILLING PROGRAM

CASING PROGRAM

| | SIZE | INTERVAL | WT. | GR. | CPLG. | DESIGN FACTORS | | |
|------------|--------|------------|-------|------|-------|----------------|----------|---------|
| | | | | | | BURST | COLLAPSE | TENSION |
| CONDUCTOR | 14" | 0-40' | | | | | | |
| | | | | | | 3,520 | 2,020 | 453,000 |
| SURFACE | 9-5/8" | 0 to 1,970 | 36.00 | J-55 | LTC | 1.10 | 2.19 | 8.13 |
| | | | | | | 7,780 | 6,350 | 201,000 |
| PRODUCTION | 4-1/2" | 0 to 8,357 | 11.60 | I-80 | LTC | 2.46 | 1.28 | 2.38 |

1) Max Anticipated Surf. Press.(MASP) (Surface Casing) = (Pore Pressure at next csg point-(0.22 psi/ft-partial evac gradient x TVD of next csg point))

2) MASP (Prod Casing) = Pore Pressure at TD - (0.22 psi/ft-partial evac gradient x TD)
 (Burst Assumptions: TD = 11.6 ppg) 0.22 psi/ft = gradient for partially evac wellbore
 (Collapse Assumption: Fully Evacuated Casing, Max MW) (Tension Assumptions: Air Weight of Casing*Buoy.Fact. of water)
MASP 3,068 psi

3) Maximum Anticipated Bottom Hole Pressure (MABHP) = Pore Pressure at TD
 (Burst Assumptions: TD = 11.6 ppg) 0.59 psi/ft = bottomhole gradient
 (Collapse Assumption: Fully Evacuated Casing, Max MW) (Tension Assumptions: Air Weight of Casing*Buoy.Fact. of water)
MABHP 4,946 psi

CEMENT PROGRAM

| | | FT. OF FILL | DESCRIPTION | SACKS | EXCESS | WEIGHT | YIELD |
|---|----------------------|-------------|--|---------|--------|--------|-------|
| SURFACE | LEAD | 500' | Premium cmt + 2% CaCl + 0.25 pps flocele | 215 | 60% | 15.60 | 1.18 |
| Option 1 | TOP OUT CMT (6 jobs) | 1,200' | 20 gals sodium silicate + Premium cmt + 2% CaCl + 0.25 pps flocele Premium cmt + 2% CaCl | 380 | 0% | 15.60 | 1.18 |
| NOTE: If well will circulate water to surface, option 2 will be utilized | | | | | | | |
| SURFACE | LEAD | 1,470' | 65/35 Poz + 6% Gel + 10 pps gilsonite + 0.25 pps Flocele + 3% salt BWOW | 350 | 35% | 12.60 | 1.81 |
| Option 2 | TAIL | 500' | Premium cmt + 2% CaCl + 0.25 pps flocele | 180 | 35% | 15.60 | 1.18 |
| | TOP OUT CMT | as required | Premium cmt + 2% CaCl | as req. | | 15.60 | 1.18 |
| PRODUCTION | LEAD | 3,487' | Premium Lite II + 3% KCl + 0.25 pps celloflake + 5 pps gilsonite + 10% gel + 0.5% extender | 330 | 40% | 11.00 | 3.38 |
| | TAIL | 4,870' | 50/50 Poz/G + 10% salt + 2% gel + 0.1% R-3 | 1,190 | 40% | 14.30 | 1.31 |

*Substitute caliper hole volume plus 0% excess for LEAD if accurate caliper is obtained

*Substitute caliper hole volume plus 10% excess for TAIL if accurate caliper is obtained

FLOAT EQUIPMENT & CENTRALIZERS

| | |
|------------|--|
| SURFACE | Guide shoe, 1 jt, insert float. Centralize first 3 joints with bow spring centralizers. Thread lock guide shoe |
| PRODUCTION | Float shoe, 1 jt, float collar. No centralizers will be used. |

ADDITIONAL INFORMATION

Test casing head to 750 psi after installing. Test surface casing to 1,500 psi prior to drilling out.

BOPE: 11" 5M with one annular and 2 rams. The BOPE will be installed before the production hole is drilled and tested to 5,000 psi (annular to 2,500 psi) prior to drilling out the surface casing shoe. Record on chart recorder and tour sheet. Function test rams on each trip. Maintain safety valve and inside BOP on rig floor at all times. Most rigs have top drives; however, if used, the Kelly is to be equipped with upper and lower kelly valves.

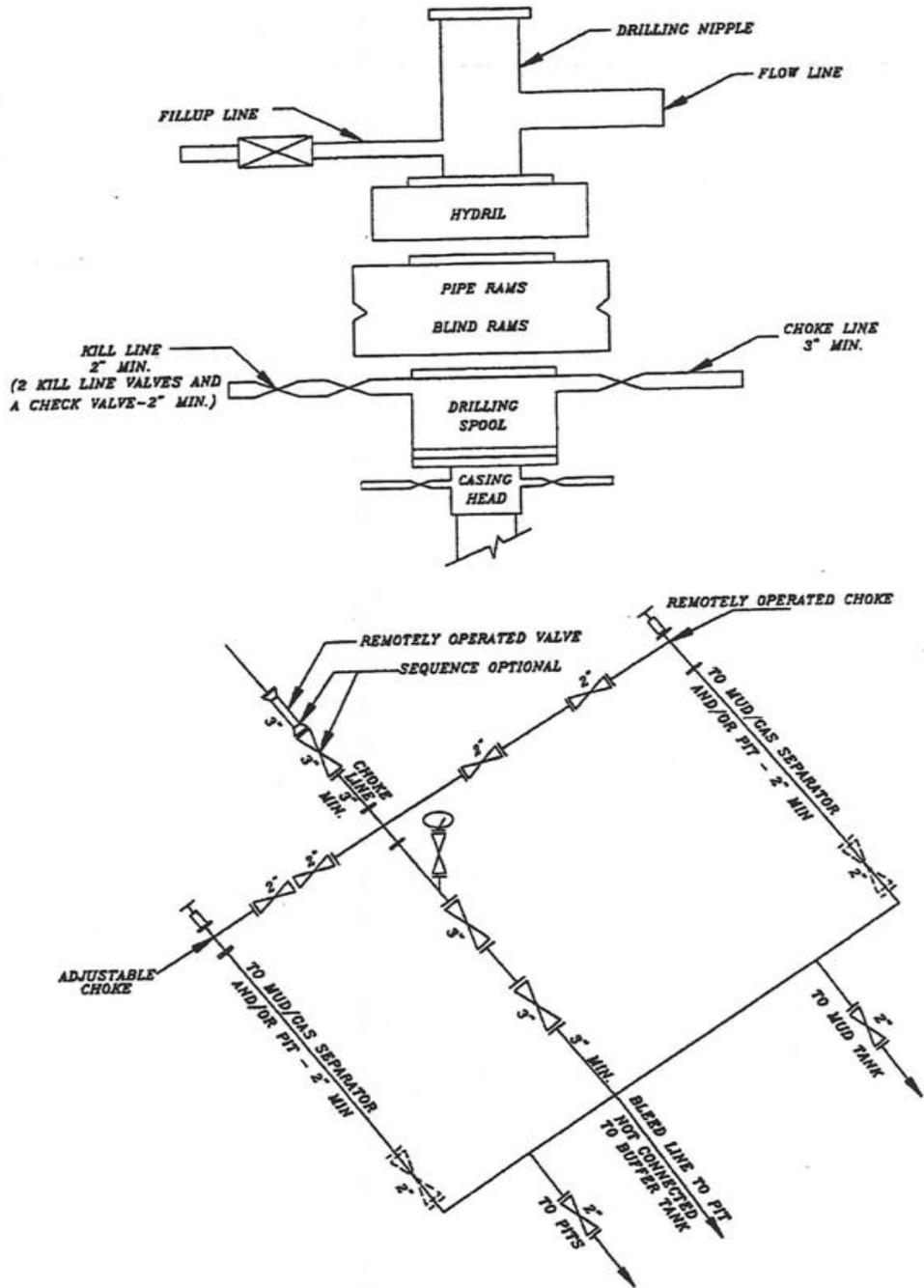
Surveys will be taken at 1,000' minimum intervals.

Most rigs have PVT System for mud monitoring. If no PVT is available, visual monitoring will be utilized.

DRILLING ENGINEER: _____ **DATE:** _____
 John Huycke / Emile Goodwin

DRILLING SUPERINTENDENT: _____ **DATE:** _____
 John Merkel / Lovel Young

EXHIBIT A Bonanza 1023-18L2S



SCHMATIC DIAGRAM OF 5,000 PSI BOP STACK

Kerr-McGee Oil & Gas Onshore LP

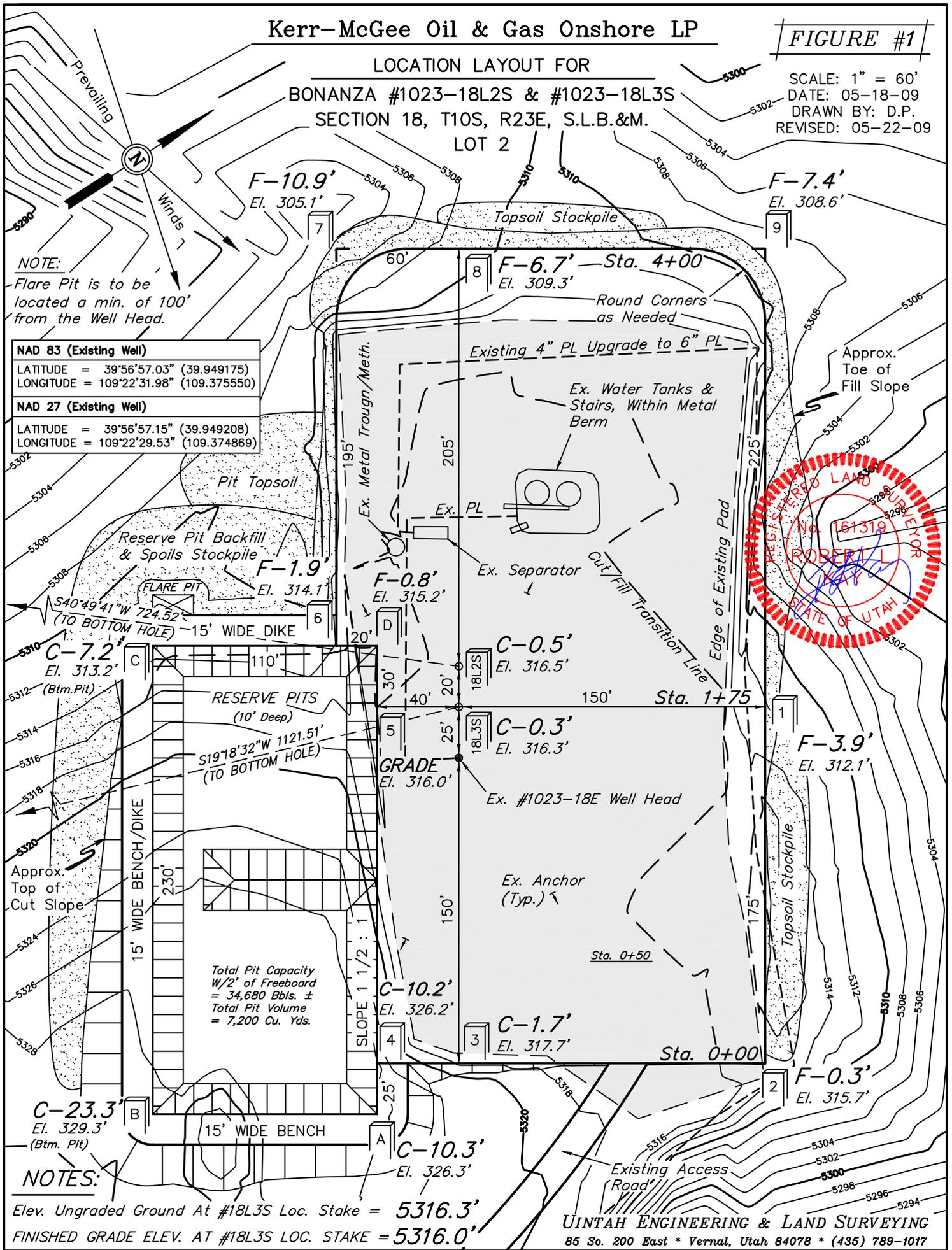
FIGURE #1

LOCATION LAYOUT FOR
 BONANZA #1023-18L2S & #1023-18L3S
 SECTION 18, T10S, R23E, S.L.B.&M.
 LOT 2

SCALE: 1" = 60'
 DATE: 05-18-09
 DRAWN BY: D.P.
 REVISED: 05-22-09

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

| | |
|-------------------------------|------------------------------|
| NAD 83 (Existing Well) | |
| LATITUDE | = 39°56'57.03" (39.949175) |
| LONGITUDE | = 109°22'31.98" (109.375550) |
| NAD 27 (Existing Well) | |
| LATITUDE | = 39°56'57.15" (39.949208) |
| LONGITUDE | = 109°22'29.53" (109.374869) |



NOTES:
 Elev. Ungraded Ground At #18L3S Loc. Stake = 5316.3'
 FINISHED GRADE ELEV. AT #18L3S LOC. STAKE = 5316.0'

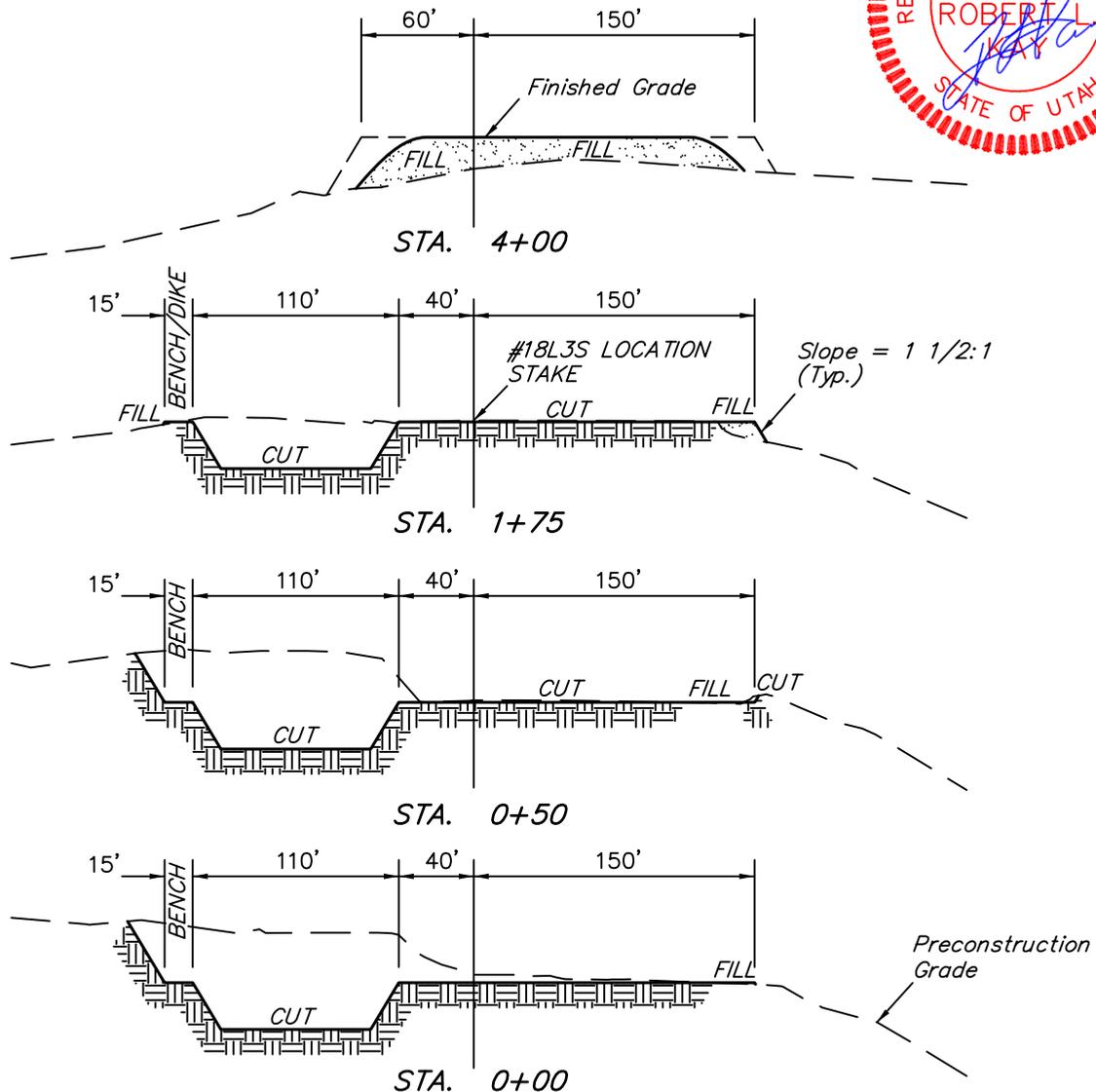
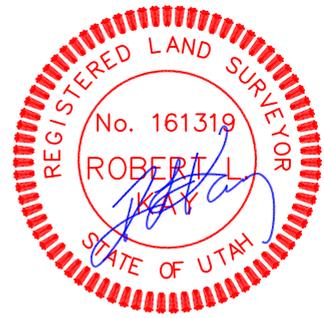
Kerr-McGee Oil & Gas Onshore LP

FIGURE #2

TYPICAL CROSS SECTIONS FOR BONANZA #1023-18L2S & #1023-18L3S SECTION 18, T10S, R23E, S.L.B.&M. LOT 2

X-Section
Scale
1" = 100'

DATE: 05-18-09
DRAWN BY: D.P.



APPROXIMATE ACREAGES

EXISTING WELL SITE DISTURBANCE = ± 1.499 ACRES
NEW CONSTRUCTION WELL SITE DISTURBANCE = ± 1.750 ACRES
TOTAL = ± 3.249 ACRES

* NOTE:
FILL QUANTITY INCLUDES
5% FOR COMPACTION

APPROXIMATE YARDAGES

CUT
(6") Topsoil Stripping = 2,460 Cu. Yds.
Remaining Location = 16,560 Cu. Yds.

TOTAL CUT = 19,020 CU.YDS.
FILL = 4,590 CU.YDS.

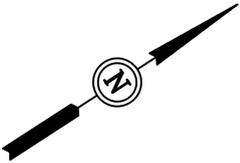
EXCESS MATERIAL = 14,430 Cu. Yds.
Topsoil & Pit Backfill = 6,060 Cu. Yds.
(1/2 Pit Vol.)
EXCESS UNBALANCE = 8,370 Cu. Yds.
(After Interim Rehabilitation)

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

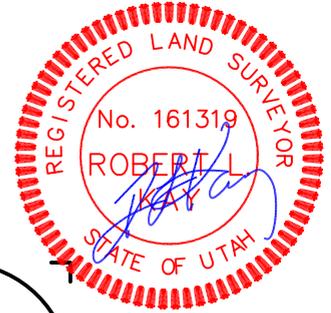
Kerr-McGee Oil & Gas Onshore LP

FIGURE #3

TYPICAL RIG LAYOUT FOR
BONANZA #1023-18L2S & #1023-18L3S
SECTION 18, T10S, R23E, S.L.B.&M.
LOT 2

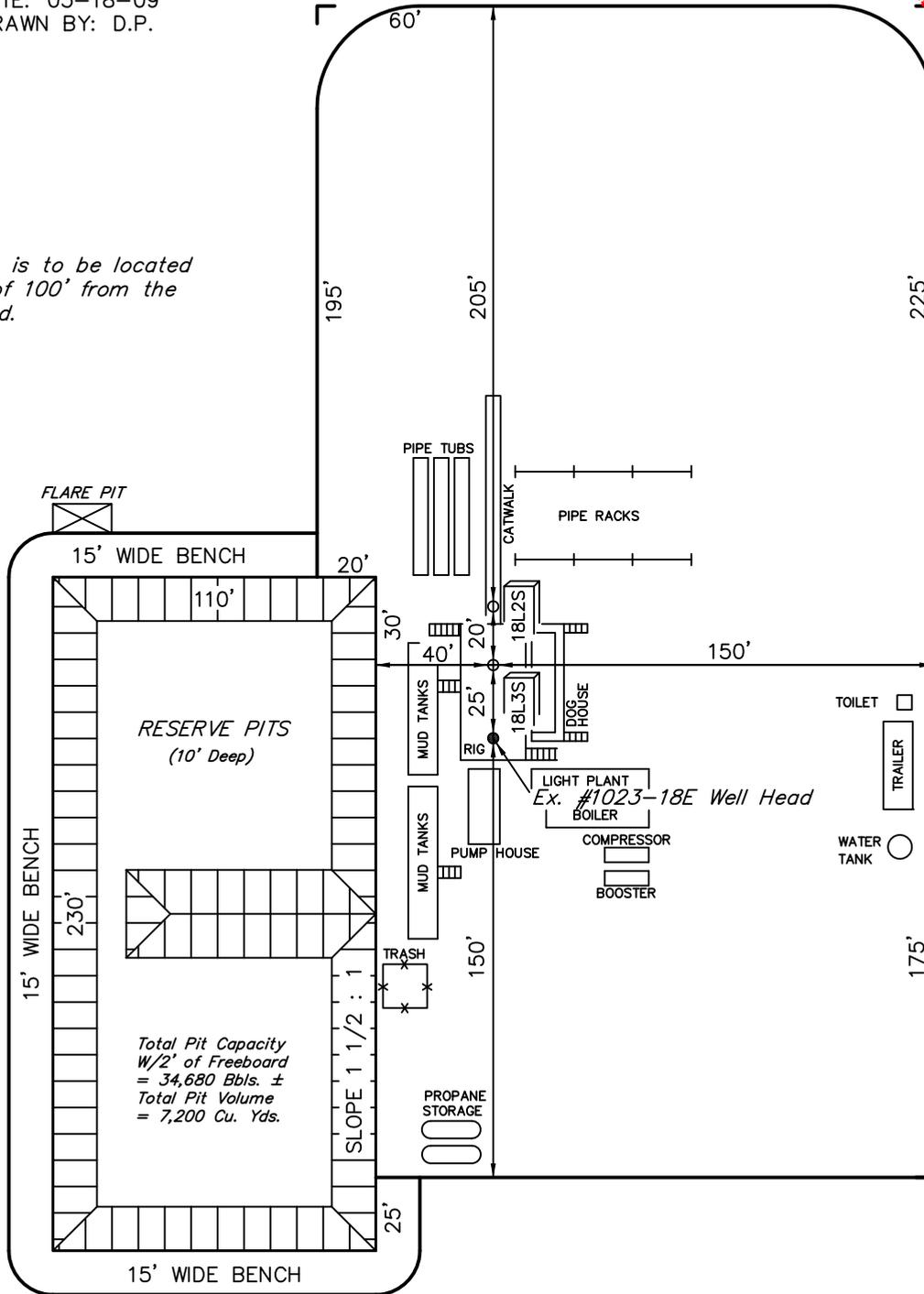


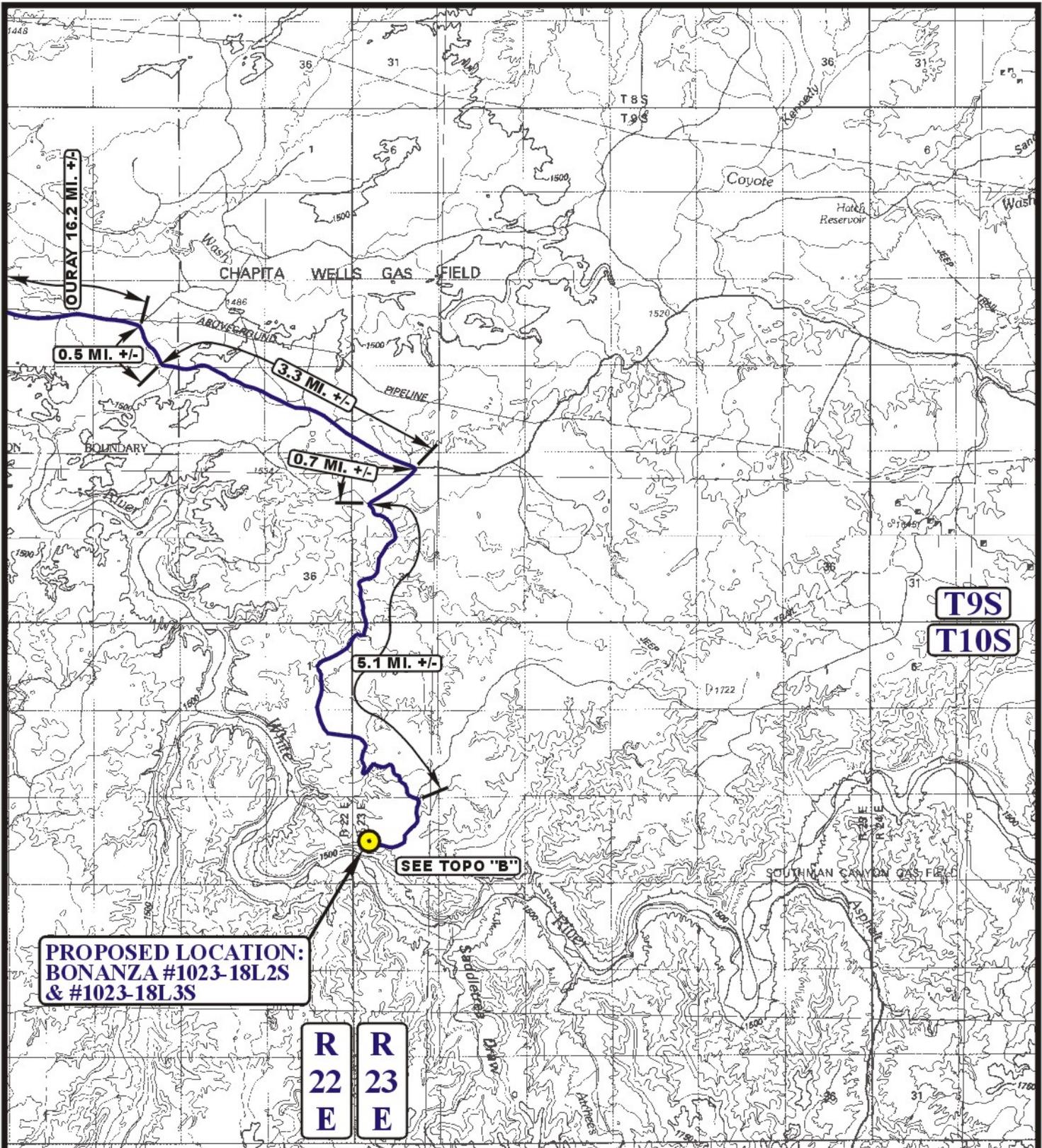
SCALE: 1" = 60'
DATE: 05-18-09
DRAWN BY: D.P.



NOTE:

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





**PROPOSED LOCATION:
BONANZA #1023-18L2S
& #1023-18L3S**

**R 22 E
R 23 E**

**T9S
T10S**

LEGEND:

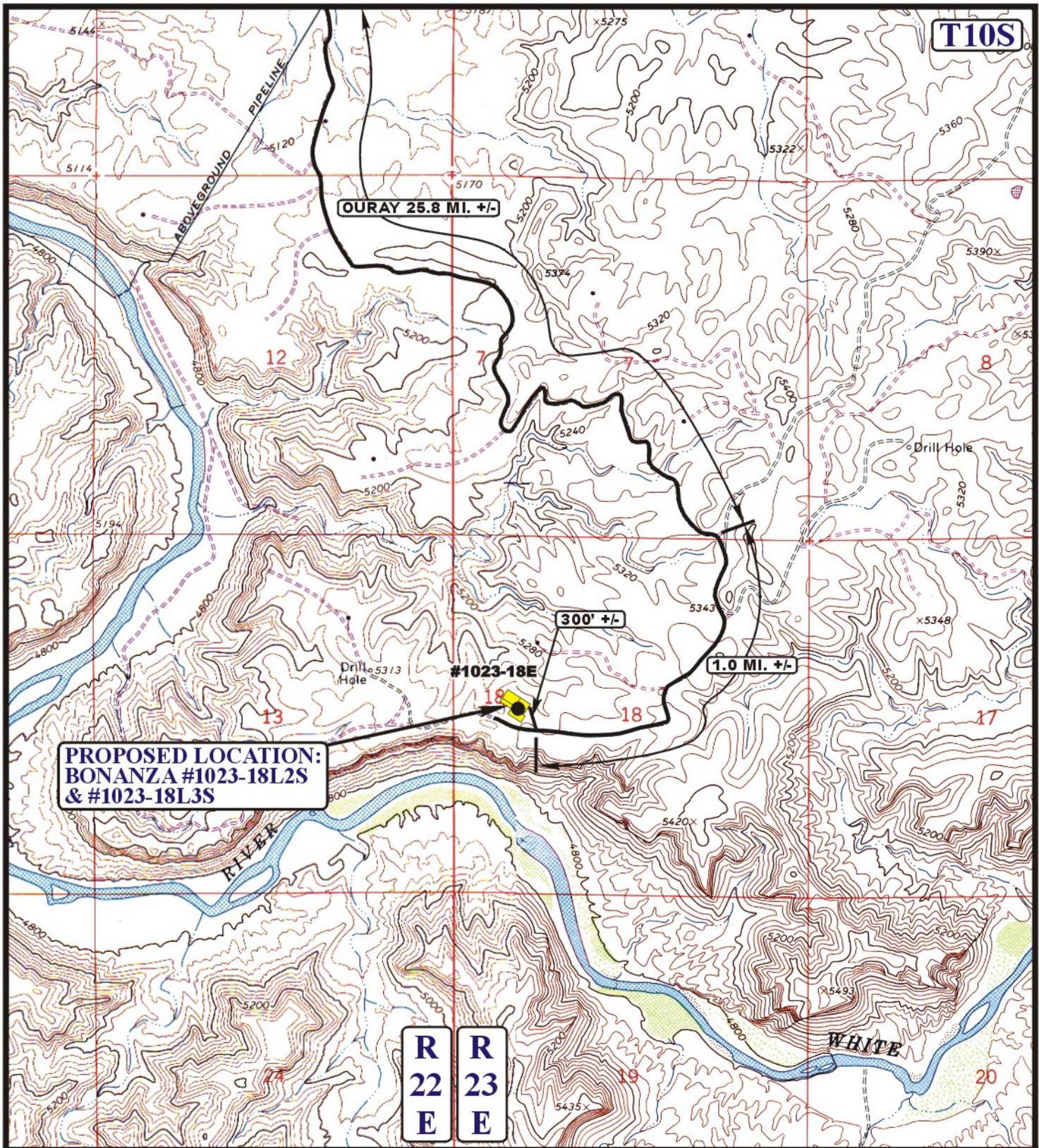
PROPOSED LOCATION

**Kerr-McGee Oil & Gas Onshore LP
BONANZA #1023-18L2S & #1023-18L3S
SECTION 18, T10S, R23E, S.L.B.&M.
LOT 2**

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



TOPOGRAPHIC MAP 05 19 09
MONTH DAY YEAR
SCALE: 1:100,000 DRAWN BY: D.P. REVISED: 00-00-00 **TOPO**



**PROPOSED LOCATION:
BONANZA #1023-18L2S
& #1023-18L3S**

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

LEGEND:

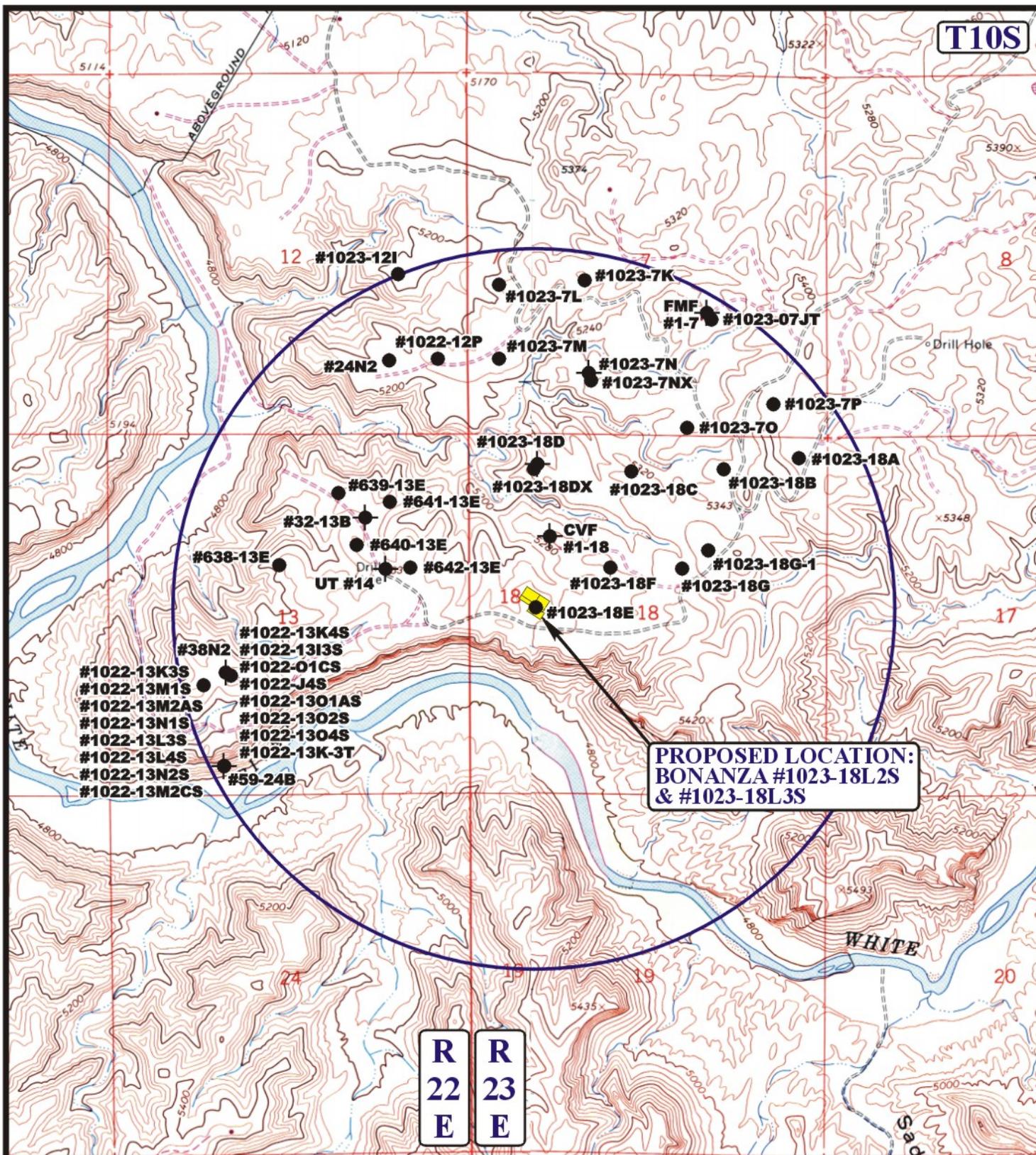
————— EXISTING ROAD



**Kerr-McGee Oil & Gas Onshore LP
BONANZA #1023-18L2S & #1023-18L3S
SECTION 18, T10S, R23E, S.L.B.&M.
LOT 2**

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

TOPOGRAPHIC **05 19 09**
MAP MONTH DAY YEAR
SCALE: 1" = 2000' DRAWN BY: D.P. REVISED: 00-00-00 **B TOPO**



LEGEND:

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

Kerr-McGee Oil & Gas Onshore LP

BONANZA #1023-18L2S & #1023-18L3S
SECTION 18, T10S, R23E, S.L.B.&M.
LOT 2



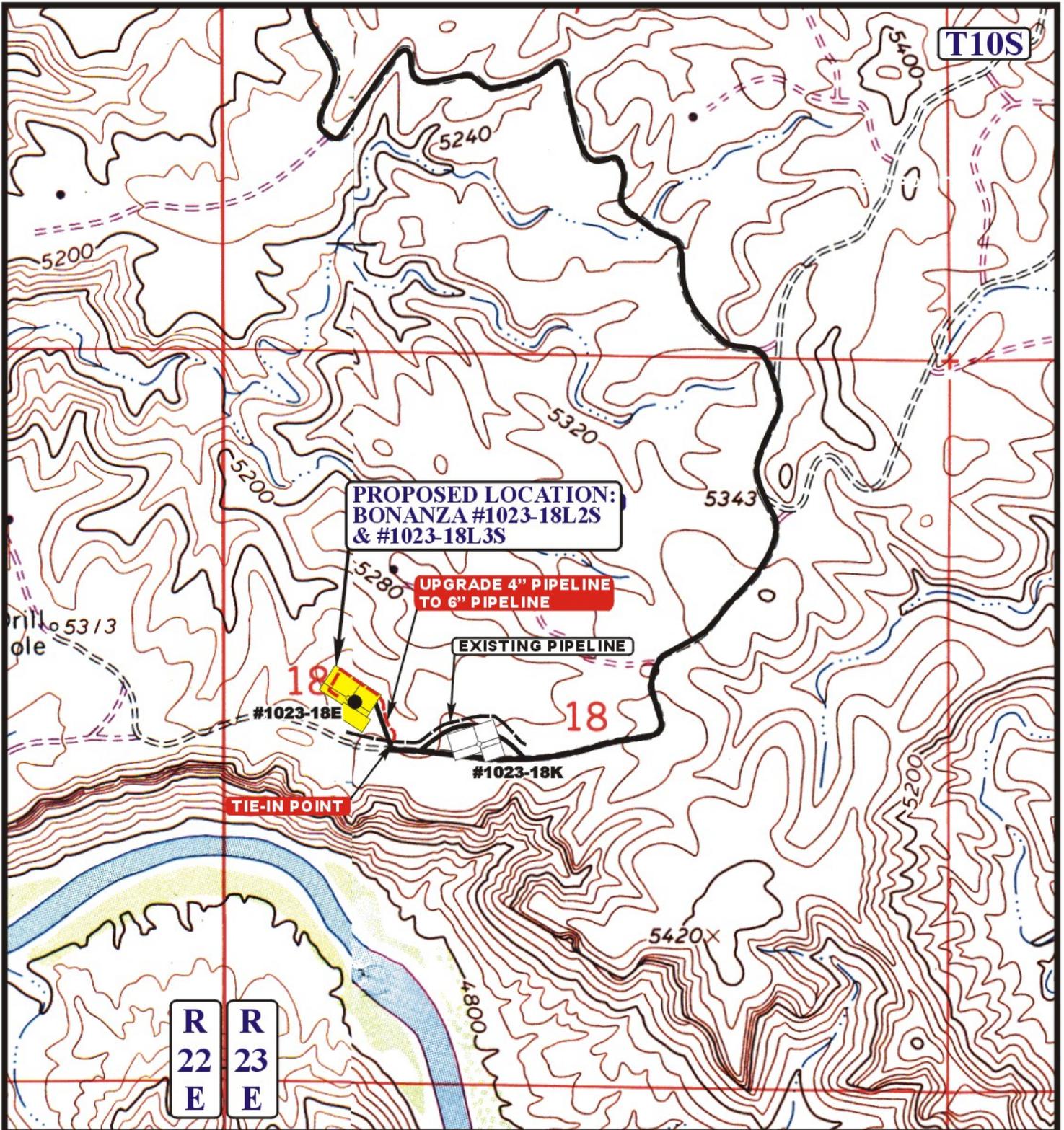
Utah Engineering & Land Surveying
 85 South 200 East Vernal, Utah 84078
 (435) 789-1017 * FAX (435) 789-1813



TOPOGRAPHIC **05 19 09**
MAP MONTH DAY YEAR

SCALE: 1" = 2000' DRAWN BY: D.P. REVISED: 00-00-00





APPROXIMATE TOTAL 4" TO 6" PIPELINE DISTANCE = 960' +/-

LEGEND:

-  EXISTING PIPELINE
-  UPGRADE 4" PIPELINE TO 6" PIPELINE

Kerr-McGee Oil & Gas Onshore LP

BONANZA #1023-18L2S & #1023-18L3S

SECTION 18, T10S, R23E, S.L.B.&M.

