002

B&A Buys & Associates, Inc.
Environmental Consultants

300 E. Mineral Ave., Suite 10
Littleton, CO 80122-2631
303/781-8211 303/781-1167 Fax

June 10, 2005

Mrs. Diana Whitney
State of Utah
Division of Oil, Gas and Mining
P.O. Box 145801
Salt Lake City, Utah 84114-5801

RE: Application for Permit to Drill—Dominion Exploration & Production, Inc.
**LCU 11-2H**, *Surface Location:* 2,540' FSL & 1,341' FWL, NE/4 SW/4
*Target Location:* 2,000' FSL & 2,000' FWL, NE/4 SW/4
Section 2, T11S, R20E, SLB&M, Uintah County, Utah

Dear Mrs. Whitney:

On behalf of Dominion Exploration & Production, Inc. (Dominion), Buys & Associates, Inc. respectfully submits the enclosed original and one copy of the *Application for Permit to Drill (APD)* for the above referenced directional well. A request for exception to spacing (R649-3-11) is hereby requested based on topography since the well is located within 460' of the drilling unit boundary. Dominion Exploration & Production, Inc. is the only owner and operator within 460' of the proposed well and all points along the intended well bore path. Included with the APD is the following supplemental information:

Exhibit "A" - Survey plats, layouts and photos of the proposed well site;

Exhibit "B" - Proposed location maps with access and utility corridors;

Exhibit "C" - Production site layout;

Exhibit "D" - Drilling Plan;

Exhibit "E" - Surface Use Plan;

Exhibit "F" - Typical BOP and Choke Manifold diagram.

Please accept this letter as Dominion's, written request for confidential treatment of all information contained in and pertaining to this application.

Thank you very much for your timely consideration of this application. Please feel free to contact myself or Carla Christian of Dominion at 405-749-5263 if you have any questions or need additional information.

Sincerely,

Don Hamilton

Don Hamilton
Agent for Dominion

cc: Fluid Mineral Group, BLM—Vernal Field Office
Carla Christian, Dominion
Marty Buys, Buys & Associates, Inc.

RECEIVED
JUN 16 2005
DIV. OF OIL, GAS & MINING

ORIGINAL

CONFIDENTIAL

001

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

FORM 3

AMENDED REPORT ☐
(highlight changes)

# APPLICATION FOR PERMIT TO DRILL

| 5. MINERAL LEASE NO: | 6. SURFACE: |
|---|---|
| ML-48771 | State |

1A. TYPE OF WORK: DRILL ☑ REENTER ☐ DEEPEN ☐

7. IF INDIAN, ALLOTTEE OR TRIBE NAME: N/A

B. TYPE OF WELL: OIL ☐ GAS ☑ OTHER _____ SINGLE ZONE ☑ MULTIPLE ZONE ☐

8. UNIT or CA AGREEMENT NAME: Little Canyon Unit

2. NAME OF OPERATOR: Dominion Exploration & Production, Inc.

9. WELL NAME and NUMBER: LCU 11-2H

3. ADDRESS OF OPERATOR: 14000 Quail Sp Pkwy CITY Oklahoma City STATE OK ZIP 73134

PHONE NUMBER: (405) 749-5263

10. FIELD AND POOL, OR WILDCAT: Natural Buttes

4. LOCATION OF WELL (FOOTAGES)

AT SURFACE: 2,540' FSL & 1,341' FWL, NE/4 SW/4 615395X 39.889212 4416123Y -109.650372

AT PROPOSED PRODUCING ZONE: 2,000' FSL & 2,000' FWL, NE/4 SW/4

11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: 2 11 20 S

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE: 13.84 miles south of Ouray, Utah

12. COUNTY: Uintah

13. STATE: UTAH

| 15. DISTANCE TO NEAREST PROPERTY OR LEASE LINE (FEET) | 16. NUMBER OF ACRES IN LEASE: | 17. NUMBER OF ACRES ASSIGNED TO THIS WELL: |
|---|---|---|
| 1,341' | 638.5 | 40 |
| **18. DISTANCE TO NEAREST WELL (DRILLING, COMPLETED, OR APPLIED FOR) ON THIS LEASE (FEET)** | **19. PROPOSED DEPTH:** | **20. BOND DESCRIPTION:** |
| 25' | 9,050 | SITLA Blanket 76S 63050 361 |
| **21. ELEVATIONS (SHOW WHETHER DF, RT, GR, ETC.):** | **22. APPROXIMATE DATE WORK WILL START:** | **23. ESTIMATED DURATION:** |
| 5,429' | 8/15/2005 | 14 days |

24. **PROPOSED CASING AND CEMENTING PROGRAM**

| SIZE OF HOLE | CASING SIZE, GRADE, AND WEIGHT PER FOOT | SETTING DEPTH | CEMENT TYPE, QUANTITY, YIELD, AND SLURRY WEIGHT |
|---|---|---|---|
| 17-1/2" | 13-3/8" H-40 ST 48# | 500 | see Drilling Plan 450 |
| 12-1/4" | 9-5/8" J-55 LT 36# | 2,800 | see Drilling Plan 300/390 |
| 7-7/8" | 5-1/2" Mav 80 L 17# | 9,050 | see Drilling Plan 90/600 |
| | | | |
| | | | |
| | | | |
| | | | |

25. **ATTACHMENTS**

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

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☑ WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER
☑ COMPLETE DRILLING PLAN
☐ EVIDENCE OF DIVISION OF WATER RIGHTS APPROVAL FOR USE OF WATER
☐ FORM 5, IF OPERATOR IS PERSON OR COMPANY OTHER THAN THE LEASE OWNER

NAME (PLEASE PRINT) Don Hamilton TITLE Agent for Dominion Exploration & Production, Inc.

SIGNATURE Don Hamilton DATE 6/10/2005

(This space for State use only)

BHL 615598X 39.887722 4415960Y -109.648025

ORIGINAL

API NUMBER ASSIGNED: 43-047-36780

APPROVAL:

Approved by the Utah Division of Oil, Gas and Mining
(See Instructions on Reverse Side)
Date: 07-19-05
By:

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DIV. OF OIL, GAS & MINING

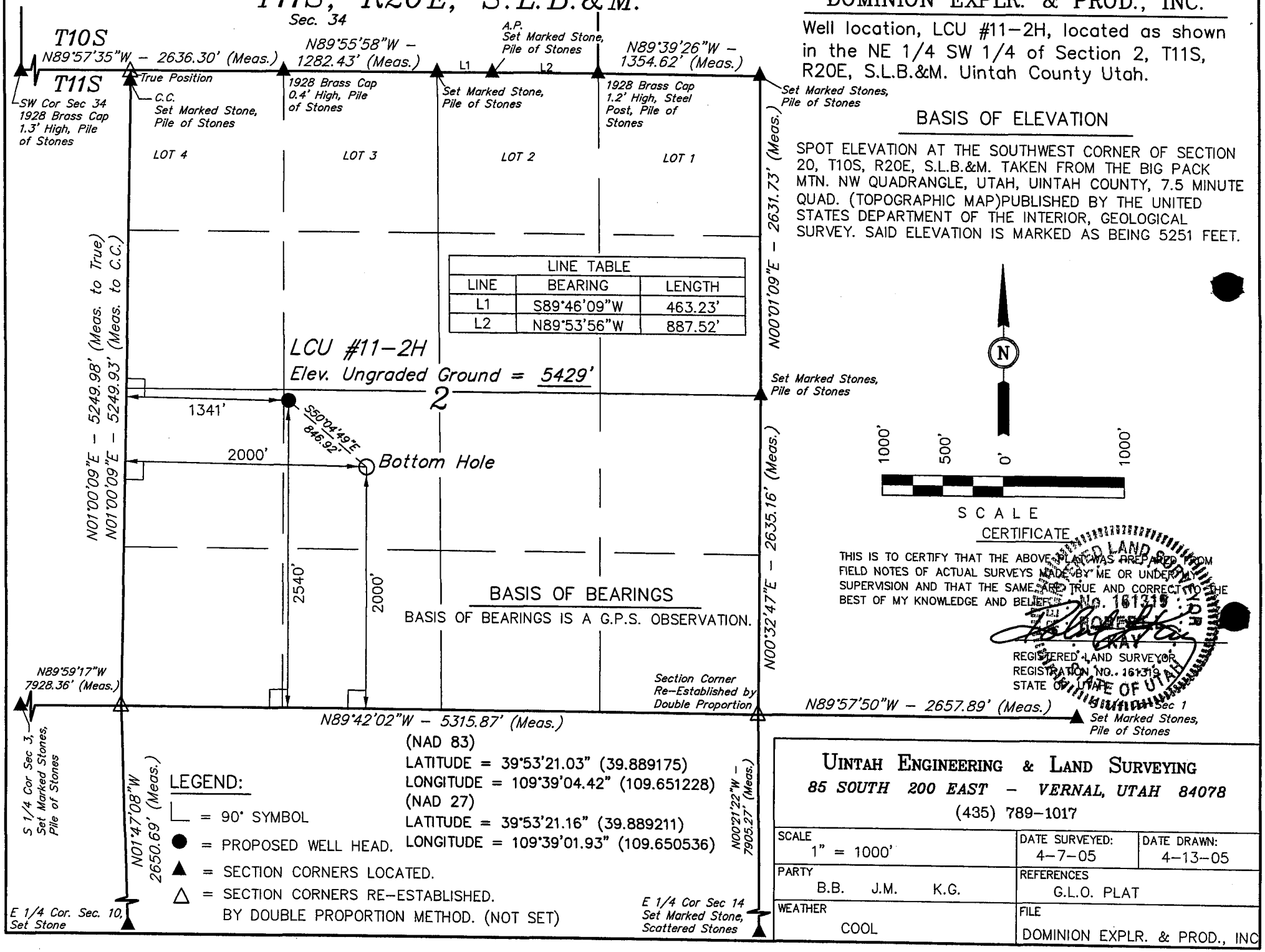
(11/2001)

# T11S, R20E, S.L.B.&M.

Sec. 34

## DOMINION EXPLR. & PROD., INC.

Well location, LCU #11-2H, located as shown in the NE 1/4 SW 1/4 of Section 2, T11S, R20E, S.L.B.&M. Uintah County Utah.




| LINE TABLE | | |
|---|---|---|
| LINE | BEARING | LENGTH |
| L1 | S89°46'09"W | 463.23' |
| L2 | N89°53'56"W | 887.52' |

## BASIS OF ELEVATION

SPOT ELEVATION AT THE SOUTHWEST CORNER OF SECTION 20, T10S, R20E, S.L.B.&M. TAKEN FROM THE BIG PACK MTN. NW 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 5251 FEET.




SCALE

## BASIS OF BEARINGS

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

## CERTIFICATE

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

No. 161319
REGISTERED LAND SURVEYOR
REGISTRATION NO. 161319
STATE OF UTAH

(NAD 83)
LATITUDE = 39°53'21.03" (39.889175)
LONGITUDE = 109°39'04.42" (109.651228)
(NAD 27)
LATITUDE = 39°53'21.16" (39.889211)
LONGITUDE = 109°39'01.93" (109.650536)

LEGEND:

- └ = 90° SYMBOL
- ● = PROPOSED WELL HEAD.
- ▲ = SECTION CORNERS LOCATED.
- △ = SECTION CORNERS RE-ESTABLISHED. BY DOUBLE PROPORTION METHOD. (NOT SET)


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


| | | |
|---|---|---|
| SCALE 1" = 1000' | DATE SURVEYED: 4-7-05 | DATE DRAWN: 4-13-05 |
| PARTY B.B. J.M. K.G. | REFERENCES G.L.O. PLAT | |
| WEATHER COOL | FILE DOMINION EXPLR. & PROD., INC | |

# DRILLING PLAN

# APPROVAL OF OPERATIONS

**Attachment for Permit to Drill**

| | |
|---|---|
| **Name of Operator:** | Dominion Exploration & Production |
| **Address:** | 14000 Quail Springs Parkway, Suite 600<br>Oklahoma City, OK 73134 |
| **Well Location:** | LCU 11-2H<br>SHL: 2540' FSL & 1341' FWL Section 2-11S-20E<br>BHL: 2000' FSL & 2000' FWL Section 2-11S-20E<br>Uintah County, UT |

1. GEOLOGIC SURFACE FORMATION — Uintah

2. ESTIMATED DEPTHS OF IMPORTANT GEOLOGIC MARKERS

| Formation | Depth |
|---|---|
| Wasatach Tongue | 3,680' |
| Green River Tongue | 4,010' |
| Wasatch | 4,150' |
| Chapita Wells | 5,025' |
| Uteland Buttes | 6,090' |
| Mesaverde | 6,865' |

3. ESTIMATED DEPTHS OF ANTICIPATED WATER. OIL, GAS OR MINERALS

| Formation | Depth | Type |
|---|---|---|
| Wasatch Tongue | 3,680' | Oil |
| Green River Tongue | 4,010' | Oil |
| Wasatch | 4,150' | Gas |
| Chapita Wells | 5,025' | Gas |
| Uteland Buttes | 6,090' | Gas |
| Mesaverde | 6,865' | Gas |

4. PROPOSED CASING PROGRAM

All casing used to drill this well will be new casing.

| Type | Size | Weight | Grade | Conn. | Top | Bottom | Hole |
|---|---|---|---|---|---|---|---|
| Surface | 13-3/8" | 48.0 ppf | H-40 | STC | 0' | 500' | 17-½" |
| Intermediate | 9-5/8" | 36.0 ppf | J-55 | LTC | 0' | 2,800' | 12-1/4" |
| Production | 5-1/2" | 17.0 ppf | MAV-80 | LTC | 0' | 9,050' | 7-7/8" |

5. OPERATOR'S MINIMUM SPECIFICATIONS FOR PRESSURE CONTROL

Surface hole: No BOPE will be utilized.
Intermediate hole: To be drilled using a diverter stack with rotating head to divert flow from rig floor.
Production hole: Prior to drilling out the intermediate casing shoe, 3,000 psi or greater BOP equipment will be installed. The pipe rams will be operated at least once per day from intermediate casing to total depth. The blind rams will be tested once per day from intermediate casing to total depth if operations permit.

## DRILLING PLAN

## APPROVAL OF OPERATIONS

A diagram of the planned BOP equipment for normal drilling operations in this area is attached. As denoted there will be two valves and one check valve on the kill line, two valves on the choke line, and two adjustable chokes on the manifold system. The BOP "stack" will consist of two BOP rams (1 pipe, 1 blind) and one annular type preventer, all rated to a minimum of 3,000 psi working pressure.