LOT 2

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



TOPOGRAPHIC 05 19 09
MAP MONTH DAY YEAR

SCALE: 1" = 1000' DRAWN BY: D.P. REVISED: 00-00-00

D
TOPO

Kerr-McGee Oil & Gas Onshore LP

BONANZA #1023-18L2S & #1023-18L3S

LOCATED IN UINTAH COUNTY, UTAH
SECTION 18, T10S, R23E, S.L.B.&M.

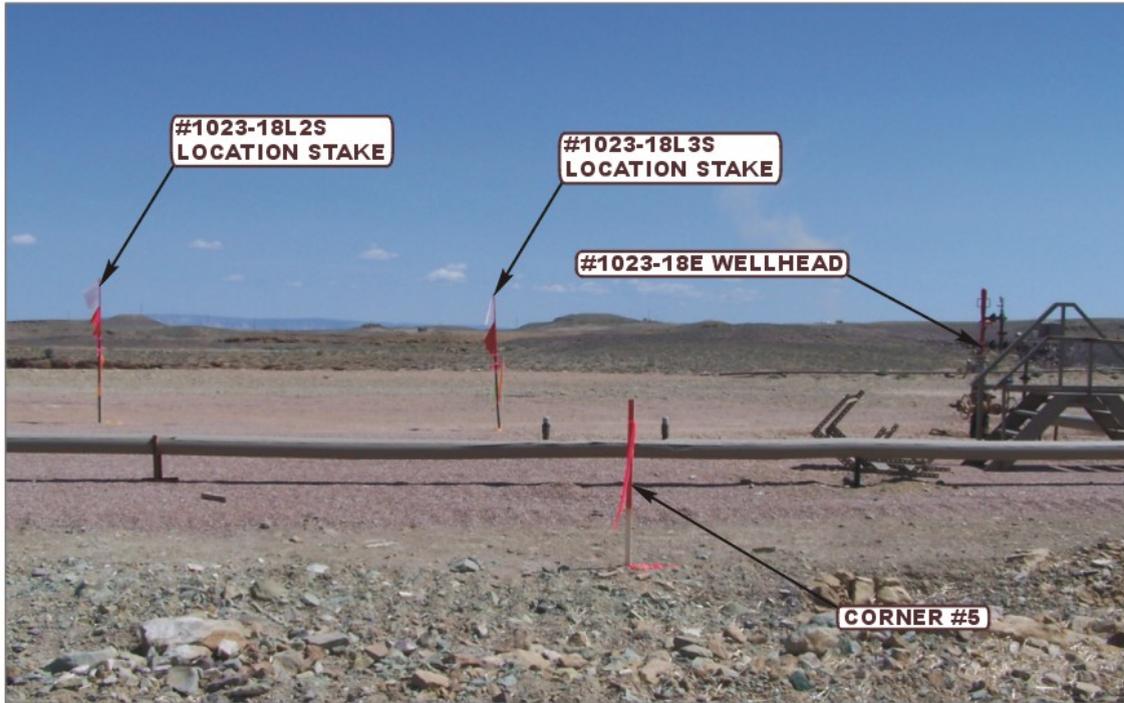


PHOTO: VIEW FROM CORNER #5 TO LOCATION STAKE

CAMERA ANGLE: NORTHEASTERLY



PHOTO: VIEW OF EXISTING ACCESS

CAMERA ANGLE: NORTHWESTERLY



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

- Since 1964 -

| | | | | |
|------------------------|----------------|-----------|-------------------|--------------|
| LOCATION PHOTOS | 05 | 19 | 09 | PHOTO |
| | MONTH | DAY | YEAR | |
| TAKEN BY: D.K. | DRAWN BY: D.P. | | REVISED: 00-00-00 | |

Kerr-McGee Oil & Gas Onshore LP
BONANZA #1023-18L2S & #1023-18L3S
PIPELINE ALIGNMENT
LOCATED IN UINTAH COUNTY, UTAH
SECTION 18, T10S, R23E, S.L.B.&M.



PHOTO: VIEW OF TIE-IN POINT

CAMERA ANGLE: NORTHERLY



- Since 1964 -

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

| | | | | |
|------------------------|----------------|-----------|-------------------|--------------|
| PIPELINE PHOTOS | 05 | 19 | 09 | PHOTO |
| | MONTH | DAY | YEAR | |
| TAKEN BY: D.K. | DRAWN BY: D.P. | | REVISED: 00-00-00 | |

**Kerr-McGee Oil & Gas Onshore LP
BONANZA #1023-18L2S & #1023-18L3S
SECTION 18, T10S, R23E, 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 3.3 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTHWEST; TURN RIGHT AND PROCEED IN A SOUTHWESTERLY DIRECTION APPROXIMATELY 0.7 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTH; TURN LEFT AND PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 5.1 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTH; PROCEED IN A SOUTHERLY, THEN SOUTHWESTERLY DIRECTION APPROXIMATELY 1.0 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTHWEST; TURN RIGHT AND PROCEED IN A NORTHWESTERLY DIRECTION APPROXIMATELY 300' TO THE PROPOSED LOCATION.

TOTAL DISTANCE FROM VERNAL, UTAH TO THE PROPOSED WELL LOCATION IS APPROXIMATELY 57.8 MILES.

Bonanza 1023-18L2S

Surface: 2,535' FNL, 898' FWL (SW/4NW/4) Lot 2
BHL: 2,220' FSL 425' FWL (NW/4SW/4) Lot 3

Bonanza 1023-18L3S

Surface: 2,546' FNL, 915' FWL (SW/4NW/4) Lot 2
BHL: 1,700' FSL 545' FWL (NW/4SW/4) Lot 3

Pad: Bonanza 1023-18E
Sec. 18 T10S R23E

Uintah, Utah
Mineral Lease: UTU 38421

ONSHORE ORDER NO. 1

***MULTI-POINT SURFACE USE & OPERATIONS PLAN
SUBMITTED WITH SITE-SPECIFIC INFORMATION***

This Application for Permit to Drill (APD) is filed under the Notice of Staking (NOS) process as stated in Onshore Order No. 1 (OSO #1) and supporting Bureau of Land Management (BLM) documents. An NOS was submitted showing the surface locations in Section 18 T10S R23E. At the time the NOS was submitted, the Bonanza 1023-18L2S was known as the Bonanza 1023-L1S and the Bonanza 1023-18L3S was known as the Bonanza 1023-18L4S.

This Surface Use Plan of Operations (SUPO) or 13-point plan provides the site-specific information for the above-referenced wells. This information is to be incorporated by reference into the Master Development Plan (MDP) for Kerr-McGee Oil & Gas Onshore LP (Kerr-McGee). The MDP is available upon request from the BLM-Vernal Field Office.

An on-site meeting was held on February 3, 2009. Present were:

- Verlyn Pindell, Dave Gordon, Scott Ackerman, Karl Wright – BLM;
- David Kay – Uintah Engineering & Land Surveying;
- Kolby Kay – 609 Consulting, LLC
- Tony Kazeck, Clay Einerson, Raleen White, Ramey Hoopes, Grizz Oleen, Charles Chase and Spencer Biddle – Kerr-McGee.

Directional Drilling:

In accordance with Utah Oil & Gas Conservation Rule R649-3-11 pertaining to Directional Drilling, this well will be directionally drilled in order to access portions of our lease which are otherwise inaccessible due to topography.

1. Existing Roads:

- A) Refer to Topo Map A for directions to the location.
- B) Refer to Topo Maps A and B for location of access roads within a 2-mile radius.

2. Planned Access Roads:

See MDP for additional details on road construction.

No new access road is proposed. Please refer to the attached Topo Map B. No pipelines will be crossed with the new construction.

Existence of pipelines; maximum grade; turnouts; major cut and fills, culverts, or bridges; gates, cattle guards, fence cuts, or modifications to existing facilities were determined at the on-site and are typically shown on the attached Exhibits and Topo maps.

3. Location of Existing Wells Within a 1-Mile Radius:

Please refer to Topo Map C.

4. Location of Existing and Proposed Facilities:

See MDP for additional details on Existing and Proposed Facilities.

KMG will construct a second pit during completion operations due to the volume of fluids used with a 4-well frac. The pit will be lined and fenced per BLM requirements. KMG is also requesting the pit stay open for 1 year to utilize for additional 4 well completions in the area. If determined that the pit is not needed within the 1 year; the fluids will be removed and pit reclaimed.

The following guidelines will apply if the well is productive.

Approximately ±960' of pipeline will be upgraded from 4" to 6". Refer to Topo D for the existing and proposed pipeline. Pipeline segments will be welded or zaplocked together on disturbed areas in or near the location, whenever possible, and dragged into place

5. Location and Type of Water Supply:

See MDP for additional details on Location and Type of Water Supply.

Water for drilling purposes will be obtained from Dalbo Inc.'s underground well located in Ouray, Utah, Sec. 32 T4S R3E, Water User Claim number 43-8496, Application number 53617. Water will be hauled to location over the roads marked on Maps A and B.

No water well is to be drilled on this lease.

6. Source of Construction Materials:

See MDP for additional details on Source of Construction Materials.

7. Methods of Handling Waste Materials:

See MDP for additional details on Methods of Handling Waste Materials.

Any produced water from the proposed well will be contained in a water tank and will then be hauled by truck to one of the pre-approved disposal sites:

RNI in Sec. 5 T9S R22E
NBU #159 in Sec. 35 T9S R21E
Ace Oilfield in Sec. 2 T6S R20E
MC&MC in Sec. 12 T6S R19E
Pipeline Facility in Sec. 36 T9S R20E
Goat Pasture Evaporation Pond in SW/4 Sec. 16 T10S R22E
Bonanza Evaporation Pond in Sec. 2 T10S R23E

8. Ancillary Facilities:

See MDP for additional details on Ancillary Facilities.

None are anticipated.

9. Well Site Layout: (See Location Layout Diagram)

See MDP for additional details on Well Site Layout.

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

- Net wire (39-inch) will be used with at least one strand of barbed wire on top of the net wire. Barbed wire is not necessary if pipe or some type of reinforcement rod is attached to the top of the entire fence.
- The net wire shall be no more than two inches above the ground. The barbed wire shall be three inches over the net wire. Total height of the fence shall be at least 42 inches.
- Corner posts shall be cemented and/or braced in such a manner to keep the fence tight at all times.
- Standard steel, wood, or pipe posts shall be used between the corner braces. Maximum distance between any 2 fence posts shall be no greater than 16 feet.
- All wire shall be stretched, by using a stretching device, before it is attached to corner posts.

10. Plans for Reclamation of the Surface:

See MDP for additional details on Plans for Reclamation of the Surface.

11. Surface/Mineral Ownership:

United States of America
Bureau of Land Management
170 South 500 East
Vernal, UT 84078
(435)781-4400

12. Other Information:

See MDP for additional details on Other Information.

13. Lessee's or Operators' Representative & Certification:

Kathy Schneebeck Dulnoan
Regulatory Analyst
Kerr-McGee Oil & Gas Onshore LP
PO Box 173779
Denver, CO 80217-3779
(720) 929-6007

Tommy Thompson
General Manager, Drilling
Kerr-McGee Oil & Gas Onshore LP
PO Box 173779
Denver, CO 80217-3779
(720-929-6724

Certification: 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 will be 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.

Kerr-McGee Oil & Gas Onshore LP is considered to be the operator of the subject well. Kerr-McGee Oil & Gas Onshore LP agrees to be responsible under terms and conditions of the lease for the operations conducted upon leased lands.

Bond coverage pursuant to 43 CFR 3104 for lease activities is being provided by Bureau of Land Management Nationwide Bond WYB000291.

I hereby certify that I, or persons under my supervision, have inspected the proposed drill site and access route, that I am familiar with the conditions that currently exist; that I have full knowledge of the State and Federal laws applicable to this operation; that the statements made in this plan are, to the best of my knowledge, true and correct; and the work associated with the operations proposed herein will be performed in conformity with this APD package and the terms and conditions under which it is approved. I also certify that I, or the company I represent, am responsible for operations conducted under this application. These statements are subject to the provisions of 18 U.S.C. 1001 for the filing of false statements.



Kathy Schneebeck Dulnoan

June 29, 2009

Date

CULTURAL RESOURCE INVENTORY OF
KERR-MCGEE OIL & GAS ONSHORE LP'S PROPOSED
BONANZA 1023-18L2S AND BONANZA 1023-18L3S
WELL LOCATIONS (T10S, R23E, SECTION 18)
UINTAH COUNTY, UTAH

By:

Nicole Shelnut

Prepared For:

Bureau of Land Management
Vernal Field Office

Prepared Under Contract With:

Kerr-McGee Oil & Gas Onshore LP
1368 South 1200 East
Vernal, Utah 84078

Prepared By:

Montgomery Archaeological Consultants, Inc.
P.O. Box 219
Moab, Utah 84532

MOAC Report No. 09-085

June 5, 2009

United States Department of Interior (FLPMA)
Permit No. 09-UT-60122

State of Utah Antiquities Project (Survey)
Permit No. U-09-MQ-0322b

IPC #09-107

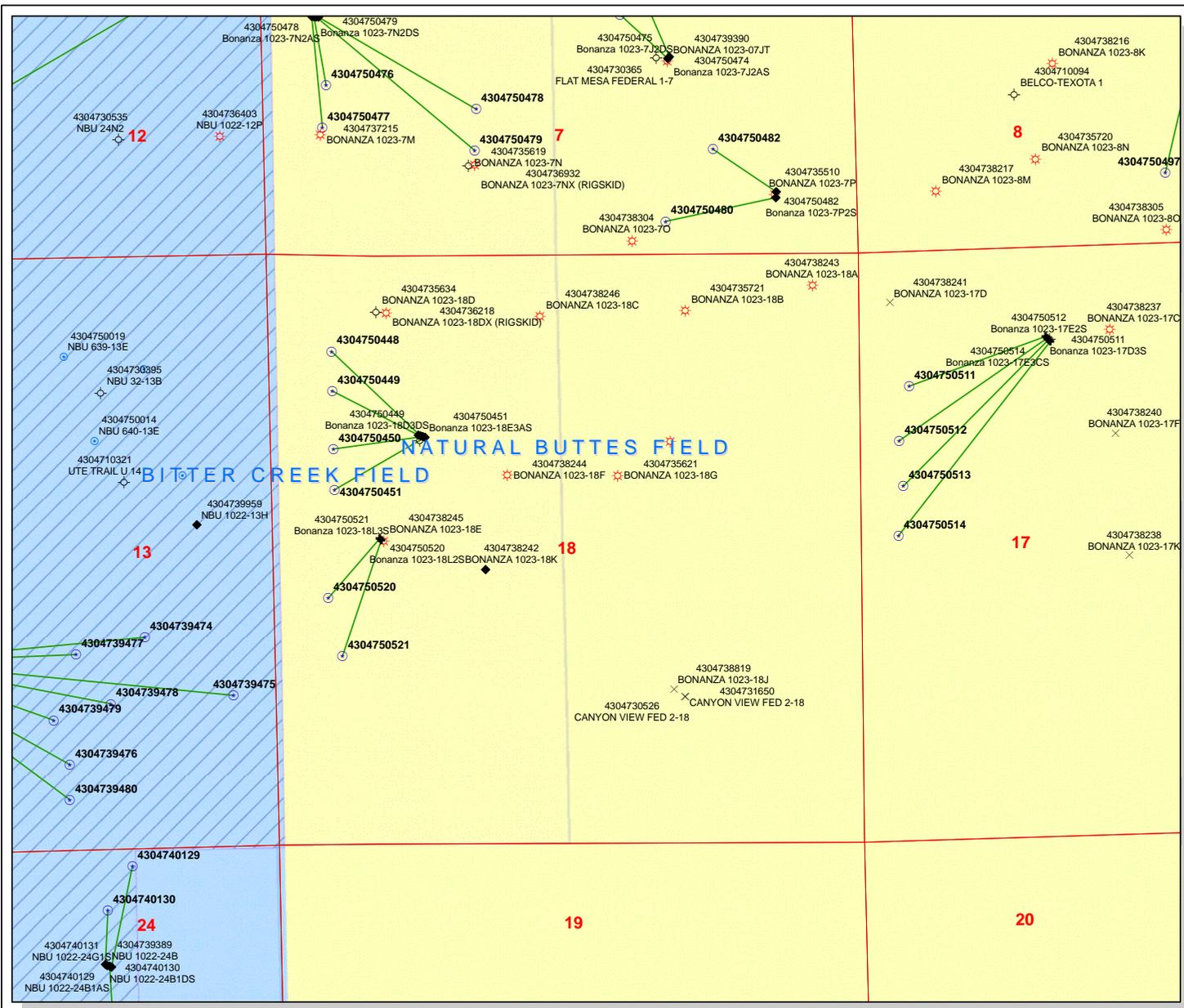
Paleontological Reconnaissance Survey Report

**Survey of Kerr McGee's Proposed Well Pads, Access Road, Pipeline
& Pipeline Upgrade for "NBU #1022-11M, K3AS, M1BS, L2BS
& L3BS" (Sec. 11, T 10 S, R 22 E) & "Bonanza #1023-18L2S
& L3S" (Sec. 18, T 10 S, R 23 E)**

**Archy Bench & Asphalt Wash
Topographic Quadrangles
Uintah County, Utah**

June 4, 2009

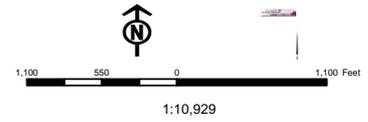
Prepared by Stephen D. Sandau
Paleontologist for
Intermountain Paleo-Consulting
P. O. Box 1125
Vernal, Utah 84078



API Number: 4304750520
Well Name: Bonanza 1023-18L2S
Township 10.0 S Range 23.0 E Section 18
Meridian: SLBM
 Operator: KERR-MCGEE OIL & GAS ONSHORE, L.P.

Map Prepared:
 Map Produced by Diana Mason

| | |
|---------------|---------------------------|
| Units | Wells Query Events |
| STATUS | GIS_STAT_TYPE |
| ACTIVE | <Null> |
| EXPLORATORY | APD |
| GAS STORAGE | DRL |
| NF PP OIL | GI |
| NF SECONDARY | GS |
| PI OIL | LA |
| PP GAS | NEW |
| PP GEOTHERM | OPS |
| PP OIL | PA |
| SECONDARY | PGW |
| TERMINATED | POW |
| Fields | RET |
| ACTIVE | SGW |
| COMBINED | SOW |
| Sections | TA |
| | TW |
| | WD |
| | WI |
| | WS |



WORKSHEET APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 6/29/2009

API NO. ASSIGNED: 43047505200000

WELL NAME: Bonanza 1023-18L2S

OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P. (N2995)

PHONE NUMBER: 720 929-6156

CONTACT: Danielle Piernot

PROPOSED LOCATION: SWNW 18 100S 230E

Permit Tech Review:

SURFACE: 2535 FNL 0898 FWL

Engineering Review:

BOTTOM: 2220 FSL 0425 FWL

Geology Review:

COUNTY: UINTAH

LATITUDE: 39.94924

LONGITUDE: -109.37501

UTM SURF EASTINGS: 638818.00

NORTHINGS: 4423177.00

FIELD NAME: NATURAL BUTTES

LEASE TYPE: 1 - Federal

LEASE NUMBER: UTU 38421

PROPOSED PRODUCING FORMATION(S): WASATCH-MESA VERDE

SURFACE OWNER: 1 - Federal

COALBED METHANE: NO

RECEIVED AND/OR REVIEWED:

- PLAT
- Bond: FEDERAL - WYB000291
- Potash
- Oil Shale 190-5
- Oil Shale 190-3
- Oil Shale 190-13
- Water Permit: Permit #43-8496
- RDCC Review:
- Fee Surface Agreement
- Intent to Commingle

Commingle Approved

LOCATION AND SITING:

- R649-2-3.
- Unit:
- R649-3-2. General
- R649-3-3. Exception
- Drilling Unit
- Board Cause No: Cause 179-14
- Effective Date: 6/12/2008
- Siting: 460' fr ext. drilling unit boundary
- R649-3-11. Directional Drill

Comments: Presite Completed

Stipulations: 3 - Commingle - ddoucet
4 - Federal Approval - dmason
15 - Directional - dmason



JON M. HUNTSMAN, JR.
Governor

GARY R. HERBERT
Lieutenant Governor

State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

Permit To Drill

Well Name: Bonanza 1023-18L2S
API Well Number: 43047505200000
Lease Number: UTU 38421
Surface Owner: FEDERAL
Approval Date: 7/16/2009

Issued to:

KERR-MCGEE OIL & GAS ONSHORE, L.P., P.O. Box 173779, Denver, CO 80217

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 179-14. The expected producing formation or pool is the WASATCH-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

Commingle:

In accordance with Board Cause No. 179-14 commingling of the production from the Wasatch formation and the Mesaverde formation in this well is allowed.

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.

Notification Requirements:

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

- Within 24 hours following the spudding of the well – contact Carol Daniels at 801-538-5284

(please leave a voicemail message if not available)

OR

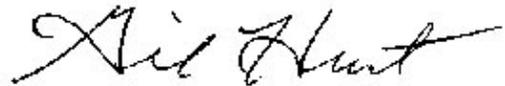
submit an electronic sundry notice (pre-registration required) via the Utah Oil & Gas website at <http://oilgas.ogm.utah.gov>

Reporting Requirements:

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

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

Approved By:

A handwritten signature in black ink, appearing to read "Gil Hunt", with a long, sweeping horizontal stroke extending to the right.

Gil Hunt
Associate Director, Oil & Gas

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

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

JUN 29 2009

APPLICATION FOR PERMIT TO DRILL OR REENTER **BLM**

| | | |
|---|---|--|
| 1a. Type of Work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER | | 5. Lease Serial No. UTU38421 |
| 1b. Type of Well: <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other <input type="checkbox"/> Single Zone <input checked="" type="checkbox"/> Multiple Zone | | 6. If Indian, Allottee or Tribe Name |
| 2. Name of Operator KERRMCGEE OIL&GAS ONSHORE LP Contact: DANIELLE E PIERNOT Email: Danielle.Piernot@anadarko.com | | 7. If Unit or CA Agreement, Name and No. |
| 3a. Address PO BOX 173779 DENVER, CO 80202-3779 | 3b. Phone No. (include area code) Ph: 720-929-6156 Fx: 720-929-7156 | 8. Lease Name and Well No. BONANZA 1023-18L2S |
| 4. Location of Well (Report location clearly and in accordance with any State requirements.)* At surface SWNW Lot 2 2535FNL 898FWL 39.94924 N Lat, 109.37569 W Lon At proposed prod. zone NWSW Lot 3 2220FSL 425FWL 39.94774 N Lat, 109.37738 W Lon | | 9. API Well No. 43-047-50520 |
| 14. Distance in miles and direction from nearest town or post office* APPROXIMATELY 27 MILES SOUTHEAST OF OURAY, UTAH | | 10. Field and Pool, or Exploratory NATURAL BUTTES |
| 15. Distance from proposed location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) 425 FEET | 16. No. of Acres in Lease 637.40 | 11. Sec., T., R., M., or Blk. and Survey or Area Sec 18 T10S R23E Mer SLB |
| 18. Distance from proposed location to nearest well, drilling, completed, applied for, on this lease, ft. APPROXIMATELY 535 FEET | 19. Proposed Depth 8357 MD 8250 TVD | 12. County or Parish UINTAH |
| 21. Elevations (Show whether DF, KB, RT, GL, etc.) 5316 GL | 22. Approximate date work will start 07/14/2009 | 13. State UT |
| 23. Estimated duration 60-90 DAYS | | 17. Spacing Unit dedicated to this well 320.00 |
| 20. BLM/BIA Bond No. on file WYB000291 | | |

24. Attachments

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

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

| | | |
|--|---|--------------------|
| 25. Signature (Electronic Submission) | Name (Printed/Typed) DANIELLE E PIERNOT Ph: 720-929-6156 | Date 06/29/2009 |
|--|---|--------------------|

Title
REGULATORY ANALYST

| | | |
|---|--|-----------------|
| Approved by (Signature) <i>Stephanie J Howard</i> | Name (Printed/Typed) Stephanie J Howard | Date 12/3/09 |
| Title Assistant Field Manager Lands & Mineral Resources | Office VERNAL FIELD OFFICE | |

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

CONDITIONS OF APPROVAL ATTACHED

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

Additional Operator Remarks (see next page)

NOS app posted 7/2/09
AFMSS# _____

Electronic Submission #71489 verified by the BLM Well Information System
For KERRMCGEE OIL&GAS ONSHORE LP, sent to the Vernal
Committed to AFMSS for processing by GALEY KINGS on 07/01/2009 ()

NOTICE OF APPROVAL

RECEIVED

DEC 07 2009

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

096XJ5103 AE

ROOM



UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
VERNAL FIELD OFFICE

170 South 500 East

VERNAL, UT 84078

(435) 781-4400



CONDITIONS OF APPROVAL FOR APPLICATION FOR PERMIT TO DRILL

Company: Kerr McGee Oil & Gas Onshore
Well No: Bonanza 1023-18L2S
API No: 43-047-50520

Location: Lot #2, Sec. 18, T10S, R23E
Lease No: UTU-38421
Agreement: N/A

OFFICE NUMBER: (435) 781-4400

OFFICE FAX NUMBER: (435) 781-3420

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

All lease and/or unit operations are to be conducted in such a manner that full compliance is made with the applicable laws, regulations (43 CFR Part 3160), and this approved Application for Permit to Drill including Surface and Downhole Conditions of Approval. The operator is considered fully responsible for the actions of his subcontractors. A copy of the approved APD must be on location during construction, drilling, and completion operations. **This permit was processed using a 390 CX tied to NEPA approved 2/5/2007. Therefore, this permit is approved for a two (2) year period OR until lease expiration OR the well must be spud by 2/5/2012 (5 years from the NEPA approval date), whichever occurs first. An additional extension, up to two (2) years, may be applied for by sundry notice prior to expiration.**

NOTIFICATION REQUIREMENTS

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

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

- All new and replacement internal combustion gas field engines of less than or equal to 300 design-rated horsepower must not emit more than 2 gms of NO_x per horsepower-hour. This requirement does not apply to gas field engines of less than or equal to 40 design-rated horsepower.
- All and replacement internal combustion gas field engines of greater than 300 design rated horsepower must not emit more than 1.0 gms of NO_x per horsepower-hour.
- If there is an active Gilsonite mining operation within 2 miles of the well location, operator shall notify the Gilsonite operator at least 48 hours prior to any blasting during construction.
- If paleontological materials are uncovered during construction, the operator is to immediately stop work and contact the Authorized Officer (AO). A determination will be made by the AO as to what mitigation may be necessary for the discovered paleontologic material before construction can continue.

- The following seed mix will be used for Interim Reclamation

Interim Reclamation seed mix

| | | |
|----------------------------|---------------------------------------|--------------|
| Ephraim crested wheatgrass | <i>Agropyron cristatum v. Epharim</i> | 1 lbs. /acre |
| bottlebrush squirreltail | <i>Elymus elymoides</i> | 1 lbs. /acre |
| Siberian wheatgrass | <i>Agropyron fragile</i> | 1 lbs. /acre |
| western wheatgrass | <i>Agropyron smithii</i> | 1 lbs. /acre |
| scarlet globemallow | <i>Spaeralcea coccinea</i> | 1 lbs. /acre |
| shadscale | <i>Atriplex confertifolia</i> | 2 lbs. /acre |
| fourwing saltbush | <i>Atriplex canescens</i> | 2 lbs. /acre |

Seed shall be applied with a rangeland drill, unless topography and /or rockiness precludes the use of equipment. Seed shall be applied between August 15 and ground freezing. All seed rates are in terms of Pure Live Seed. Operator shall notify the Authorized Officer when seeding has commenced, and shall retain all seed tags.

- The operator will control noxious weeds along the well pad, access road, and the pipeline route by spraying or mechanical removal. On BLM administered land, a Pesticide Use Proposal (PUP) will be submitted and approved prior to the application of herbicides or pesticides or possibly hazardous chemicals.
- All permanent (on-site six months or longer), above ground structures constructed or installed, including pumping units, will be painted a flat, non-reflective, earth tone color to match one of the standard environmental colors, as determined by the five state Rocky Mountain Inter-Agency Committee. All facilities will be painted within six months of installation. Facilities required to comply with the Occupational Safety and Health Act (OSHA) will be excluded. The requested color is Shadow Gray as determined during the on-site inspection.
- As agreed upon at the onsite the pit will be lined with double felt.
- As agreed upon at the onsite topsoil pile on the west side of the pad will be pushed further west to insure that it is not mixed in with sub-soils.

- There will be two (2) inches of topsoil saved between corners 7 and 9 and saved on the south side of the pad west side of the pad
- There will be two (2) inches of topsoil saved from the pit and stored between corners A and B of the pit.

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

SITE SPECIFIC DOWNHOLE COAs:

- A formation integrity test shall be performed at the surface casing shoe.
- A Gamma Ray Log shall be run from TD to surface.

Variations Granted:

Air Drilling:

- Properly lubricated and maintained rotating head, variance granted to use a properly maintained and lubricated diverter bowl in place of a rotating head.
- Blooie line discharge 100' from the well bore, variance granted for blooie line discharge to be 45' from the well bore.
- Compressors located in the opposite direction from the blooie line a minimum of 100' from the well bore. Variance granted for two truck/trailer mounted air compressors located within 40 feet from the well bore and 60' from the blooie line.
- In lieu of mud products on location, Kerr McGee will fill the reserve pit with water for kill fluid.
- Automatic igniter. Variance granted for igniter due to there being no productive formations while drilling with air.

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

DRILLING/COMPLETION/PRODUCING OPERATING STANDARDS

- The spud date and time shall be reported orally to Vernal Field Office within 24 hours of spudding.
- Notify Vernal Field Office Supervisory Petroleum Engineering Technician at least 24 hours in advance of casing cementing operations and BOPE & casing pressure tests.
- All requirements listed in Onshore Order #2 III. E. Special Drilling Operations are applicable for air drilling of surface hole.
- Blowout prevention equipment (BOPE) shall remain in use until the well is completed or abandoned. Closing unit controls shall remain unobstructed and readily accessible at all times. Choke manifolds shall be located outside of the rig substructure.
- All BOPE components shall be inspected daily and those inspections shall be recorded in the daily drilling report. Components shall be operated and tested as required by Onshore Oil & Gas Order No. 2 to insure good mechanical working order. All BOPE pressure tests shall be performed by a test pump with a chart recorder and **NOT** by the rig pumps. Test shall be reported in the driller's log.

- BOP drills shall be initially conducted by each drilling crew within 24 hours of drilling out from under the surface casing and weekly thereafter as specified in Onshore Oil & Gas Order No. 2.
- Casing pressure tests are required before drilling out from under all casing strings set and cemented in place.
- No aggressive/fresh hard-banded drill pipe shall be used within casing.
- **Cement baskets shall not be run on surface casing.**
- The operator must report all shows of water or water-bearing sands to the BLM. If flowing water is encountered it must be sampled, analyzed, and a copy of the analyses submitted to the BLM Vernal Field Office.
- The operator must report encounters of all non oil & gas mineral resources (such as Gilsonite, tar sands, oil shale, trona, etc.) to the Vernal Field Office, in writing, within 5 working days of each encounter. Each report shall include the well name/number, well location, date and depth (from KB or GL) of encounter, vertical footage of the encounter and, the name of the person making the report (along with a telephone number) should the BLM need to obtain additional information.
- A complete set of angular deviation and directional surveys of a directional well will be submitted to the Vernal BLM office engineer within 30 days of the completion of the well.
- While actively drilling, chronologic drilling progress reports shall be filed directly with the BLM, Vernal Field Office on a weekly basis in sundry, letter format or e-mail to the Petroleum Engineers until the well is completed.
- A cement bond log (CBL) will be run from the production casing shoe to the top of cement and shall be utilized to determine the bond quality for the production casing. Submit a field copy of the CBL to this office.
- **Please submit an electronic copy of all other logs run on this well in LAS format to UT_VN_Welllogs@BLM.gov. This submission will supersede the requirement for submittal of paper logs to the BLM.**
- There shall be no deviation from the proposed drilling, completion, and/or workover program as approved. Safe drilling and operating practices must be observed. Any changes in operation must have prior approval from the BLM Vernal Field Office.

OPERATING REQUIREMENT REMINDERS:

- All wells, whether drilling, producing, suspended, or abandoned, shall be identified in accordance with 43 CFR 3162.6. There shall be a sign or marker with the name of the operator, lease serial number, well number, and surveyed description of the well.
- In accordance with 43 CFR 3162.4-3, this well shall be reported on the "Monthly Report of Operations" (Oil and Gas Operations Report ((OGOR)) starting with the month in which operations commence and continue each month until the well is physically plugged and abandoned. This report shall be filed in duplicate, directly with the Minerals Management Service, P.O. Box 17110, Denver, Colorado 80217-0110, or call 1-800-525-7922 (303) 231-3650 for reporting information.
- Should the well be successfully completed for production, the BLM Vernal Field office must be notified when it is placed in a producing status. Such notification will be by written communication and must be received in this office by not later than the fifth business day following the date on which the well is placed on production. The notification shall provide, as a minimum, the following informational items:
 - Operator name, address, and telephone number.
 - Well name and number.
 - Well location ($\frac{1}{4}$ Sec., Twn, Rng, and P.M.).
 - Date well was placed in a producing status (date of first production for which royalty will be paid).
 - The nature of the well's production, (i.e., crude oil, or crude oil and casing head gas, or natural gas and entrained liquid hydrocarbons).
 - The Federal or Indian lease prefix and number on which the well is located; otherwise the non-Federal or non-Indian land category, i.e., State or private.
 - Unit agreement and/or participating area name and number, if applicable.
 - Communitization agreement number, if applicable.
- Any venting or flaring of gas shall be done in accordance with Notice to Lessees (NTL) 4A and needs prior approval from the BLM Vernal Field Office.
- All undesirable events (fires, accidents, blowouts, spills, discharges) as specified in NTL 3A will be reported to the BLM, Vernal Field Office. Major events, as defined in NTL3A, shall be reported verbally within 24 hours, followed by a written report within 15 days. "Other than Major Events" will be reported in writing within 15 days. "Minor Events" will be reported on the Monthly Report of Operations and Production.
- Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (BLM Form 3160-4) shall be submitted not later than 30 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3162.4-1. Two copies of all logs run, core descriptions, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, shall be filed on BLM Form 3160-4.

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

- All off-lease storage, off-lease measurement, or commingling on-lease or off-lease, shall have prior written approval from the BLM Vernal Field Office.
- Oil and gas meters shall be calibrated in place prior to any deliveries. The BLM Vernal Field Office Petroleum Engineers will be provided with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports shall be submitted to the BLM Vernal Field Office. All measurement facilities will conform to the API standards for liquid hydrocarbons and the AGA standards for natural gas measurement. All measurement points shall be identified as the point of sale or allocation for royalty purposes.
- A schematic facilities diagram as required by Onshore Oil & Gas Order No. 3 shall be submitted to the BLM Vernal Field Office within 30 days of installation or first production, whichever occurs first. All site security regulations as specified in Onshore Oil & Gas Order No. 3 shall be adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed in accordance with Onshore Oil & Gas Order No. 3.
- Any additional construction, reconstruction, or alterations of facilities, including roads, gathering lines, batteries, etc., which will result in the disturbance of new ground, shall require the filing of a suitable plan and need prior approval of the BLM Vernal Field Office. Emergency approval may be obtained orally, but such approval does not waive the written report requirement.
- No location shall be constructed or moved, no well shall be plugged, and no drilling or workover equipment shall be removed from a well to be placed in a suspended status without prior approval of the BLM Vernal Field Office. If operations are to be suspended for more than 30 days, prior approval of the BLM Vernal Field Office shall be obtained and notification given before resumption of operations.
- Pursuant to Onshore Oil & Gas Order No. 7, this is authorization for pit disposal of water produced from this well for a period of 90 days from the date of initial production. A permanent disposal method must be approved by this office and in operation prior to the end of this 90-day period. In order to meet this deadline, an application for the proposed permanent disposal method shall be submitted along with any necessary water analyses, as soon as possible, but no later than 45 days after the date of first production. Any method of disposal which has not been approved prior to the end of the authorized 90-day period will be considered as an Incident of Noncompliance and will be grounds for issuing a shut-in order until an acceptable manner for disposing of said water is provided and approved by this office.
- Unless the plugging is to take place immediately upon receipt of oral approval, the Field Office Petroleum Engineers must be notified at least 24 hours in advance of the plugging of the well, in order that a representative may witness plugging operations. If a well is suspended or abandoned, all pits must be fenced immediately until they are backfilled. The "Subsequent Report of Abandonment" (Form BLM 3160-5) must be submitted within 30 days after the actual plugging of the well bore, showing location of plugs, amount of cement in each, and amount of casing left in hole, and the current status of the surface restoration.

**Federal Approval of this
Action is Necessary**

API Well No: 43047505200000

| | |
|--|---|
| STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING | FORM 9 |
| SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals. | 5. LEASE DESIGNATION AND SERIAL NUMBER: UTU 38421 |
| | 6. IF INDIAN, ALLOTTEE OR TRIBE NAME: |
| | 7. UNIT or CA AGREEMENT NAME: |
| 1. TYPE OF WELL Gas Well | 8. WELL NAME and NUMBER: Bonanza 1023-18L2S |
| 2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P. | 9. API NUMBER: 43047505200000 |
| 3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779 | PHONE NUMBER: 720 929-6007 Ext |
| 4. LOCATION OF WELL FOOTAGES AT SURFACE: 2535 FNL 0898 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWNW Section: 18 Township: 10.0S Range: 23.0E Meridian: S | 9. FIELD and POOL or WILDCAT: NATURAL BUTTES |
| | COUNTY: UINTAH |
| | STATE: UTAH |

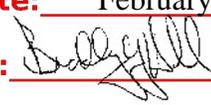
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

| TYPE OF SUBMISSION | TYPE OF ACTION | | |
|---|---|---|---|
| <input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 2/24/2010 | <input type="checkbox"/> ACIDIZE | <input type="checkbox"/> ALTER CASING | <input type="checkbox"/> CASING REPAIR |
| <input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: | <input checked="" type="checkbox"/> CHANGE TO PREVIOUS PLANS | <input type="checkbox"/> CHANGE TUBING | <input type="checkbox"/> CHANGE WELL NAME |
| <input type="checkbox"/> SPUD REPORT 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 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 type="checkbox"/> APD EXTENSION |
| | <input type="checkbox"/> WILDCAT WELL DETERMINATION | <input type="checkbox"/> OTHER | OTHER: _____ |

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

Kerr-McGee Oil & Gas Onshore, L.P. (Kerr-McGee) respectfully requests a minor adjustment to the surface location of this well due to additional wells being added to the pad. The surface location is changing FROM: 2,535' FNL 898' FWL TO: 2,508' FNL 856' FWL. Please see the attached revised survey plats for additional information. All of the original information remains the same. Please contact the undersigned with any questions and/or comments.

Thank you.

**Approved by the
Utah Division of
Oil, Gas and Mining**
Date: February 18, 2010
By: 

| | | |
|--|-------------------------------------|------------------------------------|
| NAME (PLEASE PRINT) Danielle Piernot | PHONE NUMBER 720 929-6156 | TITLE Regulatory Analyst |
| SIGNATURE N/A | DATE 2/17/2010 | |

RECEIVED February 17, 2010

T10S, R23E, S.L.B.&M.

Found 1991 Aluminum Cap in Pile of Stones.
Fence Post on East side of Cap.

S89°24'W - 39.86 (G.L.O.)
S89°21'10"W - 2630.50' (Meas.)

N89°41'W - 39.95 (G.L.O.)
N89°44'46"W - 2636.61' (Meas.)

Found 1995 Aluminum Cap in Pile of Stones.

Found 1995 Aluminum Cap in Pile of Stones.

N00°02'E - 40.14 (G.L.O.)
2649.55' (Measured)
N00°00'51"W (Basis of Bearings)

LOT 1
2508'

WELL LOCATION: BONANZA 1023-18L2S

ELEV. UNGRADED GROUND = 5315.6'

N00°16'E - 80.34 (G.L.O.)

Found 1995 Aluminum Cap. Fence Post on South side of Cap.

856' Well Surface Position

18

425' Bottom of Hole

W.C. S00°16'W
1.00 (G.L.O.)

N00°02'E - 40.02 (G.L.O.)
N00°00'58"W - 2640.95' (Meas.)

LOT 3
2220'

BONANZA 1023-18L2S (Surface Position)
NAD 83 LATITUDE = 39.949316° (39° 56' 57.539")
LONGITUDE = 109.375834° (109° 22' 33.004")
NAD 27 LATITUDE = 39.949350° (39° 56' 57.661")
LONGITUDE = 109.375155° (109° 22' 30.558")

BONANZA 1023-18L2S (Bottom Hole)
NAD 83 LATITUDE = 39.947738° (39° 56' 51.855")
LONGITUDE = 109.377374° (109° 22' 38.546")
NAD 27 LATITUDE = 39.947772° (39° 56' 51.977")
LONGITUDE = 109.376694° (109° 22' 36.100")

Found 1991 Aluminum Cap. Pile of Stones

N89°33'26"W - 2587.43' (Meas.)
N89°30'W - 39.21 (G.L.O.)

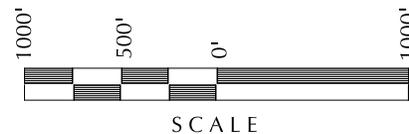
S89°31'W - 40.31 (G.L.O.)

Found 1995 Aluminum Cap in Pile of Stones.

NOTES:

▲ = Section Corners Located

- Well footages are measured at right angles to the Section Lines.
- G.L.O. distances are shown in feet or chains.
1 chain = 66 feet.
- The Bottom of hole bears S36°49'55"W 719.28' from the Surface Position.
- Bearings are based on Global Positioning Satellite observations.
- Basis of elevation is Tri-Sta "Two Water" located in the NW ¼ of Section 1, T10S, R21E, S.L.B.&M. The elevation of this Tri-Sta is shown on the Big Pack Mtn NE 7.5 Min. Quadrangle as being 5238'.



SURVEYOR'S 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.

PROF. SEAL OF SURVEYOR
No. 6028691
JOHN R. SLAUGH
REGISTERED LAND SURVEYOR
REGISTRATION No. 6028691
STATE OF UTAH

Kerr-McGee Oil & Gas Onshore, LP
1099 18th Street - Denver, Colorado 80202

WELL PAD - BONANZA 1023-18E2

**BONANZA 1023-18L2S
WELL PLAT**

**2220' FSL, 425' FWL (Bottom Hole)
LOT 3 OF SECTION 18, T10S, R23E,
S.L.B.&M., UTAH COUNTY, UTAH.**



609 CONSULTING, LLC
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TIMBERLINE

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209 NORTH 300 WEST - VERNAL, UTAH 84078

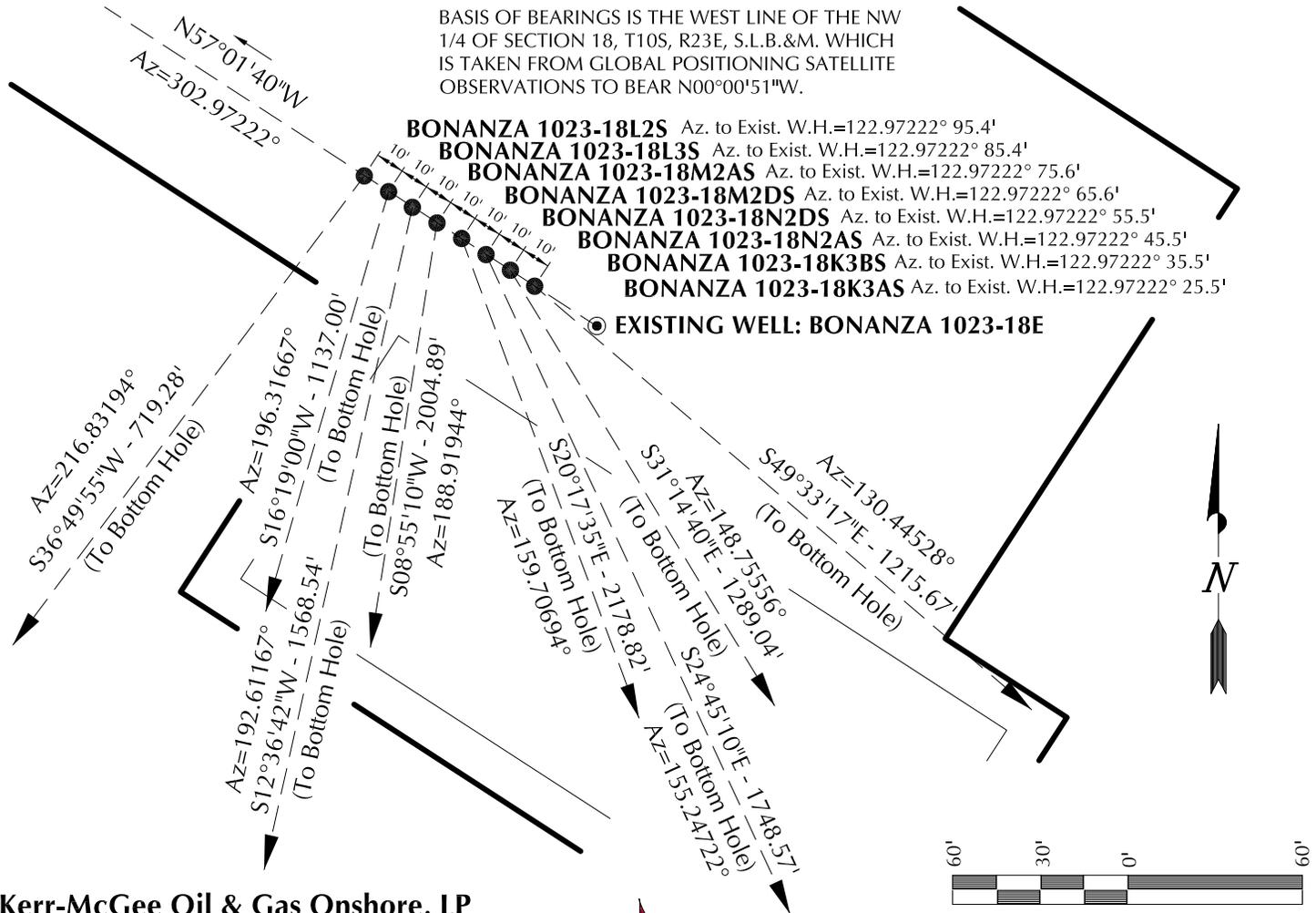
| | | |
|----------------------------|---------------------|---------------------------------------|
| DATE SURVEYED: 08-11-09 | SURVEYED BY: M.S.B. | SHEET NO: 1 1 OF 19 |
| DATE DRAWN: 08-12-09 | DRAWN BY: M.W.W. | |
| SCALE: 1" = 1000' | | Date Last Revised: 12-23-09 E.M.S. |

RECEIVED February 17, 2010

| WELL NAME | SURFACE POSITION | | | | | BOTTOM HOLE | | | | |
|---------------------|------------------|----------------|---------------|----------------|-----------------------|---------------|----------------|---------------|----------------|------------------------|
| | NAD83 | | NAD27 | | FOOTAGES | NAD83 | | NAD27 | | FOOTAGES |
| | LATITUDE | LONGITUDE | LATITUDE | LONGITUDE | | LATITUDE | LONGITUDE | LATITUDE | LONGITUDE | |
| BONANZA 1023-18L2S | 39°56'57.539" | 109°22'33.004" | 39°56'57.661" | 109°22'30.558" | 2508' FNL 856' FWL | 39°56'51.855" | 109°22'38.546" | 39°56'51.977" | 109°22'36.100" | 2220' FSL 425' FWL |
| BONANZA 1023-18L3S | 39°56'57.485" | 109°22'32.896" | 39°56'57.607" | 109°22'30.450" | 2513' FNL 865' FWL | 39°56'46.707" | 109°22'37.010" | 39°56'46.829" | 109°22'34.564" | 1700' FSL 545' FWL |
| BONANZA 1023-18M2AS | 39°56'57.432" | 109°22'32.791" | 39°56'57.554" | 109°22'30.345" | 2519' FNL 873' FWL | 39°56'42.312" | 109°22'37.207" | 39°56'42.434" | 109°22'34.761" | 1255' FSL 530' FWL |
| BONANZA 1023-18M2DS | 39°56'57.378" | 109°22'32.682" | 39°56'57.501" | 109°22'30.236" | 2524' FNL 881' FWL | 39°56'37.813" | 109°22'36.697" | 39°56'37.935" | 109°22'34.251" | 800' FSL 570' FWL |
| BONANZA 1023-18N2DS | 39°56'57.325" | 109°22'32.573" | 39°56'57.447" | 109°22'30.127" | 2529' FNL 890' FWL | 39°56'37.127" | 109°22'22.899" | 39°56'37.249" | 109°22'20.454" | 740' FSL 1645' FWL |
| BONANZA 1023-18N2AS | 39°56'57.270" | 109°22'32.465" | 39°56'57.393" | 109°22'30.019" | 2535' FNL 898' FWL | 39°56'41.575" | 109°22'23.088" | 39°56'41.697" | 109°22'20.642" | 1190' FSL 1630' FWL |
| BONANZA 1023-18K3BS | 39°56'57.217" | 109°22'32.358" | 39°56'57.339" | 109°22'29.912" | 2541' FNL 907' FWL | 39°56'46.322" | 109°22'23.789" | 39°56'46.444" | 109°22'21.344" | 1670' FSL 1575' FWL |
| BONANZA 1023-18K3AS | 39°56'57.163" | 109°22'32.250" | 39°56'57.285" | 109°22'29.804" | 2546' FNL 915' FWL | 39°56'49.362" | 109°22'20.385" | 39°56'49.484" | 109°22'17.939" | 1980' FSL 1840' FWL |
| BONANZA 1023-18E | 39°56'57.027" | 109°22'31.975" | 39°56'57.149" | 109°22'29.529" | 2560' FNL 937' FWL | 39°56'49.362" | 109°22'20.385" | 39°56'49.484" | 109°22'17.939" | 1980' FSL 1840' FWL |

RELATIVE COORDINATES - From Surface Position to Bottom Hole

| WELL NAME | NORTH | EAST |
|---------------------|----------|---------|---------------------|----------|---------|---------------------|----------|---------|---------------------|----------|---------|
| BONANZA 1023-18L2S | -575.7' | -431.2' | BONANZA 1023-18L3S | -1091.2' | -319.4' | BONANZA 1023-18M2AS | -1530.7' | -342.5' | BONANZA 1023-18M2DS | -1980.6' | -310.8' |
| BONANZA 1023-18N2DS | -2043.6' | 755.7' | BONANZA 1023-18N2AS | -1587.9' | 732.1' | BONANZA 1023-18K3BS | -1102.1' | 668.6' | BONANZA 1023-18K3AS | -788.6' | 925.2' |



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WELL PAD - BONANZA 1023-18E2

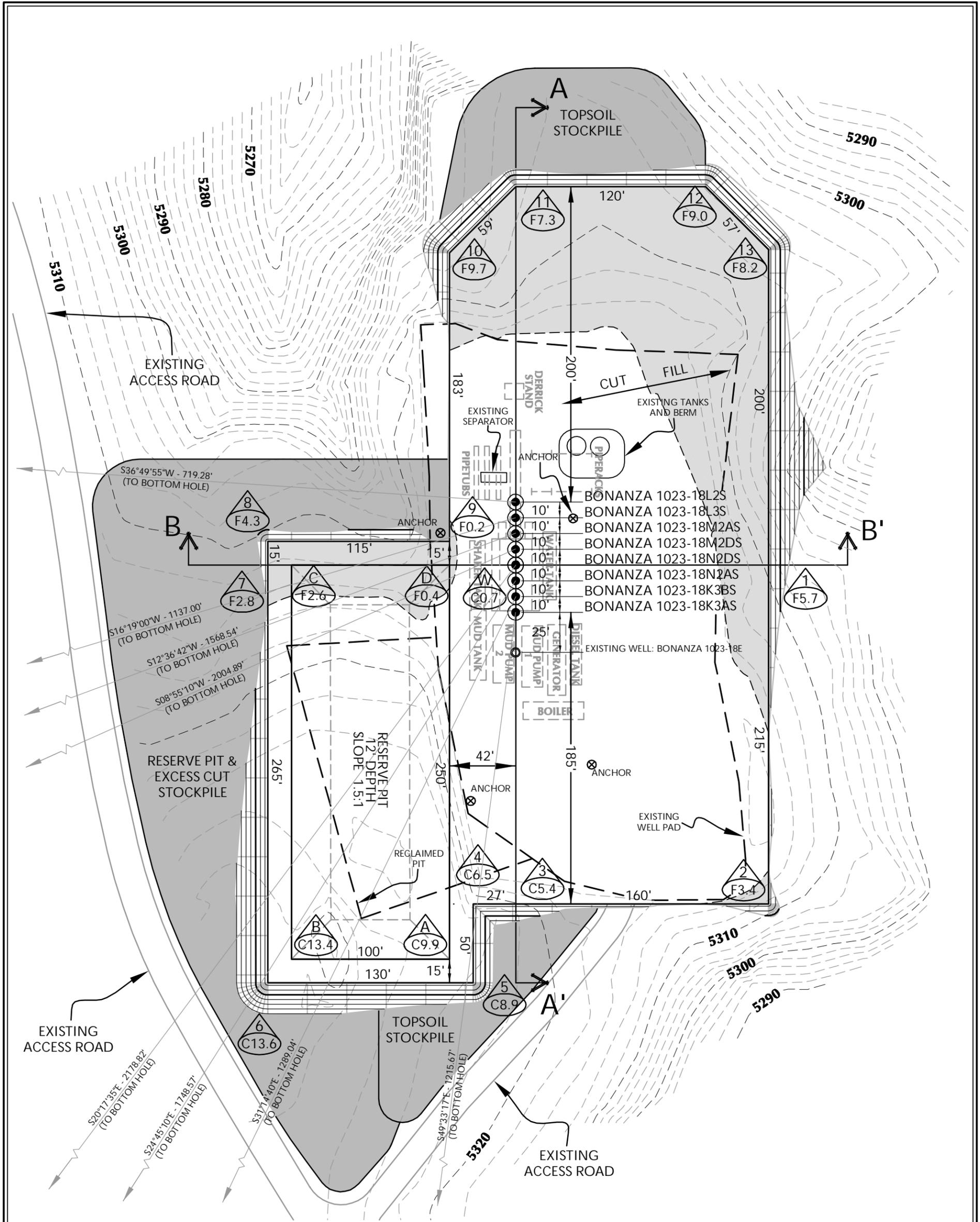
WELL PAD INTERFERENCE PLAT
 WELLS - BONANZA 1023-18L2S, BONANZA 1023-18L3S,
 BONANZA 1023-18M2AS, BONANZA 1023-18M2DS,
 BONANZA 1023-18N2DS, BONANZA 1023-18N2AS,
 BONANZA 1023-18K3BS & BONANZA 1023-18K3AS
 LOCATED IN SECTION 18, T10S, R23E,
 S.L.B.&M., UTAH COUNTY, UTAH.



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 ENGINEERING & LAND SURVEYING, INC.
 209 NORTH 300 WEST - VERNAL, UTAH 84078

| | | |
|----------------------------|---------------------------------------|-----------------------|
| DATE SURVEYED: 08-11-09 | SURVEYED BY: M.S.B. | SHEET NO: 9 |
| DATE DRAWN: 08-12-09 | DRAWN BY: M.W.W. | |
| SCALE: 1" = 60' | Date Last Revised: 12-28-09 E.M.S. | 9 OF 19 |



WELL PAD - BONANZA 1023-18E2 DESIGN SUMMARY

EXISTING GRADE @ CENTER OF WELL PAD = 5315.6'
 FINISHED GRADE ELEVATION = 5314.9'
 CUT SLOPES = 1.5:1
 FILL SLOPES = 1.5:1
 TOTAL WELL PAD AREA = 3.22 ACRES
 TOTAL DAMAGE AREA = 6.53 ACRES
 SHRINKAGE FACTOR = 1.10
 SWELL FACTOR = 1.00

WELL PAD QUANTITIES

TOTAL CUT FOR WELL PAD = 11,616 C.Y.
 TOTAL FILL FOR WELL PAD = 7,280 C.Y.
 TOPSOIL @ 6" DEPTH = 1,179 C.Y.
 EXCESS MATERIAL = 4,336 C.Y.

RESERVE PIT QUANTITIES

TOTAL CUT FOR RESERVE PIT +/- 8,510 CY
 RESERVE PIT CAPACITY (2' OF FREEBOARD) +/- 32,370 BARRELS

WELL PAD LEGEND

- EXISTING WELL LOCATION
- PROPOSED WELL LOCATION
- PROPOSED BOTTOM HOLE LOCATION
- EXISTING CONTOURS (2' INTERVAL)
- PROPOSED CONTOURS (2' INTERVAL)



HORIZONTAL 0 30 60 1" = 60'
 2' CONTOURS

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 1099 18th Street - Denver, Colorado 80202

WELL PAD - BONANZA 1023-18E2

WELL PAD - LOCATION LAYOUT
 BONANZA 1023-18L2S, BONANZA 1023-18L3S,
 BONANZA 1023-18M2AS, BONANZA 1023-18M2DS,
 BONANZA 1023-18N2DS, BONANZA 1023-18N2AS,
 BONANZA 1023-18K3BS & BONANZA 1023-18K3AS
 LOCATED IN SECTION 18, T10S, R23E,
 S.L.B.&M., UINTAH COUNTY, UTAH



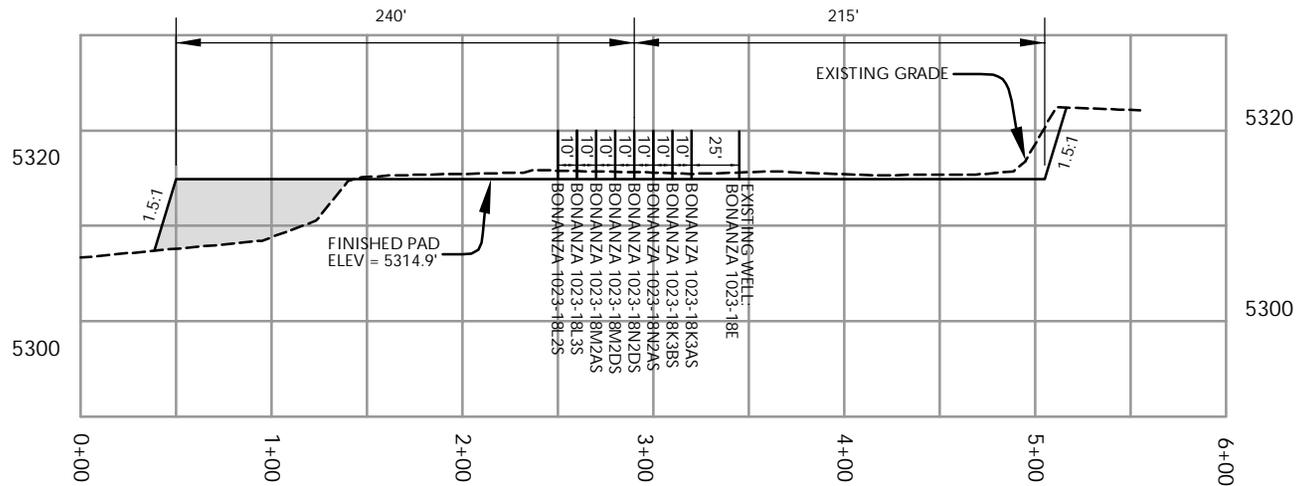
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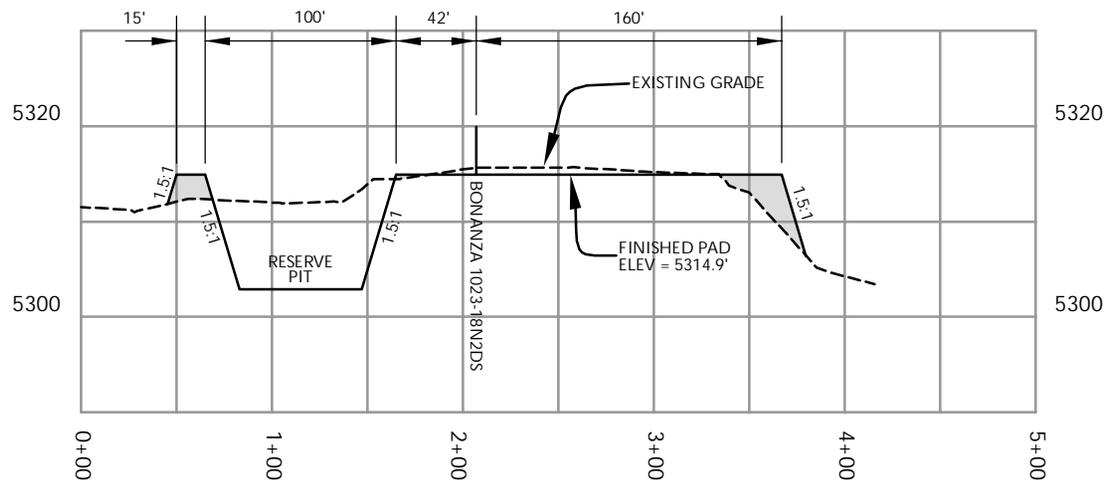
Scale: 1"=60' Date: 2/11/10 SHEET NO:
 REVISED: **10** 10 OF 19

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CROSS SECTION A-A'



CROSS SECTION B-B'

NOTE: CROSS SECTION B-B' DEPICTS MAXIMUM RESERVE PIT DEPTH.

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WELL PAD - BONANZA 1023-18E2

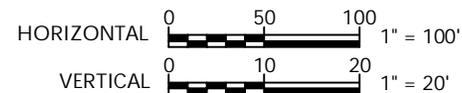
WELL PAD - CROSS SECTIONS
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BONANZA 1023-18M2AS, BONANZA 1023-18M2DS,
BONANZA 1023-18N2DS, BONANZA 1023-18N2AS,
BONANZA 1023-18K3BS & BONANZA 1023-18K3AS
LOCATED IN SECTION 18, T10S, R23E,
S.L.B.&M., UINTAH COUNTY, UTAH



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Scale: 1"=100'

Date: 2/11/10

SHEET NO:

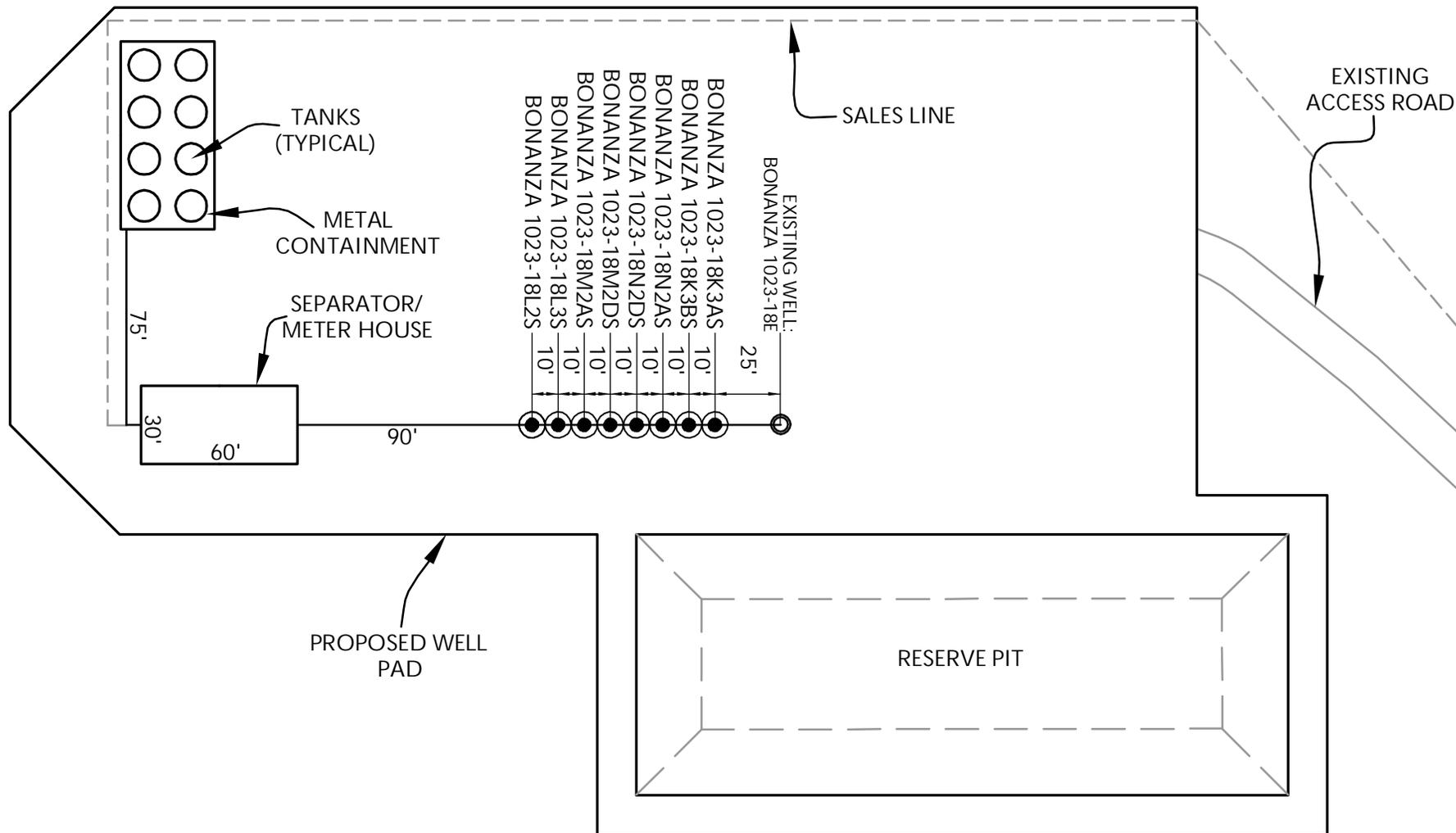
REVISED:

11

11 OF 19

RECEIVED February 17, 2010

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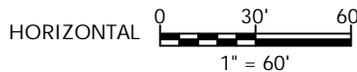
Kerr-McGee Oil & Gas Onshore, LP
1099 18th Street - Denver, Colorado 80202

WELL PAD - BONANZA 1023-18E2

WELL PAD - FACILITIES DIAGRAM
BONANZA 1023-18L2S, BONANZA 1023-18L3S,
BONANZA 1023-18M2AS, BONANZA 1023-18M2DS,
BONANZA 1023-18N2DS, BONANZA 1023-18N2AS,
BONANZA 1023-18K3BS & BONANZA 1023-18K3AS
LOCATED IN SECTION 18, T10S, R23E,
S.L.B.&M., Uintah County, Utah



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WELL PAD LEGEND

- EXISTING WELL LOCATION
- PROPOSED WELL LOCATION
- PROPOSED SALES LINE

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Scale: 1"=60'

Date: 2/11/10

SHEET NO:

REVISED:

12

12 OF 19

RECEIVED February 17, 2010

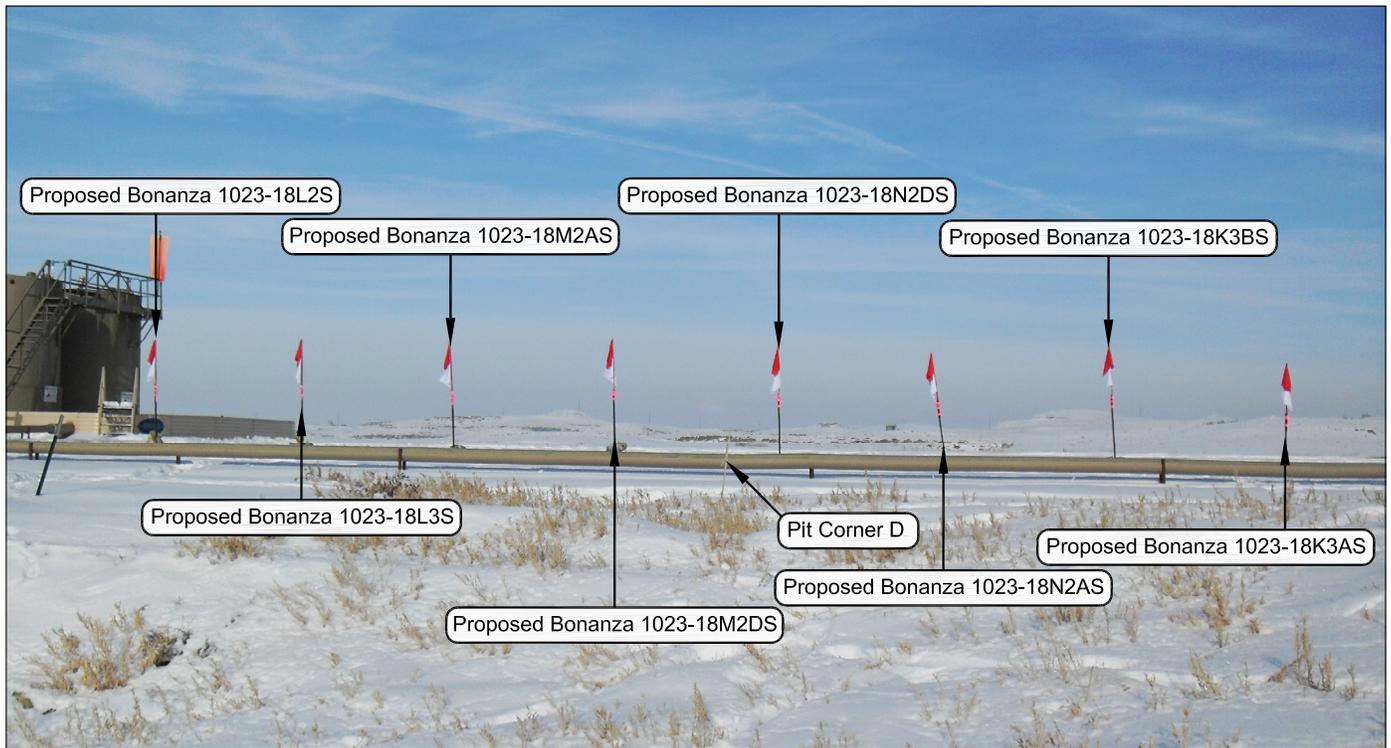


PHOTO VIEW: FROM PIT CORNER D TO LOCATION STAKE

CAMERA ANGLE: NORTHEASTERLY



PHOTO VIEW: FROM EXISTING ACCESS ROAD

CAMERA ANGLE: NORTHWESTERLY

Kerr-McGee Oil & Gas Onshore, LP
 1099 18th Street - Denver, Colorado 80202

Well Pad - BONANZA 1023-18E2

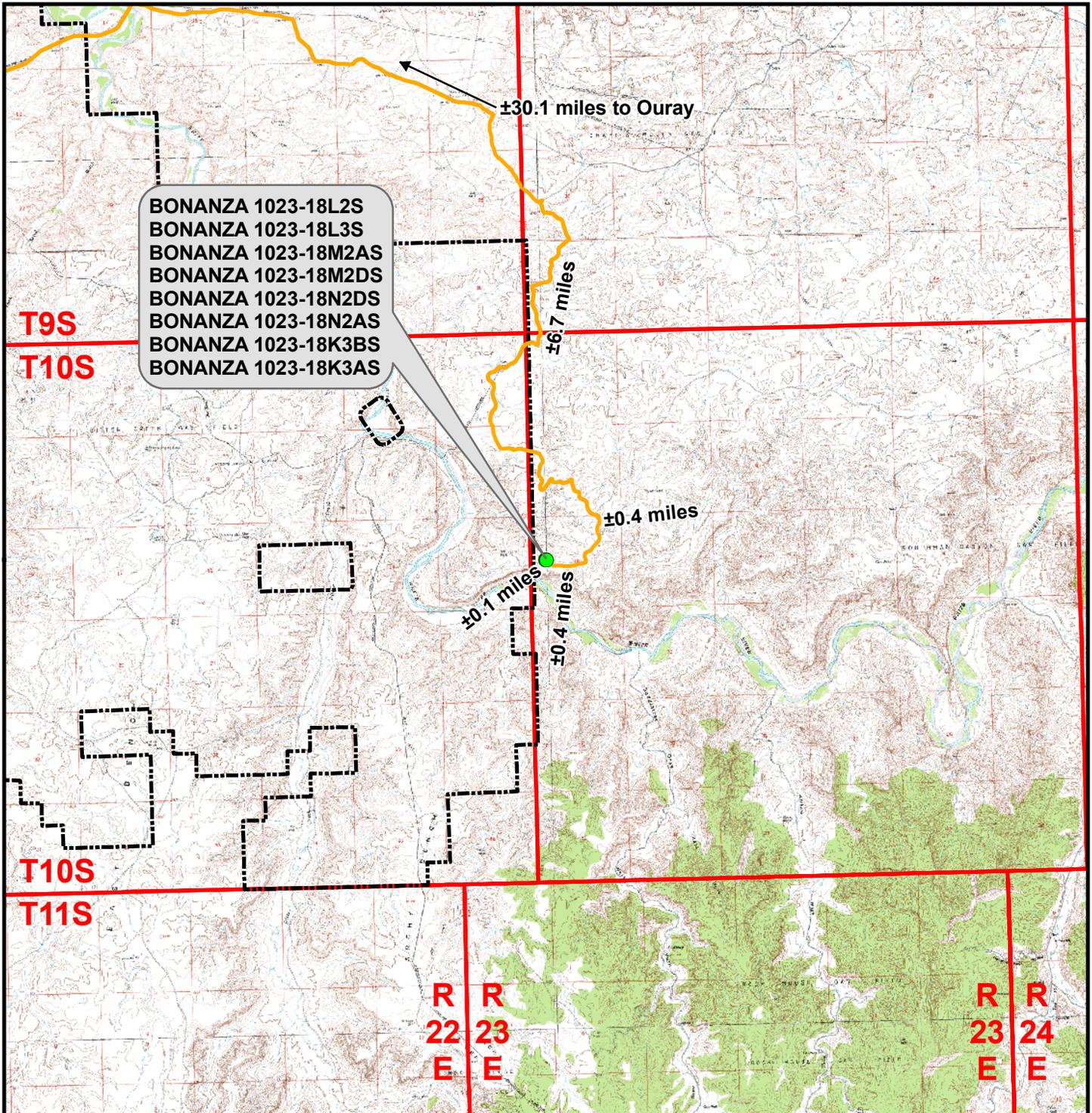
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 BONANZA 1023-18M2AS, BONANZA 1023-18M2DS,
 BONANZA 1023-18N2DS, BONANZA 1023-18N2AS,
 BONANZA 1023-18K3BS & BONANZA 1023-18K3AS
 LOCATION PHOTOS
 LOCATED IN SECTION 18, T10S, R23E,
 S.L.B.&M., UTAH COUNTY, UTAH.