The BOP equipment will be pressure tested prior to drilling below the intermediate casing shoe. All test pressures will be maintained for fifteen (15) minutes without any significant pressure decrease. Clear water will be circulated into the BOP stack and lines prior to pressure testing. The following test pressures will be used as a minimum for various equipment items.

| | | |
|---|---|---|
| 1. | Annular BOP | 1,500 psi |
| 2. | Ram type BOP | 3,000 psi |
| 3. | Kill line valves | 3,000 psi |
| 4. | Choke line valves and choke manifold valves | 3,000 psi |
| 5. | Chokes | 3,000 psi |
| 6. | Casing, casinghead & weld | 1,500 psi |
| 7. | Upper kelly cock and safety valve | 3,000 psi |
| 8. | Dart valve | 3,000 psi |

6. MUD SYSTEMS
   - An air or an air/mist system may be used to drill to drill the surface hole until water influx becomes too great.
   - KCL mud system will be used to drill well.

| Depths | Mud Weight (ppg) | Mud System |
|---|---|---|
| 0' – 500' | 8.4 | Air foam mist, no pressure control |
| 500' – 2,800' | 8.6 | Fresh water, rotating head and diverter |
| 2,800' – 9,050' | 8.6 | Fresh water/2% KCL/KCL mud system |

7. BLOOIE LINE
   - An automatic igniter will not be installed on blooie line. The blooie will have a contant ignition source.
   - A "target tee" connection will be installed on blooie line for 90° change of directions for abrasion resistance.
   - "Target tee" connections will be a minimum of 50' from wellhead.
   - The blooie line discharge will be a minimum of 100' from the wellhead.

8. AUXILIARY EQUIPMENT TO BE USED
   a. Kelly cock.
   b. Full opening valve with drill pipe connection will be kept on floor. Valve will be used when the kelly is not in string.

9. TESTING. LOGGING, AND CORING PROGRAMS TO BE FOLLOWED
   - A drillstem test in the Wasatch Tongue is possible.
   - One electric line wire-log will be run from total depth to intermediate casing.
   - The gamma ray will be left on to record from total depth to intermediate casing.
   - Other log curves (resistivities, porosity, and caliper) will record from total depth to intermediate casing.
   - A dipmeter, percussion cores, or rotary cores may be run over selected intervals.

10. ANTICIPATED ABNORMAL PRESSURES OR TEMPERATURES EXPECTED
    - Expected BHP 1,500–2,000 psi (lower than normal pressure gradient).
    - No abnormal temperature or pressures are anticipated.
    - The formations to be penetrated do not contain known H2S gas.

11. WATER SUPPLY
    - No water pipelines will be laid for this well.
    - No water well will be drilled for this well.
    - Drilling water for this will be hauled on the road(s) shown in Attachment No. 3.
    - Water will be hauled from: Water Permit # 43-10447 Section 9, Township 8 South, Range 20 East

**DRILLING PLAN**

**APPROVAL OF OPERATIONS**

12. CEMENT SYSTEMS

a. Surface Cement:
Drill 17-½" hole to 500' and cement 13-3/8" to surface with 450 sks class "C" cement with 2% $CaCl_2$ and 1/4 #/sk. Poly-E-Flakes (volume includes 40% excess). Top out if necessary with Top Out cement listed below.

b. Intermediate Casing Cement:
- Drill 12-1/4" hole to 2,800'±, run and cement 9-5/8" to surface.
- Pump 20 bbls lightly weighted water spacer followed by 5 bbls fresh water. Displace with any available water.
- Casing to be run with: a) guide shoe b) insert float c) three (3) centralizers, one on each of first 3 joints d) stop ring for plug two joints off bottom e) bottom three joints thread locked f) pump job with bottom plug only.
- Cement to surface not required due to surface casing set deeper than normal.

| Type | Sacks | Interval | Density | Yield | Hole Volume | Cement Volume | Excess |
|---|---|---|---|---|---|---|---|
| Lead | 300 | 0'–2,000' | 11.0 ppg | 3.82 CFS | 658 CF | 1,152 CF | 75% |
| Tail | 390 | 2,000'–2,800' | 15.6 ppg | 1.20 CFS | 268 CF | 469 CF | 75% |

Lead Mix: Halliburton Prem Plus V blend. Blend includes Class "C" cement, gel, salt, gilsonite, EX-1 and HR-7.
Slurry yield: 3.82 cf/sack Slurry weight: 11.00 #/gal.
Water requirement: 22.95 gal/sack
Compressives @ 130°F: 157 psi after 24 hours

Tail Mix: Class "G" Cement, 1/4 lb/sk Cellophane Flakes + 2% bwoc Calcium Chloride + 44.3% fresh water.
Pump Time: 1 hr. 5 min. @ 90 °F.
Compressives @ 95 °F: 24 Hour is 4,700 psi

c. Production Casing Cement:
- Drill 7-7/8" hole to 9,050'±, run and cement 5 1/2".
- Cement interface is at 3,700', which is typically 500'-1,000' above shallowest pay.
- Pump 20 bbl Mud Clean II unweighted spacer, followed by 20 Bbls fresh H20 spacer.
- Displace with 3% KCL.

| Type | Sacks | Interval | Density | Yield | Hole Volume | Cement Volume | Excess |
|---|---|---|---|---|---|---|---|
| Lead | 90 | 3,700'–4,500' | 11.5 ppg | 3.12 CFS | 139 CF | 277 CF | 100% |
| Tail | 600 | 4,500'–9,050' | 13.0 ppg | 1.75 CFS | 525 CF | 1050 CF | 100% |

Note: Caliper will be run to determine exact cement volume.

Lead Mix: Halliburton Prem Plus V blend. Blend includes Class "C" cement, gel, salt, gilsonite, EX-1 and HR-7.
Slurry yield: 3.12 cf/sack Slurry weight: 11.60 #/gal.
Water requirement: 17.71 gal/sack
Compressives @ 130°F: 157 psi after 24 hours

Tail Mix: Halliburton HLC blend (Prem Plus V/JB flyash). Blend includes Class "G" cement, KCl, EX-1, Halad 322, & HR-5.
Slurry yield: 1.75 cf/sack Slurry weight: 13.00 #/gal.
Water requirement: 9.09 gal/sack
Compressives @ 165°F: 905 psi after 24 hours

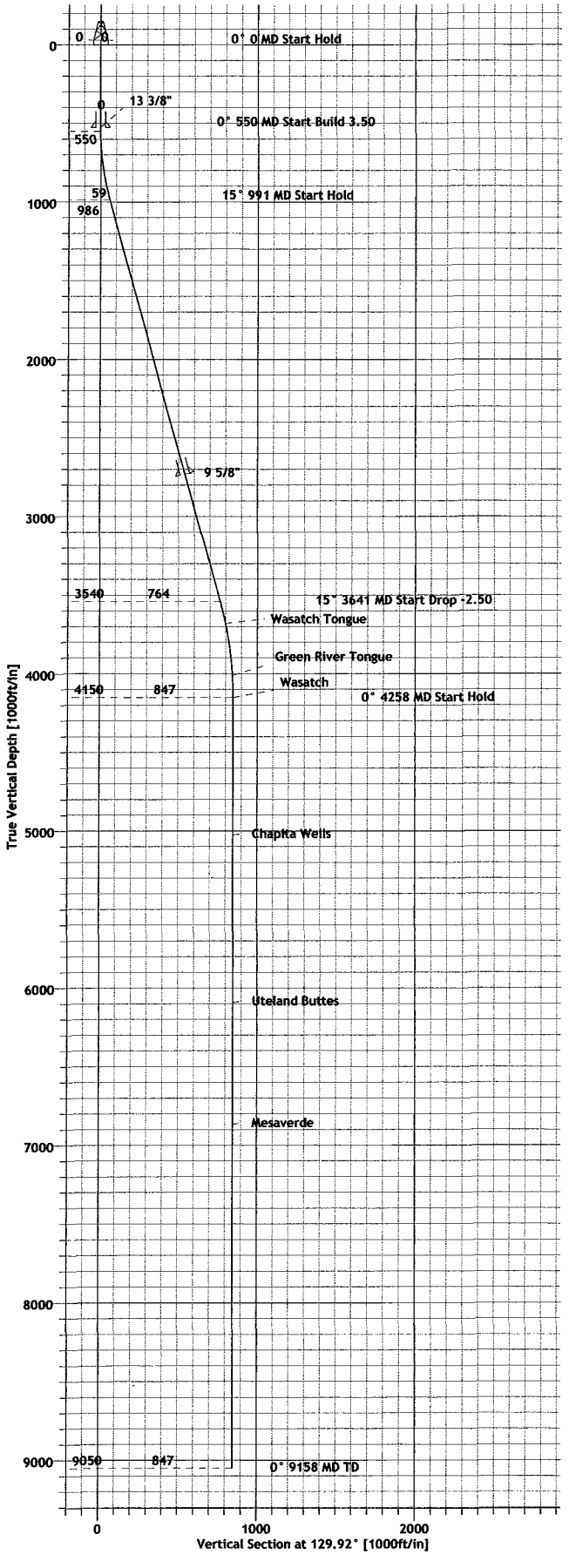
13. ANTICIPATED STARTING DATE AND DURATION OF THE OPERATIONS
Starting Date: August 15, 2005
Duration: 14 Days

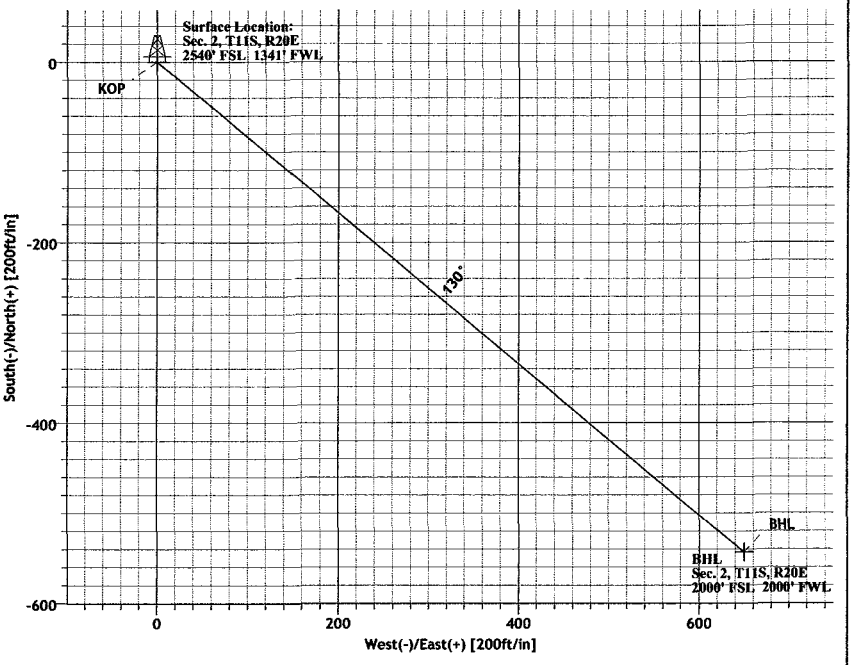
Ryan

# Plan #1

Dominion E & P

**Well: LCU 11-2H**
**Field: Little Canyon Unit**
**Uintah Co. Utah**
**Sec. 2, T11S, R20E**




SECTION DETAILS

| Sec | MD | Inc | Azi | TVD | +N/-S | +E/-W | DLeg | TFace | VSec | Target |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0.00 | 0.00 | 129.92 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 2 | 550.00 | 0.00 | 129.92 | 550.00 | 0.00 | 0.00 | 0.00 | 129.92 | 0.00 | |
| 3 | 990.97 | 15.43 | 129.92 | 985.66 | -37.88 | 45.28 | 3.50 | 129.92 | 59.03 | |
| 4 | 3640.96 | 15.43 | 129.92 | 3540.08 | -490.44 | 586.15 | 0.00 | 0.00 | 764.27 | |
| 5 | 4258.32 | 0.00 | 129.92 | 4150.00 | -543.48 | 649.54 | 2.50 | 180.00 | 846.92 | |
| 6 | 9158.32 | 0.00 | 129.92 | 9050.00 | -543.48 | 649.54 | 0.00 | 129.92 | 846.92 | |

WELL DETAILS

| Name | +N/-S | +E/-W | Northing | Easting | Latitude | Longitude | Slot |
|---|---|---|---|---|---|---|---|
| LCU 11-2H | 0.00 | 0.00 | 7133731.23 | 2159125.76 | 39°53'21.030N | 109°39'04.420W | N/A |

FORMATION TOP DETAILS

| No. | TVDPath | MDPath | Formation |
|---|---|---|---|
| 1 | 3680.00 | 3784.96 | Wasatch Tongue |
| 2 | 4010.00 | 4118.23 | Green River Tongue |
| 3 | 4150.00 | 4258.32 | Wasatch |
| 4 | 5025.00 | 5133.32 | Chapita Wells |
| 5 | 6090.00 | 6198.32 | Uteland Buttes |
| 6 | 6865.00 | 6973.32 | Mesaverde |

WELLPATH DETAILS

1

| | | | |
|---|---|---|---|
| Rig: | | | |
| Ref. Datum: | est.KB@5440' | | 0.00ft |
| V.Section Angle | Origin +N/-S | Origin +E/-W | Starting From TVD |
| 129.92° | 0.00 | 0.00 | 0.00 |

REFERENCE INFORMATION

Co-ordinate (N/E) Reference: Site Centre LCU 11-2H, True North
Vertical (TVD) Reference: est.KB@5440' 0.00
Section (VS) Reference: Site Centre (0.00N,0.00E)
Measured Depth Reference: est.KB@5440' 0.00
Calculation Method: Minimum Curvature


Azimuths to True North
Magnetic North: 11.90°

Magnetic Field
Strength: 52906nT
Dip Angle: 65.90°
Date: 5/8/2005
Model: igrf2005

FIELD DETAILS

Natural Buttes Field
Uintah County, Utah
USA

Geodetic System: US State Plane Coordinate System 1983
Ellipsoid: GRS 1980
Zone: Utah, Central Zone
Magnetic Model: igrf2005