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| | | |
|------------------------------------|-------------------------|------------------------|
| DATE PHOTOS TAKEN: 08-11-09 | PHOTOS TAKEN BY: M.S.B. | SHEET NO: 13 |
| DATE DRAWN: 08-12-09 | DRAWN BY: M.W.W. | |
| Date Last Revised: 12-28-09 E.M.S. | | 13 OF 19 |



Legend

- Proposed Well Location
- Natural Buttes Unit Boundary
- Access Route - Proposed

Distance From Well Pad - BONANZA 1023-18E2 To Unit Boundary: ±856ft

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WELL PAD - BONANZA 1023-18E2

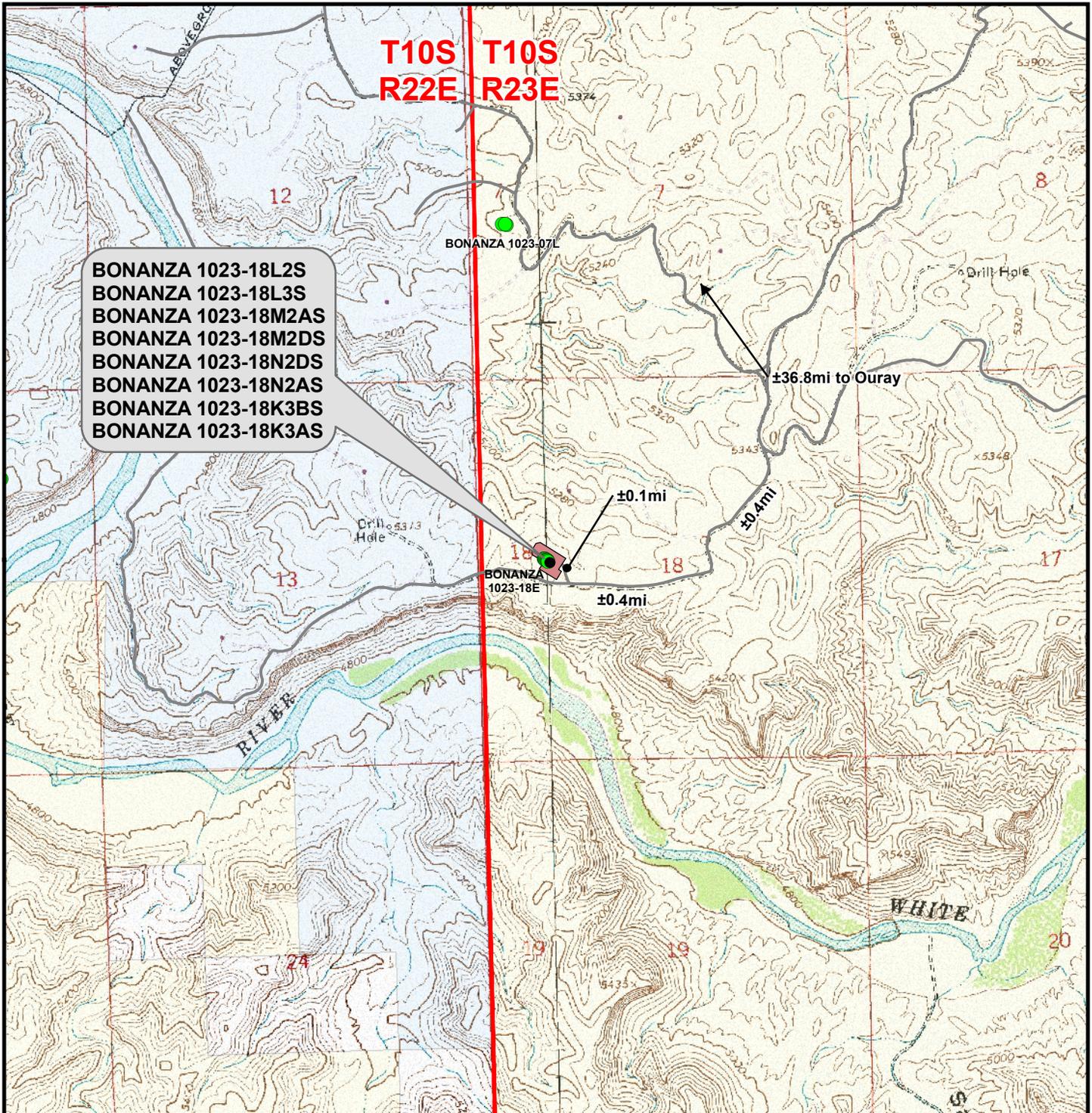
BONANZA 1023-18L2S, BONANZA 1023-18L3S,
 BONANZA 1023-18M2AS, BONANZA 1023-18M2DS,
 BONANZA 1023-18N2DS, BONANZA 1023-18N2AS,
 BONANZA 1023-18K3BS & BONANZA 1023-18K3AS

TOPO A
 LOCATED IN SECTION 18, T10S, R23E
 S.L.B.&M., UTAH COUNTY, UTAH

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| | | |
|------------------|-------------------|-----------|
| Scale: 1:100,000 | NAD83 USP Central | Sheet No: |
| Drawn: JELO | Date: 12 Feb 2010 | 14 |
| Revised: | Date: | |



Legend

Total Proposed Road Length: ±0ft

- Well - Proposed
- Well - Existing
- Well Pad
- Road - Proposed
- Road - Existing
- Bureau of Land Management
- Indian Reservation
- State
- Private

Kerr-McGee Oil & Gas Onshore, LP
1099 18th Street, Denver, Colorado 80202

WELL PAD - BONANZA 1023-18E2

BONANZA 1023-18L2S, BONANZA 1023-18L3S,
BONANZA 1023-18M2AS, BONANZA 1023-18M2DS,
BONANZA 1023-18N2AS, BONANZA 1023-18N2DS,
BONANZA 1023-18K3BS & BONANZA 1023-18K3AS
TOPO B

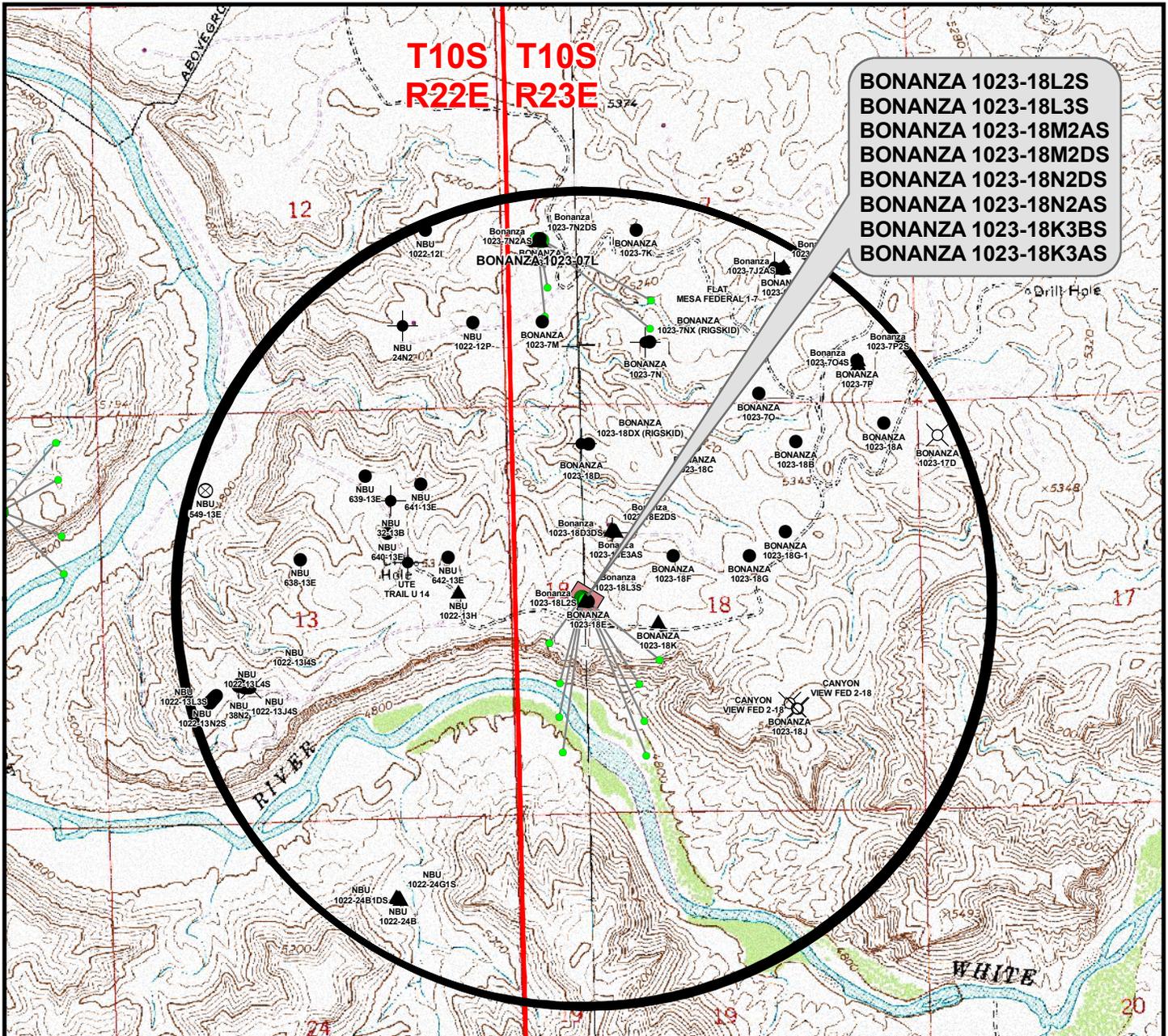
LOCATED IN SECTION 18, T10S, R23E
S.L.B.&M., UTAH COUNTY, UTAH



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| | | |
|---------------------|-------------------|-----------|
| Scale: 1" = 2,000ft | NAD83 USP Central | Sheet No: |
| Drawn: JELo | Date: 12 Feb 2010 | 15 |
| Revised: | Date: | |



- BONANZA 1023-18L2S
- BONANZA 1023-18L3S
- BONANZA 1023-18M2AS
- BONANZA 1023-18M2DS
- BONANZA 1023-18N2DS
- BONANZA 1023-18N2AS
- BONANZA 1023-18K3BS
- BONANZA 1023-18K3AS

| Proposed Well | Nearest Well Bore | Footage | Proposed Well | Nearest Well Bore | Footage |
|---------------------|-------------------|---------|---------------------|-------------------|---------|
| BONANZA 1023-18L2S | BONANZA 1023-18E | 720ft | BONANZA 1023-18N2DS | BONANZA 1023-18K | 1,742ft |
| BONANZA 1023-18L3S | BONANZA 1023-18E | 1,101ft | BONANZA 1023-18N2AS | BONANZA 1023-18K | 1,298ft |
| BONANZA 1023-18M2AS | BONANZA 1023-18E | 1,529ft | BONANZA 1023-18K3BS | BONANZA 1023-18K | 843ft |
| BONANZA 1023-18M2DS | BONANZA 1023-18E | 1,964ft | BONANZA 1023-18K3AS | BONANZA 1023-18K | 492ft |

Legend

- Well - Proposed
- Bottom Hole - Proposed
- Well Path
- Well Pad
- Well - 1 Mile Radius
- Producing
- ★ Active
- ☺ Spudded (Drilling commenced; Not yet completed)
- ▲ Approved permit (APD); not yet spudded
- New Permit (Not yet approved or drilled)
- ⊕ Inactive
- ⊗ Drilling Operations Suspended
- Temporarily-Abandoned
- Shut-In
- Plugged and Abandoned
- ⊗ Location Abandoned
- ⊗ Dry hole marker, buried
- ⊗ Returned APD (Unapproved)

Kerr-McGee Oil & Gas Onshore, LP
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WELL PAD - BONANZA 1023-18E2

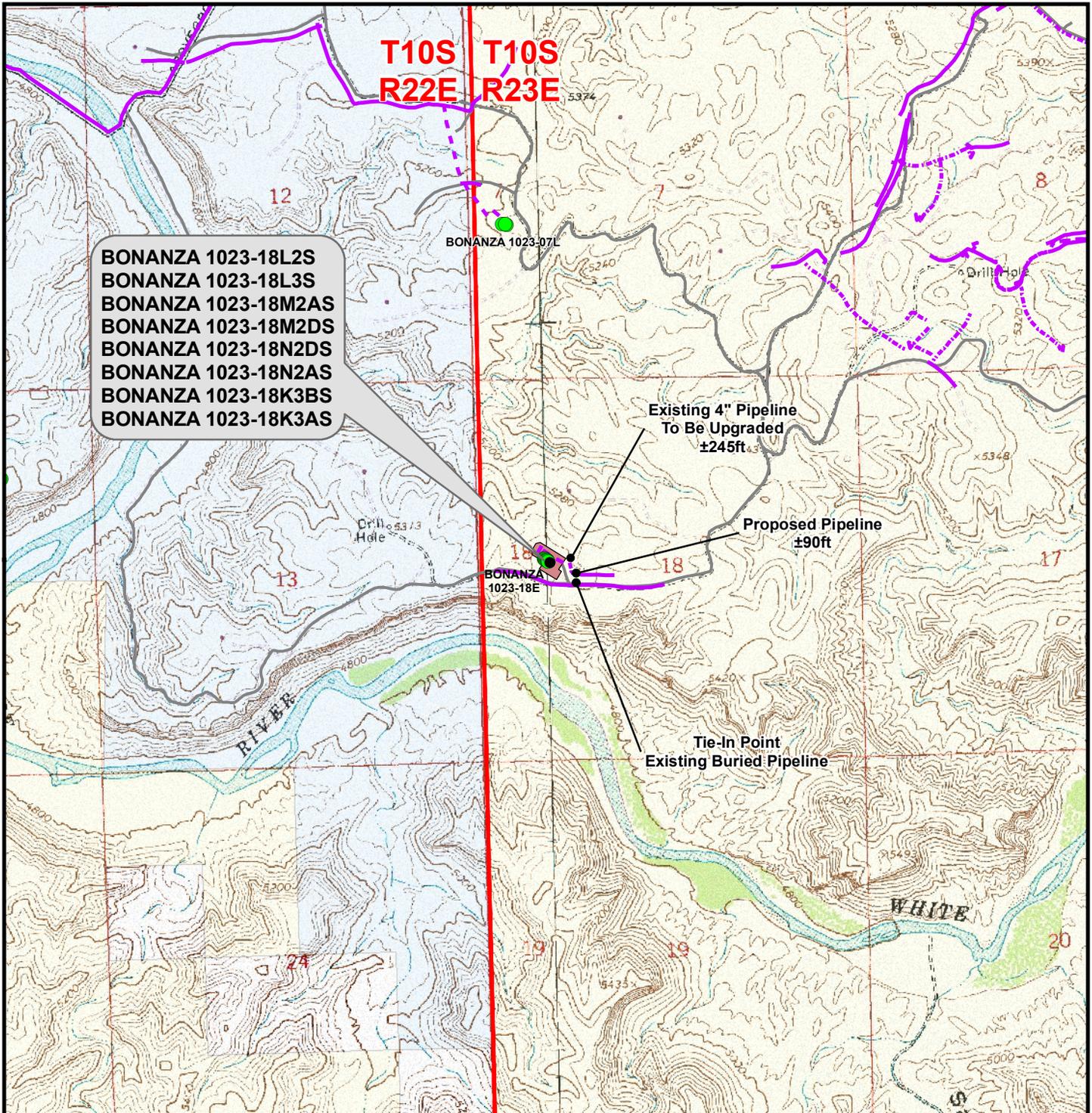
BONANZA 1023-18L2S, BONANZA 1023-18L3S,
BONANZA 1023-18M2AS, BONANZA 1023-18M2DS,
BONANZA 1023-18N2DS, BONANZA 1023-18N2AS,
BONANZA 1023-18K3BS & BONANZA 1023-18K3AS
TOPO C

LOCATED IN SECTION 18, T10S, R23E
S.L.B.&M., UTAH COUNTY, UTAH

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| | | |
|---------------------|-------------------|--------------------|
| Scale: 1" = 2,000ft | NAD83 USP Central | Sheet No: |
| Drawn: JELO | Date: 12 Feb 2010 | 16 16 of 19 |
| Revised: | Date: | |



BONANZA 1023-18L2S
BONANZA 1023-18L3S
BONANZA 1023-18M2AS
BONANZA 1023-18M2DS
BONANZA 1023-18N2DS
BONANZA 1023-18N2AS
BONANZA 1023-18K3BS
BONANZA 1023-18K3AS

Existing 4" Pipeline
To Be Upgraded
±245ft

Proposed Pipeline
±90ft

Tie-In Point
Existing Buried Pipeline

Legend

- Well - Proposed
- Well - Existing
- Well Pad
- Pipeline - Proposed
- Pipeline - To Be Upgraded
- Pipeline - Existing
- Road - Proposed
- Road - Existing
- Bureau of Land Management
- Indian Reservation
- State
- Private

Proposed Pipeline Length From Tie-In Point To Edge Of Pad: ±335ft
Proposed Pipeline Length From Edge Of Pad To Meter House: ±625ft

Kerr-McGee Oil & Gas Onshore, LP
1099 18th Street, Denver, Colorado 80202

WELL PAD - BONANZA 1023-18E2

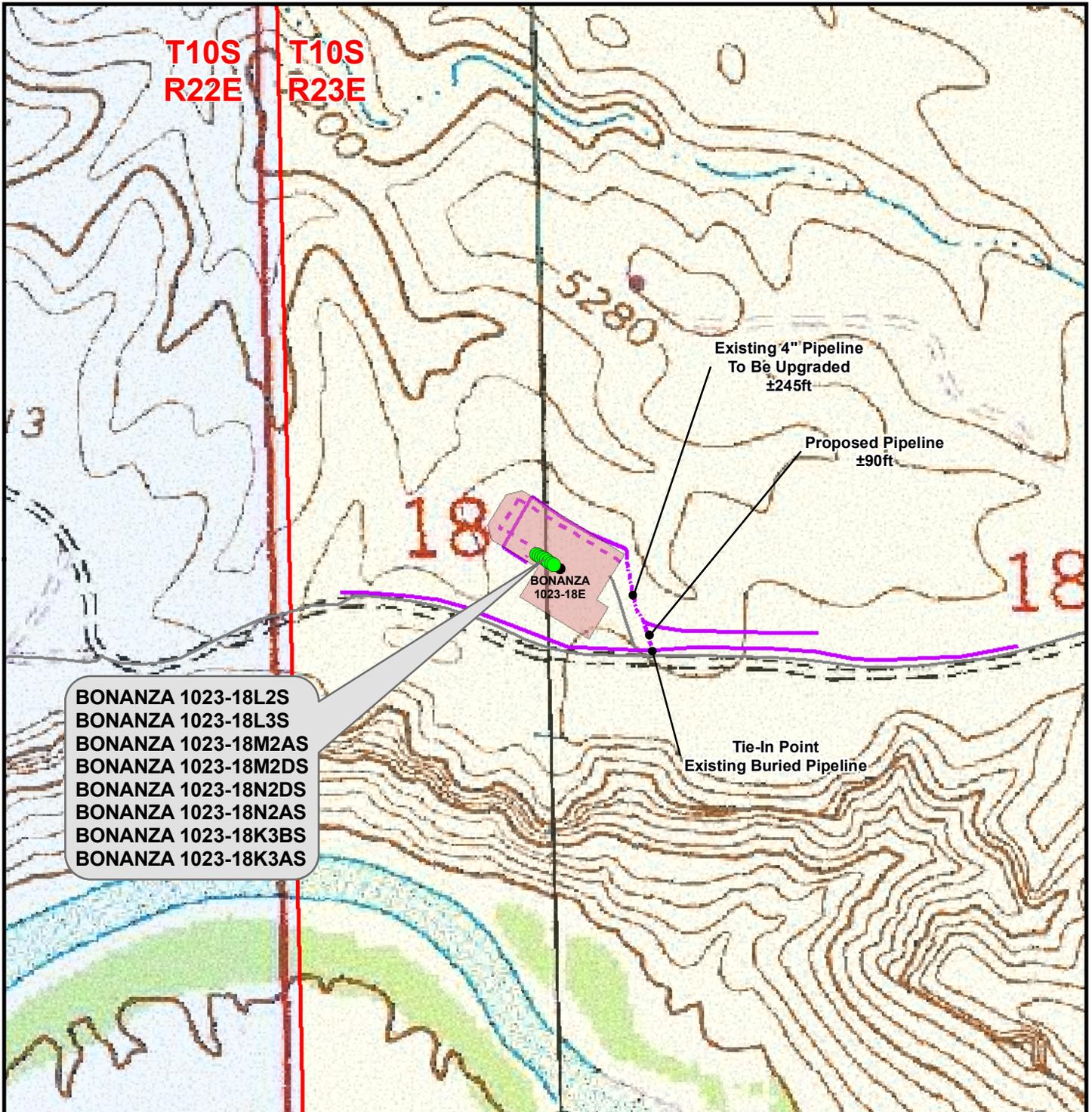
BONANZA 1023-18L2S, BONANZA 1023-18L3S,
 BONANZA 1023-18M2AS, BONANZA 1023-18M2DS,
 BONANZA 1023-18N2DS, BONANZA 1023-18N2AS,
 BONANZA 1023-18K3BS & BONANZA 1023-18K3AS
 TOPO D

LOCATED IN SECTION 18, T10S, R23E
 S.L.B.&M., UTAH COUNTY, UTAH

609
CONSULTING, LLC
 371 Coffeen Avenue
 Sheridan, WY 82801
 Phone (307) 674-0609
 Fax (307) 674-0182



| | | | |
|---------------------|-------------------|-----------|----------|
| Scale: 1" = 2,000ft | NAD83 USP Central | Sheet No: | |
| Drawn: JELo | Date: 12 Feb 2010 | 17 | 17 of 19 |
| Revised: | Date: | | |



Legend

- Well - Proposed ■ Well Pad - - - Pipeline - Proposed - - - Road - Proposed Bureau of Land Management State
- Well - Existing - - - Pipeline - To Be Upgraded - - - Road - Existing Indian Reservation Private
- Pipeline - Existing

Kerr-McGee Oil & Gas Onshore, LP
 1099 18th Street, Denver, Colorado 80202

WELL PAD - BONANZA 1023-18E2

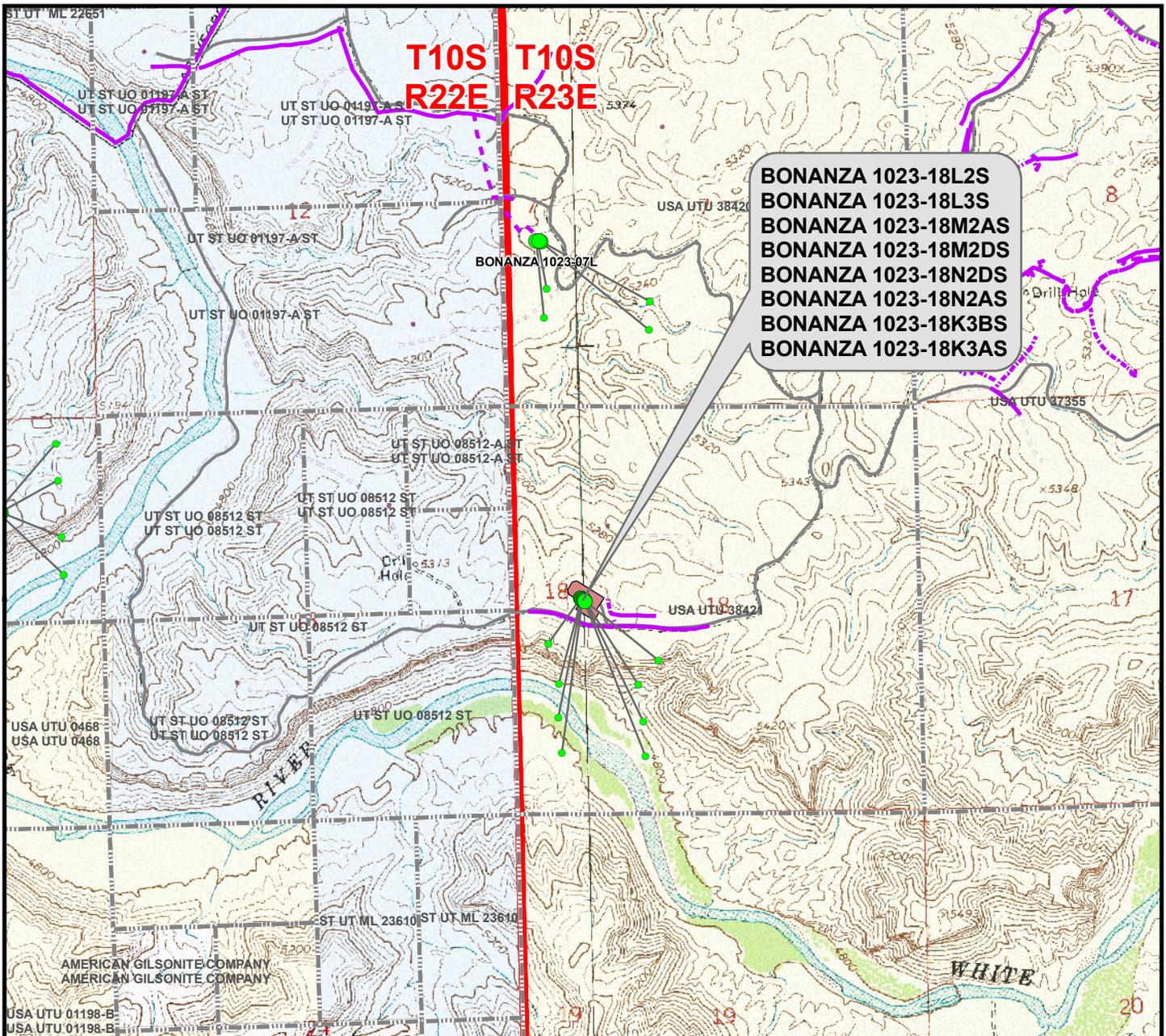
BONANZA 1023-18L2S, BONANZA 1023-18L3S,
 BONANZA 1023-18M2AS, BONANZA 1023-18M2DS,
 BONANZA 1023-18N2DS, BONANZA 1023-18N2AS,
 BONANZA 1023-18K3BS & BONANZA 1023-18K3AS
 TOPO D (PAD & PIPELINE DETAIL)
 LOCATED IN SECTION 18, T10S, R23E
 S.L.B.&M., UTAH COUNTY, UTAH

609
 CONSULTING, LLC
 371 Coffeen Avenue
 Sheridan, WY 82801
 Phone (307) 674-0609
 Fax (307) 674-0182



Proposed Pipeline Length From Tie-In Point To Edge Of Pad: ±335ft
 Proposed Pipeline Length From Edge Of Pad To Meter House: ±625ft

| | | |
|-------------------|-------------------|--------------------------------------|
| Scale: 1" = 500ft | NAD83 USP Central | Sheet No: 17A 17A of 19 |
| Drawn: JELo | Date: 12 Feb 2010 | |
| Revised: | Date: | |



BONANZA 1023-18L2S
BONANZA 1023-18L3S
BONANZA 1023-18M2AS
BONANZA 1023-18M2DS
BONANZA 1023-18N2DS
BONANZA 1023-18N2AS
BONANZA 1023-18K3BS
BONANZA 1023-18K3AS

| Proposed Well | Distance To Nearest Lease Boundary | Proposed Well | Distance To Nearest Lease Boundary |
|---------------------|------------------------------------|---------------------|------------------------------------|
| BONANZA 1023-18L2S | 425ft | BONANZA 1023-18N2DS | 740ft |
| BONANZA 1023-18L3S | 545ft | BONANZA 1023-18N2AS | 1,190ft |
| BONANZA 1023-18M2AS | 530ft | BONANZA 1023-18K3BS | 1,575ft |
| BONANZA 1023-18M2DS | 570ft | BONANZA 1023-18K3AS | 1,840ft |

Legend

- Well - Proposed
- Bottom Hole - Proposed
- Well Path
- Well Pad
- ▭ Lease Boundary
- Pipeline - Proposed
- Pipeline - To Be Upgraded
- Pipeline - Existing
- Road - Proposed
- Road - Existing
- Bureau of Land Management
- Indian Reservation
- State
- Private

Kerr-McGee Oil & Gas Onshore, LP
 1099 18th Street, Denver, Colorado 80202

WELL PAD - BONANZA 1023-18E2

BONANZA 1023-18L2S, BONANZA 1023-18L3S,
 BONANZA 1023-18M2AS, BONANZA 1023-18M2DS,
 BONANZA 1023-18N2DS, BONANZA 1023-18N2AS,
 BONANZA 1023-18K3BS & BONANZA 1023-18K3AS
 TOPO E

LOCATED IN SECTION 18, T10S, R23E
 S.L.B.&M., UTAH COUNTY, UTAH

609
CONSULTING, LLC
 371 Coffeen Avenue
 Sheridan, WY 82801
 Phone (307) 674-0609
 Fax (307) 674-0182



| | | |
|---------------------|-------------------|--------------------|
| Scale: 1" = 2,000ft | NAD83 USP Central | Sheet No: |
| Drawn: JELo | Date: 12 Feb 2010 | 18 18 of 19 |
| Revised: | Date: | |

**Kerr-McGee Oil & Gas Onshore, LP
WELL PAD – BONANZA 1023-18E2
WELLS – BONANZA 1023-18L2S, BONANZA 1023-18L3S,
BONANZA 1023-18M2AS, BONANZA 1023-18M2DS,
BONANZA 1023-18N2DS, BONANZA 1023-18N2AS,
BONANZA 1023-18K3BS & BONANZA 1023-18K3AS
Section 18, T10S, R23E, S.L.B.&M.**

PROCEED IN A WESTERLY DIRECTION FROM VERNAL, UTAH ALONG U.S. HIGHWAY 40 APPROXIMATELY 13.9 MILES TO THE JUNCTION OF STATE HIGHWAY 88. EXIT LEFT AND PROCEED IN A SOUTHERLY DIRECTION ALONG STATE HIGHWAY 88 APPROXIMATELY 16.8 MILES TO OURAY, UTAH. FROM OURAY, PROCEED IN A SOUTHERLY DIRECTION ALONG THE SEEP RIDGE ROAD (COUNTY B ROAD 2810) APPROXIMATELY 11.2 MILES TO THE INTERSECTION OF THE GLEN BENCH ROAD (COUNTY B ROAD 3260). EXIT LEFT AND PROCEED IN AN EASTERLY, THEN SOUTHEASTERLY, THEN NORTHEASTERLY DIRECTION ALONG THE GLEN BENCH ROAD APPROXIMATELY 14.6 MILES TO THE INTERSECTION OF THE CHAPETA WELLS ROAD (COUNTY B ROAD 3410) WHICH ROAD INTERSECTION IS APPROXIMATELY 400 FEET NORTHEAST OF THE MOUNTAIN FUEL BRIDGE, AT THE WHITE RIVER. EXIT RIGHT AND PROCEED IN A SOUTHEASTERLY DIRECTION APPROXIMATELY 4.3 MILES ALONG THE CHAPETA WELLS ROAD TO THE INTERSECTION OF THE ATCHEE WASH ROAD (COUNTY B ROAD 4240). EXIT RIGHT AND PROCEED IN A SOUTHEASTERLY, THEN SOUTHERLY, THEN SOUTHEASTERLY DIRECTION ALONG THE ATCHEE WASH ROAD APPROXIMATELY 6.7 MILES TO A CLASS D COUNTY ROAD TO THE SOUTHWEST. EXIT RIGHT AND PROCEED IN A SOUTHWESTERLY DIRECTION ALONG THE CLASS D COUNTY ROAD APPROXIMATELY 0.4 MILES TO A SECOND CLASS D COUNTY ROAD TO THE WEST. EXIT RIGHT AND PROCEED IN A WESTERLY DIRECTION ALONG THE SECOND CLASS D COUNTY ROAD APPROXIMATELY 0.4 MILES TO THE EXISTING ACCESS ROAD. EXIT RIGHT AND PROCEED IN A NORTHERLY DIRECTION ALONG THE ACCESS ROAD APPROXIMATELY 0.1 MILES TO THE BONANZA 1023-18E2 WELL PAD.

TOTAL DISTANCE FROM VERNAL, UTAH TO THE PROPOSED WELL LOCATION IS APPROXIMATELY 68.4 MILES IN A SOUTHERLY DIRECTION.

| | |
|--|---|
| STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING | FORM 9 5. LEASE DESIGNATION AND SERIAL NUMBER: UTU 38421 |
| SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals. | 6. IF INDIAN, ALLOTTEE OR TRIBE NAME: 7. UNIT or CA AGREEMENT NAME: |
| 1. TYPE OF WELL Gas Well | 8. WELL NAME and NUMBER: Bonanza 1023-18L2S |
| 2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P. | 9. API NUMBER: 43047505200000 |
| 3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779 | PHONE NUMBER: 720 929-6007 Ext |
| 4. LOCATION OF WELL FOOTAGES AT SURFACE: 2508 FNL 0856 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWNW Section: 18 Township: 10.0S Range: 23.0E Meridian: S | 9. FIELD and POOL or WILDCAT: NATURAL BUTTES COUNTY: UINTAH STATE: 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 Approximate date work will start: 7/16/2010 | <input type="checkbox"/> ACIDIZE | <input type="checkbox"/> ALTER CASING | <input type="checkbox"/> CASING REPAIR |
| <input type="checkbox"/> SUBSEQUENT REPORT 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 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 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: _____ |

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

Kerr-McGee Oil & Gas Onshore, L.P. (Kerr-McGee) respectfully requests an extension to this APD for the maximum time allowed. Please contact the undersigned with any questions and/or comments. Thank you.

Approved by the Utah Division of Oil, Gas and Mining

Date: July 22, 2010

By:

| | | |
|--|-------------------------------------|------------------------------------|
| NAME (PLEASE PRINT) Danielle Piernot | PHONE NUMBER 720 929-6156 | TITLE Regulatory Analyst |
| SIGNATURE N/A | DATE 7/14/2010 | |



The Utah Division of Oil, Gas, and Mining

- State of Utah
- Department of Natural Resources

Electronic Permitting System - Sundry Notices

Request for Permit Extension Validation Well Number 43047505200000

API: 43047505200000

Well Name: Bonanza 1023-18L2S

Location: 2508 FNL 0856 FWL QTR SWNW SEC 18 TWP 100S RNG 230E MER S

Company Permit Issued to: KERR-MCGEE OIL & GAS ONSHORE, L.P.

Date Original Permit Issued: 7/16/2009

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

- If located on private land, has the ownership changed, if so, has the surface agreement been updated? Yes No

- Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location? Yes No

- Has there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well? Yes No

- Have there been any changes to the access route including ownership, or rightof- way, which could affect the proposed location? Yes No

- Has the approved source of water for drilling changed? Yes No

- Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation? Yes No

- Is bonding still in place, which covers this proposed well? Yes No

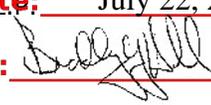
**Approved by the
Utah Division of
Oil, Gas and Mining**

Signature: Danielle Piernot

Date: 7/14/2010

Title: Regulatory Analyst **Representing:** KERR-MCGEE OIL & GAS ONSHORE, L.P.

Date: July 22, 2010

By: 

RECEIVED July 14, 2010

| STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING | | FORM 9 |
|---|--|---|
| SUNDRY NOTICES AND REPORTS ON WELLS | | 5. LEASE DESIGNATION AND SERIAL NUMBER: UTU 38421 |
| Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals. | | 6. IF INDIAN, ALLOTTEE OR TRIBE NAME: |
| | | 7. UNIT or CA AGREEMENT NAME: |
| 1. TYPE OF WELL Gas Well | 8. WELL NAME and NUMBER: BONANZA 1023-18L2S | |
| 2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P. | 9. API NUMBER: 43047505200000 | |
| 3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779 | PHONE NUMBER: 720 929-6515 Ext | 9. FIELD and POOL or WILDCAT: NATURAL BUTTES |
| 4. LOCATION OF WELL FOOTAGES AT SURFACE: 2508 FNL 0856 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWNW Section: 18 Township: 10.0S Range: 23.0E Meridian: S | COUNTY: UINTAH | |
| | | STATE: UTAH |
| 11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA | | |
| TYPE OF SUBMISSION | TYPE OF ACTION | |
| <input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 7/16/2011 <input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: <input type="checkbox"/> SPUD REPORT Date of Spud: <input type="checkbox"/> DRILLING REPORT Report Date: | <input type="checkbox"/> ACIDIZE <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> CONVERT WELL TYPE <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: 50px;" type="text"/> | |
| 12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. | | |
| <p>Kerr-McGee Oil & Gas Onshore, L.P. (Kerr-McGee) respectfully requests an extension to this APD for the maximum time allowed. Please contact the undersigned with any questions and/or comments. Thank you.</p> <div style="text-align: right; margin-top: 20px;"> <p>Approved by the Utah Division of Oil, Gas and Mining</p> <p>Date: <u>06/20/2011</u></p> <p>By: </p> </div> | | |
| NAME (PLEASE PRINT) Gina Becker | PHONE NUMBER 720 929-6086 | TITLE Regulatory Analyst II |
| SIGNATURE N/A | DATE 6/14/2011 | |



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 43047505200000

API: 43047505200000

Well Name: BONANZA 1023-18L2S

Location: 2508 FNL 0856 FWL QTR SWNW SEC 18 TWNP 100S RNG 230E MER S

Company Permit Issued to: KERR-MCGEE OIL & GAS ONSHORE, L.P.

Date Original Permit Issued: 7/16/2009

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: Gina Becker

Date: 6/14/2011

Title: Regulatory Analyst II **Representing:** KERR-MCGEE OIL & GAS ONSHORE, L.P.

| | | |
|--|--|--|
| STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING | | FORM 9 5. LEASE DESIGNATION AND SERIAL NUMBER: UTU 38421 |
| SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals. | | 6. IF INDIAN, ALLOTTEE OR TRIBE NAME: 7. UNIT or CA AGREEMENT NAME: |
| 1. TYPE OF WELL Gas Well | 8. WELL NAME and NUMBER: BONANZA 1023-18L2S | |
| 2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P. | 9. API NUMBER: 43047505200000 | |
| 3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779 | PHONE NUMBER: 720 929-6515 Ext | 9. FIELD and POOL or WILDCAT: NATURAL BUTTES |
| 4. LOCATION OF WELL FOOTAGES AT SURFACE: 2508 FNL 0856 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWNW Section: 18 Township: 10.0S Range: 23.0E Meridian: S | COUNTY: UINTAH STATE: UTAH | |
| 11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA | | |
| TYPE OF SUBMISSION | TYPE OF ACTION | |
| <input type="checkbox"/> NOTICE OF INTENT Approximate date work will start: <input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: <input checked="" type="checkbox"/> SPUD REPORT Date of Spud: 7/8/2011 <input type="checkbox"/> DRILLING REPORT Report Date: | <input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER | |
| 12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. MIRU PETE MARTIN BUCKET RIG. DRILLED 20" CONDUCTOR HOLE TO 40'. RAN 14" 36.7# SCHEUDLE 10 PIPE. CMT W/28 SX READY MIX. SPUD WELL ON 07/08/2011 AT 1100 HRS. | | |
| Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY | | |
| NAME (PLEASE PRINT) Sheila Wopsock | PHONE NUMBER 435 781-7024 | TITLE Regulatory Analyst |
| SIGNATURE N/A | DATE 7/8/2011 | |

BLM - Vernal Field Office - Notification Form

Operator KERR-McGEE OIL & GAS Rig Name/# BUCKET RIG
Submitted By SHEILA WOPSOCK Phone Number 435.781.7024
Well Name/Number BONANZA 1023-18L2S
Qtr/Qtr SW/NW Section 18 Township 10S Range 24E 73E
Lease Serial Number UTU-38421
API Number 4304750520

Spud Notice – Spud is the initial spudding of the well, not drilling out below a casing string.

Date/Time 07/05/2011 1400 HRS AM PM

Casing – Please report time casing run starts, not cementing times.

- Surface Casing
- Intermediate Casing
- Production Casing
- Liner
- Other

RECEIVED

JUN 30 2011

OIL GAS & MINING

Date/Time 08/03/2011 0800 HRS AM PM

BOPE

- Initial BOPE test at surface casing point
- BOPE test at intermediate casing point
- 30 day BOPE test
- Other

Date/Time _____ AM PM

Remarks ESTIMATED DATE AND TIME. PLEASE CONTACT KENNY GATHINGS AT 435.781.7048 FOR MORE

ENTITY ACTION FORM

Operator: KERR MCGEE OIL & GAS ONSHORE LP Operator Account Number: N 2995
 Address: 1368 SOUTH 1200 EAST
city VERNAL
state UT zip 84078 Phone Number: (435) 781-7024

Well 1

| API Number | Well Name | | QQ | Sec | Twp | Rng | County |
|---|-----------------------|-------------------|-----------|-----|----------------------------------|-----|--------|
| 4304750521 | BONANZA 1023-18L3S | | SWNW | 18 | 10S | 23E | UINTAH |
| Action Code | Current Entity Number | New Entity Number | Spud Date | | Entity Assignment Effective Date | | |
| A | 99999 | 18110 | 7/8/2011 | | 7/20/11 | | |
| Comments: MIRU PETE MARTIN BUCKET RIG. <i>WSTMVD</i> SPUD WELL LOCATION ON 07/08/2011 AT 0800 HRS. <i>BHL = NWSW</i> | | | | | | | |

Well 2

| API Number | Well Name | | QQ | Sec | Twp | Rng | County |
|---|-----------------------|-------------------|-----------|-----|----------------------------------|-----|--------|
| 4304750520 | BONANZA 1023-18L2S | | SWNW | 18 | 10S | 23E | UINTAH |
| Action Code | Current Entity Number | New Entity Number | Spud Date | | Entity Assignment Effective Date | | |
| A | 99999 | 18111 | 7/8/2011 | | 7/20/11 | | |
| Comments: MIRU PETE MARTIN BUCKET RIG. <i>WSTMVD</i> SPUD WELL LOCATION ON 07/08/2011 AT 1100 HRS. <i>BHL = NWSW</i> | | | | | | | |

Well 3

| API Number | Well Name | | QQ | Sec | Twp | Rng | County |
|-------------|-----------------------|-------------------|-----------|-----|----------------------------------|-----|--------|
| | | | | | | | |
| Action Code | Current Entity Number | New Entity Number | Spud Date | | Entity Assignment Effective Date | | |
| | | | | | | | |
| Comments: | | | | | | | |

ACTION CODES:

- A - Establish new entity for new well (single well only)
- B - Add new well to existing entity (group or unit well)
- C - Re-assign well from one existing entity to another existing entity
- D - Re-assign well from one existing entity to a new entity
- E - Other (Explain in 'comments' section)

SHEILA WOPSOCK

Name (Please Print)

Sheila Wopsock

Signature

REGULATORY ANALYST

7/8/2011

Title

Date

RECEIVED

JUL 11 2011

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|--|--|----------------------------------|---------------------------------------|--|---|--|---|---|---|--|---------------------------------|---|---|--|---|------------------------------------|---|---|---|--|---|--|--|--|---|--|---|--|---|--------------------------------|---|
| STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING | | FORM 9 5. LEASE DESIGNATION AND SERIAL NUMBER: UTU 38421 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals. | | 6. IF INDIAN, ALLOTTEE OR TRIBE NAME: 7. UNIT or CA AGREEMENT NAME: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1. TYPE OF WELL Gas Well | 8. WELL NAME and NUMBER: BONANZA 1023-18L2S | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P. | 9. API NUMBER: 43047505200000 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779 | PHONE NUMBER: 720 929-6515 Ext | 9. FIELD and POOL or WILDCAT: NATURAL BUTTES | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4. LOCATION OF WELL FOOTAGES AT SURFACE: 2508 FNL 0856 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWNW Section: 18 Township: 10.0S Range: 23.0E Meridian: S | COUNTY: UINTAH STATE: UTAH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| TYPE OF SUBMISSION | TYPE OF ACTION | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <input type="checkbox"/> NOTICE OF INTENT Approximate date work will start: <input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: <input type="checkbox"/> SPUD REPORT Date of Spud: <input checked="" type="checkbox"/> DRILLING REPORT Report Date: 7/31/2011 | <table style="width: 100%; border: none;"> <tr> <td style="width: 33%; border: none;"><input type="checkbox"/> ACIDIZE</td> <td style="width: 33%; border: none;"><input type="checkbox"/> ALTER CASING</td> <td style="width: 33%; border: none;"><input type="checkbox"/> CASING REPAIR</td> </tr> <tr> <td style="border: none;"><input type="checkbox"/> CHANGE TO PREVIOUS PLANS</td> <td style="border: none;"><input type="checkbox"/> CHANGE TUBING</td> <td style="border: none;"><input type="checkbox"/> CHANGE WELL NAME</td> </tr> <tr> <td style="border: none;"><input type="checkbox"/> CHANGE WELL STATUS</td> <td style="border: none;"><input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS</td> <td style="border: none;"><input type="checkbox"/> CONVERT WELL TYPE</td> </tr> <tr> <td style="border: none;"><input type="checkbox"/> DEEPEN</td> <td style="border: none;"><input type="checkbox"/> FRACTURE TREAT</td> <td style="border: none;"><input type="checkbox"/> NEW CONSTRUCTION</td> </tr> <tr> <td style="border: none;"><input type="checkbox"/> OPERATOR CHANGE</td> <td style="border: none;"><input type="checkbox"/> PLUG AND ABANDON</td> <td style="border: none;"><input type="checkbox"/> PLUG BACK</td> </tr> <tr> <td style="border: none;"><input type="checkbox"/> PRODUCTION START OR RESUME</td> <td style="border: none;"><input type="checkbox"/> RECLAMATION OF WELL SITE</td> <td style="border: none;"><input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION</td> </tr> <tr> <td style="border: none;"><input type="checkbox"/> REPERFORATE CURRENT FORMATION</td> <td style="border: none;"><input type="checkbox"/> SIDETRACK TO REPAIR WELL</td> <td style="border: none;"><input type="checkbox"/> TEMPORARY ABANDON</td> </tr> <tr> <td style="border: none;"><input type="checkbox"/> TUBING REPAIR</td> <td style="border: none;"><input type="checkbox"/> VENT OR FLARE</td> <td style="border: none;"><input type="checkbox"/> WATER DISPOSAL</td> </tr> <tr> <td style="border: none;"><input type="checkbox"/> WATER SHUTOFF</td> <td style="border: none;"><input type="checkbox"/> SI TA STATUS EXTENSION</td> <td style="border: none;"><input type="checkbox"/> APD EXTENSION</td> </tr> <tr> <td style="border: none;"><input type="checkbox"/> WILDCAT WELL DETERMINATION</td> <td style="border: none;"><input type="checkbox"/> OTHER</td> <td style="border: none;">OTHER: <input style="width: 100px;" type="text"/></td> </tr> </table> | | <input type="checkbox"/> ACIDIZE | <input type="checkbox"/> ALTER CASING | <input type="checkbox"/> CASING REPAIR | <input type="checkbox"/> CHANGE TO PREVIOUS PLANS | <input type="checkbox"/> CHANGE TUBING | <input type="checkbox"/> CHANGE WELL NAME | <input type="checkbox"/> CHANGE WELL STATUS | <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS | <input type="checkbox"/> CONVERT WELL TYPE | <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 type="checkbox"/> APD EXTENSION | <input type="checkbox"/> WILDCAT WELL DETERMINATION | <input type="checkbox"/> OTHER | OTHER: <input style="width: 100px;" type="text"/> |
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| <input type="checkbox"/> CHANGE WELL STATUS | <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS | <input type="checkbox"/> CONVERT WELL TYPE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <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 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. MIRU AIR RIG ON JULY 29, 2011. DRILLED SURFACE HOLE TO 2160'. RAN SURFACE CASING AND CEMENTED. WELL IS WAITING ON ROTARY RIG. DETAILS OF CEMENT JOB WILL BE INCLUDED WITH WELL COMPLETION REPORT. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| NAME (PLEASE PRINT) Gina Becker | | PHONE NUMBER 720 929-6086 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SIGNATURE N/A | | TITLE Regulatory Analyst II DATE 8/1/2011 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| | |
|--|---|
| STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING | FORM 9 5. LEASE DESIGNATION AND SERIAL NUMBER: UTU 38421 |
| SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals. | 6. IF INDIAN, ALLOTTEE OR TRIBE NAME: 7. UNIT or CA AGREEMENT NAME: |
| 1. TYPE OF WELL Gas Well | 8. WELL NAME and NUMBER: BONANZA 1023-18L2S |
| 2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P. | 9. API NUMBER: 43047505200000 |
| 3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779 | PHONE NUMBER: 720 929-6515 Ext |
| 9. FIELD and POOL or WILDCAT: NATURAL BUTTES | 4. LOCATION OF WELL FOOTAGES AT SURFACE: 2508 FNL 0856 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWNW Section: 18 Township: 10.0S Range: 23.0E Meridian: S |
| | COUNTY: UINTAH STATE: UTAH |

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

| TYPE OF SUBMISSION | TYPE OF ACTION | | |
|--|--|---|--|
| <input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 10/10/2011 <input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: <input type="checkbox"/> SPUD REPORT Date of Spud: <input type="checkbox"/> DRILLING REPORT Report Date: | <input type="checkbox"/> ACIDIZE <input checked="" type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION | <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER | <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input style="width: 50px;" type="text"/> |

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

The operator requests changes to the production casing and the drilling program to allow for the use of a closed loop system. Please see attached drilling plan and explanation. Thank you.

Accepted by the Utah Division of Oil, Gas and Mining

Date: 10/12/2011

By: *Derek Quist*

| | | |
|---|-------------------------------------|------------------------------------|
| NAME (PLEASE PRINT) Jaime Scharnowske | PHONE NUMBER 720 929-6304 | TITLE Regulatory Analyst |
| SIGNATURE N/A | DATE 10/10/2011 | |

Kerr-McGee Oil & Gas Onshore. L.P.**BONANZA 1023-18L2S**

| | | |
|----------|--------------------|------|
| Surface: | 2508 FNL / 856 FWL | SWNW |
| BHL: | 2220 FSL / 425 FWL | NWSW |

Section 18 T10S R23E

Uintah County, Utah
Mineral Lease: UTU-38421

ONSHORE ORDER NO. 1**DRILLING PROGRAM**

1. & 2. **Estimated Tops of Important Geologic Markers:**
Estimated Depths of Anticipated Water, Oil, Gas, or Mineral Formations:

| <u>Formation</u> | <u>Depth</u> | <u>Resource</u> |
|------------------|--------------|-----------------|
| Uinta | 0 - Surface | |
| Green River | 0,826' | |
| Birds Nest | 1,289' | Water |
| Mahogany | 1,768' | Water |
| Wasatch | 3,994' | Gas |
| Mesaverde | 6,093' | Gas |
| MVU2 | 6,992' | Gas |
| MVL1 | 7,612' | Gas |
| TVD | 8,250' | |
| TD | 8,357' | |

3. **Pressure Control Equipment** (Schematic Attached)

Please refer to the attached Drilling Program

4. **Proposed Casing & Cementing Program:**

Please refer to the attached Drilling Program

5. **Drilling Fluids Program:**

Please refer to the attached Drilling Program

6. **Evaluation Program:**

Please refer to the attached Drilling Program

7. Abnormal Conditions:

Maximum anticipated bottom hole pressure calculated at 8250' TVD, approximately equals

$$\frac{5,033 \text{ psi}}{\text{Maximum Anticipated Bottom Hole Pressure (MABHP) = Pore Pressure at TD}} \quad (0.61 \text{ psi/ft} = \text{actual bottomhole gradient})$$

Maximum anticipated surface pressure equals approximately 3,239 psi (bottom hole pressure
 minus the pressure of a partially evacuated hole calculated at 0.22 psi/foot, per Onshore Order No. 2).

$$\text{Per Onshore Order No. 2 - Max Anticipated Surf. Press. (MASP) = (Pore Pressure at next csg point - (0.22 psi/ft-partial evac gradient} \times \text{TVD of next csg point))}$$

8. Anticipated Starting Dates:

Drilling is planned to commence immediately upon approval of this application.

9. Variances:

Please refer to the attached Drilling Program.
 Onshore Order #2 – Air Drilling Variance

Kerr-McGee Oil & Gas Onshore LP (KMG) respectfully requests a variance to several requirements associated with air drilling outlined in Onshore Order 2

- Blowout Prevention Equipment (BOPE) requirements;
- Mud program requirements; and
- Special drilling operation (surface equipment placement) requirements associated with air drilling.

This Standard Operating Practices addendum provides supporting information as to why KMG current air drilling practices for constructing the surface casing hole should be granted a variance to Onshore Order 2 air drilling requirements.

The reader should note that the air rig is used only to construct a stable surface casing hole through a historically difficult lost circulation zone. A conventional rotary rig follows the air rig, and is used to drill and construct the majority of the wellbore.

More notable, KMG has used the air rig layout and procedures outlined below to drill the surface casing hole in approximately 675 wells without incident of blow out or loss of life.

Background

In a typical well, KMG utilizes an air rig for drilling the surface casing hole, an interval from the surface to surface casing depths, which varies in depth from 1,700 to 2,800 feet. The air rig drilling operation does not drill through productive or over pressured formations in KMG field, but does penetrate the Uinta and Green River Formations. The purpose of the air drilling operation is to overcome the severe loss circulation zone in the Green River known as the Bird's Nest while creating a stable hole for the surface casing. The surface casing hole is generally drilled to approximately 500 feet below the Bird's Nest.

Before the surface air rig is mobilized, a rathole rig is utilized to set and cement conductor pipe through a competent surface formation. Generally, the conductor is set at 40 feet. In some cases, conductor may be set deeper in areas that the surface formation is not found competent. This rig also drills the rat and mouse holes in preparation for the surface casing and production string drilling operations.

The air rig is then mobilized to drill the surface casing hole by drilling a 12 1/4 inch hole for the first 200 feet, then will drill a 11 inch hole to just above the Bird's Nest interval with an air hammer. The hammer is then tripped and replaced with a 11 inch tri-cone bit. The tri-cone bit is used to drill to the surface casing point, approximately 500 feet below the loss circulation zone (Bird's Nest). The 8-5/8 inch surface casing is then run and cemented in place, thereby isolating the lost circulation zone.

KMG fully appreciates Onshore Order 2 well control and safety requirements associated with a typical air drilling operations. However, the requirements of Onshore Order 2 are excessive with respect to the air rig layout and drilling operation procedures that are currently in practice to drill and control the surface casing hole in KMG Fields.

Variance for BOPE Requirements

The air rig operation utilizes a properly lubricated and maintained air bowl diverter system which diverts the drilling returns to a six-inch blooie line. The air bowl is the only piece of BOPE equipment which is installed during drilling operations and is sufficient to contain the air returns associated with this drilling operation. As was discussed earlier, the drilling of the surface hole does not encounter any over pressured or productive zones, and as a result standard BOPE equipment should not be required. In addition, standard drilling practices do not support the use of BOPE on 40 feet of conductor pipe.

Variance for Mud Material Requirements

Onshore Order 2 also states that sufficient quantities of mud materials shall be maintained or readily accessible for the purpose of assuring adequate well control. Once again, the surface hole drilling operations does not encounter over pressured or productive intervals, and as a result there is not a need to control pressure in the surface hole with a mud system. Instead of mud, the air rigs utilize water from the reserve pit for well control, if necessary. A skid pump which is located near the reserve pit (see attachment) will supply the water to the well bore.

Variance for Special Drilling Operation (surface equipment placement) Requirements

Onshore Order 2 requires specific safety distances or setbacks for the placement of associated standard air drilling equipment, wellbore, and reserve pits. The air rigs used to drill the surface holes are not typical of an air rig used to drill a producing hole in other parts of the US. These are smaller in nature and designed to fit a KMG location. The typical air rig layout for drilling surface hole in the field is attached.

Typically the blooie line discharge point is required to be 100 feet from the well bore. In the case of a KMG well, the reserve pit is only 45 feet from the rig and is used for the drill cuttings. The blooie line, which transports the drill cuttings from the well to the reserve pit, subsequently discharges only 45 feet from the well bore.

Typically the air rig compressors are required to be located in the opposite direction from the blooie line and a minimum of 100 feet from the well bore. At the KMG locations, the air rig compressors are approximately 40 feet from the well bore and approximately 60 feet from the blooie line discharge due to the unique air rig design. The air compressors (see attachment) are located on the rig (1250 cfm) and

on a standby trailer (1170 cfm). A booster sits between the two compressors and boosts the output from 350 psi to 2000 psi. The design does put the booster and standby compressor opposite from the blooie line.

Lastly, Onshore Order 2 addresses the need for an automatic igniter or continuous pilot light on the blooie line. The air rig does not utilize an igniter as the surface hole drilling operation does not encounter productive formations.

Variance for FIT Requirements

KMG also respectfully requests a variance to Onshore Order 2, Section III, Part Bi, for the pressure integrity test (PIT, also known as a formation integrity test (FIT)). This well is not an exploratory well and is being drilled in an area where the formation integrity is well known. Additionally, when an FIT is run with the mud weight as required, the casing shoe frequently breaks down and causes subsequent lost circulation when drilling the entire depth of the well.

Conclusion

The air rig operating procedures and the attached air rig layout have effectively maintained well control while drilling the surface holes in KMG Fields. KMG respectfully requests a variance from Onshore Order 2 with respect to air drilling well control requirements as discussed above.

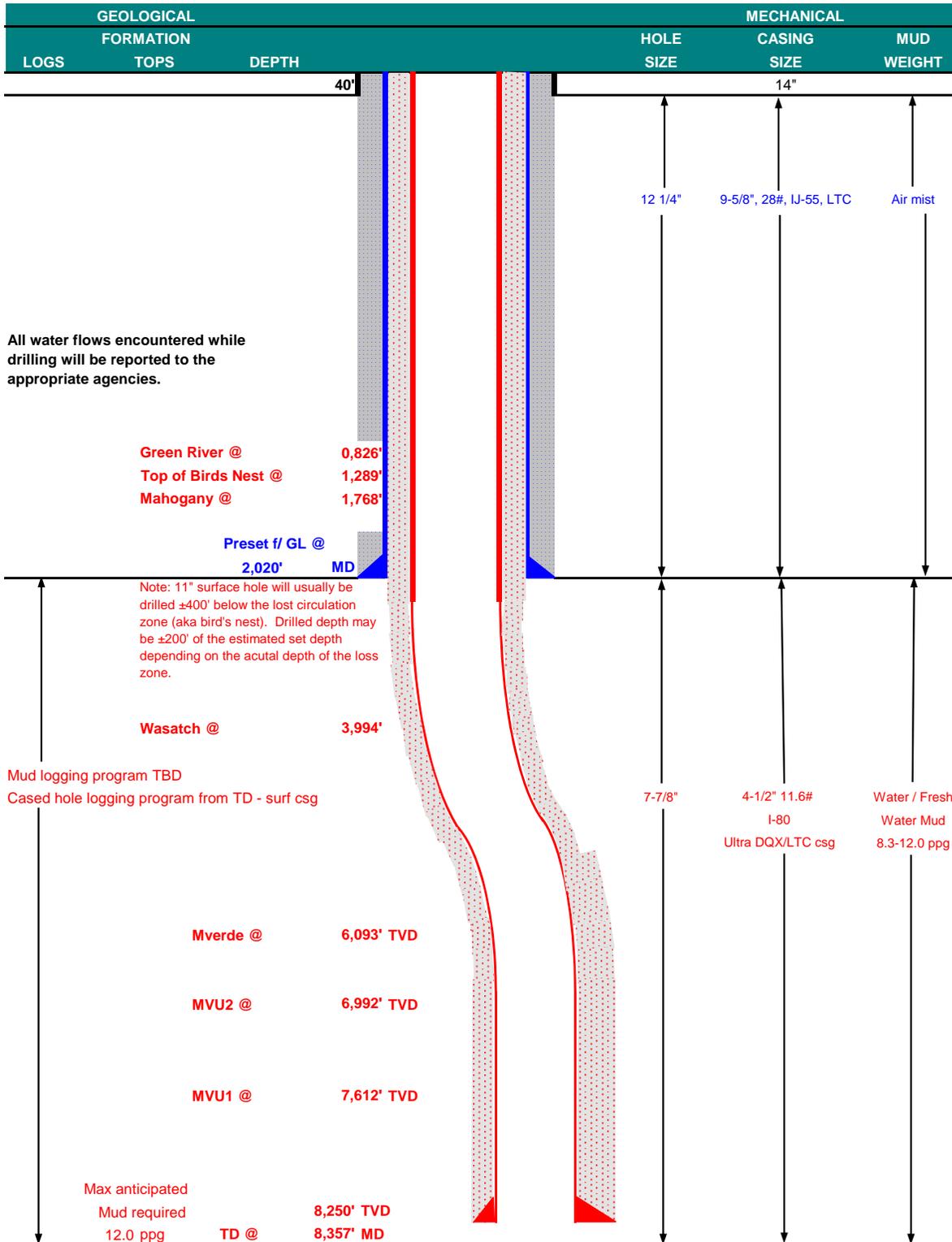
10. Other Information:

Please refer to the attached Drilling Program.



KERR-McGEE OIL & GAS ONSHORE LP DRILLING PROGRAM

| | | | | | |
|-------------------|---|------------------------|---------|------------------|-------------|
| COMPANY NAME | KERR-McGEE OIL & GAS ONSHORE LP | | DATE | October 10, 2011 | |
| WELL NAME | BONANZA 1023-18L2S | | TD | 8,250' TVD | 8,357' MD |
| FIELD | Natural Buttes | COUNTY | Uintah | STATE | Utah |
| SURFACE LOCATION | SWNW | 2508 FNL | 856 FWL | Sec 18 T 10S | R 23E Lot 2 |
| | Latitude: 39.949316 | Longitude: -109.375834 | | NAD 83 | |
| BTM HOLE LOCATION | NWSW | 2220 FSL | 425 FWL | Sec 18 T 10S | R 23E Lot 3 |
| | Latitude: 39.947738 | Longitude: -109.377374 | | NAD 83 | |
| OBJECTIVE ZONE(S) | Wasatch/Mesaverde | | | | |
| ADDITIONAL INFO | Regulatory Agencies: BLM (Minerals), BLM (Surface), UDOGM Tri-County Health Dept. | | | | |





KERR-McGEE OIL & GAS ONSHORE LP
DRILLING PROGRAM

CASING PROGRAM

| | SIZE | INTERVAL | WT. | GR. | CPLG. | DESIGN FACTORS | | | |
|------------|--------|------------|-------|-------|-------|----------------|----------|---------|---------|
| | | | | | | BURST | LTC | | DQX |
| | | | | | | | COLLAPSE | TENSION | |
| CONDUCTOR | 14" | 0-40' | | | | | | | |
| SURFACE | 9-5/8" | 0 to 2,020 | 36.00 | IJ-55 | LTC | 3,520 | 2,020 | 453,000 | N/A |
| | | | | | | 7,780 | 6,350 | 223,000 | 267,035 |
| PRODUCTION | 4-1/2" | 0 to 5,000 | 11.60 | I-80 | DQX | 1.11 | 1.23 | | 3.37 |
| | | | | | | 1.11 | 1.23 | 7.01 | |

Surface Casing:

(Burst Assumptions: TD = 12.0 ppg) 0.73 psi/ft = frac gradient @ surface shoe
 Fracture at surface shoe with 0.1 psi/ft gas gradient above
 (Collapse Assumption: Fully Evacuated Casing, Max MW) (Tension Assumptions: Air Weight of Casing*Buoy.Fact. of water)

Production casing:

(Burst Assumptions: Pressure test with 8.4ppg @ 7000 psi) 0.61 psi/ft = bottomhole gradient
 (Collapse Assumption: Fully Evacuated Casing, Max MW) (Tension Assumptions: Air Weight of Casing*Buoy.Fact. of water)

CEMENT PROGRAM

| | | FT. OF FILL | DESCRIPTION | SACKS | EXCESS | WEIGHT | YIELD |
|---|----------------------|-------------|--|---------|--------|--------|-------|
| SURFACE Option 1 | LEAD | 500' | Premium cmt + 2% CaCl + 0.25 pps flocele | 290 | 60% | 15.80 | 1.15 |
| | TOP OUT CMT (6 jobs) | 1,200' | 20 gals sodium silicate + Premium cmt + 2% CaCl + 0.25 pps flocele | 430 | 0% | 15.80 | 1.15 |
| NOTE: If well will circulate water to surface, option 2 will be utilized | | | | | | | |
| SURFACE Option 2 | LEAD | 1,520' | 65/35 Poz + 6% Gel + 10 pps gilsonite + 0.25 pps Flocele + 3% salt BWOW | 230 | 35% | 11.00 | 3.82 |
| | TAIL | 500' | Premium cmt + 2% CaCl + 0.25 pps flocele | 250 | 35% | 15.80 | 1.15 |
| | TOP OUT CMT | as required | Premium cmt + 2% CaCl | as req. | | 15.80 | 1.15 |
| PRODUCTION | LEAD | 3,487' | Premium Lite II +0.25 pps celloflake + 5 pps gilsonite + 10% gel + 0.5% extender | 280 | 35% | 11.00 | 3.38 |
| | TAIL | 4,870' | 50/50 Poz/G + 10% salt + 2% gel + 0.1% R-3 | 1,150 | 35% | 14.30 | 1.31 |

*Substitute caliper hole volume plus 0% excess for LEAD if accurate caliper is obtained
 *Substitute caliper hole volume plus 10% excess for TAIL if accurate caliper is obtained

FLOAT EQUIPMENT & CENTRALIZERS

| | |
|------------|--|
| SURFACE | Guide shoe, 1 jt, insert float. Centralize first 3 joints with bow spring centralizers. Thread lock guide shoe |
| PRODUCTION | Float shoe, 1 jt, float collar. No centralizers will be used. |

ADDITIONAL INFORMATION

Test casing head to 750 psi after installing. Test surface casing to 1,500 psi prior to drilling out.

BOPE: 11" 5M with one annular and 2 rams. The BOPE will be installed before the production hole is drilled and tested to 5,000 psi (annular to 2,500 psi) prior to drilling out the surface casing shoe. Record on chart recorder and tour sheet. Function test rams on each trip. Maintain safety valve and inside BOP on rig floor at all times. Most rigs have top drives; however, if used, the Kelly is to be equipped with upper and lower kelly valves.

Surveys will be taken at 1,000' minimum intervals.

Most rigs have PVT System for mud monitoring. If no PVT is available, visual monitoring will be utilized.

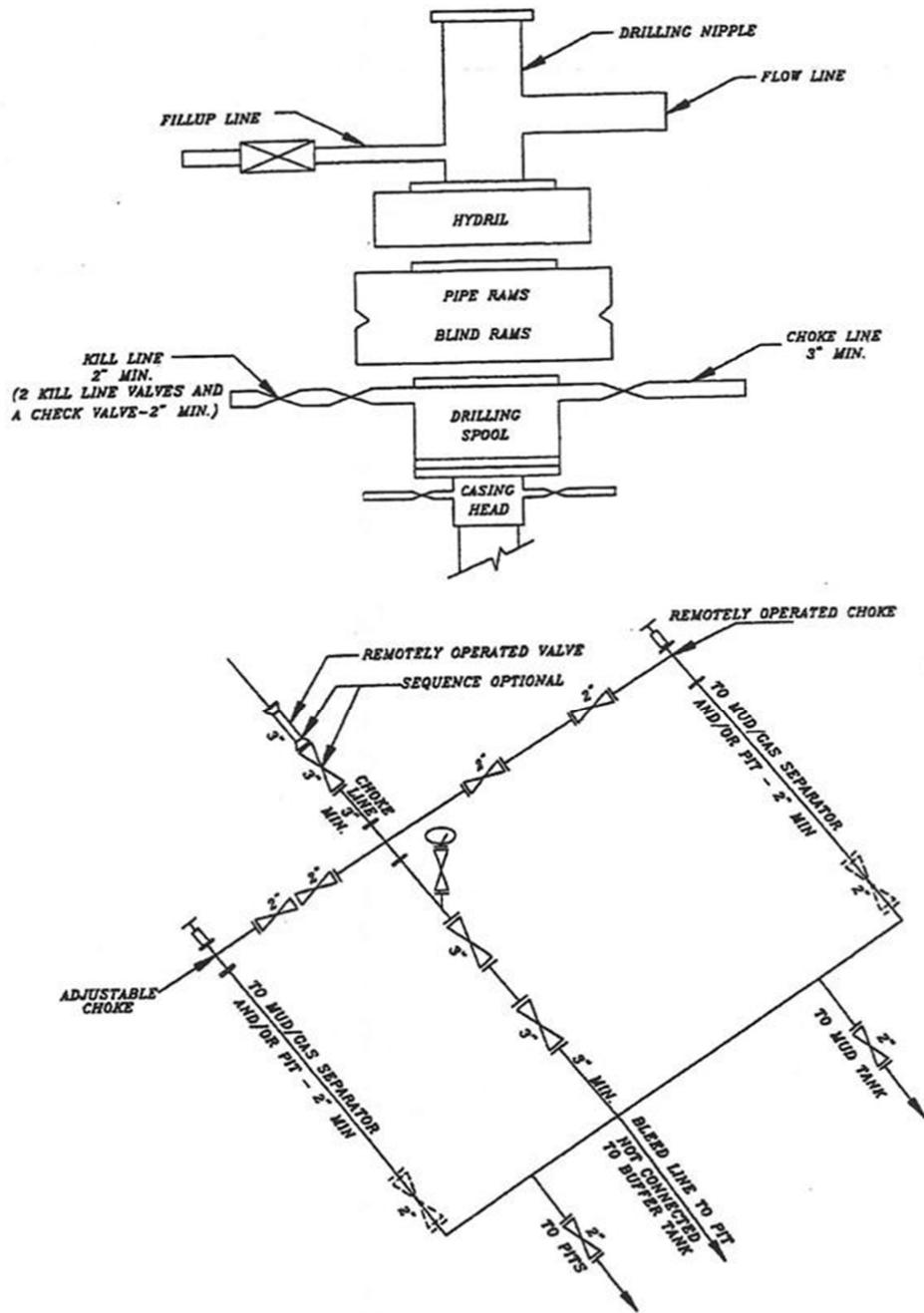
DRILLING ENGINEER: _____
 Chad Loesel / Danny Showers

DATE: _____

DRILLING SUPERINTENDENT: _____
 Kenny Gathings / Lovel Young

DATE: _____

EXHIBIT A BONANZA 1023-18L2S



SCHEMATIC DIAGRAM OF 5,000 PSI BOP STACK

Requested Drilling Options:

Kerr-McGee will use either a closed loop drilling system that will require one pit and one cuttings storage area to be constructed on the drilling pad or a traditional drilling operation with one pit used for drilling and completion operations. The cuttings storage area will be used to contain only the de-watered drill cuttings and will be lined and bermed to prevent any liquid runoff. The drill cuttings will be buried in the completion pit once completion operations are completed according to traditional pit closure standards. The pit will be constructed to allow for completion operations. The completion operations pit will be lined with a synthetic material 20 mil or thicker and will be used for the completing of the wells on the pad or used as part of our Aandarko Completions Transportation System (ACTS). Using the closed loop drilling system will allow Kerr-McGee to decrease the amount of disturbance/footprint on location compared to a single large drilling/completions pit.

If Kerr-McGee does not use a closed loop drilling system, it will construct a traditional drilling/completions pit to contain drill cuttings and for use in completion operations. The pit will be lined with a synthetic material 20 mil or thicker. The drill cuttings will be buried in the pit using traditional pit closure standards.

| | | |
|---|--|---|
| STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING | | FORM 9 |
| SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals. | | 5. LEASE DESIGNATION AND SERIAL NUMBER: UTU 38421 |
| 1. TYPE OF WELL Gas Well | | 6. IF INDIAN, ALLOTTEE OR TRIBE NAME: 7. UNIT or CA AGREEMENT NAME: |
| 2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P. | | 8. WELL NAME and NUMBER: BONANZA 1023-18L2S |
| 3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779 | | 9. API NUMBER: 43047505200000 |
| 4. LOCATION OF WELL FOOTAGES AT SURFACE: 2508 FNL 0856 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWNW Section: 18 Township: 10.0S Range: 23.0E Meridian: S | | 9. FIELD and POOL or WILDCAT: NATURAL BUTTES COUNTY: UINTAH STATE: UTAH |
| 11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA | | |
| TYPE OF SUBMISSION | TYPE OF ACTION | |
| <input type="checkbox"/> NOTICE OF INTENT Approximate date work will start: | <input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION | |
| <input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 11/24/2011 | <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input checked="" type="checkbox"/> OTHER | |
| <input type="checkbox"/> SPUD REPORT Date of Spud: | <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION | |
| <input type="checkbox"/> DRILLING REPORT Report Date: | OTHER: RIG REL. - ACTS PIT | |
| 12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. MIRU ROTARY RIG. FINISHED DRILLING FROM 2160' TO 8420' ON NOV. 23, 2011. RAN 4-1/2" 11.6# I-80 PRODUCTION CASING. CEMENTED PRODUCTION CASING. RELEASED ENSIGN RIG 146 ON NOV. 24, 2011 @ 06:00 HRS. DETAILS OF CEMENT JOB WILL BE INCLUDED WITH THE WELL COMPLETION REPORT. WELL IS WAITING ON FINAL COMPLETION ACTIVITIES. THE PIT ON THIS LOCATION WILL BE REFURBISHED AND UTILIZED AS PART OF THE ACTS SYSTEM. | | |
| NAME (PLEASE PRINT) Jaime Scharnowske | | PHONE NUMBER 720 929-6304 |
| SIGNATURE N/A | | TITLE Regularatory Analyst |
| | | DATE 11/28/2011 |

| STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING | | FORM 9 | |
|---|---|---|---|
| SUNDRY NOTICES AND REPORTS ON WELLS | | 5. LEASE DESIGNATION AND SERIAL NUMBER: UTU 38421 | |
| Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals. | | 6. IF INDIAN, ALLOTTEE OR TRIBE NAME: | |
| | | 7. UNIT or CA AGREEMENT NAME: | |
| 1. TYPE OF WELL Gas Well | 8. WELL NAME and NUMBER: BONANZA 1023-18L2S | | |
| 2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P. | 9. API NUMBER: 43047505200000 | | |
| 3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779 | PHONE NUMBER: 720 929-6511 | 9. FIELD and POOL or WILDCAT: NATURAL BUTTES | |
| 4. LOCATION OF WELL FOOTAGES AT SURFACE: 2508 FNL 0856 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWNW Section: 18 Township: 10.0S Range: 23.0E Meridian: S | COUNTY: UINTAH | | |
| | STATE: UTAH | | |
| 11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA | | | |
| TYPE OF SUBMISSION | TYPE OF ACTION | | |
| <input type="checkbox"/> NOTICE OF INTENT Approximate date work will start: <input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: <input type="checkbox"/> SPUD REPORT Date of Spud: <input checked="" type="checkbox"/> DRILLING REPORT Report Date: 1/25/2012 | <input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input checked="" type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER | | <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input style="width: 100px;" type="text"/> |
| 12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. | | | |
| <p>THE SUBJECT WELL WAS PLACED ON PRODUCTION ON 01/25/2012 AT 1400 HRS. THE CHRONOLOGICAL WELL HISTORY WILL BE SUBMITTED WITH THE WELL COMPLETION REPORT.</p> | | | |
| <p>Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY January 26, 2012</p> | | | |
| NAME (PLEASE PRINT) Sheila Wopsock | PHONE NUMBER 435 781-7024 | TITLE Regulatory Analyst | |
| SIGNATURE N/A | DATE 1/26/2012 | | |

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0137
Expires: July 31, 2010

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No.
UTU38421

1a. Type of Well Oil Well Gas Well Dry Other
 b. Type of Completion New Well Work Over Deepen Plug Back Diff. Resvr.
 Other _____

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and No.