System Datum: Mean Sea Level
Local North: True North

SITE DETAILS

LCU 11-2H
Little Canyon Unit
Sec. 2, T11S, R20E

Site Centre Latitude: 39°53'21.030N
Longitude: 109°39'04.420W

Ground Level: 5420.00
Positional Uncertainty: 0.00
Convergence: 1.18

CONFIDENTIAL

Dominion

# Ryan Energy Technologies
## Planning Report

Ryan

| | | | | | |
|---|---|---|---|---|---|
| **Company:** | Dominion E & P | **Date:** 5/8/2005 | **Time:** 02:08:01 | **Page:** | 1 |
| **Field:** | Natural Buttes Field | **Co-ordinate(NE) Reference:** | Site: LCU 11-2H, True North | | |
| **Site:** | LCU 11-2H | **Vertical (TVD) Reference:** | est.KB@5440' 0.0 | | |
| **Well:** | LCU 11-2H | **Section (VS) Reference:** | Site (0.00N,0.00E,129.92Azi) | | |
| **Wellpath:** | 1 | **Plan:** | Plan #1 | | |

| | | | |
|---|---|---|---|
| **Field:** | Natural Buttes Field<br>Uintah County, Utah<br>USA | | |
| **Map System:** | US State Plane Coordinate System 1983 | **Map Zone:** | Utah, Central Zone |
| **Geo Datum:** | GRS 1980 | **Coordinate System:** | Site Centre |
| **Sys Datum:** | Mean Sea Level | **Geomagnetic Model:** | igrf2005 |

| | | | | | |
|---|---|---|---|---|---|
| **Site:** | LCU 11-2H<br>Little Canyon Unit<br>Sec. 2, T11S, R20E | | | | |
| **Site Position:** | | **Northing:** 7133731.23 ft | **Latitude:** | 39 53 21.030 | N |
| **From:** | Geographic | **Easting:** 2159125.76 ft | **Longitude:** | 109 39 4.420 | W |
| **Position Uncertainty:** | 0.00 ft | | **North Reference:** | True | |
| **Ground Level:** | 5420.00 ft | | **Grid Convergence:** | 1.18 deg | |

| | | | | | | |
|---|---|---|---|---|---|---|
| **Well:** | LCU 11-2H | | | **Slot Name:** | | |
| **Surface Position:** | +N/-S | 0.00 ft | **Northing:** 7133731.23 ft | **Latitude:** | 39 53 21.030 | N |
| | +E/-W | 0.00 ft | **Easting :** 2159125.76 ft | **Longitude:** | 109 39 4.420 | W |
| **Position Uncertainty:** | | 0.00 ft | | | | |
| **Reference Point:** | +N/-S | 0.00 ft | **Northing:** 7133731.23 ft | **Latitude:** | 39 53 21.030 | N |
| | +E/-W | 0.00 ft | **Easting :** 2159125.76 ft | **Longitude:** | 109 39 4.420 | W |
| | | | **Measured Depth:** 0.00 ft | **Inclination:** | 0.00 | deg |
| | | | **Vertical Depth:** 0.00 ft | **Azimuth :** | 0.00 | deg |

| | | | | | |
|---|---|---|---|---|---|
| **Wellpath:** | 1 | | **Drilled From:** | Well Ref. Point | |
| | | | **Tie-on Depth:** | 0.00 ft | |
| **Current Datum:** | est.KB@5440' | **Height** 0.00 ft | **Above System Datum:** | Mean Sea Level | |
| **Magnetic Data:** | 5/8/2005 | | **Declination:** | 11.90 deg | |
| **Field Strength:** | 52906 nT | | **Mag Dip Angle:** | 65.90 deg | |

| **Vertical Section: Depth From (TVD)** ft | **+N/-S** ft | **+E/-W** ft | **Direction** deg |
|---|---|---|---|
| 0.00 | 0.00 | 0.00 | 129.92 |

| | | | |
|---|---|---|---|
| **Plan:** | Plan #1 | **Date Composed:** | 5/8/2005 |
| | | **Version:** | 1 |
| **Principal:** | Yes | **Tied-to:** | From Well Ref. Point |

**Plan Section Information**

| MD ft | Incl deg | Azim deg | TVD ft | +N/-S ft | +E/-W ft | DLS deg/100ft | Build deg/100ft | Turn deg/100ft | TFO deg | Target |
|---|---|---|---|---|---|---|---|---|---|---|
| 0.00 | 0.00 | 129.92 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 550.00 | 0.00 | 129.92 | 550.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 131.10 | |
| 990.97 | 15.43 | 129.92 | 985.66 | -37.88 | 45.28 | 3.50 | 3.50 | 0.00 | 129.92 | |
| 3640.96 | 15.43 | 129.92 | 3540.08 | -490.44 | 586.15 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 4258.32 | 0.00 | 129.92 | 4150.00 | -543.48 | 649.54 | 2.50 | -2.50 | 0.00 | 180.00 | |
| 9158.32 | 0.00 | 129.92 | 9050.00 | -543.48 | 649.54 | 0.00 | 0.00 | 0.00 | 129.92 | |

**Section 1 : Start Hold**

| MD ft | Incl deg | Azim deg | TVD ft | +N/-S ft | +E/-W ft | VS ft | DLS deg/100ft | Build deg/100ft | Turn deg/100ft | TFO deg |
|---|---|---|---|---|---|---|---|---|---|---|
| 0.00 | 0.00 | 129.92 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 100.00 | 0.00 | 129.92 | 100.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 129.92 |
| 200.00 | 0.00 | 129.92 | 200.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 129.92 |
| 300.00 | 0.00 | 129.92 | 300.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 129.92 |
| 400.00 | 0.00 | 129.92 | 400.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 129.92 |
| 500.00 | 0.00 | 129.92 | 500.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 129.92 |
| 550.00 | 0.00 | 129.92 | 550.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 129.92 |

**Section 2 : Start Build 3.50**

| MD ft | Incl deg | Azim deg | TVD ft | +N/-S ft | +E/-W ft | VS ft | DLS deg/100ft | Build deg/100ft | Turn deg/100ft | TFO deg |
|---|---|---|---|---|---|---|---|---|---|---|
| 600.00 | 1.75 | 129.92 | 599.99 | -0.49 | 0.59 | 0.76 | 3.50 | 3.50 | 0.00 | 0.00 |
| 700.00 | 5.25 | 129.92 | 699.79 | -4.41 | 5.27 | 6.87 | 3.50 | 3.50 | 0.00 | 0.00 |

| | | | |
|---|---|---|---|
| **Company:** | Dominion E & P | **Date:** 5/8/2005 **Time:** 02:08:01 | **Page:** 2 |
| **Field:** | Natural Buttes Field | **Co-ordinate(NE) Reference:** Site: LCU 11-2H, True North | |
| **Site:** | LCU 11-2H | **Vertical (TVD) Reference:** est.KB@5440' 0.0 | |
| **Well:** | LCU 11-2H | **Section (VS) Reference:** Site (0.00N,0.00E,129.92Azi) | |
| **Wellpath:** | 1 | **Plan:** Plan #1 | |

**Section 2 : Start Build 3.50**

| MD ft | Incl deg | Azim deg | TVD ft | +N/-S ft | +E/-W ft | VS ft | DLS deg/100ft | Build deg/100ft | Turn deg/100ft | TFO deg |
|---|---|---|---|---|---|---|---|---|---|---|
| 800.00 | 8.75 | 129.92 | 799.03 | -12.23 | 14.61 | 19.05 | 3.50 | 3.50 | 0.00 | 0.00 |
| 900.00 | 12.25 | 129.92 | 897.34 | -23.92 | 28.59 | 37.27 | 3.50 | 3.50 | 0.00 | 0.00 |
| 990.97 | 15.43 | 129.92 | 985.66 | -37.88 | 45.28 | 59.03 | 3.50 | 3.50 | 0.00 | 0.00 |

**Section 3 : Start Hold**

| MD ft | Incl deg | Azim deg | TVD ft | +N/-S ft | +E/-W ft | VS ft | DLS deg/100ft | Build deg/100ft | Turn deg/100ft | TFO deg |
|---|---|---|---|---|---|---|---|---|---|---|
| 1000.00 | 15.43 | 129.92 | 994.36 | -39.43 | 47.12 | 61.44 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1100.00 | 15.43 | 129.92 | 1090.75 | -56.50 | 67.53 | 88.05 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1200.00 | 15.43 | 129.92 | 1187.15 | -73.58 | 87.94 | 114.66 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1300.00 | 15.43 | 129.92 | 1283.54 | -90.66 | 108.35 | 141.28 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1400.00 | 15.43 | 129.92 | 1379.94 | -107.74 | 128.76 | 167.89 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1500.00 | 15.43 | 129.92 | 1476.33 | -124.81 | 149.17 | 194.50 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1600.00 | 15.43 | 129.92 | 1572.72 | -141.89 | 169.58 | 221.11 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1700.00 | 15.43 | 129.92 | 1669.12 | -158.97 | 189.99 | 247.73 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1800.00 | 15.43 | 129.92 | 1765.51 | -176.05 | 210.40 | 274.34 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1900.00 | 15.43 | 129.92 | 1861.90 | -193.13 | 230.81 | 300.95 | 0.00 | 0.00 | 0.00 | 0.00 |
| 2000.00 | 15.43 | 129.92 | 1958.30 | -210.20 | 251.22 | 327.57 | 0.00 | 0.00 | 0.00 | 0.00 |
| 2100.00 | 15.43 | 129.92 | 2054.69 | -227.28 | 271.64 | 354.18 | 0.00 | 0.00 | 0.00 | 0.00 |
| 2200.00 | 15.43 | 129.92 | 2151.09 | -244.36 | 292.05 | 380.79 | 0.00 | 0.00 | 0.00 | 0.00 |
| 2300.00 | 15.43 | 129.92 | 2247.48 | -261.44 | 312.46 | 407.40 | 0.00 | 0.00 | 0.00 | 0.00 |
| 2400.00 | 15.43 | 129.92 | 2343.87 | -278.51 | 332.87 | 434.02 | 0.00 | 0.00 | 0.00 | 0.00 |
| 2500.00 | 15.43 | 129.92 | 2440.27 | -295.59 | 353.28 | 460.63 | 0.00 | 0.00 | 0.00 | 0.00 |
| 2600.00 | 15.43 | 129.92 | 2536.66 | -312.67 | 373.69 | 487.24 | 0.00 | 0.00 | 0.00 | 0.00 |
| 2700.00 | 15.43 | 129.92 | 2633.05 | -329.75 | 394.10 | 513.86 | 0.00 | 0.00 | 0.00 | 0.00 |
| 2800.00 | 15.43 | 129.92 | 2729.45 | -346.83 | 414.51 | 540.47 | 0.00 | 0.00 | 0.00 | 0.00 |
| 2900.00 | 15.43 | 129.92 | 2825.84 | -363.90 | 434.92 | 567.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 3000.00 | 15.43 | 129.92 | 2922.24 | -380.98 | 455.33 | 593.69 | 0.00 | 0.00 | 0.00 | 0.00 |
| 3100.00 | 15.43 | 129.92 | 3018.63 | -398.06 | 475.74 | 620.31 | 0.00 | 0.00 | 0.00 | 0.00 |
| 3200.00 | 15.43 | 129.92 | 3115.02 | -415.14 | 496.15 | 646.92 | 0.00 | 0.00 | 0.00 | 0.00 |
| 3300.00 | 15.43 | 129.92 | 3211.42 | -432.22 | 516.56 | 673.53 | 0.00 | 0.00 | 0.00 | 0.00 |
| 3400.00 | 15.43 | 129.92 | 3307.81 | -449.29 | 536.97 | 700.15 | 0.00 | 0.00 | 0.00 | 0.00 |
| 3500.00 | 15.43 | 129.92 | 3404.20 | -466.37 | 557.38 | 726.76 | 0.00 | 0.00 | 0.00 | 0.00 |
| 3600.00 | 15.43 | 129.92 | 3500.60 | -483.45 | 577.79 | 753.37 | 0.00 | 0.00 | 0.00 | 0.00 |
| 3640.96 | 15.43 | 129.92 | 3540.08 | -490.44 | 586.15 | 764.27 | 0.00 | 0.00 | 0.00 | 0.00 |

**Section 4 : Start Drop -2.50**

| MD ft | Incl deg | Azim deg | TVD ft | +N/-S ft | +E/-W ft | VS ft | DLS deg/100ft | Build deg/100ft | Turn deg/100ft | TFO deg |
|---|---|---|---|---|---|---|---|---|---|---|
| 3700.00 | 13.96 | 129.92 | 3597.19 | -500.05 | 597.64 | 779.25 | 2.50 | -2.50 | 0.00 | 180.00 |
| 3784.96 | 11.83 | 129.92 | 3680.00 | -512.22 | 612.18 | 798.21 | 2.50 | -2.50 | 0.00 | -180.00 |
| 3800.00 | 11.46 | 129.92 | 3694.73 | -514.17 | 614.51 | 801.25 | 2.50 | -2.50 | 0.00 | 180.00 |
| 3900.00 | 8.96 | 129.92 | 3793.14 | -525.54 | 628.10 | 818.97 | 2.50 | -2.50 | 0.00 | 180.00 |
| 4000.00 | 6.46 | 129.92 | 3892.23 | -534.15 | 638.39 | 832.38 | 2.50 | -2.50 | 0.00 | 180.00 |
| 4100.00 | 3.96 | 129.92 | 3991.81 | -539.97 | 645.35 | 841.45 | 2.50 | -2.50 | 0.00 | 180.00 |
| 4118.23 | 3.50 | 129.92 | 4010.00 | -540.73 | 646.26 | 842.64 | 2.50 | -2.50 | 0.00 | 180.00 |
| 4200.00 | 1.46 | 129.92 | 4091.69 | -543.00 | 648.97 | 846.18 | 2.50 | -2.50 | 0.00 | -180.00 |
| 4258.32 | 0.00 | 129.92 | 4150.00 | -543.48 | 649.54 | 846.92 | 2.50 | -2.50 | 0.00 | -180.00 |