2. Name of Operator **KERR MCGEE OIL & GAS ONSHORE** Contact: JAIME L. SCHARNOWSKE
 Mail: JAIME.SCHARNOWSKE@ANADARKO.COM

8. Lease Name and Well No.
BONANZA 1023-18L2S

3. Address **PO BOX 173779 DENVER, CO 80217** 3a. Phone No. (include area code)
 Ph: 720-929-6304

9. API Well No.
43-047-50520

4. Location of Well (Report location clearly and in accordance with Federal requirements)*
 At surface **SWNW Lot 2 2508FNL 856FWL 39.949316 N Lat, 109.375835 W Lon**
 At top prod interval reported below **NWSW 2211FSL 416FWL**
 At total depth **NWSW Lot 3 2215FSL 401FWL**

10. Field and Pool, or Exploratory
NATURAL BUTTES

11. Sec., T., R., M., or Block and Survey
or Area **Sec 18 T10S R23E Mer SLB**

12. County or Parish **UINTAH** 13. State **UT**

14. Date Spudded **07/08/2011** 15. Date T.D. Reached **11/23/2011** 16. Date Completed
 D & A Ready to Prod. **01/25/2012**

17. Elevations (DF, KB, RT, GL)*
5315 GL

18. Total Depth: MD **8420** TVD **8318** 19. Plug Back T.D.: MD **8363** TVD **8261** 20. Depth Bridge Plug Set: MD **MD** TVD **TVD**

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)
CBL/CM/GR/CCL-RSL/SM/GR/CCL 22. Was well cored? No Yes (Submit analysis)
 Was DST run? No Yes (Submit analysis)
 Directional Survey? No Yes (Submit analysis)

23. Casing and Liner Record (Report all strings set in well)

| Hole Size | Size/Grade | Wt. (#/ft.) | Top (MD) | Bottom (MD) | Stage Cementer Depth | No. of Sks. & Type of Cement | Slurry Vol. (BBL) | Cement Top* | Amount Pulled |
|-----------|------------|-------------|----------|-------------|----------------------|------------------------------|-------------------|-------------|---------------|
| 20.000 | 14.000 STL | 36.7 | 0 | 40 | | 28 | | | |
| 12.250 | 9.625 J-55 | 36.0 | 0 | 2128 | | 685 | | 0 | |
| 7.875 | 4.500 I-80 | 11.6 | 0 | 8406 | | 1378 | | 3050 | |

24. Tubing Record

| Size | Depth Set (MD) | Packer Depth (MD) | Size | Depth Set (MD) | Packer Depth (MD) | Size | Depth Set (MD) | Packer Depth (MD) |
|-------|----------------|-------------------|------|----------------|-------------------|------|----------------|-------------------|
| 2.375 | 7630 | | | | | | | |

25. Producing Intervals 26. Perforation Record

| Formation | Top | Bottom | Perforated Interval | Size | No. Holes | Perf. Status |
|--------------|------|--------|---------------------|-------|-----------|--------------|
| A) WASATCH | 5543 | 5886 | 5543 TO 5886 | 0.360 | 48 | OPEN |
| B) MESAVERDE | 6778 | 8041 | 6778 TO 8041 | 0.360 | 144 | OPEN |
| C) | | | | | | |
| D) | | | | | | |

27. Acid, Fracture, Treatment, Cement Squeeze, Etc.

| Depth Interval | Amount and Type of Material |
|----------------|---|
| 5543 TO 8041 | PUMP 9,930 BBLs SLICK H2O & 216,418 LBS 30/50 OTTAWA SAND |

28. Production - Interval A

| Date First Produced | Test Date | Hours Tested | Test Production | Oil BBL | Gas MCF | Water BBL | Oil Gravity Corr. API | Gas Gravity | Production Method |
|---------------------|----------------------|--------------|-----------------|---------|---------|-----------|-----------------------|-------------|-------------------|
| 01/25/2012 | 02/08/2012 | 24 | → | 0.0 | 2197.0 | 280.0 | | | FLOWS FROM WELL |
| Choke Size | Tbg. Press. Flwg. SI | Csg. Press. | 24 Hr. Rate | Oil BBL | Gas MCF | Water BBL | Gas:Oil Ratio | Well Status | |
| 20/64 | 1011 | 1852.0 | → | 0 | 2197 | 280 | | PGW | |

28a. Production - Interval B

| Date First Produced | Test Date | Hours Tested | Test Production | Oil BBL | Gas MCF | Water BBL | Oil Gravity Corr. API | Gas Gravity | Production Method |
|---------------------|----------------------|--------------|-----------------|---------|---------|-----------|-----------------------|-------------|-------------------|
| | | | → | | | | | | |
| Choke Size | Tbg. Press. Flwg. SI | Csg. Press. | 24 Hr. Rate | Oil BBL | Gas MCF | Water BBL | Gas:Oil Ratio | Well Status | |
| | | | → | | | | | | |

(See Instructions and spaces for additional data on reverse side)
 ELECTRONIC SUBMISSION #131650 VERIFIED BY THE BLM WELL INFORMATION SYSTEM
 ** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED

RECEIVED
MAR 06 2012

28b. Production - Interval C

| | | | | | | | | | |
|---------------------|----------------------------|--------------|----------------------|---------|---------|-----------|--------------------------|-------------|-------------------|
| Date First Produced | Test Date | Hours Tested | Test Production → | Oil BBL | Gas MCF | Water BBL | Oil Gravity Corr. API | Gas Gravity | Production Method |
| Choke Size | Tbg. Press. Flwg. SI | Csg. Press. | 24 Hr. Rate → | Oil BBL | Gas MCF | Water BBL | Gas:Oil Ratio | Well Status | |

28c. Production - Interval D

| | | | | | | | | | |
|---------------------|----------------------------|--------------|----------------------|---------|---------|-----------|--------------------------|-------------|-------------------|
| Date First Produced | Test Date | Hours Tested | Test Production → | Oil BBL | Gas MCF | Water BBL | Oil Gravity Corr. API | Gas Gravity | Production Method |
| Choke Size | Tbg. Press. Flwg. SI | Csg. Press. | 24 Hr. Rate → | Oil BBL | Gas MCF | Water BBL | Gas:Oil Ratio | Well Status | |

29. Disposition of Gas(Sold, used for fuel, vented, etc.)
SOLD

30. Summary of Porous Zones (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

31. Formation (Log) Markers

| Formation | Top | Bottom | Descriptions, Contents, etc. | Name | Top |
|-----------|-----|--------|------------------------------|-------------|-------------|
| | | | | | Meas. Depth |
| | | | | GREEN RIVER | 973 |
| | | | | BIRD'S NEST | 1291 |
| | | | | MAHOGANY | 1660 |
| | | | | WASATCH | 4098 |
| | | | | MESAVERDE | 6094 |

32. Additional remarks (include plugging procedure):

Attached is the chronological well history, perforation report & final survey.
DQX csg was used from surface to 5053'; LTC csg was used from 5053'-8406'.

33. Circle enclosed attachments:

- | | | | |
|---|--------------------|---------------|-----------------------|
| 1. Electrical/Mechanical Logs (1 full set req'd.) | 2. Geologic Report | 3. DST Report | 4. Directional Survey |
| 5. Sundry Notice for plugging and cement verification | 6. Core Analysis | 7 Other: | |

34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions):

**Electronic Submission #131650 Verified by the BLM Well Information System.
For KERR MCGEE OIL & GAS ONSHORE,L, sent to the Vernal**

Name (please print) JAIME L. SCHARNOWSKE Title REGULATORY ANALYST

Signature _____ (Electronic Submission) Date 02/27/2012

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

**** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ****

US ROCKIES REGION

Operation Summary Report

| | | | |
|--|--|--|---|
| Well: BONANZA 1023-18L2S WHITE | | Spud Conductor: 7/8/2011 | Spud Date: 7/29/2011 |
| Project: UTAH-UINTAH | | Site: BONANZA 1023-18E2 PAD | Rig Name No: PROPETRO 12/12, ENSIGN 146/146 |
| Event: DRILLING | | Start Date: 6/7/2011 | End Date: 11/24/2011 |
| Active Datum: RKB @5,329.00usft (above Mean Sea Level) | | UWI: SW/NW/0/10/S/23/E/18/0/0/26/PM/N/2508/W/0/856/0/0 | |

| Date | Time Start-End | Duration (hr) | Phase | Code | Sub Code | P/U | MD From (usft) | Operation |
|------------|----------------|---------------|--------|------|----------|-----|----------------|--|
| 7/29/2011 | 16:00 - 21:30 | 5.50 | MIRU | 01 | B | P | | MIRU /// DRESS TOP OF CONDUCTOR. INSTALL DIVERTER HEAD AND BOWME LINE. BUILD DITCH. MOVE RIG OVER HOLE AND RIG UP. SET CATWALK AND PIPE RACKS. RIG UP AND PRIME MUD PUMP.FINISH TOPOUTS |
| | 21:30 - 23:00 | 1.50 | DRLSUR | 02 | B | P | | SPUD 12.25 HOLE,DRILL 40' TO 210', |
| | 23:00 - 0:00 | 1.00 | DRLSUR | 06 | A | P | | TOOH, P/U & SCRIBE DIR TOOLS |
| 7/30/2011 | 0:00 - 0:30 | 0.50 | DRLSUR | 06 | A | P | | TIH W/ DIR BHA & 12.25 BIT |
| | 0:30 - 22:30 | 22.00 | DRLSUR | 02 | D | P | | DIRDRILL 12.25 SURFACE HOLE F/210 TO 2160 =1950 AVG 88 / WOB= 14-16K , PSI 1300/1500 GPM=540 |
| | 22:30 - 23:30 | 1.00 | DRLSUR | 05 | C | P | | CIRC & WATER OUT WELL BEFORE LDDP |
| | 23:30 - 0:00 | 0.50 | DRLSUR | 06 | A | P | | LDDP |
| 7/31/2011 | 0:00 - 2:30 | 2.50 | DRLSUR | 06 | A | P | | LDDP & BHA DIR TOOLS |
| | 2:30 - 5:30 | 3.00 | CSG | 12 | C | | | RUN 48 JTS 9.625 #36 J55 LTC TO SHOE DEPTH 2125 |
| | 6:00 - 8:00 | 2.00 | CSG | 12 | C | | | PUMP 120 BBLS AHEAD,20 BBLS GEL WATER,335 SX TAIL,DISPLACE 160 BBLS,BUMPPUG FLOAT HELD,FINALLIFT 750,3- TOPJOBS 350 SX NO CEMENT BACK,RIG RELEASE @08:00 7/31/2011 |
| 11/20/2011 | 14:00 - 15:00 | 1.00 | MIRU | 01 | C | P | | RIG DOWN, SKID RIG, RIG UP |
| | 15:00 - 16:00 | 1.00 | DRLPRO | 14 | A | P | | N/UP BOPE |
| | 16:00 - 20:00 | 4.00 | DRLPRO | 15 | A | P | | TEST BOPE, RAMS, CHOKE, CHOKE LINE, MANUAL VALVES, FLOOR VALVES, HCR & IBOP 250 LOW 5000 HIGH, ANNULAR 250 LOW 2500 HIGH, CASING 1500 |
| | 20:00 - 20:30 | 0.50 | DRLPRO | 14 | B | P | | SET WEARBUSHING |
| | 20:30 - 21:00 | 0.50 | DRLPRO | 07 | A | P | | CHANGE OUT SAVER SUB & GRAPPER DIES |
| | 21:00 - 0:00 | 3.00 | DRLPRO | 06 | A | P | | P/UP HUNTING MUD MOTOR 1.83 deg .21 RPG, HUGHES Q506F BIT, RIH DIRECTIONAL TOOLS |
| 11/21/2011 | 0:00 - 0:30 | 0.50 | DRLPRO | 07 | B | P | | ORIENT & SCRIBE, RIH TAG CEMENT @ 2065' CENTER & LEVEL DERRICK, INSTALL ROTATING HEAD |
| | 0:30 - 1:00 | 0.50 | DRLPRO | 02 | E | P | | DRILL/CEMENT, FE & RATHOLE F/2065' TO 2170' |
| | 1:00 - 14:00 | 13.00 | DRLPRO | 02 | D | P | | DRILL/SLIDE F/2170' TO 4304' (2134' @ 164fph) MW 8.4, VIS 27, WOB 22, RPM 45, MM RPM 115, TQ 5/8, SPM 112, GPM 550, PSI OFF/ON 1725/2100, PU 142, SO 112, ROT 126, SLIDE 2311 2321, 2402 2412, 2492 2502, 2673 2681, 2764 2772, 2854 2866, 2945 2957, 3035 3047, 3216 3228, 3398 3412, 3488 3504, 3579 3597, 4123 4138 (SLIDE 157'/1.75 hrs 13% - ROT 1977'/11.25 hrs 87%) |
| | 14:00 - 14:30 | 0.50 | DRLPRO | 07 | A | P | | RIG SER |
| | 14:30 - 0:00 | 9.50 | DRLPRO | 02 | D | P | | DRILL/SLIDE F/4304' TO 5890' (1586' @ 166fph) MW 8.4, VIS 27, WOB 20, RPM 45, MM RPM 115, TQ 8/11, SPM 112, GPM 550, PSI OFF/ON 2150/2550, PU 201. SO 139, ROT 162 (ROT 100%) |

**US ROCKIES REGION
Operation Summary Report**

| | | | | | |
|--|--|-----------------------------|--|---|--|
| Well: BONANZA 1023-18L2S WHITE | | Spud Conductor: 7/8/2011 | | Spud Date: 7/29/2011 | |
| Project: UTAH-UINTAH | | Site: BONANZA 1023-18E2 PAD | | Rig Name No: PROPETRO 12/12, ENSIGN 146/146 | |
| Event: DRILLING | | Start Date: 6/7/2011 | | End Date: 11/24/2011 | |
| Active Datum: RKB @5,329.00usft (above Mean Sea Level) | | | UWI: SW/NW/0/10/S/23/E/18/0/0/26/PM/N/2508/W/0/856/0/0 | | |

| Date | Time Start-End | Duration (hr) | Phase | Code | Sub Code | P/U | MD From (usft) | Operation |
|------------|----------------|---------------|--------|------|----------|-----|----------------|--|
| 11/22/2011 | 0:00 - 13:00 | 13.00 | DRLPRO | 02 | D | P | | DRILL/SLIDE F/5890' TO 7387' (1497' @ 115fph) MW 10.0, VIS 32, WOB 20, RPM 35, MM RPM 102, TQ 8/13, SPM 100, GPM 490, PSI OFF/ON 1900/2375, PU 213, SO 165, ROT 180, SLIDE 6117 6131, 6480 6494, 6843 6858, 6933 6949, 7024 7042, 7296 7314 (SLIDE 95'/2.5 hrs 19% - ROT 1402'/10.5 hrs 81%) RIG SER |
| | 13:00 - 13:30 | 0.50 | DRLPRO | 07 | A | P | | |
| | 13:30 - 0:00 | 10.50 | DRLPRO | 02 | D | P | | DRILL/SLIDE 7387' TO 8200' (813' @ 77fph) MW 11.3, VIS 36, WOB 22, RPM 35, TQ 8/13, SPM 100, GPM 490, PSI OFF/ON 2200/2600, PU 236, SO 155, ROT 187 (ROT 100%) |
| 11/23/2011 | 0:00 - 3:30 | 3.50 | DRLPRO | 02 | D | P | | DRILL/SLIDE F/8200' TO 8420' (220' @ 62fph) MW 11.4, VIS 38, WOB 22, RPM 35, TQ 8/13, SPM 100, GPM 490, PSI OFF/ON 2200/2600, PU 236, SO 155, ROT 187 (ROT 100%) |
| | 3:30 - 5:00 | 1.50 | DRLPRO | 05 | C | P | | CIRC & RECIPROCAT @ 8,420' |
| | 5:00 - 14:00 | 9.00 | DRLPRO | 06 | D | P | | POOH LDDP, BACKREAM F/8420' TO 7520' RACK 10 STANDS IN DERRICK, CONTINUE POOH LDDP PULL WEAR BUSHING |
| | 14:00 - 14:30 | 0.50 | DRLPRO | 14 | B | P | | PJSM RU & RUN 82 JTS OF 11.60# - 4 1/2" LTC - I-80, 1- X-O JT & 118 JTS OF DQX 11.60# 4 1/2" I-80 / SHOE @ 8,406' FLOAT COLLAR @ 8,361' MARKER JT @ 6,149' X-O @ 5,031' |
| | 14:30 - 23:00 | 8.50 | DRLPRO | 12 | C | P | | CIRC @ 8,406' W/ RIG PUMP W/ NO PROBLEMS / PJSM W/ BJ CEMENTERS |
| | 23:00 - 0:00 | 1.00 | DRLPRO | 05 | A | P | | PJSM, R/UP BJ & CEMENT 4.5" PROD CASING, TEST LINES 4150 PSI, PUMP 25 BBLS FRESH WATER, FOLLOWED WITH, 448 SKS LEAD 11.9 PPG 2.36 YIELD, TAIL 930 SKS 14.3 PPG, 1.31 YIELD, DROPPED PLUG & DISPLACED W/ 130 BBLS FRESH WATER W/ CLAY CARE + 1 GAL MAGNACIDE @ 2400 PSI, BUMPED PLUG @ 2970 PSI - FLOATS HELD W/ 1 BBL RETURN, GOOD RETURNS DURING CMT JOB SPACER WATER BACK TO SURFACE W/ TRACES OF CEMENT / RD BJ FLUSH BOP'S / SET SLIPS W/ 90K ND BOP'S / CUT OFF CSG / CLEAN PITS & RELEASE RIG @ 06:00 11/24/11 |
| 11/24/2011 | 0:00 - 2:30 | 2.50 | DRLPRO | 12 | E | P | | |
| | 2:30 - 3:30 | 1.00 | DRLPRO | 14 | B | P | | |
| | 3:30 - 6:00 | 2.50 | DRLPRO | 14 | A | P | | |

1 General

1.1 Customer Information

| | |
|----------------|-------------------|
| Company | US ROCKIES REGION |
| Representative | |
| Address | |

1.2 Well/Wellbore Information

| | | | |
|--------------|---|---------------|--|
| Well | BONANZA 1023-18L2S WHITE | Wellbore No. | OH |
| Well Name | BONANZA 1023-18L2S | Wellbore Name | BONANZA 1023-18L2S |
| Report No. | 1 | Report Date | 1/4/2012 |
| Project | UTAH-UINTAH | Site | BONANZA 1023-18E2 PAD |
| Rig Name/No. | | Event | COMPLETION |
| Start Date | 1/4/2012 | End Date | 1/25/2012 |
| Spud Date | 7/29/2011 | Active Datum | RKB @5,329.00usft (above Mean Sea Level) |
| UWI | SW/NW/0/10/S/23/E/18/O/0/26/PM/N/2508/W/0/856/O/0 | | |

1.3 General

| | | | | | |
|---------------------|----------------------|-----------------|--|------------|----------|
| Contractor | CASED HOLE SOLUTIONS | Job Method | | Supervisor | ED GUDAC |
| Perforated Assembly | PRODUCTION CASING | Conveyed Method | | | |

1.4 Initial Conditions

| | | | |
|-------------------|---------|--------------------|--|
| Fluid Type | | Fluid Density | |
| Surface Press | | Estimate Res Press | |
| TVD Fluid Top | | Fluid Head | |
| Hydrostatic Press | | Press Difference | |
| Balance Cond | NEUTRAL | | |

1.5 Summary

| | | | |
|------------------|-------------------------------|--------------------------|------------------|
| Gross Interval | 5,543.0 (usft)-8,041.0 (usft) | Start Date/Time | 1/2/2011 12:00AM |
| No. of Intervals | 31 | End Date/Time | 1/2/2011 12:00AM |
| Total Shots | 192 | Net Perforation Interval | 52.00 (usft) |
| Avg Shot Density | 3.69 (shot/ft) | Final Surface Pressure | |
| | | Final Press Date | |

2 Intervals

2.1 Perforated Interval

| Date | Formation/Reservoir | CCL@ (usft) | CCL-T S (usft) | MD Top (usft) | MD Base (usft) | Shot Density (shot/ft) | Misfires/Add. Shot | Diameter (in) | Carr Type /Carr Manuf | Carr Size (in) | Phasing (°) | Charge Desc /Charge Manufacturer | Charge Weight (gram) | Reason | Misrun |
|------------------|---------------------|-------------|----------------|---------------|----------------|------------------------|--------------------|---------------|-----------------------|----------------|-------------|----------------------------------|----------------------|-----------|--------|
| 1/2/2011 12:00AM | WASATCH/ | | | 5,543.0 | 5,549.0 | 4.00 | | 0.360 | EXP/ | 3.375 | 90.00 | | 23.00 | PRODUCTIO | N |

2.1 Perforated Interval (Continued)

| Date | Formation/ Reservoir | CCL@ (usft) | CCL-T S (usft) | MD Top (usft) | MD Base (usft) | Shot Density (shot/ft) | Misfires/ Add. Shot | Diamete r (in) | Carr Type /Carr Manuf | Carr Size (in) | Phasing (°) | Charge Desc /Charge Manufacturer | Charge Weight (gram) | Reason | Misrun |
|---------------------|-------------------------|----------------|----------------------|------------------|-------------------|------------------------------|------------------------|----------------------|-----------------------|----------------------|----------------|-------------------------------------|----------------------------|----------------|--------|
| 1/2/2011 12:00AM | WASATCH/ | | | 5,754.0 | 5,756.0 | 4.00 | | 0.360 | EXP/ | 3.375 | 90.00 | | 23.00 | PRODUCTIO N | |
| 1/2/2011 12:00AM | WASATCH/ | | | 5,799.0 | 5,800.0 | 4.00 | | 0.360 | EXP/ | 3.375 | 90.00 | | 23.00 | PRODUCTIO N | |
| 1/2/2011 12:00AM | WASATCH/ | | | 5,810.0 | 5,811.0 | 4.00 | | 0.360 | EXP/ | 3.375 | 90.00 | | 23.00 | PRODUCTIO N | |
| 1/2/2011 12:00AM | WASATCH/ | | | 5,815.0 | 5,816.0 | 4.00 | | 0.360 | EXP/ | 3.375 | 90.00 | | 23.00 | PRODUCTIO N | |
| 1/2/2011 12:00AM | WASATCH/ | | | 5,865.0 | 5,866.0 | 4.00 | | 0.360 | EXP/ | 3.375 | 90.00 | | 23.00 | PRODUCTIO N | |
| 1/2/2011 12:00AM | MESAVERDE/ | | | 6,778.0 | 6,780.0 | 4.00 | | 0.360 | EXP/ | 3.375 | 90.00 | | 23.00 | PRODUCTIO N | |
| 1/2/2011 12:00AM | MESAVERDE/ | | | 6,882.0 | 6,883.0 | 4.00 | | 0.360 | EXP/ | 3.375 | 90.00 | | 23.00 | PRODUCTIO N | |
| 1/2/2011 12:00AM | MESAVERDE/ | | | 6,899.0 | 6,900.0 | 4.00 | | 0.360 | EXP/ | 3.375 | 90.00 | | 23.00 | PRODUCTIO N | |
| 1/2/2011 12:00AM | MESAVERDE/ | | | 6,949.0 | 6,951.0 | 4.00 | | 0.360 | EXP/ | 3.375 | 90.00 | | 23.00 | PRODUCTIO N | |
| 1/2/2011 12:00AM | MESAVERDE/ | | | 7,034.0 | 7,040.0 | 4.00 | | 0.360 | EXP/ | 3.375 | 90.00 | | 23.00 | PRODUCTIO N | |
| 1/2/2011 12:00AM | MESAVERDE/ | | | 7,100.0 | 7,101.0 | 3.00 | | 0.360 | EXP/ | 3.375 | 120.00 | | 23.00 | PRODUCTIO N | |
| 1/2/2011 12:00AM | MESAVERDE/ | | | 7,150.0 | 7,152.0 | 3.00 | | 0.360 | EXP/ | 3.375 | 120.00 | | 23.00 | PRODUCTIO N | |
| 1/2/2011 12:00AM | MESAVERDE/ | | | 7,194.0 | 7,195.0 | 3.00 | | 0.360 | EXP/ | 3.375 | 120.00 | | 23.00 | PRODUCTIO N | |
| 1/2/2011 12:00AM | MESAVERDE/ | | | 7,263.0 | 7,264.0 | 3.00 | | 0.360 | EXP/ | 3.375 | 120.00 | | 23.00 | PRODUCTIO N | |
| 1/2/2011 12:00AM | MESAVERDE/ | | | 7,279.0 | 7,280.0 | 3.00 | | 0.360 | EXP/ | 3.375 | 120.00 | | 23.00 | PRODUCTIO N | |
| 1/2/2011 12:00AM | MESAVERDE/ | | | 7,293.0 | 7,294.0 | 3.00 | | 0.360 | EXP/ | 3.375 | 120.00 | | 23.00 | PRODUCTIO N | |
| 1/2/2011 12:00AM | MESAVERDE/ | | | 7,324.0 | 7,325.0 | 3.00 | | 0.360 | EXP/ | 3.375 | 120.00 | | 23.00 | PRODUCTIO N | |
| 1/2/2011 12:00AM | MESAVERDE/ | | | 7,451.0 | 7,453.0 | 3.00 | | 0.360 | EXP/ | 3.375 | 120.00 | | 23.00 | PRODUCTIO N | |
| 1/2/2011 12:00AM | MESAVERDE/ | | | 7,480.0 | 7,482.0 | 3.00 | | 0.360 | EXP/ | 3.375 | 120.00 | | 23.00 | PRODUCTIO N | |
| 1/2/2011 12:00AM | MESAVERDE/ | | | 7,523.0 | 7,525.0 | 3.00 | | 0.360 | EXP/ | 3.375 | 120.00 | | 23.00 | PRODUCTIO N | |
| 1/2/2011 12:00AM | MESAVERDE/ | | | 7,571.0 | 7,572.0 | 3.00 | | 0.360 | EXP/ | 3.375 | 120.00 | | 23.00 | PRODUCTIO N | |

2.1 Perforated Interval (Continued)

| Date | Formation/ Reservoir | CCL@ (usft) | CCL-T S (usft) | MD Top (usft) | MD Base (usft) | Shot Density (shot/ft) | Misfires/ Add. Shot | Diamete r (in) | Carr Type /Carr Manuf | Carr Size (in) | Phasing (°) | Charge Desc /Charge Manufacturer | Charge Weight (gram) | Reason | Misrun |
|---------------------|-------------------------|----------------|----------------------|------------------|-------------------|------------------------------|------------------------|----------------------|-----------------------|----------------------|----------------|-------------------------------------|----------------------------|----------------|--------|
| 1/2/2011 12:00AM | MESAVERDE/ | | | 7,605.0 | 7,606.0 | 3.00 | | 0.360 | EXP/ | 3.375 | 120.00 | | 23.00 | PRODUCTIO N | |
| 1/2/2011 12:00AM | MESAVERDE/ | | | 7,660.0 | 7,661.0 | 4.00 | | 0.360 | EXP/ | 3.375 | 90.00 | | 23.00 | PRODUCTIO N | |
| 1/2/2011 12:00AM | MESAVERDE/ | | | 7,675.0 | 7,676.0 | 4.00 | | 0.360 | EXP/ | 3.375 | 90.00 | | 23.00 | PRODUCTIO N | |
| 1/2/2011 12:00AM | MESAVERDE/ | | | 7,729.0 | 7,731.0 | 4.00 | | 0.360 | EXP/ | 3.375 | 90.00 | | 23.00 | PRODUCTIO N | |
| 1/2/2011 12:00AM | MESAVERDE/ | | | 7,758.0 | 7,760.0 | 4.00 | | 0.360 | EXP/ | 3.375 | 90.00 | | 23.00 | PRODUCTIO N | |
| 1/2/2011 12:00AM | MESAVERDE/ | | | 7,855.0 | 7,856.0 | 4.00 | | 0.360 | EXP/ | 3.375 | 90.00 | | 23.00 | PRODUCTIO N | |
| 1/2/2011 12:00AM | MESAVERDE/ | | | 7,879.0 | 7,882.0 | 4.00 | | 0.360 | EXP/ | 3.375 | 90.00 | | 23.00 | PRODUCTIO N | |
| 1/2/2011 12:00AM | MESAVERDE/ | | | 7,979.0 | 7,980.0 | 4.00 | | 0.360 | EXP/ | 3.375 | 90.00 | | 23.00 | PRODUCTIO N | |
| 1/2/2011 12:00AM | MESAVERDE/ | | | 8,040.0 | 8,041.0 | 4.00 | | 0.360 | EXP/ | 3.375 | 90.00 | | 23.00 | PRODUCTIO N | |

3 Plots

3.1 Wellbore Schematic

**US ROCKIES REGION
Operation Summary Report**

| | | | |
|--|--|--|------------------------|
| Well: BONANZA 1023-18L2S WHITE | | Spud Conductor: 7/8/2011 | Spud Date: 7/29/2011 |
| Project: UTAH-UINTAH | | Site: BONANZA 1023-18E2 PAD | Rig Name No: MILES 2/2 |
| Event: COMPLETION | | Start Date: 1/4/2012 | End Date: 1/25/2012 |
| Active Datum: RKB @5,329.00usft (above Mean Sea Level) | | UWI: SW/NW/0/10/S/23/E/18/0/0/26/PM/N/2508/W/0/856/0/0 | |

| Date | Time Start-End | Duration (hr) | Phase | Code | Sub Code | P/U | MD From (usft) | Operation |
|-----------|----------------|---------------|-------|------|----------|-----|----------------|--|
| 1/5/2012 | 10:30 - 12:00 | 1.50 | COMP | 33 | | P | | FILL SURFACE CSG. MIRU B&C QUICK TEST. PSI TEST T/ 1000 PSI. HELD FOR 15 MIN LOST 13 PSI. PSI TEST T/ 3500 PSI. HELD FOR 15 MIN LOST 38 PSI. 1ST PSI TEST T/ 7000 PSI. HELD FOR 30 MIN LOST 50 PSI. NO COMMUNICATION OR MIGRATION WITH SURFACE CSG BLEED OFF PSI. MOVE T/ NEXT WELL. SWMFW |
| 1/6/2012 | 7:00 - 12:00 | 5.00 | COMP | 37 | | P | | PERF STG 1)PU 3 1/8 EXP GUN, 23 GM, .36 HOLE SIZE. 90 DEG PHASING. RIH PERF AS PER PERF DESIGN. POOH. SWMFW |
| 1/10/2012 | 6:45 - 7:00 | 0.25 | COMP | 48 | | P | | HSM. HIGH PSI LINES. |

US ROCKIES REGION

Operation Summary Report

| | | | |
|--|--|--|------------------------|
| Well: BONANZA 1023-18L2S WHITE | | Spud Conductor: 7/8/2011 | Spud Date: 7/29/2011 |
| Project: UTAH-UINTAH | | Site: BONANZA 1023-18E2 PAD | Rig Name No: MILES 2/2 |
| Event: COMPLETION | | Start Date: 1/4/2012 | End Date: 1/25/2012 |
| Active Datum: RKB @5,329.00usft (above Mean Sea Level) | | UWI: SW/NW/0/10/S/23/E/18/0/0/26/PM/N/2508/W/0/856/0/0 | |

| Date | Time Start-End | Duration (hr) | Phase | Code | Sub Code | P/U | MD From (usft) | Operation |
|------|----------------|---------------|-------|------|----------|-----|----------------|---|
| | 7:00 - 18:00 | 11.00 | COMP | 36 | B | P | | <p>MIRU HALLIBURTON FRAC SERV. PSI TEST</p> <p>FRAC STG 1)WHP 1467 PSI, BRK 3182 PSI @ 3.4 BPM. ISIP 2017 PSI, FG .69. CALC PERFS OPEN @ 44 BPM @ 4500 PSI = 8900% HOLES OPEN. ISIP 2464 PSI, FG .74, NPI 447 PSI. MP 6446 PSI, MR 50.1 BPM, AP 3757 PSI, AR 37.3 BPM, PUMPED 30/50 OWATTA SAND. SWI, X-OVER FOR WL.</p> <p>PERF STG 2)PU 4 1/2 8K HAL CBP & 3 1/8 EXP GUN, 23 GM, .36 HOLE SIZE. 90 DEG PHASING. RIH SET CBP @ 7790' P/U PERF AS PER DESIGN. POOH, X-OVER FOR FRAC CREW.</p> <p>FRAC STG 2)WHP 2088 PSI, BRK 2967 PSI @ 4.8 BPM. ISIP 2374 PSI, FG .75. CALC PERFS OPEN @ 50 BPM @ 4600 PSI = 100% HOLES OPEN. ISIP 2579 PSI, FG .77, NPI 205 PSI. MP 6122 PSI, MR 50 BPM, AP 4267 PSI, AR 46.7 BPM, PUMPED 30/50 OWATTA SAND. SWI, X-OVER FOR WL.</p> <p>PERF STG 3)PU 4 1/2 8K HAL CBP & 3 1/8 EXP GUN, 23 GM, .36 HOLE SIZE. 120 DEG PHASING. RIH SET CBP @ 7636' P/U PERF AS PER DESIGN. POOH, X-OVER FOR FRAC CREW.</p> <p>FRAC STG 3)WHP 2137 PSI, BRK 3669 PSI @ 4.8 BPM. ISIP 2591 PSI, FG .78. CALC PERFS OPEN @ 49 BPM @ 5248 PSI = 74% HOLES OPEN. ISIP 2421 PSI, FG .76, NPI -170 PSI. MP 5290 PSI, MR 49.7 BPM, AP 4545 PSI, AR 48.5 BPM, PUMPED 30/50 OWATTA SAND. SWI, X-OVER FOR WL.</p> <p>PERF STG 4)PU 4 1/2 8K HAL CBP & 3 1/8 EXP GUN, 23 GM, .36 HOLE SIZE. 120 DEG PHASING. RIH SET CBP @ 7355' P/U PERF AS PER DESIGN. POOH, X-OVER FOR WL.</p> <p>FRAC STG 4)WHP 1165 PSI, BRK 4261 PSI @ 4.9 BPM. ISIP 2007 PSI, FG .71. CALC PERFS OPEN @ 49.9 BPM @ 4545 PSI = 100% HOLES OPEN. ISIP 2136 PSI, FG .73, NPI 129 PSI. MP 4573 PSI, MR 50.4 BPM, AP 3950 PSI, AR 49.3 BPM, PUMPED 30/50 OWATTA SAND. SWIFN.</p> |

US ROCKIES REGION
Operation Summary Report

| | | |
|--|--|------------------------|
| Well: BONANZA 1023-18L2S WHITE | Spud Conductor: 7/8/2011 | Spud Date: 7/29/2011 |
| Project: UTAH-UINTAH | Site: BONANZA 1023-18E2 PAD | Rig Name No: MILES 2/2 |
| Event: COMPLETION | Start Date: 1/4/2012 | End Date: 1/25/2012 |
| Active Datum: RKB @5,329.00usft (above Mean Sea Level) | UWI: SW/NW/0/10/S/23/E/18/0/0/26/PM/N/2508/W/0/856/0/0 | |

| Date | Time Start-End | Duration (hr) | Phase | Code | Sub Code | P/U | MD From (usft) | Operation |
|-----------|----------------|---------------|-------|------|----------|-----|----------------|---|
| 1/11/2012 | 9:30 - 18:00 | 8.50 | COMP | 36 | B | P | | <p>PERF STG 5)PU 4 1/2 8K HAL CBP & 3 1/8 EXP GUN, 23 GM, .36 HOLE SIZE. 90 DEG PHASING. RIH SET CBP @ 7070' P/U PERF AS PER DESIGN. POOH, X-OVER FOR FRAC CREW.</p> <p>FRAC STG 5)WHP 150 PSI, BRK 3266 PSI @ 5.0 BPM. ISIP 1593 PSI, FG .66. CALC PERFS OPEN @ 50.1 BPM @ 4640 PSI = 78% HOLES OPEN. ISIP 2105 PSI, FG .73, NPI 512 PSI. MP 4651 PSI, MR 50.6 BPM, AP 4041 PSI, AR 48.4 BPM, PUMPED 30/50 OWATTA SAND. SWI, X-OVER FOR WL.</p> <p>PERF STG 6)PU 4 1/2 8K HAL CBP & 3 1/8 EXP GUN, 23 GM, .36 HOLE SIZE. 90 DEG PHASING. RIH SET CBP @ 6981' P/U PERF AS PER DESIGN. POOH, X-OVER FOR FRAC CREW.</p> <p>FRAC STG 6)WHP 495 PSI, BRK 3729 PSI @ 4.8 BPM. ISIP 2089 PSI, FG .74. CALC PERFS OPEN @ 45 BPM @ 5500 PSI = 65% HOLES OPEN. ISIP 2142 PSI, FG .75, NPI 53 PSI. MP 6490 PSI, MR 49.8 BPM, AP 5344 PSI, AR 42.3 BPM, PUMPED 30/50 OWATTA SAND, SWI, X-OVER FOR WL.</p> <p>PERF STG 7)PU 4 1/2 8K HAL CBP & 3 1/8 EXP GUN, 23 GM, .36 HOLE SIZE. 90 DEG PHASING. RIH SET CBP @ 5916' P/U PERF AS PER DESIGN. POOH, X-OVER FOR FRAC CREW.</p> <p>FRAC STG 7)WHP 143 PSI, BRK 2547 PSI @ 4.7 BPM. ISIP 1329 PSI, FG .66. CALC PERFS OPEN @ 50.2 BPM @ 4644 PSI = 73% HOLES OPEN. ISIP 1872 PSI, FG .75, NPI 543 PSI. MP 4671 PSI, MR 50.3 BPM, AP 3771 PSI, AR 47.7 BPM, PUMPED 30/50 OWATTA SAND. SWI, X-OVER FOR WL.</p> <p>PERF STG 8)PU 4 1/2 8K HAL CBP & 3 1/8 EXP GUN, 23 GM, .36 HOLE SIZE. 90 DEG PHASING. RIH SET CBP @ 5579' P/U PERF AS PER DESIGN. POOH, X-OVER FOR FRAC CREW.</p> <p>FRAC STG 8)WHP 448 PSI, BRK 2650 PSI @ 4.8 BPM. ISIP 1119 PSI, FG .64. CALC PERFS OPEN @ 50.2 BPM @ 3800 PSI = 81% HOLES OPEN. ISIP 1692 PSI, FG .74, NPI 573 PSI. MP 3884 PSI, MR 50.4 BPM, AP 3374 PSI, AR 50</p> |

US ROCKIES REGION
Operation Summary Report

| | | | |
|--|--|--|------------------------|
| Well: BONANZA 1023-18L2S WHITE | | Spud Conductor: 7/8/2011 | Spud Date: 7/29/2011 |
| Project: UTAH-UINTAH | | Site: BONANZA 1023-18E2 PAD | Rig Name No: MILES 2/2 |
| Event: COMPLETION | | Start Date: 1/4/2012 | End Date: 1/25/2012 |
| Active Datum: RKB @5,329.00usft (above Mean Sea Level) | | UWI: SW/NW/0/10/S/23/E/18/0/0/26/PM/N/2508/W/0/856/0/0 | |

| Date | Time Start-End | Duration (hr) | Phase | Code | Sub Code | P/U | MD From (usft) | Operation |
|-----------|----------------|---------------|-------|------|----------|-----|----------------|--|
| | | | | | | | | BPM, PUMPED 30/50 OWATTA SAND. SWI, X-OVER FOR WL. |
| | | | | | | | | PU 4 1/2 8K HAL CBP. RIH SET KILL PLUG @ 5493'. POOH. |
| | | | | | | | | TOTAL SAND = 216,418 LBS TOTAL CLFL = 9930 BBLS |
| 1/24/2012 | 13:00 - 17:00 | 4.00 | COMP | 44 | | P | | MIRU, NDWH, NU BOP'S, TEST BOP'S, PU BHA, TIH TBG TO 3583,' 113 JTS, EOT, SWMFN |
| 1/25/2012 | 7:00 - 7:30 | 0.50 | COMP | 48 | | P | | LANDING TBG |
| | 7:30 - 14:00 | 6.50 | COMP | 44 | | P | | TIH TBG, TAG PLUG# 1, MILL 8 PLUGS, CLEAN OUT TO PBTD,8258', BREAK CIRC, PU HOLE To 7629.80' 240 JTS, LAND TBG, ND BOP'S, NUWH, POBS, 2500#, TURN TO FBC, RDMO TO BON 1023-18L3S |
| | | | | | | | | PLUG# 1 5493' 40' SAND 5 MIN 0# KICK PLUG# 2 5579' 30' SAND 5 MIN 0# KICK PLUG# 3 5916' 30' SAND 5 MIN 500# KICK PLUG# 4 6981' 30' SAND 5 MIN 300# KICK PLUG# 5 7070' 10' SAND 5 MIN 400# KICK PLUG# 6 7355' 70' SAND 5 MIN 500# KICK PLUG# 7 7636' 30' SAND 5 MIN 500# KICK PLUG# 8 7790' 15' SAND 5 MIN 500# KICK |
| | | | | | | | | PBTD 8258' BTM PERF 8041' |
| | | | | | | | | TBG 240 JTS 7612.80' KB 14.00' HANGER 4.125" .83' XNSN 1.875" 2.20' EOT 7629.80' |
| | | | | | | | | FRAC WTR 9930 BBLS RCVD 2500 BBLS LTR 7430 BBLS |
| 2/8/2012 | 7:00 - | | PROD | 50 | | | | WELL IP'D ON 2/8/12 - 2197 MCFD, 0 BOPD, 280 BWPD, CP 1852 #, FTP 1011#, CK 20/64", LP 128#, 24 HRS |

1 General

1.1 Customer Information

| | |
|----------------|-------------------|
| Company | US ROCKIES REGION |
| Representative | |
| Address | |

1.2 Well Information

| | | | |
|------------------|--|-----------------|---|
| Well | BONANZA 1023-18L2S WHITE | Wellbore No. | OH |
| Well Name | BONANZA 1023-18L2S | Common Name | BONANZA 1023-18L2S |
| Project | UTAH-UINTAH | Site | BONANZA 1023-18E2 PAD |
| Vertical Section | 219.76 (°) | North Reference | True |
| Azimuth | | | |
| Origin N/S | | Origin E/W | |
| Spud Date | 7/29/2011 | UWI | SW/NW/0/10/S/23/E/18/0/0/26/PM/N/2508/W/0/8 56/0/0 |
| Active Datum | RKB @5,329.00usft (above Mean Sea Level) | | |

2 Survey Name

2.1 Survey Name: Survey #1

| | | | |
|-------------|-----------|----------|----------|
| Survey Name | Survey #1 | Company | SDI |
| Started | 7/29/2011 | Ended | |
| Tool Name | MWD | Engineer | Anadarko |

2.1.1 Tie On Point

| MD (usft) | Inc (°) | Azi (°) | TVD (usft) | N/S (usft) | E/W (usft) |
|--------------|------------|------------|---------------|---------------|---------------|
| 14.00 | 0.00 | 0.00 | 14.00 | 0.00 | 0.00 |

2.1.2 Survey Stations

| Date | Type | MD (usft) | Inc (°) | Azi (°) | TVD (usft) | N/S (usft) | E/W (usft) | V. Sec (usft) | DLeg (°/100usft) | Build (°/100usft) | Turn (°/100usft) | TFace (°) |
|-----------|--------|--------------|------------|------------|---------------|---------------|---------------|------------------|---------------------|----------------------|---------------------|--------------|
| 7/29/2011 | Tie On | 14.00 | 0.00 | 0.00 | 14.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 7/29/2011 | NORMAL | 192.00 | 0.53 | 141.28 | 192.00 | -0.64 | 0.51 | 0.16 | 0.30 | 0.30 | 0.00 | 141.28 |
| | NORMAL | 275.00 | 0.09 | 260.67 | 275.00 | -0.95 | 0.69 | 0.29 | 0.70 | -0.53 | 143.84 | 172.22 |
| | NORMAL | 362.00 | 1.14 | 202.13 | 361.99 | -1.77 | 0.30 | 1.17 | 1.26 | 1.21 | -67.29 | -62.56 |
| | NORMAL | 452.00 | 3.78 | 220.24 | 451.90 | -4.86 | -1.96 | 4.99 | 3.02 | 2.93 | 20.12 | 25.59 |
| | NORMAL | 542.00 | 5.85 | 234.40 | 541.58 | -9.79 | -7.60 | 12.39 | 2.64 | 2.30 | 15.73 | 37.05 |
| 7/30/2011 | NORMAL | 632.00 | 7.68 | 238.25 | 630.95 | -15.63 | -16.45 | 22.53 | 2.09 | 2.03 | 4.28 | 15.84 |
| | NORMAL | 722.00 | 10.01 | 225.97 | 719.88 | -24.23 | -27.19 | 36.02 | 3.32 | 2.59 | -13.64 | -45.20 |
| | NORMAL | 812.00 | 11.94 | 221.54 | 808.23 | -36.64 | -38.99 | 53.10 | 2.34 | 2.14 | -4.92 | -25.79 |
| | NORMAL | 902.00 | 13.77 | 219.85 | 895.97 | -51.83 | -52.02 | 73.12 | 2.08 | 2.03 | -1.88 | -12.44 |
| | NORMAL | 992.00 | 15.92 | 219.25 | 982.97 | -69.62 | -66.70 | 96.18 | 2.39 | 2.39 | -0.67 | -4.38 |
| | NORMAL | 1,082.00 | 17.49 | 217.54 | 1,069.17 | -89.90 | -82.75 | 122.03 | 1.83 | 1.74 | -1.90 | -18.20 |
| | NORMAL | 1,172.00 | 18.60 | 218.27 | 1,154.74 | -111.89 | -99.88 | 149.90 | 1.26 | 1.23 | 0.81 | 11.86 |
| | NORMAL | 1,262.00 | 19.58 | 219.39 | 1,239.79 | -134.82 | -118.34 | 179.33 | 1.16 | 1.09 | 1.24 | 21.02 |
| | NORMAL | 1,352.00 | 19.86 | 218.25 | 1,324.51 | -158.48 | -137.38 | 209.69 | 0.53 | 0.31 | -1.27 | -54.49 |
| | NORMAL | 1,442.00 | 19.90 | 218.74 | 1,409.15 | -182.43 | -156.43 | 240.29 | 0.19 | 0.04 | 0.54 | 76.73 |
| | NORMAL | 1,532.00 | 20.59 | 219.10 | 1,493.59 | -206.66 | -175.99 | 271.43 | 0.78 | 0.77 | 0.40 | 10.40 |
| | NORMAL | 1,622.00 | 19.83 | 217.20 | 1,578.04 | -231.10 | -195.20 | 302.50 | 1.12 | -0.84 | -2.11 | -140.07 |

2.1.2 Survey Stations (Continued)

| Date | Type | MD (usft) | Inc (°) | Azi (°) | TVD (usft) | N/S (usft) | E/W (usft) | V. Sec (usft) | DLeg (°/100usft) | Build (°/100usft) | Turn (°/100usft) | TFace (°) |
|-----------|--------|--------------|------------|------------|---------------|---------------|---------------|------------------|---------------------|----------------------|---------------------|--------------|
| 7/30/2011 | NORMAL | 1,712.00 | 19.43 | 215.01 | 1,662.81 | -255.52 | -213.02 | 332.67 | 0.93 | -0.44 | -2.43 | -119.56 |
| | NORMAL | 1,802.00 | 19.19 | 217.74 | 1,747.75 | -279.48 | -230.66 | 362.37 | 1.04 | -0.27 | 3.03 | 106.17 |
| | NORMAL | 1,892.00 | 18.88 | 218.17 | 1,832.83 | -302.62 | -248.72 | 391.71 | 0.38 | -0.34 | 0.48 | 155.86 |
| | NORMAL | 1,982.00 | 18.91 | 219.01 | 1,917.98 | -325.40 | -266.90 | 420.85 | 0.30 | 0.03 | 0.93 | 84.10 |
| | NORMAL | 2,072.00 | 18.34 | 216.50 | 2,003.27 | -348.12 | -284.50 | 449.57 | 1.09 | -0.63 | -2.79 | -126.60 |
| | NORMAL | 2,120.00 | 18.98 | 217.76 | 2,048.75 | -360.36 | -293.77 | 464.91 | 1.58 | 1.33 | 2.63 | 32.81 |

2.2 Survey Name: PRODUCTION

| | | | |
|-------------|------------|----------|-------------------|
| Survey Name | PRODUCTION | Company | WEATHERFORD |
| Started | 11/20/2011 | Ended | |
| Tool Name | MWD | Engineer | Anadarko Employee |

2.2.1 Tie On Point

| MD (usft) | Inc (°) | Azi (°) | TVD (usft) | N/S (usft) | E/W (usft) |
|--------------|------------|------------|---------------|---------------|---------------|
| 2,120.00 | 18.98 | 217.76 | 2,048.75 | -360.36 | -293.77 |

2.2.2 Survey Stations

| Date | Type | MD (usft) | Inc (°) | Azi (°) | TVD (usft) | N/S (usft) | E/W (usft) | V. Sec (usft) | DLeg (°/100usft) | Build (°/100usft) | Turn (°/100usft) | TFace (°) |
|------------|--------|--------------|------------|------------|---------------|---------------|---------------|------------------|---------------------|----------------------|---------------------|--------------|
| 11/20/2011 | Tie On | 2,120.00 | 18.98 | 217.76 | 2,048.75 | -360.36 | -293.77 | 464.91 | 0.00 | 0.00 | 0.00 | 0.00 |
| 11/21/2011 | NORMAL | 2,170.00 | 19.91 | 219.64 | 2,095.89 | -373.35 | -304.18 | 481.55 | 2.24 | 1.86 | 3.76 | 34.83 |
| | NORMAL | 2,261.00 | 18.53 | 214.76 | 2,181.83 | -397.16 | -322.31 | 511.45 | 2.33 | -1.52 | -5.36 | -132.95 |
| | NORMAL | 2,352.00 | 17.06 | 215.84 | 2,268.47 | -419.86 | -338.37 | 539.17 | 1.66 | -1.62 | 1.19 | 167.86 |
| | NORMAL | 2,442.00 | 14.88 | 217.01 | 2,354.99 | -439.79 | -353.06 | 563.89 | 2.45 | -2.42 | 1.30 | 172.16 |
| | NORMAL | 2,533.00 | 14.13 | 218.51 | 2,443.09 | -457.82 | -367.01 | 586.67 | 0.92 | -0.82 | 1.65 | 154.12 |
| | NORMAL | 2,623.00 | 13.56 | 217.39 | 2,530.48 | -474.80 | -380.26 | 608.19 | 0.70 | -0.63 | -1.24 | -155.36 |
| | NORMAL | 2,714.00 | 12.38 | 220.01 | 2,619.15 | -490.74 | -393.01 | 628.61 | 1.45 | -1.30 | 2.88 | 154.78 |
| | NORMAL | 2,804.00 | 11.19 | 222.26 | 2,707.26 | -504.60 | -405.08 | 646.98 | 1.42 | -1.32 | 2.50 | 159.98 |
| | NORMAL | 2,895.00 | 9.44 | 221.76 | 2,796.78 | -516.70 | -415.99 | 663.26 | 1.93 | -1.92 | -0.55 | -177.32 |
| | NORMAL | 2,985.00 | 7.50 | 222.26 | 2,885.80 | -526.55 | -424.86 | 676.51 | 2.16 | -2.16 | 0.56 | 178.07 |
| | NORMAL | 3,076.00 | 6.63 | 227.01 | 2,976.10 | -534.53 | -432.70 | 687.65 | 1.15 | -0.96 | 5.22 | 148.46 |
| | NORMAL | 3,166.00 | 5.81 | 224.26 | 3,065.57 | -541.34 | -439.68 | 697.35 | 0.97 | -0.91 | -3.06 | -161.39 |
| | NORMAL | 3,257.00 | 3.75 | 222.01 | 3,156.25 | -546.85 | -444.88 | 704.91 | 2.27 | -2.26 | -2.47 | -175.92 |
| | NORMAL | 3,348.00 | 3.88 | 209.64 | 3,247.05 | -551.73 | -448.40 | 710.92 | 0.91 | 0.14 | -13.59 | -87.23 |
| | NORMAL | 3,438.00 | 2.25 | 213.51 | 3,336.92 | -555.85 | -450.88 | 715.67 | 1.82 | -1.81 | 4.30 | 174.69 |
| | NORMAL | 3,529.00 | 1.06 | 224.64 | 3,427.88 | -557.94 | -452.46 | 718.29 | 1.35 | -1.31 | 12.23 | 170.40 |
| | NORMAL | 3,620.00 | 0.63 | 26.26 | 3,518.88 | -558.09 | -452.83 | 718.64 | 1.83 | -0.47 | 177.60 | 173.17 |
| | NORMAL | 3,710.00 | 0.44 | 134.26 | 3,608.88 | -557.89 | -452.36 | 718.18 | 0.97 | -0.21 | 120.00 | 151.35 |
| | NORMAL | 3,801.00 | 0.81 | 144.89 | 3,699.87 | -558.66 | -451.74 | 718.38 | 0.42 | 0.41 | 11.68 | 22.76 |
| | NORMAL | 3,892.00 | 0.69 | 147.64 | 3,790.86 | -559.65 | -451.08 | 718.72 | 0.14 | -0.13 | 3.02 | 164.67 |
| | NORMAL | 3,982.00 | 1.00 | 150.14 | 3,880.85 | -560.79 | -450.40 | 719.16 | 0.35 | 0.34 | 2.78 | 8.03 |
| | NORMAL | 4,073.00 | 1.25 | 150.76 | 3,971.83 | -562.34 | -449.52 | 719.79 | 0.28 | 0.27 | 0.68 | 3.10 |
| | NORMAL | 4,163.00 | 0.88 | 78.14 | 4,061.82 | -563.06 | -448.36 | 719.60 | 1.44 | -0.41 | -80.69 | -139.61 |
| | NORMAL | 4,254.00 | 0.81 | 93.26 | 4,152.81 | -562.95 | -447.03 | 718.67 | 0.26 | -0.08 | 16.62 | 114.89 |
| | NORMAL | 4,345.00 | 0.56 | 117.64 | 4,243.81 | -563.19 | -446.00 | 718.19 | 0.42 | -0.27 | 26.79 | 142.38 |
| | NORMAL | 4,435.00 | 0.50 | 129.26 | 4,333.80 | -563.65 | -445.30 | 718.10 | 0.14 | -0.07 | 12.91 | 124.90 |
| | NORMAL | 4,526.00 | 0.69 | 147.26 | 4,424.80 | -564.36 | -444.70 | 718.26 | 0.29 | 0.21 | 19.78 | 53.77 |
| | NORMAL | 4,617.00 | 0.75 | 137.01 | 4,515.79 | -565.25 | -444.00 | 718.50 | 0.16 | 0.07 | -11.26 | -70.21 |
| | NORMAL | 4,707.00 | 0.94 | 143.89 | 4,605.78 | -566.28 | -443.16 | 718.75 | 0.24 | 0.21 | 7.64 | 31.57 |
| | NORMAL | 4,798.00 | 0.81 | 154.51 | 4,696.77 | -567.47 | -442.44 | 719.20 | 0.23 | -0.14 | 11.67 | 133.94 |

2.2.2 Survey Stations (Continued)

| Date | Type | MD (usft) | Inc (°) | Azi (°) | TVD (usft) | N/S (usft) | E/W (usft) | V. Sec (usft) | DLeg (°/100usft) | Build (°/100usft) | Turn (°/100usft) | TFace (°) |
|------------|--------|--------------|------------|------------|---------------|---------------|---------------|------------------|-------------------------|--------------------------|-------------------------|--------------|
| 11/21/2011 | NORMAL | 4,889.00 | 0.88 | 167.64 | 4,787.76 | -568.73 | -442.02 | 719.90 | 0.23 | 0.08 | 14.43 | 76.77 |
| | NORMAL | 4,979.00 | 0.75 | 160.89 | 4,877.75 | -569.96 | -441.68 | 720.63 | 0.18 | -0.14 | -7.50 | -146.90 |
| | NORMAL | 5,070.00 | 0.81 | 161.89 | 4,968.74 | -571.13 | -441.28 | 721.28 | 0.07 | 0.07 | 1.10 | 13.28 |
| | NORMAL | 5,161.00 | 0.94 | 167.89 | 5,059.73 | -572.48 | -440.93 | 722.08 | 0.17 | 0.14 | 6.59 | 38.20 |
| | NORMAL | 5,251.00 | 0.56 | 357.14 | 5,149.73 | -572.76 | -440.79 | 722.22 | 1.66 | -0.42 | -189.72 | -176.55 |
| | NORMAL | 5,342.00 | 0.25 | 14.76 | 5,240.73 | -572.12 | -440.76 | 721.71 | 0.36 | -0.34 | 19.36 | 166.76 |
| | NORMAL | 5,433.00 | 0.06 | 101.01 | 5,331.73 | -571.94 | -440.67 | 721.51 | 0.28 | -0.21 | 94.78 | 166.33 |
| | NORMAL | 5,523.00 | 0.25 | 92.26 | 5,421.73 | -571.96 | -440.42 | 721.36 | 0.21 | 0.21 | -9.72 | -11.49 |
| | NORMAL | 5,614.00 | 0.36 | 79.08 | 5,512.72 | -571.91 | -439.94 | 721.02 | 0.14 | 0.12 | -14.48 | -39.24 |
| | NORMAL | 5,705.00 | 0.44 | 117.76 | 5,603.72 | -572.02 | -439.36 | 720.73 | 0.30 | 0.09 | 42.51 | 93.44 |
| | NORMAL | 5,795.00 | 0.38 | 101.39 | 5,693.72 | -572.24 | -438.76 | 720.51 | 0.15 | -0.07 | -18.19 | -125.15 |
| | NORMAL | 5,886.00 | 0.50 | 86.76 | 5,784.72 | -572.28 | -438.06 | 720.10 | 0.18 | 0.13 | -16.08 | -50.58 |
| | NORMAL | 5,977.00 | 0.56 | 99.14 | 5,875.71 | -572.32 | -437.23 | 719.60 | 0.14 | 0.07 | 13.60 | 68.63 |
| | NORMAL | 6,067.00 | 0.81 | 118.89 | 5,965.71 | -572.70 | -436.24 | 719.26 | 0.38 | 0.28 | 21.94 | 53.52 |
| | NORMAL | 6,158.00 | 0.06 | 115.14 | 6,056.70 | -573.03 | -435.63 | 719.13 | 0.82 | -0.82 | -4.12 | -179.70 |
| | NORMAL | 6,249.00 | 0.13 | 142.76 | 6,147.70 | -573.13 | -435.53 | 719.14 | 0.09 | 0.08 | 30.35 | 47.52 |
| | NORMAL | 6,339.00 | 0.38 | 156.76 | 6,237.70 | -573.49 | -435.35 | 719.29 | 0.28 | 0.28 | 15.56 | 21.06 |
| | NORMAL | 6,430.00 | 0.69 | 138.51 | 6,328.70 | -574.18 | -434.86 | 719.52 | 0.38 | 0.34 | -20.05 | -38.13 |
| | NORMAL | 6,521.00 | 0.81 | 53.89 | 6,419.69 | -574.21 | -433.98 | 718.97 | 1.11 | 0.13 | -92.99 | -127.28 |
| | NORMAL | 6,611.00 | 0.75 | 81.76 | 6,509.69 | -573.75 | -432.88 | 717.92 | 0.42 | -0.07 | 30.97 | 112.75 |
| 11/22/2011 | NORMAL | 6,702.00 | 0.81 | 128.64 | 6,600.68 | -574.07 | -431.79 | 717.46 | 0.68 | 0.07 | 51.52 | 108.37 |
| | NORMAL | 6,793.00 | 1.13 | 156.51 | 6,691.66 | -575.29 | -430.93 | 717.86 | 0.62 | 0.35 | 30.63 | 70.32 |
| | NORMAL | 6,883.00 | 0.13 | 344.14 | 6,781.66 | -576.01 | -430.61 | 718.20 | 1.40 | -1.11 | -191.52 | -179.21 |
| | NORMAL | 6,974.00 | 0.94 | 317.39 | 6,872.66 | -575.36 | -431.14 | 718.04 | 0.91 | 0.89 | -29.40 | -30.81 |
| | NORMAL | 7,065.00 | 2.06 | 325.76 | 6,963.62 | -573.46 | -432.57 | 717.49 | 1.25 | 1.23 | 9.20 | 15.27 |
| | NORMAL | 7,156.00 | 1.56 | 324.51 | 7,054.58 | -571.10 | -434.21 | 716.72 | 0.55 | -0.55 | -1.37 | -176.11 |
| | NORMAL | 7,246.00 | 0.88 | 307.14 | 7,144.56 | -569.68 | -435.47 | 716.44 | 0.85 | -0.76 | -19.30 | -159.96 |
| | NORMAL | 7,337.00 | 2.56 | 312.64 | 7,235.51 | -567.88 | -437.52 | 716.37 | 1.85 | 1.85 | 6.04 | 8.37 |
| | NORMAL | 7,428.00 | 2.31 | 312.39 | 7,326.43 | -565.27 | -440.37 | 716.19 | 0.27 | -0.27 | -0.27 | -177.69 |
| | NORMAL | 7,518.00 | 1.63 | 303.26 | 7,416.38 | -563.34 | -442.78 | 716.25 | 0.83 | -0.76 | -10.14 | -159.74 |
| | NORMAL | 7,609.00 | 1.38 | 286.51 | 7,507.35 | -562.32 | -444.91 | 716.83 | 0.55 | -0.27 | -18.41 | -127.80 |
| | NORMAL | 7,700.00 | 1.44 | 277.76 | 7,598.32 | -561.86 | -447.10 | 717.87 | 0.25 | 0.07 | -9.62 | -78.83 |
| | NORMAL | 7,790.00 | 1.13 | 263.01 | 7,688.30 | -561.81 | -449.10 | 719.11 | 0.50 | -0.34 | -16.39 | -140.36 |
| | NORMAL | 7,881.00 | 0.88 | 250.01 | 7,779.28 | -562.16 | -450.64 | 720.37 | 0.37 | -0.27 | -14.29 | -144.01 |
| | NORMAL | 7,972.00 | 0.75 | 237.01 | 7,870.27 | -562.72 | -451.80 | 721.54 | 0.25 | -0.14 | -14.29 | -131.49 |
| | NORMAL | 8,063.00 | 0.69 | 240.89 | 7,961.26 | -563.31 | -452.78 | 722.62 | 0.08 | -0.07 | 4.26 | 142.83 |
| | NORMAL | 8,153.00 | 0.63 | 198.26 | 8,051.26 | -564.05 | -453.41 | 723.59 | 0.54 | -0.07 | -47.37 | -117.96 |
| | NORMAL | 8,244.00 | 0.69 | 191.76 | 8,142.25 | -565.06 | -453.68 | 724.54 | 0.11 | 0.07 | -7.14 | -54.57 |
| | NORMAL | 8,370.00 | 1.27 | 199.39 | 8,268.23 | -567.12 | -454.29 | 726.52 | 0.47 | 0.46 | 6.06 | 16.51 |
| | NORMAL | 8,420.00 | 1.27 | 199.39 | 8,318.22 | -568.16 | -454.66 | 727.55 | 0.00 | 0.00 | 0.00 | 0.00 |

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

FORM 6

ENTITY ACTION FORM

Operator: KERR MCGEE OIL & GAS ONSHORE LP Operator Account Number: N 2995
 Address: P.O. Box 173779
city DENVER
state CO zip 80217 Phone Number: (720) 929-6029

Well 1

| API Number | Well Name | | QQ | Sec | Twp | Rng | County |
|--|-----------------------|-------------------|-----------|-----|-----|----------------------------------|-----------|
| See Atchmt | See Atchmt | | | | | | |
| Action Code | Current Entity Number | New Entity Number | Spud Date | | | Entity Assignment Effective Date | |
| | 99999 | 18519 | | | | 5/11/2012 | |
| Comments: Please see attachment with list of Wells in the Ponderosa Unit. <u>W5MVD</u> | | | | | | | 5/30/2012 |

Well 2

| API Number | Well Name | | QQ | Sec | Twp | Rng | County |
|------------------|-----------------------|-------------------|-----------|-----|-----|----------------------------------|--------|
| | | | | | | | |
| Action Code | Current Entity Number | New Entity Number | Spud Date | | | Entity Assignment Effective Date | |
| | | | | | | | |
| Comments: | | | | | | | |

Well 3

| API Number | Well Name | | QQ | Sec | Twp | Rng | County |
|------------------|-----------------------|-------------------|-----------|-----|-----|----------------------------------|--------|
| | | | | | | | |
| Action Code | Current Entity Number | New Entity Number | Spud Date | | | Entity Assignment Effective Date | |
| | | | | | | | |
| Comments: | | | | | | | |

ACTION CODES:

- A - Establish new entity for new well (single well only)
- B - Add new well to existing entity (group or unit well)
- C - Re-assign well from one existing entity to another existing entity
- D - Re-assign well from one existing entity to a new entity
- E - Other (Explain in 'comments' section)

RECEIVED

MAY 21 2012

Cara Mahler

Name (Please Print)

Signature

REGULATORY ANALYST

5/21/2012

Title

Date

| well_name | sec | twp | rng | api | entity | lease | well | stat | qtr_qtr | bhl | surf | zone | a_stat | l_num | op_no |
|-------------------------------|-----|------|------|------------|--------|-------|------|------|---------|-----|------|-------|--------|-----------|-------|
| SOUTHMAN CANYON 31-3 | 31 | 090S | 230E | 4304734726 | 13717 | 1 | GW | P | SENW | | 1 | WSMVD | P | U-33433 | N2995 |
| SOUTHMAN CANYON 31-4 | 31 | 090S | 230E | 4304734727 | 13742 | 1 | GW | S | SESW | | 1 | WSMVD | S | UTU-33433 | N2995 |
| SOUTHMAN CYN 31-2X (RIG SKID) | 31 | 090S | 230E | 4304734898 | 13755 | 1 | GW | P | NWNW | | 1 | WSMVD | P | U-33433 | N2995 |
| SOUTHMAN CYN 923-31J | 31 | 090S | 230E | 4304735149 | 13994 | 1 | GW | P | NWSE | | 1 | MVRD | P | U-33433 | N2995 |
| SOUTHMAN CYN 923-31B | 31 | 090S | 230E | 4304735150 | 13953 | 1 | GW | P | NWNE | | 1 | MVRD | P | U-33433 | N2995 |
| SOUTHMAN CYN 923-31P | 31 | 090S | 230E | 4304735288 | 14037 | 1 | GW | P | SESE | | 1 | WSMVD | P | UTU-33433 | N2995 |
| SOUTHMAN CYN 923-31H | 31 | 090S | 230E | 4304735336 | 14157 | 1 | GW | P | SENE | | 1 | WSMVD | P | U-33433 | N2995 |
| SOUTHMAN CYN 923-31O | 31 | 090S | 230E | 4304737205 | 16827 | 1 | GW | P | SWSE | | 1 | MVRD | P | UTU-33433 | N2995 |
| SOUTHMAN CYN 923-31K | 31 | 090S | 230E | 4304737206 | 16503 | 1 | GW | P | NESW | | 1 | WSMVD | P | UTU-33433 | N2995 |
| SOUTHMAN CYN 923-31G | 31 | 090S | 230E | 4304737208 | 16313 | 1 | GW | P | SWNE | | 1 | WSMVD | P | UTU-33433 | N2995 |
| SOUTHMAN CYN 923-31E | 31 | 090S | 230E | 4304737209 | 16521 | 1 | GW | P | SWNW | | 1 | WSMVD | P | UTU-33433 | N2995 |
| SOUTHMAN CYN 923-31A | 31 | 090S | 230E | 4304737210 | 16472 | 1 | GW | P | NENE | | 1 | WSMVD | P | UTU-33433 | N2995 |
| SOUTHMAN CYN 923-31C | 31 | 090S | 230E | 4304737227 | 16522 | 1 | GW | P | NENW | | 1 | WSMVD | P | UTU-33433 | N2995 |
| BONANZA 1023-1G | 01 | 100S | 230E | 4304735512 | 14458 | 1 | GW | P | SWNE | | 1 | WSMVD | P | U-40736 | N2995 |
| BONANZA 1023-1A | 01 | 100S | 230E | 4304735717 | 14526 | 1 | GW | P | NENE | | 1 | WSMVD | P | U-40736 | N2995 |
| BONANZA 1023-1E | 01 | 100S | 230E | 4304735745 | 14524 | 1 | GW | P | SWNW | | 1 | WSMVD | P | U-40736 | N2995 |
| BONANZA 1023-1C | 01 | 100S | 230E | 4304735754 | 14684 | 1 | GW | P | NENW | | 1 | MVRD | P | U-40736 | N2995 |
| BONANZA 1023-1K | 01 | 100S | 230E | 4304735755 | 15403 | 1 | GW | P | NESW | | 1 | MVRD | P | U-38423 | N2995 |
| BONANZA 1023-1F | 01 | 100S | 230E | 4304737379 | 16872 | 1 | GW | P | SENW | | 1 | MVRD | P | UTU-40736 | N2995 |
| BONANZA 1023-1B | 01 | 100S | 230E | 4304737380 | 16733 | 1 | GW | P | NWNE | | 1 | MVRD | P | UTU-40736 | N2995 |
| BONANZA 1023-1D | 01 | 100S | 230E | 4304737381 | 16873 | 1 | GW | P | NWNW | | 1 | MVRD | P | UTU-40736 | N2995 |
| BONANZA 1023-1H | 01 | 100S | 230E | 4304737430 | 16901 | 1 | GW | P | SENE | | 1 | MVRD | P | UTU-40736 | N2995 |
| BONANZA 1023-1L | 01 | 100S | 230E | 4304738300 | 16735 | 1 | GW | P | NWSW | | 1 | MVRD | P | UTU-38423 | N2995 |
| BONANZA 1023-1J | 01 | 100S | 230E | 4304738302 | 16871 | 1 | GW | P | NWSE | | 1 | MVRD | P | UTU-40736 | N2995 |
| BONANZA 1023-1I | 01 | 100S | 230E | 4304738810 | 16750 | 1 | GW | P | NESE | | 1 | MVRD | P | UTU-40736 | N2995 |
| BONANZA 1023-2E | 02 | 100S | 230E | 4304735345 | 14085 | 3 | GW | P | SWNW | | 3 | WSMVD | P | ML-47062 | N2995 |
| BONANZA 1023-2C | 02 | 100S | 230E | 4304735346 | 14084 | 3 | GW | P | NENW | | 3 | WSMVD | P | ML-47062 | N2995 |
| BONANZA 1023-2A | 02 | 100S | 230E | 4304735347 | 14068 | 3 | GW | P | NENE | | 3 | MVRD | P | ML-47062 | N2995 |
| BONANZA 1023-2G | 02 | 100S | 230E | 4304735661 | 14291 | 3 | GW | P | SWNE | | 3 | WSMVD | P | ML-47062 | N2995 |
| BONANZA 1023-2O | 02 | 100S | 230E | 4304735662 | 14289 | 3 | GW | P | SWSE | | 3 | WSMVD | P | ML-47062 | N2995 |
| BONANZA 1023-2I | 02 | 100S | 230E | 4304735663 | 14290 | 3 | GW | S | NESE | | 3 | WSMVD | S | ML-47062 | N2995 |
| BONANZA 1023-2MX | 02 | 100S | 230E | 4304736092 | 14730 | 3 | GW | P | SWSW | | 3 | WSMVD | P | ML-47062 | N2995 |
| BONANZA 1023-2H | 02 | 100S | 230E | 4304737093 | 16004 | 3 | GW | P | SENE | | 3 | WSMVD | P | ML-47062 | N2995 |
| BONANZA 1023-2D | 02 | 100S | 230E | 4304737094 | 15460 | 3 | GW | P | NWNW | | 3 | WSMVD | P | ML-47062 | N2995 |
| BONANZA 1023-2B | 02 | 100S | 230E | 4304737095 | 15783 | 3 | GW | P | NWNE | | 3 | MVRD | P | ML-47062 | N2995 |
| BONANZA 1023-2P | 02 | 100S | 230E | 4304737223 | 15970 | 3 | GW | P | SESE | | 3 | WSMVD | P | ML-47062 | N2995 |
| BONANZA 1023-2N | 02 | 100S | 230E | 4304737224 | 15887 | 3 | GW | P | SESW | | 3 | MVRD | P | ML-47062 | N2995 |
| BONANZA 1023-2L | 02 | 100S | 230E | 4304737225 | 15833 | 3 | GW | P | NWSW | | 3 | WSMVD | P | ML-47062 | N2995 |
| BONANZA 1023-2F | 02 | 100S | 230E | 4304737226 | 15386 | 3 | GW | P | SENW | | 3 | WSMVD | P | ML-47062 | N2995 |
| BONANZA 1023-2D-4 | 02 | 100S | 230E | 4304738761 | 16033 | 3 | GW | P | NWNW | | 3 | WSMVD | P | ML-47062 | N2995 |
| BONANZA 1023-2O-1 | 02 | 100S | 230E | 4304738762 | 16013 | 3 | GW | P | SWSE | | 3 | WSMVD | P | ML-47062 | N2995 |
| BONANZA 1023-2H3CS | 02 | 100S | 230E | 4304750344 | 17426 | 3 | GW | P | NWNE | D | 3 | MVRD | P | ML 47062 | N2995 |
| BONANZA 1023-2G3BS | 02 | 100S | 230E | 4304750345 | 17428 | 3 | GW | P | NWNE | D | 3 | MVRD | P | ML 47062 | N2995 |
| BONANZA 1023-2G2CS | 02 | 100S | 230E | 4304750346 | 17429 | 3 | GW | P | NWNE | D | 3 | MVRD | P | ML 47062 | N2995 |
| BONANZA 1023-2G1BS | 02 | 100S | 230E | 4304750347 | 17427 | 3 | GW | P | NWNE | D | 3 | MVRD | P | ML 47062 | N2995 |

| | | | | | | | | | | | | | | | |
|----------------------------|----|------|------|------------|-------|---|----|-----|------|---|---|-------|-----|-----------|-------|
| BONANZA 1023-2M1S | 02 | 100S | 230E | 4304750379 | 17443 | 3 | GW | P | SENW | D | 3 | MVRD | P | ML 47062 | N2995 |
| BONANZA 1023-2L2S | 02 | 100S | 230E | 4304750380 | 17444 | 3 | GW | P | SENW | D | 3 | MVRD | P | ML 47062 | N2995 |
| BONANZA 1023-2K4S | 02 | 100S | 230E | 4304750381 | 17446 | 3 | GW | P | SENW | D | 3 | MVRD | P | ML 47062 | N2995 |
| BONANZA 1023-2K1S | 02 | 100S | 230E | 4304750382 | 17445 | 3 | GW | P | SENW | D | 3 | WSMVD | P | ML 47062 | N2995 |
| BONANZA 4-6 * | 04 | 100S | 230E | 4304734751 | 13841 | 1 | GW | P | NESW | | 1 | MNCS | P | UTU-33433 | N2995 |
| BONANZA 1023-4A | 04 | 100S | 230E | 4304735360 | 14261 | 1 | GW | P | NENE | | 1 | WSMVD | P | U-33433 | N2995 |
| BONANZA 1023-4E | 04 | 100S | 230E | 4304735392 | 14155 | 1 | GW | P | SWNW | | 1 | WSMVD | P | U-33433 | N2995 |
| BONANZA 1023-4C | 04 | 100S | 230E | 4304735437 | 14252 | 1 | GW | P | NENW | | 1 | WSMVD | P | U-33433 | N2995 |
| BONANZA 1023-4M | 04 | 100S | 230E | 4304735629 | 14930 | 1 | GW | P | SWSW | | 1 | WSMVD | P | U-33433 | N2995 |
| BONANZA 1023-4O | 04 | 100S | 230E | 4304735688 | 15111 | 1 | GW | P | SWSE | | 1 | WSMVD | P | UTU-33433 | N2995 |
| BONANZA 1023-4I | 04 | 100S | 230E | 4304735689 | 14446 | 1 | GW | P | NESE | | 1 | MVRD | P | UTU-33433 | N2995 |
| BONANZA 1023-4G | 04 | 100S | 230E | 4304735746 | 14445 | 1 | GW | P | SWNE | | 1 | WSMVD | P | UTU-33433 | N2995 |
| BONANZA 1023-4D | 04 | 100S | 230E | 4304737315 | 16352 | 1 | GW | P | NWNW | | 1 | WSMVD | P | UTU-33433 | N2995 |
| BONANZA 1023-4H | 04 | 100S | 230E | 4304737317 | 16318 | 1 | GW | P | SENE | | 1 | WSMVD | P | UTU-33433 | N2995 |
| BONANZA 1023-4B | 04 | 100S | 230E | 4304737328 | 16351 | 1 | GW | P | NWNE | | 1 | MVRD | P | UTU-33433 | N2995 |
| BONANZA 1023-4L | 04 | 100S | 230E | 4304738211 | 16393 | 1 | GW | P | NWSW | | 1 | MVRD | P | UTU-33433 | N2995 |
| BONANZA 1023-4P | 04 | 100S | 230E | 4304738212 | 16442 | 1 | GW | P | SESE | | 1 | WSMVD | P | UTU-33433 | N2995 |
| BONANZA 1023-4N | 04 | 100S | 230E | 4304738303 | 16395 | 1 | GW | P | SESW | | 1 | WSMVD | P | UTU-33433 | N2995 |
| BONANZA 1023-4FX (RIGSKID) | 04 | 100S | 230E | 4304739918 | 16356 | 1 | GW | P | SENW | | 1 | WSMVD | P | UTU-33433 | N2995 |
| BONANZA 1023-5O | 05 | 100S | 230E | 4304735438 | 14297 | 1 | GW | P | SWSE | | 1 | WSMVD | P | U-33433 | N2995 |
| BONANZA 1023-5AX (RIGSKID) | 05 | 100S | 230E | 4304735809 | 14243 | 1 | GW | P | NENE | | 1 | WSMVD | P | U-33433 | N2995 |
| BONANZA 1023-5C | 05 | 100S | 230E | 4304736176 | 14729 | 1 | GW | P | NENW | | 1 | WSMVD | P | UTU-33433 | N2995 |
| BONANZA 1023-5G | 05 | 100S | 230E | 4304736177 | 14700 | 1 | GW | P | SWNE | | 1 | WSMVD | P | UTU-33433 | N2995 |
| BONANZA 1023-5M | 05 | 100S | 230E | 4304736178 | 14699 | 1 | GW | P | SWSW | | 1 | WSMVD | P | UTU-73450 | N2995 |
| BONANZA 1023-5K | 05 | 100S | 230E | 4304736741 | 15922 | 1 | GW | P | NESW | | 1 | WSMVD | P | UTU-33433 | N2995 |
| BONANZA 1023-5B | 05 | 100S | 230E | 4304737318 | 16904 | 1 | GW | P | NWNE | | 1 | WSMVD | P | UTU-33433 | N2995 |
| BONANZA 1023-5E | 05 | 100S | 230E | 4304737319 | 16824 | 1 | GW | P | SWNW | | 1 | WSMVD | P | UTU-33433 | N2995 |
| BONANZA 1023-5H | 05 | 100S | 230E | 4304737320 | 16793 | 1 | GW | P | SENE | | 1 | WSMVD | P | UTU-33433 | N2995 |
| BONANZA 1023-5N | 05 | 100S | 230E | 4304737321 | 16732 | 1 | GW | P | SESW | | 1 | WSMVD | P | UTU-73450 | N2995 |
| BONANZA 1023-5L | 05 | 100S | 230E | 4304737322 | 16825 | 1 | GW | P | NWSW | | 1 | MVRD | P | UTU-33433 | N2995 |
| BONANZA 1023-5J | 05 | 100S | 230E | 4304737428 | 17055 | 1 | GW | P | NWSE | | 1 | WSMVD | P | UTU-33433 | N2995 |
| BONANZA 1023-5P | 05 | 100S | 230E | 4304738213 | 16795 | 1 | GW | P | SESE | | 1 | MVRD | P | UTU-33433 | N2995 |
| BONANZA 1023-5N-1 | 05 | 100S | 230E | 4304738911 | 17060 | 1 | GW | P | SESW | | 1 | WSMVD | P | UTU-73450 | N2995 |
| BONANZA 1023-5PS | 05 | 100S | 230E | 4304750169 | 17323 | 1 | GW | P | NESE | D | 1 | WSMVD | P | UTU-33433 | N2995 |
| BONANZA 1023-5G2AS | 05 | 100S | 230E | 4304750486 | 17459 | 1 | GW | P | SWNE | D | 1 | MVRD | P | UTU 33433 | N2995 |
| BONANZA 1023-5G2CS | 05 | 100S | 230E | 4304750487 | 17462 | 1 | GW | P | SWNE | D | 1 | MVRD | P | UTU 33433 | N2995 |
| BONANZA 1023-5G3BS | 05 | 100S | 230E | 4304750488 | 17461 | 1 | GW | P | SWNE | D | 1 | MVRD | P | UTU 33433 | N2995 |
| BONANZA 1023-5G3CS | 05 | 100S | 230E | 4304750489 | 17460 | 1 | GW | P | SWNE | D | 1 | MVRD | P | UTU 33433 | N2995 |
| BONANZA 1023-5N4AS | 05 | 100S | 230E | 4304752080 | 18484 | 1 | GW | DRL | SWSW | D | 1 | WSMVD | DRL | UTU73450 | N2995 |
| BONANZA 1023-8C2DS | 05 | 100S | 230E | 4304752081 | 18507 | 1 | GW | DRL | SWSW | D | 1 | WSMVD | DRL | UTU37355 | N2995 |
| BONANZA 6-2 | 06 | 100S | 230E | 4304734843 | 13796 | 1 | GW | TA | NESW | | 1 | WSMVD | TA | UTU-38419 | N2995 |
| BONANZA 1023-6C | 06 | 100S | 230E | 4304735153 | 13951 | 1 | GW | P | NENW | | 1 | MVRD | P | U-38419 | N2995 |
| BONANZA 1023-6E | 06 | 100S | 230E | 4304735358 | 14170 | 1 | GW | P | SWNW | | 1 | MVRD | P | U-38419 | N2995 |
| BONANZA 1023-6M | 06 | 100S | 230E | 4304735359 | 14233 | 1 | GW | P | SWSW | | 1 | WSMVD | P | U-38419 | N2995 |
| BONANZA 1023-6G | 06 | 100S | 230E | 4304735439 | 14221 | 1 | GW | P | SWNE | | 1 | WSMVD | P | UTU-38419 | N2995 |
| BONANZA 1023-6O | 06 | 100S | 230E | 4304735630 | 14425 | 1 | GW | TA | SWSE | | 1 | WSMVD | TA | U-38419 | N2995 |