**Section 5 : Start Hold**

| MD ft | Incl deg | Azim deg | TVD ft | +N/-S ft | +E/-W ft | VS ft | DLS deg/100ft | Build deg/100ft | Turn deg/100ft | TFO deg |
|---|---|---|---|---|---|---|---|---|---|---|
| 4300.00 | 0.00 | 129.92 | 4191.68 | -543.48 | 649.54 | 846.92 | 0.00 | 0.00 | 0.00 | 129.92 |
| 4400.00 | 0.00 | 129.92 | 4291.68 | -543.48 | 649.54 | 846.92 | 0.00 | 0.00 | 0.00 | 129.92 |
| 4500.00 | 0.00 | 129.92 | 4391.68 | -543.48 | 649.54 | 846.92 | 0.00 | 0.00 | 0.00 | 129.92 |
| 4600.00 | 0.00 | 129.92 | 4491.68 | -543.48 | 649.54 | 846.92 | 0.00 | 0.00 | 0.00 | 129.92 |
| 4700.00 | 0.00 | 129.92 | 4591.68 | -543.48 | 649.54 | 846.92 | 0.00 | 0.00 | 0.00 | 129.92 |
| 4800.00 | 0.00 | 129.92 | 4691.68 | -543.48 | 649.54 | 846.92 | 0.00 | 0.00 | 0.00 | 129.92 |
| 4900.00 | 0.00 | 129.92 | 4791.68 | -543.48 | 649.54 | 846.92 | 0.00 | 0.00 | 0.00 | 129.92 |
| 5000.00 | 0.00 | 129.92 | 4891.68 | -543.48 | 649.54 | 846.92 | 0.00 | 0.00 | 0.00 | 129.92 |
| 5100.00 | 0.00 | 129.92 | 4991.68 | -543.48 | 649.54 | 846.92 | 0.00 | 0.00 | 0.00 | 129.92 |

| | | | |
|---|---|---|---|
| **Company:** | Dominion E & P | **Date:** 5/8/2005 **Time:** 02:08:01 | **Page:** 3 |
| **Field:** | Natural Buttes Field | **Co-ordinate(NE) Reference:** Site: LCU 11-2H, True North | |
| **Site:** | LCU 11-2H | **Vertical (TVD) Reference:** est.KB@5440' 0.0 | |
| **Well:** | LCU 11-2H | **Section (VS) Reference:** Site (0.00N,0.00E,129.92Azi) | |
| **Wellpath:** | 1 | **Plan:** Plan #1 | |

**Section** 5 : Start Hold

| MD ft | Incl deg | Azim deg | TVD ft | +N/-S ft | +E/-W ft | VS ft | DLS deg/100ft | Build deg/100ft | Turn deg/100ft | TFO deg |
|---|---|---|---|---|---|---|---|---|---|---|
| 5133.32 | 0.00 | 129.92 | 5025.00 | -543.48 | 649.54 | 846.92 | 0.00 | 0.00 | 0.00 | 129.92 |
| 5200.00 | 0.00 | 129.92 | 5091.68 | -543.48 | 649.54 | 846.92 | 0.00 | 0.00 | 0.00 | 129.92 |
| 5300.00 | 0.00 | 129.92 | 5191.68 | -543.48 | 649.54 | 846.92 | 0.00 | 0.00 | 0.00 | 129.92 |
| 5400.00 | 0.00 | 129.92 | 5291.68 | -543.48 | 649.54 | 846.92 | 0.00 | 0.00 | 0.00 | 129.92 |
| 5500.00 | 0.00 | 129.92 | 5391.68 | -543.48 | 649.54 | 846.92 | 0.00 | 0.00 | 0.00 | 129.92 |
| 5600.00 | 0.00 | 129.92 | 5491.68 | -543.48 | 649.54 | 846.92 | 0.00 | 0.00 | 0.00 | 129.92 |
| 5700.00 | 0.00 | 129.92 | 5591.68 | -543.48 | 649.54 | 846.92 | 0.00 | 0.00 | 0.00 | 129.92 |
| 5800.00 | 0.00 | 129.92 | 5691.68 | -543.48 | 649.54 | 846.92 | 0.00 | 0.00 | 0.00 | 129.92 |
| 5900.00 | 0.00 | 129.92 | 5791.68 | -543.48 | 649.54 | 846.92 | 0.00 | 0.00 | 0.00 | 129.92 |
| 6000.00 | 0.00 | 129.92 | 5891.68 | -543.48 | 649.54 | 846.92 | 0.00 | 0.00 | 0.00 | 129.92 |
| 6100.00 | 0.00 | 129.92 | 5991.68 | -543.48 | 649.54 | 846.92 | 0.00 | 0.00 | 0.00 | 129.92 |
| 6198.32 | 0.00 | 129.92 | 6090.00 | -543.48 | 649.54 | 846.92 | 0.00 | 0.00 | 0.00 | 129.92 |
| 6200.00 | 0.00 | 129.92 | 6091.68 | -543.48 | 649.54 | 846.92 | 0.00 | 0.00 | 0.00 | 129.92 |
| 6300.00 | 0.00 | 129.92 | 6191.68 | -543.48 | 649.54 | 846.92 | 0.00 | 0.00 | 0.00 | 129.92 |
| 6400.00 | 0.00 | 129.92 | 6291.68 | -543.48 | 649.54 | 846.92 | 0.00 | 0.00 | 0.00 | 129.92 |
| 6500.00 | 0.00 | 129.92 | 6391.68 | -543.48 | 649.54 | 846.92 | 0.00 | 0.00 | 0.00 | 129.92 |
| 6600.00 | 0.00 | 129.92 | 6491.68 | -543.48 | 649.54 | 846.92 | 0.00 | 0.00 | 0.00 | 129.92 |
| 6700.00 | 0.00 | 129.92 | 6591.68 | -543.48 | 649.54 | 846.92 | 0.00 | 0.00 | 0.00 | 129.92 |
| 6800.00 | 0.00 | 129.92 | 6691.68 | -543.48 | 649.54 | 846.92 | 0.00 | 0.00 | 0.00 | 129.92 |
| 6900.00 | 0.00 | 129.92 | 6791.68 | -543.48 | 649.54 | 846.92 | 0.00 | 0.00 | 0.00 | 129.92 |
| 6973.32 | 0.00 | 129.92 | 6865.00 | -543.48 | 649.54 | 846.92 | 0.00 | 0.00 | 0.00 | 129.92 |
| 7000.00 | 0.00 | 129.92 | 6891.68 | -543.48 | 649.54 | 846.92 | 0.00 | 0.00 | 0.00 | 129.92 |
| 7100.00 | 0.00 | 129.92 | 6991.68 | -543.48 | 649.54 | 846.92 | 0.00 | 0.00 | 0.00 | 129.92 |
| 7200.00 | 0.00 | 129.92 | 7091.68 | -543.48 | 649.54 | 846.92 | 0.00 | 0.00 | 0.00 | 129.92 |
| 7300.00 | 0.00 | 129.92 | 7191.68 | -543.48 | 649.54 | 846.92 | 0.00 | 0.00 | 0.00 | 129.92 |
| 7400.00 | 0.00 | 129.92 | 7291.68 | -543.48 | 649.54 | 846.92 | 0.00 | 0.00 | 0.00 | 129.92 |
| 7500.00 | 0.00 | 129.92 | 7391.68 | -543.48 | 649.54 | 846.92 | 0.00 | 0.00 | 0.00 | 129.92 |
| 7600.00 | 0.00 | 129.92 | 7491.68 | -543.48 | 649.54 | 846.92 | 0.00 | 0.00 | 0.00 | 129.92 |
| 7700.00 | 0.00 | 129.92 | 7591.68 | -543.48 | 649.54 | 846.92 | 0.00 | 0.00 | 0.00 | 129.92 |
| 7800.00 | 0.00 | 129.92 | 7691.68 | -543.48 | 649.54 | 846.92 | 0.00 | 0.00 | 0.00 | 129.92 |
| 7900.00 | 0.00 | 129.92 | 7791.68 | -543.48 | 649.54 | 846.92 | 0.00 | 0.00 | 0.00 | 129.92 |
| 8000.00 | 0.00 | 129.92 | 7891.68 | -543.48 | 649.54 | 846.92 | 0.00 | 0.00 | 0.00 | 129.92 |
| 8100.00 | 0.00 | 129.92 | 7991.68 | -543.48 | 649.54 | 846.92 | 0.00 | 0.00 | 0.00 | 129.92 |
| 8200.00 | 0.00 | 129.92 | 8091.68 | -543.48 | 649.54 | 846.92 | 0.00 | 0.00 | 0.00 | 129.92 |
| 8300.00 | 0.00 | 129.92 | 8191.68 | -543.48 | 649.54 | 846.92 | 0.00 | 0.00 | 0.00 | 129.92 |
| 8400.00 | 0.00 | 129.92 | 8291.68 | -543.48 | 649.54 | 846.92 | 0.00 | 0.00 | 0.00 | 129.92 |
| 8500.00 | 0.00 | 129.92 | 8391.68 | -543.48 | 649.54 | 846.92 | 0.00 | 0.00 | 0.00 | 129.92 |
| 8600.00 | 0.00 | 129.92 | 8491.68 | -543.48 | 649.54 | 846.92 | 0.00 | 0.00 | 0.00 | 129.92 |
| 8700.00 | 0.00 | 129.92 | 8591.68 | -543.48 | 649.54 | 846.92 | 0.00 | 0.00 | 0.00 | 129.92 |
| 8800.00 | 0.00 | 129.92 | 8691.68 | -543.48 | 649.54 | 846.92 | 0.00 | 0.00 | 0.00 | 129.92 |
| 8900.00 | 0.00 | 129.92 | 8791.68 | -543.48 | 649.54 | 846.92 | 0.00 | 0.00 | 0.00 | 129.92 |
| 9000.00 | 0.00 | 129.92 | 8891.68 | -543.48 | 649.54 | 846.92 | 0.00 | 0.00 | 0.00 | 129.92 |
| 9100.00 | 0.00 | 129.92 | 8991.68 | -543.48 | 649.54 | 846.92 | 0.00 | 0.00 | 0.00 | 129.92 |
| 9158.32 | 0.00 | 129.92 | 9050.00 | -543.48 | 649.54 | 846.92 | 0.00 | 0.00 | 0.00 | 129.92 |

**Survey**

| MD ft | Incl deg | Azim deg | TVD ft | +N/-S ft | +E/-W ft | VS ft | DLS deg/100ft | Build deg/100ft | Turn deg/100ft | Tool/Comment |
|---|---|---|---|---|---|---|---|---|---|---|
| 0.00 | 0.00 | 129.92 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 100.00 | 0.00 | 129.92 | 100.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 200.00 | 0.00 | 129.92 | 200.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 300.00 | 0.00 | 129.92 | 300.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 400.00 | 0.00 | 129.92 | 400.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 500.00 | 0.00 | 129.92 | 500.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 550.00 | 0.00 | 129.92 | 550.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | KOP |
| 600.00 | 1.75 | 129.92 | 599.99 | -0.49 | 0.59 | 0.76 | 3.50 | 3.50 | 0.00 | |
| 700.00 | 5.25 | 129.92 | 699.79 | -4.41 | 5.27 | 6.87 | 3.50 | 3.50 | 0.00 | |
| 800.00 | 8.75 | 129.92 | 799.03 | -12.23 | 14.61 | 19.05 | 3.50 | 3.50 | 0.00 | |
| 900.00 | 12.25 | 129.92 | 897.34 | -23.92 | 28.59 | 37.27 | 3.50 | 3.50 | 0.00 | |
| 990.97 | 15.43 | 129.92 | 985.66 | -37.88 | 45.28 | 59.03 | 3.50 | 3.50 | 0.00 | |
| 1000.00 | 15.43 | 129.92 | 994.36 | -39.43 | 47.12 | 61.44 | 0.00 | 0.00 | 0.00 | |

| | | | |
|---|---|---|---|
| **Company:** | Dominion E & P | **Date:** 5/8/2005 **Time:** 02:08:01 | **Page:** 4 |
| **Field:** | Natural Buttes Field | **Co-ordinate(NE) Reference:** Site: LCU 11-2H, True North | |
| **Site:** | LCU 11-2H | **Vertical (TVD) Reference:** est.KB@5440' 0.0 | |
| **Well:** | LCU 11-2H | **Section (VS) Reference:** Site (0.00N,0.00E,129.92Azi) | |
| **Wellpath:** | 1 | **Plan:** Plan #1 | |