* not moved in unit

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|----------------------------|----|------|------|------------|-------|--|--|---|----|----|------|---|---|-------|----|-----------|-------|
| BONANZA 1023-6A | 06 | 100S | 230E | 4304736067 | 14775 | | | 1 | GW | P | NENE | | 1 | WSMVD | P | U-33433 | N2995 |
| BONANZA 1023-6N | 06 | 100S | 230E | 4304737211 | 15672 | | | 1 | GW | P | SESW | | 1 | WSMVD | P | UTU-38419 | N2995 |
| BONANZA 1023-6L | 06 | 100S | 230E | 4304737212 | 15673 | | | 1 | GW | P | NWSW | | 1 | WSMVD | P | UTU-38419 | N2995 |
| BONANZA 1023-6J | 06 | 100S | 230E | 4304737213 | 15620 | | | 1 | GW | P | NWSE | | 1 | WSMVD | P | UTU-38419 | N2995 |
| BONANZA 1023-6F | 06 | 100S | 230E | 4304737214 | 15576 | | | 1 | GW | TA | SENW | | 1 | WSMVD | TA | UTU-38419 | N2995 |
| BONANZA 1023-6P | 06 | 100S | 230E | 4304737323 | 16794 | | | 1 | GW | P | SESE | | 1 | WSMVD | P | UTU-38419 | N2995 |
| BONANZA 1023-6H | 06 | 100S | 230E | 4304737324 | 16798 | | | 1 | GW | S | SENE | | 1 | WSMVD | S | UTU-33433 | N2995 |
| BONANZA 1023-6D | 06 | 100S | 230E | 4304737429 | 17020 | | | 1 | GW | P | NWNW | | 1 | WSMVD | P | UTU-38419 | N2995 |
| BONANZA 1023-6B | 06 | 100S | 230E | 4304740398 | 18291 | | | 1 | GW | P | NWNE | | 1 | WSMVD | P | UTU-33433 | N2995 |
| BONANZA 1023-6M1BS | 06 | 100S | 230E | 4304750452 | 17578 | | | 1 | GW | P | NWSW | D | 1 | WSMVD | P | UTU 38419 | N2995 |
| BONANZA 1023-6N1AS | 06 | 100S | 230E | 4304750453 | 17581 | | | 1 | GW | P | NWSW | D | 1 | WSMVD | P | UTU 38419 | N2995 |
| BONANZA 1023-6N1CS | 06 | 100S | 230E | 4304750454 | 17580 | | | 1 | GW | P | NWSW | D | 1 | WSMVD | P | UTU 38419 | N2995 |
| BONANZA 1023-6N4BS | 06 | 100S | 230E | 4304750455 | 17579 | | | 1 | GW | P | NWSW | D | 1 | WSMVD | P | UTU 38419 | N2995 |
| BONANZA 1023-6I2S | 06 | 100S | 230E | 4304750457 | 17790 | | | 1 | GW | P | NESE | D | 1 | WSMVD | P | UTU 38419 | N2995 |
| BONANZA 1023-6I4S | 06 | 100S | 230E | 4304750458 | 17792 | | | 1 | GW | P | NESE | D | 1 | WSMVD | P | UTU 38419 | N2995 |
| BONANZA 1023-6J3S | 06 | 100S | 230E | 4304750459 | 17791 | | | 1 | GW | P | NESE | D | 1 | WSMVD | P | UTU 38419 | N2995 |
| BONANZA 1023-6P1S | 06 | 100S | 230E | 4304750460 | 17793 | | | 1 | GW | P | NESE | D | 1 | WSMVD | P | UTU 38419 | N2995 |
| BONANZA 1023-6A2CS | 06 | 100S | 230E | 4304751430 | 18292 | | | 1 | GW | P | NWNE | D | 1 | WSMVD | P | UTU33433 | N2995 |
| BONANZA 1023-6B4BS | 06 | 100S | 230E | 4304751431 | 18293 | | | 1 | GW | P | NWNE | D | 1 | WSMVD | P | UTU33433 | N2995 |
| BONANZA 1023-6B4CS | 06 | 100S | 230E | 4304751432 | 18294 | | | 1 | GW | P | NWNE | D | 1 | WSMVD | P | UTU33433 | N2995 |
| BONANZA 1023-6C4BS | 06 | 100S | 230E | 4304751449 | 18318 | | | 1 | GW | P | NENW | D | 1 | WSMVD | P | UTU38419 | N2995 |
| BONANZA 1023-6D1DS | 06 | 100S | 230E | 4304751451 | 18316 | | | 1 | GW | P | NENW | D | 1 | WSMVD | P | UTU38419 | N2995 |
| FLAT MESA FEDERAL 2-7 | 07 | 100S | 230E | 4304730545 | 18244 | | | 1 | GW | S | NENW | | 1 | WSMVD | S | U-38420 | N2995 |
| BONANZA 1023-7B | 07 | 100S | 230E | 4304735172 | 13943 | | | 1 | GW | P | NWNE | | 1 | MVRD | P | U-38420 | N2995 |
| BONANZA 1023-7L | 07 | 100S | 230E | 4304735289 | 14054 | | | 1 | GW | P | NWSW | | 1 | WSMVD | P | U-38420 | N2995 |
| BONANZA 1023-7D | 07 | 100S | 230E | 4304735393 | 14171 | | | 1 | GW | P | NWNW | | 1 | WSMVD | P | U-38420 | N2995 |
| BONANZA 1023-7P | 07 | 100S | 230E | 4304735510 | 14296 | | | 1 | GW | P | SESE | | 1 | WSMVD | P | U-38420 | N2995 |
| BONANZA 1023-7H | 07 | 100S | 230E | 4304736742 | 15921 | | | 1 | GW | P | SENE | | 1 | WSMVD | P | UTU-38420 | N2995 |
| BONANZA 1023-7NX (RIGSKID) | 07 | 100S | 230E | 4304736932 | 15923 | | | 1 | GW | P | SESW | | 1 | WSMVD | P | UTU-38420 | N2995 |
| BONANZA 1023-7M | 07 | 100S | 230E | 4304737215 | 16715 | | | 1 | GW | P | SWSW | | 1 | WSMVD | P | UTU-38420 | N2995 |
| BONANZA 1023-7K | 07 | 100S | 230E | 4304737216 | 16714 | | | 1 | GW | P | NESW | | 1 | WSMVD | P | UTU-38420 | N2995 |
| BONANZA 1023-7E | 07 | 100S | 230E | 4304737217 | 16870 | | | 1 | GW | P | SWNW | | 1 | WSMVD | P | UTU-38420 | N2995 |
| BONANZA 1023-7G | 07 | 100S | 230E | 4304737326 | 16765 | | | 1 | GW | P | SWNE | | 1 | WSMVD | P | UTU-38420 | N2995 |
| BONANZA 1023-7A | 07 | 100S | 230E | 4304737327 | 16796 | | | 1 | GW | P | NENE | | 1 | WSMVD | P | UTU-38420 | N2995 |
| BONANZA 1023-7O | 07 | 100S | 230E | 4304738304 | 16713 | | | 1 | GW | P | SWSE | | 1 | MVRD | P | UTU-38420 | N2995 |
| BONANZA 1023-7B-3 | 07 | 100S | 230E | 4304738912 | 17016 | | | 1 | GW | P | NWNE | | 1 | WSMVD | P | UTU-38420 | N2995 |
| BONANZA 1023-07JT | 07 | 100S | 230E | 4304739390 | 16869 | | | 1 | GW | P | NWSE | | 1 | WSMVD | P | UTU-38420 | N2995 |
| BONANZA 1023-7J2AS | 07 | 100S | 230E | 4304750474 | 17494 | | | 1 | GW | P | NWSE | D | 1 | WSMVD | P | UTU 38420 | N2995 |
| BONANZA 1023-7J2DS | 07 | 100S | 230E | 4304750475 | 17495 | | | 1 | GW | P | NWSE | D | 1 | WSMVD | P | UTU 38420 | N2995 |
| BONANZA 1023-7L3DS | 07 | 100S | 230E | 4304750476 | 17939 | | | 1 | GW | P | NWSW | D | 1 | WSMVD | P | UTU 38420 | N2995 |
| BONANZA 1023-7M2AS | 07 | 100S | 230E | 4304750477 | 17942 | | | 1 | GW | P | NWSW | D | 1 | WSMVD | P | UTU 38420 | N2995 |
| BONANZA 1023-7N2AS | 07 | 100S | 230E | 4304750478 | 17940 | | | 1 | GW | P | NWSW | D | 1 | WSMVD | P | UTU 38420 | N2995 |
| BONANZA 1023-7N2DS | 07 | 100S | 230E | 4304750479 | 17941 | | | 1 | GW | P | NWSW | D | 1 | WSMVD | P | UTU 38420 | N2995 |
| BONANZA 1023-7O4S | 07 | 100S | 230E | 4304750480 | 17918 | | | 1 | GW | P | SESE | D | 1 | WSMVD | P | UTU 38420 | N2995 |
| BONANZA 1023-7P2S | 07 | 100S | 230E | 4304750482 | 17919 | | | 1 | GW | P | SESE | D | 1 | WSMVD | P | UTU 38420 | N2995 |
| BONANZA 8-2 | 08 | 100S | 230E | 4304734087 | 13851 | | | 1 | GW | P | SESE | | 1 | MVRD | P | U-37355 | N2995 |

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|--------------------|----|------|------|------------|-------|--|--|---|----|---|------|---|--|---|-------|---|-----------|-------|
| BONANZA 8-3 | 08 | 100S | 230E | 4304734770 | 13843 | | | 1 | GW | P | NWNW | | | 1 | MVRD | P | U-37355 | N2995 |
| BONANZA 1023-8A | 08 | 100S | 230E | 4304735718 | 14932 | | | 1 | GW | P | NENE | | | 1 | WSMVD | P | UTU-37355 | N2995 |
| BONANZA 1023-8L | 08 | 100S | 230E | 4304735719 | 14876 | | | 1 | GW | P | NWSW | | | 1 | WSMVD | P | UTU-37355 | N2995 |
| BONANZA 1023-8N | 08 | 100S | 230E | 4304735720 | 15104 | | | 1 | GW | P | SESW | | | 1 | WSMVD | P | UTU-37355 | N2995 |
| BONANZA 1023-8F | 08 | 100S | 230E | 4304735989 | 14877 | | | 1 | GW | S | SESW | | | 1 | WSMVD | S | UTU-37355 | N2995 |
| BONANZA 1023-8I | 08 | 100S | 230E | 4304738215 | 16358 | | | 1 | GW | P | NESE | | | 1 | WSMVD | P | UTU-37355 | N2995 |
| BONANZA 1023-8K | 08 | 100S | 230E | 4304738216 | 16354 | | | 1 | GW | P | NESW | | | 1 | WSMVD | P | UTU-37355 | N2995 |
| BONANZA 1023-8M | 08 | 100S | 230E | 4304738217 | 16564 | | | 1 | GW | P | SWSW | | | 1 | MVRD | P | UTU-37355 | N2995 |
| BONANZA 1023-8G | 08 | 100S | 230E | 4304738218 | 16903 | | | 1 | GW | P | SWNE | | | 1 | WSMVD | P | UTU-37355 | N2995 |
| BONANZA 1023-8E | 08 | 100S | 230E | 4304738219 | 16397 | | | 1 | GW | P | SWNW | | | 1 | WSMVD | P | UTU-37355 | N2995 |
| BONANZA 1023-8C | 08 | 100S | 230E | 4304738220 | 16355 | | | 1 | GW | P | NENW | | | 1 | WSMVD | P | UTU-37355 | N2995 |
| BONANZA 1023-8B | 08 | 100S | 230E | 4304738221 | 16292 | | | 1 | GW | P | NWNE | | | 1 | WSMVD | P | UTU-37355 | N2995 |
| BONANZA 1023-8H | 08 | 100S | 230E | 4304738222 | 16353 | | | 1 | GW | P | SENE | | | 1 | WSMVD | P | UTU-37355 | N2995 |
| BONANZA 1023-8O | 08 | 100S | 230E | 4304738305 | 16392 | | | 1 | GW | P | SWSE | | | 1 | WSMVD | P | UTU-37355 | N2995 |
| BONANZA 1023-8B-4 | 08 | 100S | 230E | 4304738914 | 17019 | | | 1 | GW | P | NWNE | | | 1 | WSMVD | P | UTU-37355 | N2995 |
| BONANZA 1023-8A1DS | 08 | 100S | 230E | 4304750481 | 17518 | | | 1 | GW | P | NENE | D | | 1 | WSMVD | P | UTU 37355 | N2995 |
| BONANZA 1023-8A4BS | 08 | 100S | 230E | 4304750483 | 17519 | | | 1 | GW | P | NENE | D | | 1 | WSMVD | P | UTU 37355 | N2995 |
| BONANZA 1023-8B1AS | 08 | 100S | 230E | 4304750484 | 17520 | | | 1 | GW | P | NENE | D | | 1 | WSMVD | P | UTU 37355 | N2995 |
| BONANZA 1023-8B2AS | 08 | 100S | 230E | 4304750485 | 17521 | | | 1 | GW | P | NENE | D | | 1 | WSMVD | P | UTU 37355 | N2995 |
| BONANZA 1023-8O2S | 08 | 100S | 230E | 4304750495 | 17511 | | | 1 | GW | P | NWSE | D | | 1 | WSMVD | P | UTU 37355 | N2995 |
| BONANZA 1023-8J1S | 08 | 100S | 230E | 4304750496 | 17509 | | | 1 | GW | P | NWSE | D | | 1 | WSMVD | P | UTU 37355 | N2995 |
| BONANZA 1023-8O3S | 08 | 100S | 230E | 4304750497 | 17512 | | | 1 | GW | P | NWSE | D | | 1 | WSMVD | P | UTU 37355 | N2995 |
| BONANZA 1023-8J3 | 08 | 100S | 230E | 4304750498 | 17510 | | | 1 | GW | P | NWSE | | | 1 | WSMVD | P | UTU 37355 | N2995 |
| BONANZA 1023-8C4CS | 08 | 100S | 230E | 4304750499 | 17544 | | | 1 | GW | P | NENW | D | | 1 | WSMVD | P | UTU 37355 | N2995 |
| BONANZA 1023-8D2DS | 08 | 100S | 230E | 4304750500 | 17546 | | | 1 | GW | P | NENW | D | | 1 | WSMVD | P | UTU 37355 | N2995 |
| BONANZA 1023-8D3DS | 08 | 100S | 230E | 4304750501 | 17545 | | | 1 | GW | P | NENW | D | | 1 | WSMVD | P | UTU 37355 | N2995 |
| BONANZA 1023-8F3DS | 08 | 100S | 230E | 4304750502 | 17543 | | | 1 | GW | P | NENW | D | | 1 | WSMVD | P | UTU 37355 | N2995 |
| BONANZA 1023-8A4CS | 08 | 100S | 230E | 4304751131 | 18169 | | | 1 | GW | P | NWNE | D | | 1 | WSMVD | P | UTU 37355 | N2995 |
| BONANZA 1023-8B3BS | 08 | 100S | 230E | 4304751132 | 18167 | | | 1 | GW | P | NWNE | D | | 1 | WSMVD | P | UTU 37355 | N2995 |
| BONANZA 1023-8C1AS | 08 | 100S | 230E | 4304751133 | 18166 | | | 1 | GW | P | NWNE | D | | 1 | WSMVD | P | UTU 37355 | N2995 |
| BONANZA 1023-8G3AS | 08 | 100S | 230E | 4304751134 | 18168 | | | 1 | GW | P | NWNE | D | | 1 | WSMVD | P | UTU 37355 | N2995 |
| BONANZA 1023-8E2AS | 08 | 100S | 230E | 4304751135 | 18227 | | | 1 | GW | P | SESW | D | | 1 | WSMVD | P | UTU 37355 | N2995 |
| BONANZA 1023-8F3BS | 08 | 100S | 230E | 4304751136 | 18227 | | | 1 | GW | P | SESW | D | | 1 | WSMVD | P | UTU 37355 | N2995 |
| BONANZA 1023-8F4AS | 08 | 100S | 230E | 4304751137 | 18224 | | | 1 | GW | P | SESW | D | | 1 | WSMVD | P | UTU 37355 | N2995 |
| BONANZA 1023-8F4DS | 08 | 100S | 230E | 4304751138 | 18225 | | | 1 | GW | P | SESW | D | | 1 | WSMVD | P | UTU 37355 | N2995 |
| BONANZA 1023-8J2CS | 08 | 100S | 230E | 4304751139 | 18226 | | | 1 | GW | P | SESW | D | | 1 | WSMVD | P | UTU 37355 | N2995 |
| BONANZA 1023-8G4DS | 08 | 100S | 230E | 4304751140 | 18144 | | | 1 | GW | P | NESE | D | | 1 | WSMVD | P | UTU 37355 | N2995 |
| BONANZA 1023-8H2DS | 08 | 100S | 230E | 4304751141 | 18142 | | | 1 | GW | P | NESE | D | | 1 | WSMVD | P | UTU 37355 | N2995 |
| BONANZA 1023-8H3DS | 08 | 100S | 230E | 4304751142 | 18143 | | | 1 | GW | P | NESE | D | | 1 | WSMVD | P | UTU 37355 | N2995 |
| BONANZA 1023-8H4DS | 08 | 100S | 230E | 4304751143 | 18141 | | | 1 | GW | P | NESE | D | | 1 | WSMVD | P | UTU 37355 | N2995 |
| BONANZA 1023-8I4BS | 08 | 100S | 230E | 4304751144 | 18155 | | | 1 | GW | P | NESE | D | | 1 | WSMVD | P | UTU 37355 | N2995 |
| BONANZA 1023-8J4BS | 08 | 100S | 230E | 4304751145 | 18154 | | | 1 | GW | P | NESE | D | | 1 | WSMVD | P | UTU 37355 | N2995 |
| BONANZA 1023-8P1AS | 08 | 100S | 230E | 4304751146 | 18156 | | | 1 | GW | P | NESE | D | | 1 | WSMVD | P | UTU 37355 | N2995 |
| BONANZA 1023-8P2BS | 08 | 100S | 230E | 4304751147 | 18153 | | | 1 | GW | P | NESE | D | | 1 | WSMVD | P | UTU 37355 | N2995 |
| BONANZA 1023-8P4AS | 08 | 100S | 230E | 4304751148 | 18157 | | | 1 | GW | P | NESE | D | | 1 | WSMVD | P | UTU 37355 | N2995 |
| BONANZA 1023-8E2DS | 08 | 100S | 230E | 4304751149 | 18201 | | | 1 | GW | P | NWSW | D | | 1 | WSMVD | P | UTU 37355 | N2995 |

| | | | | | | | | | | | | | | | | | |
|-----------------------|----|------|------|------------|-------|--|--|---|----|---|------|---|---|-------|---|-----------|-------|
| BONANZA 1023-8E3DS | 08 | 100S | 230E | 4304751150 | 18200 | | | 1 | GW | P | NWSW | D | 1 | WSMVD | P | UTU 37355 | N2995 |
| BONANZA 1023-8K1CS | 08 | 100S | 230E | 4304751151 | 18199 | | | 1 | GW | P | NWSW | D | 1 | WSMVD | P | UTU 37355 | N2995 |
| BONANZA 1023-8K4CS | 08 | 100S | 230E | 4304751152 | 18198 | | | 1 | GW | P | NWSW | D | 1 | WSMVD | P | UTU 37355 | N2995 |
| BONANZA 1023-8L3DS | 08 | 100S | 230E | 4304751153 | 18197 | | | 1 | GW | P | NWSW | D | 1 | WSMVD | P | UTU 37355 | N2995 |
| BONANZA 1023-8M2AS | 08 | 100S | 230E | 4304751154 | 18217 | | | 1 | GW | P | SWSW | D | 1 | WSMVD | P | UTU 37355 | N2995 |
| BONANZA 1023-8M2DS | 08 | 100S | 230E | 4304751155 | 18216 | | | 1 | GW | P | SWSW | D | 1 | WSMVD | P | UTU 37355 | N2995 |
| BONANZA 1023-8N2BS | 08 | 100S | 230E | 4304751156 | 18218 | | | 1 | GW | P | SWSW | D | 1 | WSMVD | P | UTU 37355 | N2995 |
| BONANZA 1023-8O3CS | 08 | 100S | 230E | 4304751157 | 18254 | | | 1 | GW | P | SWSE | D | 1 | WSMVD | P | UTU 37355 | N2995 |
| BONANZA 1023-8N3DS | 08 | 100S | 230E | 4304751158 | 18215 | | | 1 | GW | P | SWSW | D | 1 | WSMVD | P | UTU 37355 | N2995 |
| BONANZA 1023-8O4AS | 08 | 100S | 230E | 4304751159 | 18252 | | | 1 | GW | P | SWSE | D | 1 | WSMVD | P | UTU 37355 | N2995 |
| BONANZA 1023-8P2CS | 08 | 100S | 230E | 4304751160 | 18251 | | | 1 | GW | P | SWSE | D | 1 | WSMVD | P | UTU 37355 | N2995 |
| BONANZA 1023-8P3CS | 08 | 100S | 230E | 4304751161 | 18253 | | | 1 | GW | P | SWSE | D | 1 | WSMVD | P | UTU 37355 | N2995 |
| CANYON FEDERAL 2-9 | 09 | 100S | 230E | 4304731504 | 1468 | | | 1 | GW | P | NENW | | 1 | MVRD | P | U-37355 | N2995 |
| SOUTHMAN CANYON 9-3-M | 09 | 100S | 230E | 4304732540 | 11767 | | | 1 | GW | S | SWSW | | 1 | MVRD | S | UTU-37355 | N2995 |
| SOUTHMAN CANYON 9-4-J | 09 | 100S | 230E | 4304732541 | 11685 | | | 1 | GW | S | NWSE | | 1 | MVRD | S | UTU-37355 | N2995 |
| BONANZA 9-6 | 09 | 100S | 230E | 4304734771 | 13852 | | | 1 | GW | P | NWNE | | 1 | MVRD | P | U-37355 | N2995 |
| BONANZA 9-5 | 09 | 100S | 230E | 4304734866 | 13892 | | | 1 | GW | P | SESW | | 1 | MVRD | P | U-37355 | N2995 |
| BONANZA 1023-9E | 09 | 100S | 230E | 4304735620 | 14931 | | | 1 | GW | P | SWNW | | 1 | WSMVD | P | U-37355 | N2995 |
| BONANZA 1023-9I | 09 | 100S | 230E | 4304738223 | 16766 | | | 1 | GW | P | NESE | | 1 | WSMVD | P | UTU-37355 | N2995 |
| BONANZA 1023-9D | 09 | 100S | 230E | 4304738306 | 16398 | | | 1 | GW | P | NWNW | | 1 | WSMVD | P | UTU-37355 | N2995 |
| BONANZA 1023-9J | 09 | 100S | 230E | 4304738811 | 16989 | | | 1 | GW | P | NWSE | | 1 | WSMVD | P | UTU-37355 | N2995 |
| BONANZA 1023-9B3BS | 09 | 100S | 230E | 4304750503 | 17965 | | | 1 | GW | P | SENE | D | 1 | WSMVD | P | UTU 37355 | N2995 |
| BONANZA 1023-9B3CS | 09 | 100S | 230E | 4304750504 | 17968 | | | 1 | GW | P | SENE | D | 1 | WSMVD | P | UTU 37355 | N2995 |
| BONANZA 1023-9H2BS | 09 | 100S | 230E | 4304750505 | 17966 | | | 1 | GW | P | SENE | D | 1 | WSMVD | P | UTU 37355 | N2995 |
| BONANZA 1023-9H2CS | 09 | 100S | 230E | 4304750506 | 17967 | | | 1 | GW | P | SENE | D | 1 | WSMVD | P | UTU 37355 | N2995 |
| BONANZA 10-2 | 10 | 100S | 230E | 4304734704 | 13782 | | | 1 | GW | P | NWNW | | 1 | MVRD | P | U-72028 | N2995 |
| BONANZA 1023-10L | 10 | 100S | 230E | 4304735660 | 15164 | | | 1 | GW | P | NWSW | | 1 | WSMVD | P | U-38261 | N2995 |
| BONANZA 1023-10E | 10 | 100S | 230E | 4304738224 | 16501 | | | 1 | GW | P | SWNW | | 1 | MVRD | P | UTU-72028 | N2995 |
| BONANZA 1023-10C | 10 | 100S | 230E | 4304738228 | 16500 | | | 1 | GW | P | NENW | | 1 | MVRD | P | UTU-72028 | N2995 |
| BONANZA 1023-10C-4 | 10 | 100S | 230E | 4304738915 | 17015 | | | 1 | GW | P | NENW | | 1 | MVRD | P | UTU-72028 | N2995 |
| BONANZA 11-2 ★ | 11 | 100S | 230E | 4304734773 | 13768 | | | 1 | GW | P | SWNW | | 1 | MVMCS | P | UTU-38425 | N2995 |
| BONANZA 1023-11K | 11 | 100S | 230E | 4304735631 | 15132 | | | 1 | GW | P | NESW | | 1 | WSMVD | P | UTU-38425 | N2995 |
| BONANZA 1023-11B | 11 | 100S | 230E | 4304738230 | 16764 | | | 1 | GW | P | NWNE | | 1 | MVRD | P | UTU-38425 | N2995 |
| BONANZA 1023-11F | 11 | 100S | 230E | 4304738232 | 16797 | | | 1 | GW | P | SENW | | 1 | MVRD | P | UTU-38425 | N2995 |
| BONANZA 1023-11D | 11 | 100S | 230E | 4304738233 | 16711 | | | 1 | GW | P | NWNW | | 1 | MVRD | P | UTU-38425 | N2995 |
| BONANZA 1023-11G | 11 | 100S | 230E | 4304738235 | 16826 | | | 1 | GW | P | SWNE | | 1 | MVRD | P | UTU-38425 | N2995 |
| BONANZA 1023-11C | 11 | 100S | 230E | 4304738309 | 16736 | | | 1 | GW | P | NENW | | 1 | MVRD | P | UTU-38425 | N2995 |
| BONANZA 1023-11J | 11 | 100S | 230E | 4304738310 | 16839 | | | 1 | GW | P | NWSE | | 1 | WSMVD | P | UTU-38424 | N2995 |
| BONANZA 1023-11N | 11 | 100S | 230E | 4304738311 | 16646 | | | 1 | GW | P | SESW | | 1 | MVRD | P | UTU-38424 | N2995 |
| BONANZA 1023-11M | 11 | 100S | 230E | 4304738312 | 16687 | | | 1 | GW | P | SWSW | | 1 | MVRD | P | UTU-38424 | N2995 |
| BONANZA 1023-11L | 11 | 100S | 230E | 4304738812 | 16987 | | | 1 | GW | P | NWSW | | 1 | WSMVD | P | UTU-38424 | N2995 |
| NSO FEDERAL 1-12 | 12 | 100S | 230E | 4304730560 | 1480 | | | 1 | GW | P | NENW | | 1 | MVRD | P | UTU-38423 | N2995 |
| WHITE RIVER 1-14 | 14 | 100S | 230E | 4304730481 | 1500 | | | 1 | GW | S | NENW | | 1 | MVRD | S | U-38427 | N2995 |
| BONANZA 1023-14D | 14 | 100S | 230E | 4304737030 | 16799 | | | 1 | GW | P | NWNW | | 1 | MVRD | P | UTU-38427 | N2995 |
| BONANZA 1023-14C | 14 | 100S | 230E | 4304738299 | 16623 | | | 1 | GW | P | NENW | | 1 | MVRD | P | UTU-38427 | N2995 |
| BONANZA FEDERAL 3-15 | 15 | 100S | 230E | 4304731278 | 8406 | | | 1 | GW | P | NENW | | 1 | MVRD | P | U-38428 | N2995 |

★ not moved into unit

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|-----------------------------|----|------|------|------------|-------|--|---|----|-----|------|---|---|-------|-----|------------|-------|
| BONANZA 1023-15H | 15 | 100S | 230E | 4304738316 | 16688 | | 1 | GW | P | SENE | | 1 | MVRD | P | UTU-38427 | N2995 |
| BONANZA 1023-15J | 15 | 100S | 230E | 4304738817 | 16988 | | 1 | GW | P | NWSE | | 1 | MVRD | P | UTU-38427 | N2995 |
| BONANZA 1023-15H4CS | 15 | 100S | 230E | 4304750741 | 17492 | | 1 | GW | P | NESE | D | 1 | MVRD | P | UTU 38427 | N2995 |
| BONANZA 1023-15I2AS | 15 | 100S | 230E | 4304750742 | 17493 | | 1 | GW | P | NESE | D | 1 | WSMVD | P | UTU 38427 | N2995 |
| BONANZA 1023-15I4BS | 15 | 100S | 230E | 4304750743 | 17490 | | 1 | GW | P | NESE | D | 1 | WSMVD | P | UTU 38427 | N2995 |
| BONANZA 1023-15P1BS | 15 | 100S | 230E | 4304750744 | 17491 | | 1 | GW | P | NESE | D | 1 | WSMVD | P | UTU 38427 | N2995 |
| LOOKOUT POINT STATE 1-16 | 16 | 100S | 230E | 4304730544 | 1495 | | 3 | GW | P | NESE | | 3 | WSMVD | P | ML-22186-A | N2995 |
| BONANZA 1023-16J | 16 | 100S | 230E | 4304737092 | 15987 | | 3 | GW | OPS | NWSE | | 3 | WSMVD | OPS | ML-22186-A | N2995 |
| BONANZA 1023-17B | 17 | 100S | 230E | 4304735747 | 15165 | | 1 | GW | P | NWNE | | 1 | WSMVD | P | UTU-37355 | N2995 |
| BONANZA 1023-17C | 17 | 100S | 230E | 4304738237 | 16585 | | 1 | GW | P | NENW | | 1 | WSMVD | P | UTU-37355 | N2995 |
| BONANZA 1023-17D3S | 17 | 100S | 230E | 4304750511 | 17943 | | 1 | GW | P | NENW | D | 1 | WSMVD | P | UTU 37355 | N2995 |
| BONANZA 1023-17E2S | 17 | 100S | 230E | 4304750512 | 17944 | | 1 | GW | P | NENW | D | 1 | WSMVD | P | UTU 37355 | N2995 |
| BONANZA 1023-17E3AS | 17 | 100S | 230E | 4304750513 | 17945 | | 1 | GW | P | NENW | D | 1 | WSMVD | P | UTU 37355 | N2995 |
| BONANZA 1023-17E3CS | 17 | 100S | 230E | 4304750514 | 17946 | | 1 | GW | P | NENW | D | 1 | WSMVD | P | UTU 37355 | N2995 |
| BONANZA 1023-18G | 18 | 100S | 230E | 4304735621 | 14410 | | 1 | GW | P | SWNE | | 1 | WSMVD | P | U-38241 | N2995 |
| BONANZA 1023-18B | 18 | 100S | 230E | 4304735721 | 14395 | | 1 | GW | P | NWNE | | 1 | WSMVD | P | U-38421 | N2995 |
| BONANZA 1023-18DX (RIGSKID) | 18 | 100S | 230E | 4304736218 | 14668 | | 1 | GW | P | NWNW | | 1 | WSMVD | P | U-38241 | N2995 |
| BONANZA 1023-18A | 18 | 100S | 230E | 4304738243 | 16625 | | 1 | GW | P | NENE | | 1 | WSMVD | P | UTU-38421 | N2995 |
| BONANZA 1023-18F | 18 | 100S | 230E | 4304738244 | 16624 | | 1 | GW | P | SENW | | 1 | WSMVD | P | UTU-38421 | N2995 |
| BONANZA 1023-18E | 18 | 100S | 230E | 4304738245 | 16645 | | 1 | GW | P | SWNW | | 1 | MVRD | P | UTU-38421 | N2995 |
| BONANZA 1023-18C | 18 | 100S | 230E | 4304738246 | 16734 | | 1 | GW | P | NENW | | 1 | MVRD | P | UTU-38421 | N2995 |
| BONANZA 1023-18G-1 | 18 | 100S | 230E | 4304738916 | 17135 | | 1 | GW | P | SWNE | | 1 | WSMVD | P | UTU-38421 | N2995 |
| BONANZA 1023-18D3AS | 18 | 100S | 230E | 4304750448 | 17498 | | 1 | GW | P | SWNW | D | 1 | WSMVD | P | UTU 38421 | N2995 |
| BONANZA 1023-18D3DS | 18 | 100S | 230E | 4304750449 | 17499 | | 1 | GW | P | SWNW | D | 1 | WSMVD | P | UTU 38421 | N2995 |
| BONANZA 1023-18E2DS | 18 | 100S | 230E | 4304750450 | 17497 | | 1 | GW | P | SWNW | D | 1 | WSMVD | P | UTU 38421 | N2995 |
| BONANZA 1023-18E3AS | 18 | 100S | 230E | 4304750451 | 17496 | | 1 | GW | P | SENW | D | 1 | WSMVD | P | UTU 38421 | N2995 |
| BONANZA 1023-18L2S | 18 | 100S | 230E | 4304750520 | 18111 | | 1 | GW | P | SWNW | D | 1 | WSMVD | P | UTU 38421 | N2995 |
| BONANZA 1023-18L3S | 18 | 100S | 230E | 4304750521 | 18110 | | 1 | GW | P | SWNW | D | 1 | WSMVD | P | UTU 38421 | N2995 |
| BONANZA 1023-18K3AS | 18 | 100S | 230E | 4304751061 | 18112 | | 1 | GW | P | SWNW | D | 1 | WSMVD | P | UTU 38421 | N2995 |
| BONANZA 1023-18K3BS | 18 | 100S | 230E | 4304751063 | 18113 | | 1 | GW | P | SWNW | D | 1 | WSMVD | P | UTU 38421 | N2995 |
| BONANZA 1023-18M2AS | 18 | 100S | 230E | 4304751064 | 18117 | | 1 | GW | P | SWNW | D | 1 | WSMVD | P | UTU 38421 | N2995 |
| BONANZA 1023-18M2DS | 18 | 100S | 230E | 4304751065 | 18116 | | 1 | GW | P | SWNW | D | 1 | WSMVD | P | UTU 38421 | N2995 |
| BONANZA 1023-18N2AS | 18 | 100S | 230E | 4304751066 | 18114 | | 1 | GW | P | SWNW | D | 1 | WSMVD | P | UTU 38421 | N2995 |
| BONANZA 1023-18N2DS | 18 | 100S | 230E | 4304751067 | 18115 | | 1 | GW | P | SWNW | D | 1 | WSMVD | P | UTU 38421 | N2995 |
| BONANZA 1023-10F | 10 | 100S | 230E | 4304738225 | 16565 | | | GW | P | SENW | | | MVRD | P | UTU 72028 | N2995 |
| BONANZA 1023-6D1AS | 6 | 100S | 230E | 4304751450 | 18320 | | | GW | P | NENW | D | | WSMVD | P | UTU 38419 | N2995 |
| BONANZA 1023-6C1CS | 6 | 100S | 230E | 4304751448 | 18319 | | | GW | | NENW | D | | | | UTU 38419 | N2995 |
| BONANZA 1023-6D3AS | 6 | 100S | 230E | 4304751452 | 18317 | | | GW | P | NENW | D | | WSMVD | P | UTU 38419 | N2995 |