**Survey**

| MD ft | Incl deg | Azim deg | TVD ft | +N/-S ft | +E/-W ft | VS ft | DLS deg/100ft | Build deg/100ft | Turn deg/100ft | Tool/Comment |
|---|---|---|---|---|---|---|---|---|---|---|
| 1100.00 | 15.43 | 129.92 | 1090.75 | -56.50 | 67.53 | 88.05 | 0.00 | 0.00 | 0.00 | |
| 1200.00 | 15.43 | 129.92 | 1187.15 | -73.58 | 87.94 | 114.66 | 0.00 | 0.00 | 0.00 | |
| 1300.00 | 15.43 | 129.92 | 1283.54 | -90.66 | 108.35 | 141.28 | 0.00 | 0.00 | 0.00 | |
| 1400.00 | 15.43 | 129.92 | 1379.94 | -107.74 | 128.76 | 167.89 | 0.00 | 0.00 | 0.00 | |
| 1500.00 | 15.43 | 129.92 | 1476.33 | -124.81 | 149.17 | 194.50 | 0.00 | 0.00 | 0.00 | |
| 1600.00 | 15.43 | 129.92 | 1572.72 | -141.89 | 169.58 | 221.11 | 0.00 | 0.00 | 0.00 | |
| 1700.00 | 15.43 | 129.92 | 1669.12 | -158.97 | 189.99 | 247.73 | 0.00 | 0.00 | 0.00 | |
| 1800.00 | 15.43 | 129.92 | 1765.51 | -176.05 | 210.40 | 274.34 | 0.00 | 0.00 | 0.00 | |
| 1900.00 | 15.43 | 129.92 | 1861.90 | -193.13 | 230.81 | 300.95 | 0.00 | 0.00 | 0.00 | |
| 2000.00 | 15.43 | 129.92 | 1958.30 | -210.20 | 251.22 | 327.57 | 0.00 | 0.00 | 0.00 | |
| 2100.00 | 15.43 | 129.92 | 2054.69 | -227.28 | 271.64 | 354.18 | 0.00 | 0.00 | 0.00 | |
| 2200.00 | 15.43 | 129.92 | 2151.09 | -244.36 | 292.05 | 380.79 | 0.00 | 0.00 | 0.00 | |
| 2300.00 | 15.43 | 129.92 | 2247.48 | -261.44 | 312.46 | 407.40 | 0.00 | 0.00 | 0.00 | |
| 2400.00 | 15.43 | 129.92 | 2343.87 | -278.51 | 332.87 | 434.02 | 0.00 | 0.00 | 0.00 | |
| 2500.00 | 15.43 | 129.92 | 2440.27 | -295.59 | 353.28 | 460.63 | 0.00 | 0.00 | 0.00 | |
| 2600.00 | 15.43 | 129.92 | 2536.66 | -312.67 | 373.69 | 487.24 | 0.00 | 0.00 | 0.00 | |
| 2700.00 | 15.43 | 129.92 | 2633.05 | -329.75 | 394.10 | 513.86 | 0.00 | 0.00 | 0.00 | |
| 2800.00 | 15.43 | 129.92 | 2729.45 | -346.83 | 414.51 | 540.47 | 0.00 | 0.00 | 0.00 | |
| 2900.00 | 15.43 | 129.92 | 2825.84 | -363.90 | 434.92 | 567.08 | 0.00 | 0.00 | 0.00 | |
| 3000.00 | 15.43 | 129.92 | 2922.24 | -380.98 | 455.33 | 593.69 | 0.00 | 0.00 | 0.00 | |
| 3100.00 | 15.43 | 129.92 | 3018.63 | -398.06 | 475.74 | 620.31 | 0.00 | 0.00 | 0.00 | |
| 3200.00 | 15.43 | 129.92 | 3115.02 | -415.14 | 496.15 | 646.92 | 0.00 | 0.00 | 0.00 | |
| 3300.00 | 15.43 | 129.92 | 3211.42 | -432.22 | 516.56 | 673.53 | 0.00 | 0.00 | 0.00 | |
| 3400.00 | 15.43 | 129.92 | 3307.81 | -449.29 | 536.97 | 700.15 | 0.00 | 0.00 | 0.00 | |
| 3500.00 | 15.43 | 129.92 | 3404.20 | -466.37 | 557.38 | 726.76 | 0.00 | 0.00 | 0.00 | |
| 3600.00 | 15.43 | 129.92 | 3500.60 | -483.45 | 577.79 | 753.37 | 0.00 | 0.00 | 0.00 | |
| 3640.96 | 15.43 | 129.92 | 3540.08 | -490.44 | 586.15 | 764.27 | 0.00 | 0.00 | 0.00 | |
| 3700.00 | 13.96 | 129.92 | 3597.19 | -500.05 | 597.64 | 779.25 | 2.50 | -2.50 | 0.00 | |
| 3784.96 | 11.83 | 129.92 | 3680.00 | -512.22 | 612.18 | 798.21 | 2.50 | -2.50 | 0.00 | Wasatch Tongue |
| 3800.00 | 11.46 | 129.92 | 3694.73 | -514.17 | 614.51 | 801.25 | 2.50 | -2.50 | 0.00 | |
| 3900.00 | 8.96 | 129.92 | 3793.14 | -525.54 | 628.10 | 818.97 | 2.50 | -2.50 | 0.00 | |
| 4000.00 | 6.46 | 129.92 | 3892.23 | -534.15 | 638.39 | 832.38 | 2.50 | -2.50 | 0.00 | |
| 4100.00 | 3.96 | 129.92 | 3991.81 | -539.97 | 645.35 | 841.45 | 2.50 | -2.50 | 0.00 | |
| 4118.23 | 3.50 | 129.92 | 4010.00 | -540.73 | 646.26 | 842.64 | 2.50 | -2.50 | 0.00 | Green River Tongue |
| 4200.00 | 1.46 | 129.92 | 4091.69 | -543.00 | 648.97 | 846.18 | 2.50 | -2.50 | 0.00 | |
| 4258.32 | 0.00 | 129.92 | 4150.00 | -543.48 | 649.54 | 846.92 | 2.50 | -2.50 | 0.00 | Wasatch |
| 4300.00 | 0.00 | 129.92 | 4191.68 | -543.48 | 649.54 | 846.92 | 0.00 | 0.00 | 0.00 | |
| 4400.00 | 0.00 | 129.92 | 4291.68 | -543.48 | 649.54 | 846.92 | 0.00 | 0.00 | 0.00 | |
| 4500.00 | 0.00 | 129.92 | 4391.68 | -543.48 | 649.54 | 846.92 | 0.00 | 0.00 | 0.00 | |
| 4600.00 | 0.00 | 129.92 | 4491.68 | -543.48 | 649.54 | 846.92 | 0.00 | 0.00 | 0.00 | |
| 4700.00 | 0.00 | 129.92 | 4591.68 | -543.48 | 649.54 | 846.92 | 0.00 | 0.00 | 0.00 | |
| 4800.00 | 0.00 | 129.92 | 4691.68 | -543.48 | 649.54 | 846.92 | 0.00 | 0.00 | 0.00 | |
| 4900.00 | 0.00 | 129.92 | 4791.68 | -543.48 | 649.54 | 846.92 | 0.00 | 0.00 | 0.00 | |
| 5000.00 | 0.00 | 129.92 | 4891.68 | -543.48 | 649.54 | 846.92 | 0.00 | 0.00 | 0.00 | |
| 5100.00 | 0.00 | 129.92 | 4991.68 | -543.48 | 649.54 | 846.92 | 0.00 | 0.00 | 0.00 | |
| 5133.32 | 0.00 | 129.92 | 5025.00 | -543.48 | 649.54 | 846.92 | 0.00 | 0.00 | 0.00 | Chapita Wells |
| 5200.00 | 0.00 | 129.92 | 5091.68 | -543.48 | 649.54 | 846.92 | 0.00 | 0.00 | 0.00 | |
| 5300.00 | 0.00 | 129.92 | 5191.68 | -543.48 | 649.54 | 846.92 | 0.00 | 0.00 | 0.00 | |
| 5400.00 | 0.00 | 129.92 | 5291.68 | -543.48 | 649.54 | 846.92 | 0.00 | 0.00 | 0.00 | |
| 5500.00 | 0.00 | 129.92 | 5391.68 | -543.48 | 649.54 | 846.92 | 0.00 | 0.00 | 0.00 | |
| 5600.00 | 0.00 | 129.92 | 5491.68 | -543.48 | 649.54 | 846.92 | 0.00 | 0.00 | 0.00 | |
| 5700.00 | 0.00 | 129.92 | 5591.68 | -543.48 | 649.54 | 846.92 | 0.00 | 0.00 | 0.00 | |
| 5800.00 | 0.00 | 129.92 | 5691.68 | -543.48 | 649.54 | 846.92 | 0.00 | 0.00 | 0.00 | |

| | | | |
|---|---|---|---|
| **Company:** | Dominion E & P | **Date:** 5/8/2005 **Time:** 02:08:01 | **Page:** 5 |
| **Field:** | Natural Buttes Field | **Co-ordinate(NE) Reference:** Site: LCU 11-2H, True North | |
| **Site:** | LCU 11-2H | **Vertical (TVD) Reference:** est.KB@5440' 0.0 | |
| **Well:** | LCU 11-2H | **Section (VS) Reference:** Site (0.00N,0.00E,129.92Azi) | |
| **Wellpath:** | 1 | **Plan:** Plan #1 | |

**Survey**

| MD ft | Incl deg | Azim deg | TVD ft | +N/-S ft | +E/-W ft | VS ft | DLS deg/100ft | Build deg/100ft | Turn deg/100ft | Tool/Comment |
|---|---|---|---|---|---|---|---|---|---|---|
| 5900.00 | 0.00 | 129.92 | 5791.68 | -543.48 | 649.54 | 846.92 | 0.00 | 0.00 | 0.00 | |
| 6000.00 | 0.00 | 129.92 | 5891.68 | -543.48 | 649.54 | 846.92 | 0.00 | 0.00 | 0.00 | |
| 6100.00 | 0.00 | 129.92 | 5991.68 | -543.48 | 649.54 | 846.92 | 0.00 | 0.00 | 0.00 | |
| 6198.32 | 0.00 | 129.92 | 6090.00 | -543.48 | 649.54 | 846.92 | 0.00 | 0.00 | 0.00 | Uteland Buttes |
| 6200.00 | 0.00 | 129.92 | 6091.68 | -543.48 | 649.54 | 846.92 | 0.00 | 0.00 | 0.00 | |
| 6300.00 | 0.00 | 129.92 | 6191.68 | -543.48 | 649.54 | 846.92 | 0.00 | 0.00 | 0.00 | |
| 6400.00 | 0.00 | 129.92 | 6291.68 | -543.48 | 649.54 | 846.92 | 0.00 | 0.00 | 0.00 | |
| 6500.00 | 0.00 | 129.92 | 6391.68 | -543.48 | 649.54 | 846.92 | 0.00 | 0.00 | 0.00 | |
| 6600.00 | 0.00 | 129.92 | 6491.68 | -543.48 | 649.54 | 846.92 | 0.00 | 0.00 | 0.00 | |
| 6700.00 | 0.00 | 129.92 | 6591.68 | -543.48 | 649.54 | 846.92 | 0.00 | 0.00 | 0.00 | |
| 6800.00 | 0.00 | 129.92 | 6691.68 | -543.48 | 649.54 | 846.92 | 0.00 | 0.00 | 0.00 | |
| 6900.00 | 0.00 | 129.92 | 6791.68 | -543.48 | 649.54 | 846.92 | 0.00 | 0.00 | 0.00 | |
| 6973.32 | 0.00 | 129.92 | 6865.00 | -543.48 | 649.54 | 846.92 | 0.00 | 0.00 | 0.00 | Mesaverde |
| 7000.00 | 0.00 | 129.92 | 6891.68 | -543.48 | 649.54 | 846.92 | 0.00 | 0.00 | 0.00 | |
| 7100.00 | 0.00 | 129.92 | 6991.68 | -543.48 | 649.54 | 846.92 | 0.00 | 0.00 | 0.00 | |
| 7200.00 | 0.00 | 129.92 | 7091.68 | -543.48 | 649.54 | 846.92 | 0.00 | 0.00 | 0.00 | |
| 7300.00 | 0.00 | 129.92 | 7191.68 | -543.48 | 649.54 | 846.92 | 0.00 | 0.00 | 0.00 | |
| 7400.00 | 0.00 | 129.92 | 7291.68 | -543.48 | 649.54 | 846.92 | 0.00 | 0.00 | 0.00 | |
| 7500.00 | 0.00 | 129.92 | 7391.68 | -543.48 | 649.54 | 846.92 | 0.00 | 0.00 | 0.00 | |
| 7600.00 | 0.00 | 129.92 | 7491.68 | -543.48 | 649.54 | 846.92 | 0.00 | 0.00 | 0.00 | |
| 7700.00 | 0.00 | 129.92 | 7591.68 | -543.48 | 649.54 | 846.92 | 0.00 | 0.00 | 0.00 | |
| 7800.00 | 0.00 | 129.92 | 7691.68 | -543.48 | 649.54 | 846.92 | 0.00 | 0.00 | 0.00 | |
| 7900.00 | 0.00 | 129.92 | 7791.68 | -543.48 | 649.54 | 846.92 | 0.00 | 0.00 | 0.00 | |
| 8000.00 | 0.00 | 129.92 | 7891.68 | -543.48 | 649.54 | 846.92 | 0.00 | 0.00 | 0.00 | |
| 8100.00 | 0.00 | 129.92 | 7991.68 | -543.48 | 649.54 | 846.92 | 0.00 | 0.00 | 0.00 | |
| 8200.00 | 0.00 | 129.92 | 8091.68 | -543.48 | 649.54 | 846.92 | 0.00 | 0.00 | 0.00 | |
| 8300.00 | 0.00 | 129.92 | 8191.68 | -543.48 | 649.54 | 846.92 | 0.00 | 0.00 | 0.00 | |
| 8400.00 | 0.00 | 129.92 | 8291.68 | -543.48 | 649.54 | 846.92 | 0.00 | 0.00 | 0.00 | |
| 8500.00 | 0.00 | 129.92 | 8391.68 | -543.48 | 649.54 | 846.92 | 0.00 | 0.00 | 0.00 | |
| 8600.00 | 0.00 | 129.92 | 8491.68 | -543.48 | 649.54 | 846.92 | 0.00 | 0.00 | 0.00 | |
| 8700.00 | 0.00 | 129.92 | 8591.68 | -543.48 | 649.54 | 846.92 | 0.00 | 0.00 | 0.00 | |
| 8800.00 | 0.00 | 129.92 | 8691.68 | -543.48 | 649.54 | 846.92 | 0.00 | 0.00 | 0.00 | |
| 8900.00 | 0.00 | 129.92 | 8791.68 | -543.48 | 649.54 | 846.92 | 0.00 | 0.00 | 0.00 | |
| 9000.00 | 0.00 | 129.92 | 8891.68 | -543.48 | 649.54 | 846.92 | 0.00 | 0.00 | 0.00 | |
| 9100.00 | 0.00 | 129.92 | 8991.68 | -543.48 | 649.54 | 846.92 | 0.00 | 0.00 | 0.00 | |
| 9158.32 | 0.00 | 129.92 | 9050.00 | -543.48 | 649.54 | 846.92 | 0.00 | 0.00 | 0.00 | BHL |

**Targets**

| Name | Description Dip. | Dir. | TVD ft | +N/-S ft | +E/-W ft | Map Northing ft | Map Easting ft | <---- Latitude ----> Deg | Min | Sec | <--- Longitude ---> Deg | Min | Sec |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| KOP -Plan hit target | | | 550.00 | 0.00 | 0.00 | 7133731.23 | 2159125.76 | 39 | 53 | 21.030 N | 109 | 39 | 4.420 W |
| BHL -Plan hit target | | | 9050.00 | -543.48 | 649.54 | 7133201.29 | 2159786.40 | 39 | 53 | 15.658 N | 109 | 38 | 56.086 W |

**Formations**

| MD ft | TVD ft | Formations | Lithology | Dip Angle deg | Dip Direction deg |
|---|---|---|---|---|---|
| 3784.96 | 3680.00 | Wasatch Tongue | | 0.00 | 0.00 |
| 4118.23 | 4010.00 | Green River Tongue | | 0.00 | 0.00 |
| 4258.32 | 4150.00 | Wasatch | | 0.00 | 0.00 |
| 5133.32 | 5025.00 | Chapita Wells | | 0.00 | 0.00 |
| 6198.32 | 6090.00 | Uteland Buttes | | 0.00 | 0.00 |
| 6973.32 | 6865.00 | Mesaverde | | 0.00 | 0.00 |

# SURFACE USE PLAN

# CONDITIONS OF APPROVAL

*Attachment for Permit to Drill*

| | |
|---|---|
| **Name of Operator:** | Dominion Exploration & Production |
| **Address:** | 14000 Quail Springs Parkway, Suite 600<br>Oklahoma City, OK 73134 |
| **Well Location:** | LCU 11-2H<br>SHL: 2540' FSL & 1341' FWL Section 2-11S-20E<br>BHL: 2000' FSL & 2000' FWL Section 2-11S-20E<br>Uintah County, UT |

The dirt contractor will be provided with an approved copy of the surface use plan of operations before initiating construction.

A state onsite inspection is pending at this time.

1. Existing Roads:

   a. The proposed well site is located approximately 13.84 miles south of Ouray, UT.

   b. Directions to the proposed well site have been attached at the end of Exhibit B.

   c. The use of roads under State and County Road Department maintenance are necessary to access the Little Canyon Unit. However, an encroachment permit is not anticipated since no upgrades to the State or County Road system are proposed at this time.

   d. All existing roads will be maintained and kept in good repair during all phases of operation.

   e. Vehicle operators will obey posted speed restrictions and observe safe speeds commensurate with road and weather conditions.

   f. Since no improvements are anticipated to the State, County, Tribal or BLM access roads no topsoil striping will occur.

   g. An off-lease federal, tribal or fee Right-of-Way is not anticipated for the access road or utility corridor since both are located within the existing state lease and Little Canyon Unit boundary.

2. Planned Access Roads:

a. From the existing LCU 10-2H access road an access is proposed trending west approximately 0.5 miles to the proposed well site. The access consists of entirely new disturbance and crosses no significant drainages. A road design plan is not anticipated at this time.

b. The proposed access road will consist of a 14' travel surface within a 30' disturbed area.

c. SITLA approval to construct and utilize the proposed access road is requested with this application.

d. A maximum grade of 10% will be maintained throughout the project with no cuts and fills required to access the well.

e. No turnouts are proposed since the access road is only 0.5 miles long and adequate site distance exists in all directions.

f. No culverts or low water crossings are anticipated. Adequate drainage structures will be incorporated into the road.

g. No surfacing material will come from SITLA or Indian lands.

h. No gates or cattle guards are anticipated at this time.

i. Surface disturbance and vehicular travel will be limited to the approved location access road.

j. All access roads and surface disturbing activities will conform to the standards outlined in the Bureau of Land Management and Forest Service publication: Surface Operating Standards for Oil and Gas Exploration and Development, (1989).

k. The operator will be responsible for all maintenance of the access road including drainage structures.

3. Location of Existing Wells:

a. Following is a list of existing wells within a one mile radius of the proposed well:

| | | |
|---|---|---|
| i. | Water wells | None |
| ii. | Injection wells | None |
| iii. | Disposal wells | None |
| iv. | Drilling wells | None |
| v. | Temp. shut-in wells | None |
| vi. | Producing wells | 3 |
| vii. | Abandon wells | None |

b. Exhibit B has a map reflecting these wells within a one mile radius of the proposed well.

4. Location of Production Facilities:

a. All permanent structures will be painted a flat, non-reflective Desert Brown to match the standard environmental colors. All facilities will be painted within six months of installation. Facilities required to comply with the Occupational Safety and Health Act (OSHA) may be excluded.

b. Site security guidelines identified in 43 CFR 3163.7-5 and Onshore Oil and Gas Order No. 3 will be adhered to.

c. A gas meter run will be constructed and located on lease within 500 feet of the wellhead. Meter runs will be housed and/or fenced. All gas production and measurement shall comply with the provisions of 43 CFR 3162. 7-3, Onshore Oil and Gas Order No. 5, and American Gas Association (AGA) Report No. 3.

d. A tank battery will be constructed on this location; it will be surrounded by a dike of sufficient capacity to contain the storage capacity of the largest tank. All loading lines and valves will be placed inside the berm surrounding the tank battery. All liquid hydrocarbons production and measurement shall conform to the provisions of 43 CFR 3162.7-3 and Onshore Oil and Gas Order No. 4 and Onshore Oil and Gas Order No. 5 for natural gas production and measurement.

e. Any necessary pits will be properly fenced to prevent any wildlife and livestock entry.

f. All access roads will be maintained as necessary to prevent erosion and accommodate year-round traffic. The road will be maintained in a safe useable condition.

g. The site will require periodic maintenance to ensure that drainages are kept open and free of debris, ice, and snow, and that surfaces are properly treated to reduce erosion, fugitive dust, and impacts to adjacent areas.

h. A gas pipeline is associated with this application and is being applied for at this time. The proposed gas pipeline corridor will leave the southeast side of the well site and traverse 2,596' east to the existing 4" pipeline that services the LCU 10-2H

i. The new gas pipeline will be a 4" steel surface line within a 20' wide utility corridor. The use of the proposed well site and access roads will facilitate the staging of the pipeline construction. A new pipeline length of approximately 2,596' is associated with this well.

j. With this application Dominion requests permission to upgrade the existing 4" surface pipeline to a 6" surface pipeline across SITLA surface to the east line of Section 2 (SITLA / Federal) boundary within the Little Canyon Unit and SITLA lease to accommodate additional transportation needs.

k. Dominion intends on installing the pipeline on the surface by welding many joints into long lengths, dragging the long lengths into position and then completing a final welding pass to join the long lengths together. Dominion intends on connecting the pipeline together utilizing conventional welding technology.

5. Location and Type of Water Supply:

a. The location and type of water supply has been addressed as number 11 within the previous drilling plan information.

6. Source of Construction Material:

a. The use of materials will conform to 43 CFR 3610.2-3.

b. No construction materials will be removed from Ute Tribal or SITLA lands.

c. If any gravel is used, it will be obtained from a state approved gravel pit.

7. Methods of Handling Waste Disposal:

a. All wastes associated with this application will be contained and disposed of utilizing approved facilities.

b. Drill cuttings will be contained and buried on site.

c. The reserve pit will be located outboard of the location and along the northeast side of the pad.

d. The reserve pit will be constructed so as not to leak, break, or allow any discharge.

e. The reserve pit will be lined with 12 mil minimum thickness plastic nylon reinforced liner material. The liner will overlay a felt liner pad only if rock is encountered during excavation. The pit liner will overlap the pit walls and be covered with dirt and/or rocks to hold it in place. No trash, scrap pipe, etc., that could puncture the liner will be disposed of in the pit. Pit walls will be sloped no greater than 2:1. A minimum 2-foot freeboard will be maintained in the pit at all times during the drilling and completion operation.

f. The reserve pit has been located in cut material. Three sides of the reserve pit will be fenced before drilling starts. The fourth side will be fenced as soon as drilling is completed, and shall remain until the pit is dry. After the reserve pit has dried, all areas not needed for production will be rehabilitated.

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

h. Trash will be contained in a trash cage and hauled away to an approved disposal site as necessary but no later than at the completion of drilling operations. The contents of the trash container will be hauled off periodically to the approved Uintah County Landfill near Vernal, Utah.

i. Produced fluids from the well other than water will be produced into a test tank until such time as construction of production facilities is completed. Any spills of oil, gas, salt water or other produced fluids will be cleaned up and removed.

j. After initial clean-up, a 400 bbl tank will be installed to contain produced waste water. This water will be transported from the tank to an approved Dominion disposal well for disposal.

k. **Produced water from the production well will be disposed of at the RBU 13-11F or RBU 16-19F disposal wells in accordance with Onshore Order #7.**

l. Any salts and/or chemicals, which are an integral part of the drilling system, will be disposed of in the same manner as the drilling fluid.

m. Sanitary facilities will be on site at all times during operations. Sewage will be placed in a portable chemical toilet and the toilet replaced periodically utilizing a licensed contractor to transport by truck the portable chemical toilet so that its contents can be delivered to the Vernal Wastewater Treatment Facility in accordance with state and county regulations.

8. Ancillary Facilities:

a. Garbage Containers and Portable Toilets are the only ancillary facilities proposed in this application.

9. Well Site Layout: (See Exhibit B)

a. The well will be properly identified in accordance with 43 CFR 3162.6.

b. Access to the well pad will be from the southeast.

c. The pad and road designs are consistent with SITLA specification

d. A pre-construction meeting with responsible company representative, contractors, and the SITLA will be conducted at the project site prior to commencement of surface-disturbing activities. The pad and road will be construction-staked prior to this meeting.

e. The pad has been staked at its maximum size of 355' X 200'; however it will be constructed smaller if possible, depending upon rig availability. Should the layout change, this application will be amended and approved utilizing a sundry notice.

f. All surface disturbing activities, will be supervised by a qualified, responsible company representative who is aware of the terms and conditions of the APD and specifications in the approved plans.

g. All cut and fill slopes will be such that stability can be maintained for the life of the activity.

h. Diversion ditches will be constructed as shown around the well site to prevent surface waters form entering the well site area.

i. The site surface will be graded to drain away from the pit to avoid pit spillage during large storm events.

j. The stockpiled topsoil (first 6 inches or maximum available) will be stored in a windrow on the uphill side of the location to prevent any possible contamination. All topsoil will be stockpiled for reclamation in such a way as to prevent soil loss and contamination.

k. Pits will remain fenced until site cleanup.

l. The blooie line will be located at least 100 feet from the well head.

m. Water injection may be implemented if necessary to minimize the amount of fugitive dust.

10. Plans for Restoration of the Surface:

a. Site reclamation for a producing well will be accomplished for portions of the site not required for the continued operation of the well.

b. The Operator will control noxious weeds along access road use authorizations, pipeline route authorizations, well sites, or other applicable facilities by spraying or mechanical removal. A list of noxious weeds may be obtained from the SITLA or the appropriate County Extension Office. On Ute Tribal and SITLA administered land, it is required that a Pesticide Use Proposal be submitted and approved prior to the application of herbicides, pesticides or possibly hazardous chemicals.

c. Upon well completion, any hydrocarbons in the pit shall be removed in accordance with 43 CFR 3162.7-1.Once the reserve pit is dry, the plastic nylon reinforced liner shall be torn and perforated before backfilling of the reserve pit. The reserve pit and that portion of the location not needed for production facilities/operations will be recontoured to the approximate natural contours.

d. The cut and fill slopes and all other disturbed areas not needed for the production operation will be top soiled and re-vegetated. The stockpiled topsoil will be evenly distributed over the disturbed area.

e. Prior to reseeding the site, all disturbed areas, including the access road, will be scarified and left with a rough surface. The site will then be seeded and/or planted as prescribed by the SITLA.

11. Surface and Mineral Ownership:

a. Surface Ownership – State of Utah – under the management of the SITLA -State Office, 675 East 500 South, Suite 500, Salt Lake, City, Utah 84102-2818; 801-538-5100.

b. Mineral Ownership – State of Utah – under the management of the SITLA -State Office, 675 East 500 South, Suite 500, Salt Lake, City, Utah 84102-2818; 801-538-5100.

12. Other Information:

a. AIA Archaeological has conducted a Class III archeological survey. A copy of the report has been submitted under separate cover to the appropriate agencies by AIA Archaeological.

b. Additional information:

a. No drainage crossings that require additional State or Federal approval are being crossed.

b. No raptor habitat is known to exist within 1 mile of the proposed wellsite.

c. A paleontological clearance will be completed prior to earth moving activities.

13. Operator's Representative and Certification

| Title | Name | Office Phone |
|---|---|---|
| Company Representative (Roosevelt) | Mitchiel Hall | 1-435-722-4521 |
| Company Representative (Oklahoma) | Carla Christian | 1-405-749-5263 |
| Agent for Dominion | Don Hamilton | 1-435-637-4075 |

Certification:

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drill site and access route; that I am familiar with the conditions which currently exists; that the statements made in this APD package are, to the best of my knowledge, true and correct; and that the work associated with the operations proposed herein will be performed by Dominion Exploration & Production, Inc. and its contractors and subcontractors in conformity with this APD package and the terms and conditions under which it is approved. I also certify responsibility for the operations conducted on that portion of the leased lands associated with this application, with bond coverage being provided under Dominion's State and BLM bond. This statement is subject to the provisions of 18 U.S.C. 1001 for the filing of a false statement.

Signature: Don Hamilton Date: 6-10-05

ORIGINAL

# DOMINION EXPLR. & PROD., INC.
## LCU #5-2H & #11-2H
## SECTION 2, T11S, R20E, S.L.B.&M.

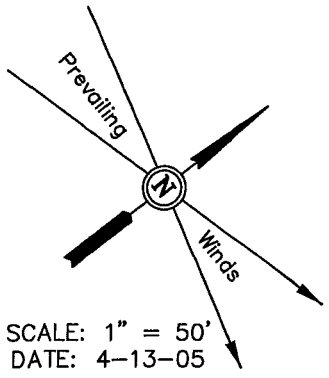
PROCEED IN A WESTERLY DIRECTION FROM VERNAL, UTAH ALONG U.S. HIGHWAY 40 APPROXIMATELY 14.0 MILES TO THE JUNCTION OF STATE HIGHWAY 88; EXIT LEFT AND PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 17.0 MILES TO OURAY, UTAH; PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 13.5 MILES ON THE SEEP RIDGE ROAD TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTHWEST; TURN RIGHT AND PROCEED IN A SOUTHWESTERLY DIRECTION APPROXIMATELY 1.8 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTH; TURN LEFT AND PROCEED IN A SOUTHERLY, THEN WESTERLY DIRECTION APPROXIMATELY 1.8 MILES TO THE BEGINNING OF THE PROPOSED ACCESS TO THE NORTHWEST; FOLLOW ROAD FLAGS IN A NORTHWESTERLY, THEN SOUTHWESTLERLY DIRECTION APPROXIMATELY 0.5 MILES TO THE PROPOSED LOCATION.

TOTAL DISTANCE FROM VERNAL, UTAH TO THE PROPOSED WELL LOCATION IS APPROXIMATELY 48.6 MILES.

# DOMINION EXPLR. & PROD., INC.

## LOCATION LAYOUT FOR

LCU #5–2H & #11–2H
SECTION 2, T11S, R20E, S.L.B.&M.
NE 1/4 SW 1/4




SCALE: 1" = 50'
DATE: 4–13–05
Drawn By: K.G.

F–2.4'
El. 417.5'

F–11.9'
El. 408.0'

Topsoil Stockpile

Sta. 3+80

F–5.2'
El. 414.7'

Round Corners as Needed

Edge of Ledges

Approx. Top of Cut Slope

Approx. Toe of Fill Slope

DATA

Topsoil Stockpile

65'

175'

CATWALK

PIPE RACKS

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

Pit Topsoil

FLARE PIT

El. 431.5'
C–11.6'

El. 430.6'
C–10.7'

C–8.9'
El. 428.8'

El. 431.5'
C–19.6'
(btm. pit)

20' WIDE BENCH

DOG HOUSE

RIG

#5–2H

135'

Sta. 2+05

F–11.4'
El. 408.5'

100'

25'

25'

MUD TANKS

WATER

TRAILER

C–9.3'
El. 429.2'

#11–2H

PUMP

TOILET

Total Pit Capacity
W/2' of Freeboard
= 13,030 Bbls. ±
Total Pit Volume
= 3,770 Cu. Yds.

MUD SHED

HOPPER

FUEL

Reserve Pit Backfill & Spoils Stockpile

10' WIDE BENCH

165'

Sta. 1+10

POWER

TRASH

TOOLS

Slope = 1–1/2:1

RESERVE PITS
(8' Deep)

FUEL

180'

STORAGE TANK

Sta. 0+52

El. 426.0'
C–14.1'
(btm. pit)

20' WIDE BENCH

C–0.5'
El. 420.4'

F–5.8'
El. 414.1'

F–20.3'
El. 399.6'

40'

Sta. 0+00

F–2.4'
El. 417.5'

Topsoil Stockpile

Proposed Access Road (Ramp As Needed)

Elev. Ungraded Ground at #5–2H Location Stake = 5428.8'
Elev. Graded Ground at Location Stake = 5419.9'

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

# DOMINION EXPLR. & PROD., INC.

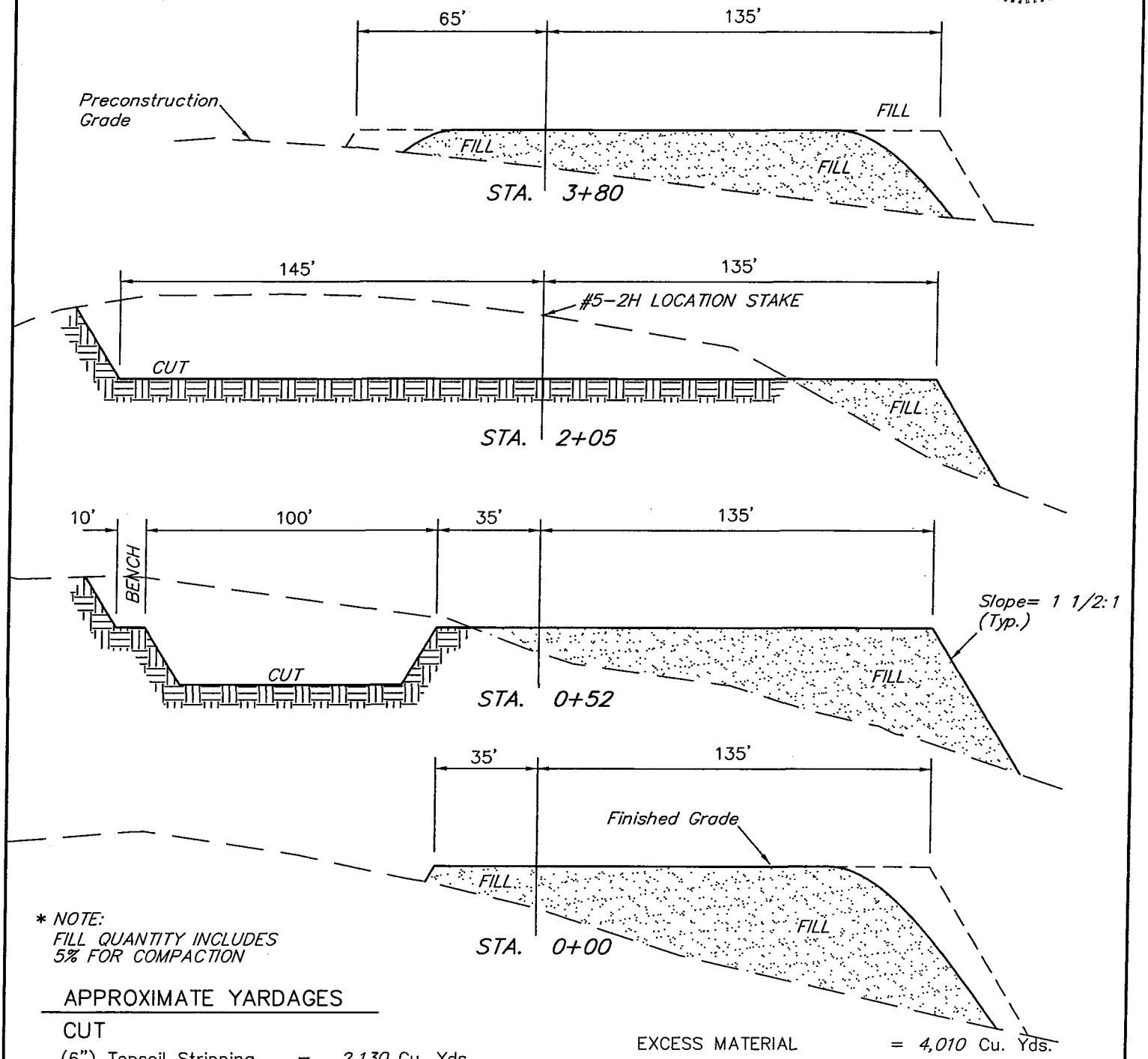
## TYPICAL CROSS SECTIONS FOR

LCU #5-2H & #11-2H
SECTION 2, T11S, R20E, S.L.B.&M.
NE 1/4 SW 1/4

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

DATE: 4-13-05
Drawn By: K.G.

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




* NOTE:
FILL QUANTITY INCLUDES 5% FOR COMPACTION

## APPROXIMATE YARDAGES

CUT

(6") Topsoil Stripping = 2,130 Cu. Yds.

Remaining Location = 15,700 Cu. Yds.

TOTAL CUT = 17,830 CU.YDS.

FILL = 13,810 CU.YDS.

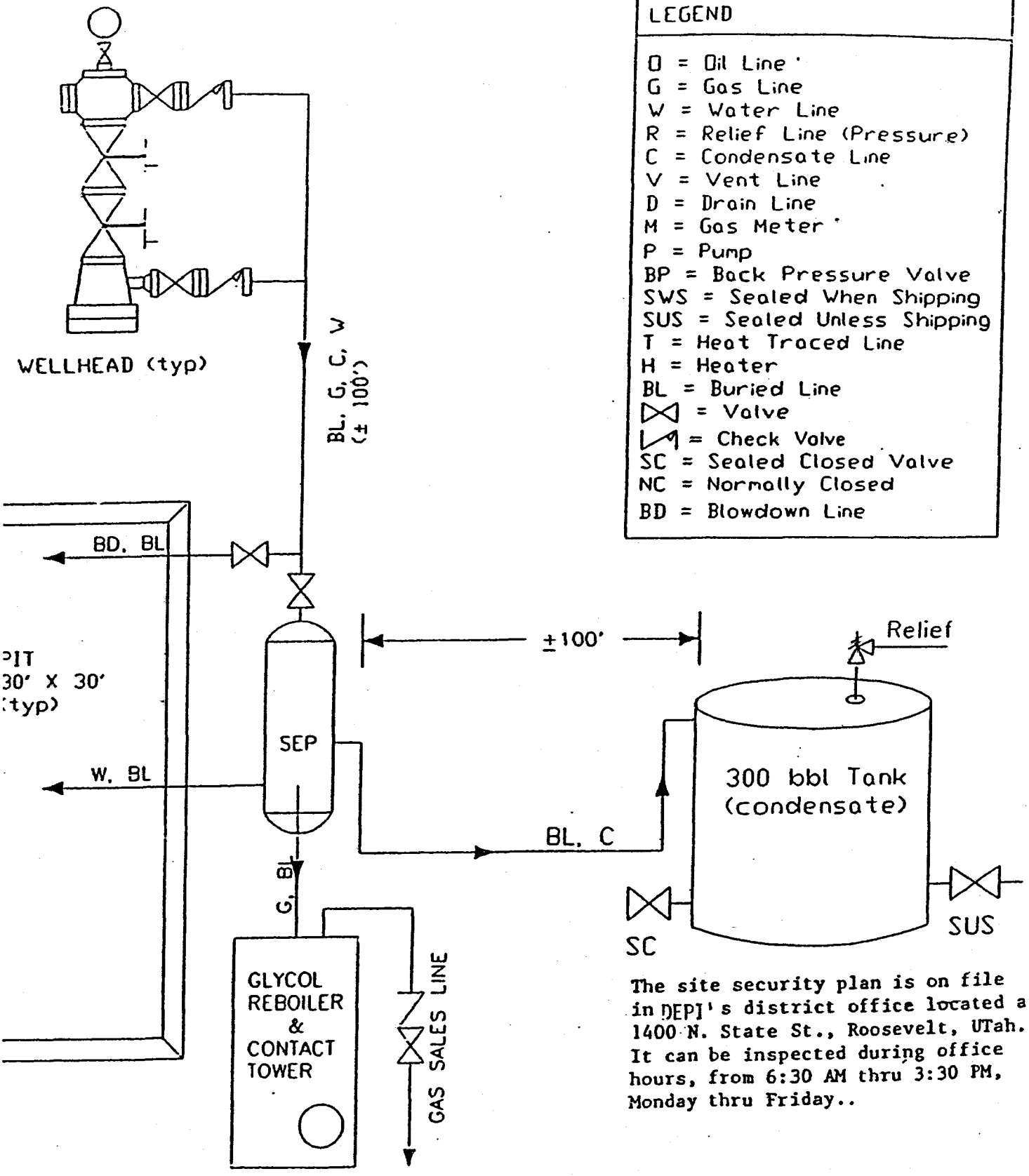
EXCESS MATERIAL = 4,010 Cu. Yds.

Topsoil & Pit Backfill (1/2 Pit Vol.) = 4,020 Cu. Yds.

EXCESS UNBALANCE (After Rehabilitation) = 0 Cu. Yds.


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

CONFIDENTIAL

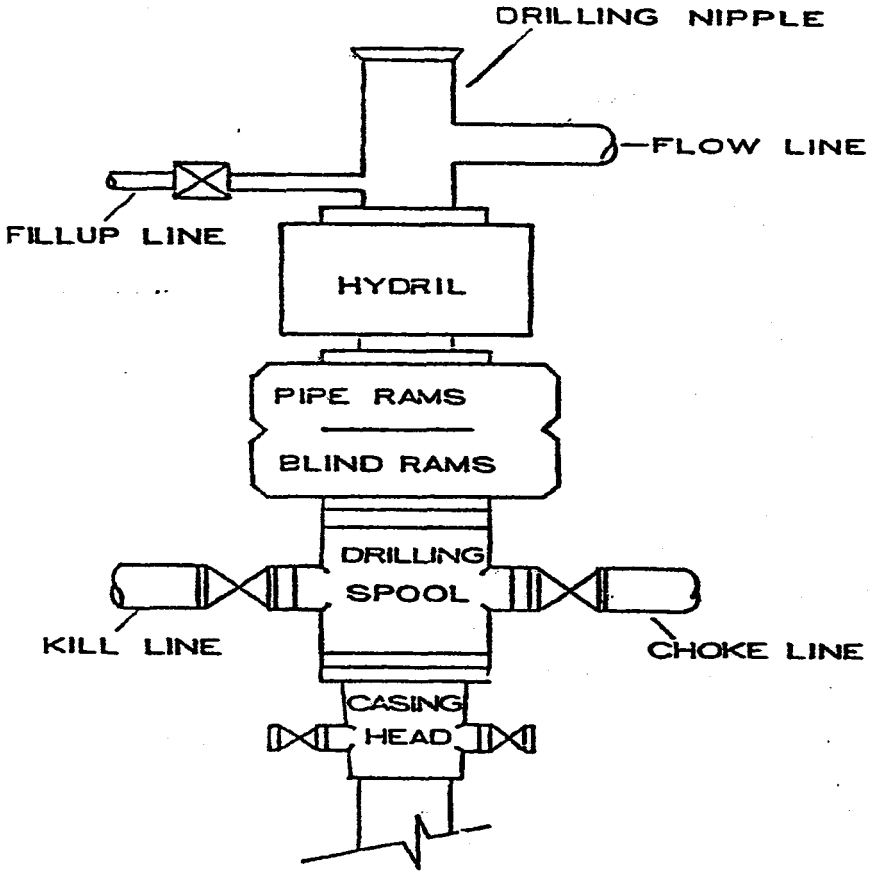



The site security plan is on file in DEPI's district office located at 1400 N. State St., Roosevelt, UTah. It can be inspected during office hours, from 6:30 AM thru 3:30 PM, Monday thru Friday..

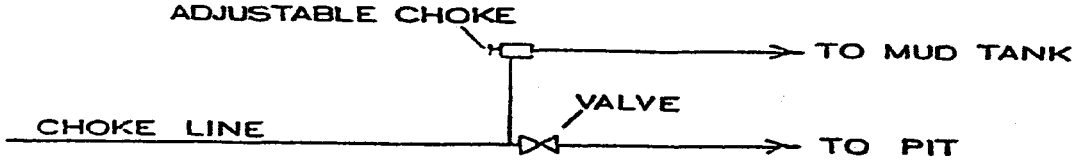
DOMINION EXPLORATION & PRODUCTION, INC.

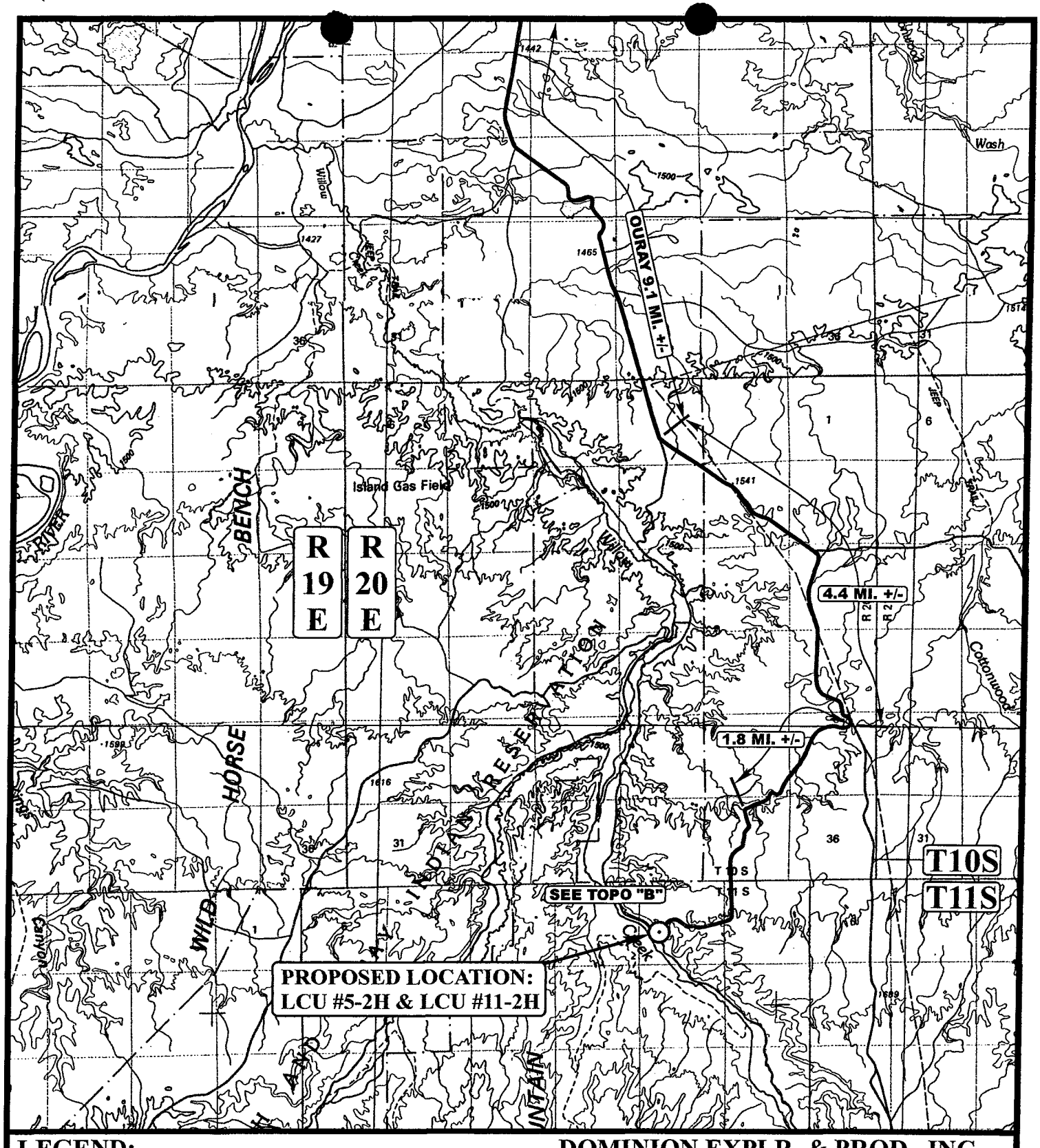
| | | |
|---|---|---|
| l: | | not to scale |
| FLOWSEP | TYPICAL FLOW DIAGRAM | date: / / |

## BOP STACK




## CHOKE MANIFOLD






**LEGEND:**

⊙ PROPOSED LOCATION

N

**DOMINION EXPLR. & PROD., INC.**

LCU #5-2H & LCU #11-2H
SECTION 2, T11S, R20E, S.L.B.&M.
NE 1/4 SW 1/4


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


| TOPOGRAPHIC MAP | 04 MONTH | 08 DAY | 05 YEAR | A TOPO |
|---|---|---|---|---|
| SCALE: 1:100,000 | DRAWN BY: C.P. | REVISED: 00-00-00 | | |

# DOMINION EXPLR. & PROD., INC.

## LCU #5-2H & LCU #11-2H

**LOCATED IN UINTAH COUNTY, UTAH**
**SECTION 2, T11S, R20E, S.L.B.&M.**

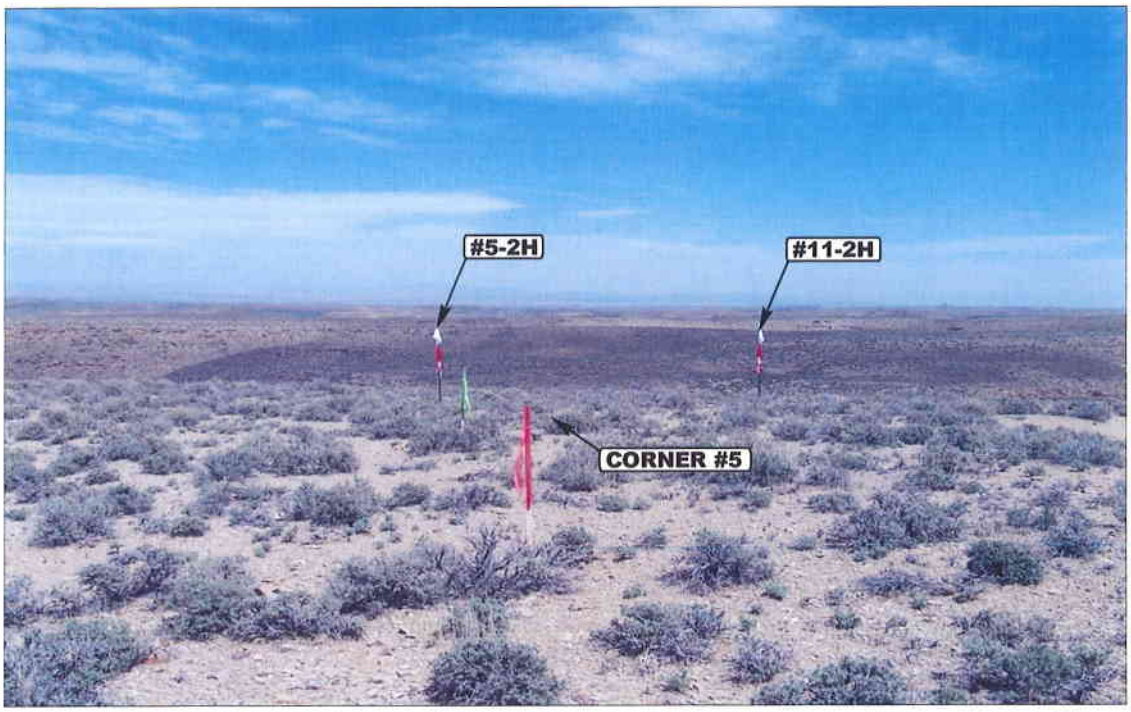
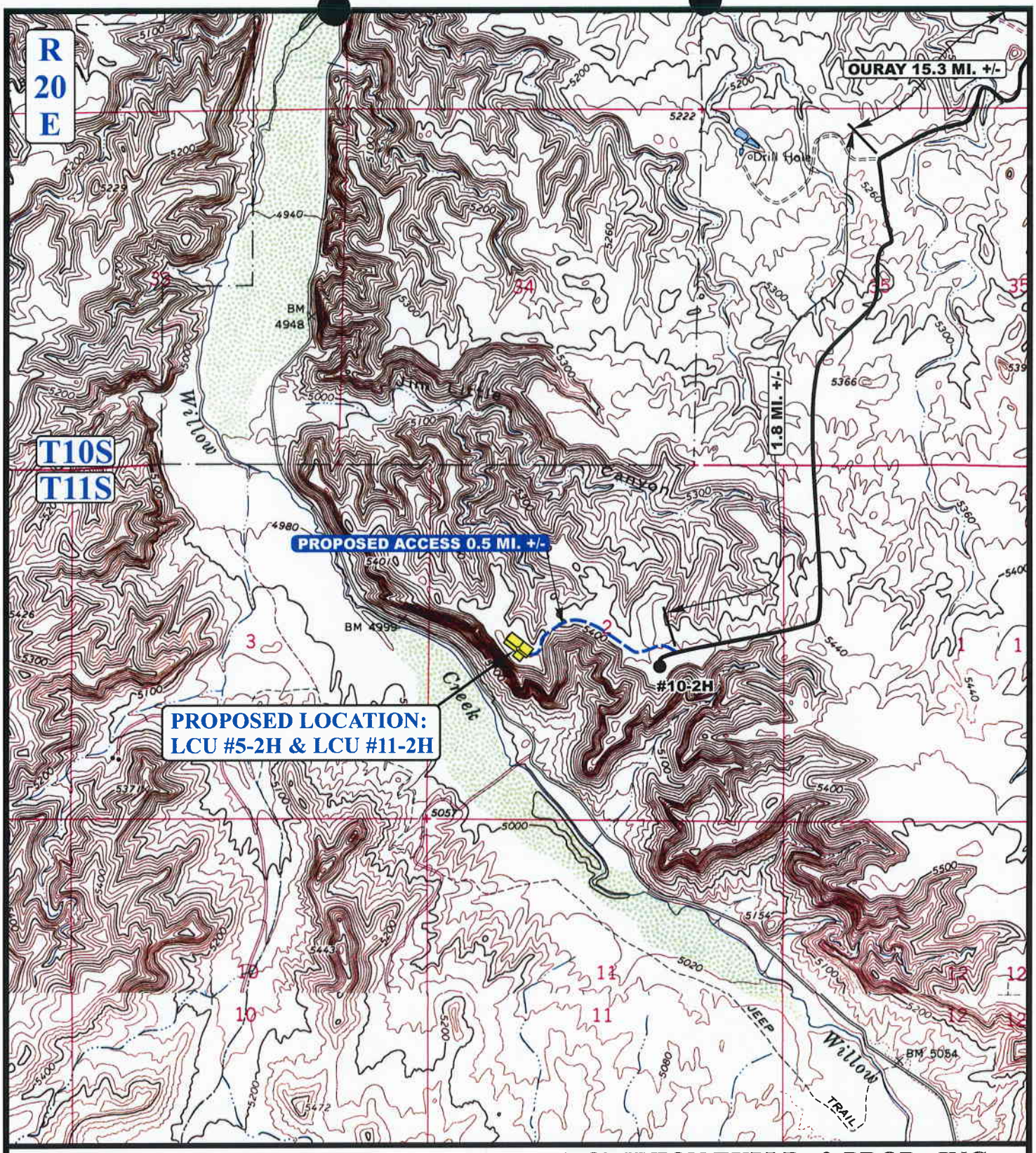



**PHOTO: VIEW FROM CORNER #5 TO LOCATION STAKE** **CAMERA ANGLE: NORTHEASTERLY**


**PHOTO: VIEW FROM BEGINNING OF PROPOSED ACCESS** **CAMERA ANGLE: NORTHWESTERLY**

- Since 1964 -
Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
435-789-1017 uels@uelsinc.com

| LOCATION PHOTOS | 04 MONTH | 08 DAY | 05 YEAR | PHOTO |
|---|---|---|---|---|
| TAKEN BY: B.B. | DRAWN BY: C.P. | REVISED: 00-00-00 | | |




## LEGEND:

EXISTING ROAD

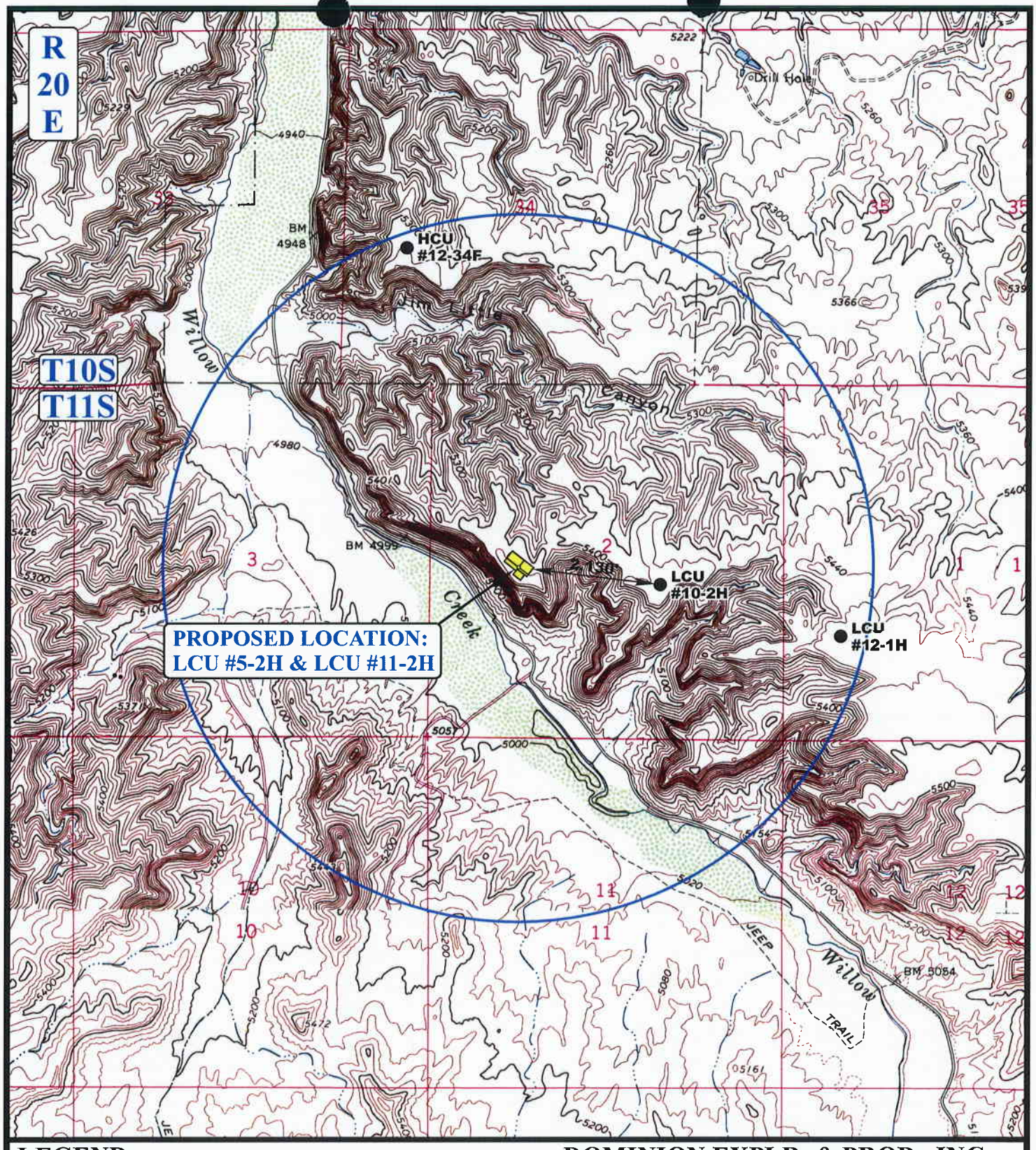
PROPOSED ACCESS ROAD

## DOMINION EXPLR. & PROD., INC.

LCU #5-2H & LCU #11-2H
SECTION 2, T11S, R20E, S.L.B.&M.
NE 1/4 SW 1/4


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


| TOPOGRAPHIC MAP | 04 MONTH | 08 DAY | 05 YEAR | B TOPO |
|---|---|---|---|---|
| SCALE: 1" = 2000' | DRAWN BY: C.P. | REVISED: 00-00-00 | | |




## LEGEND:

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

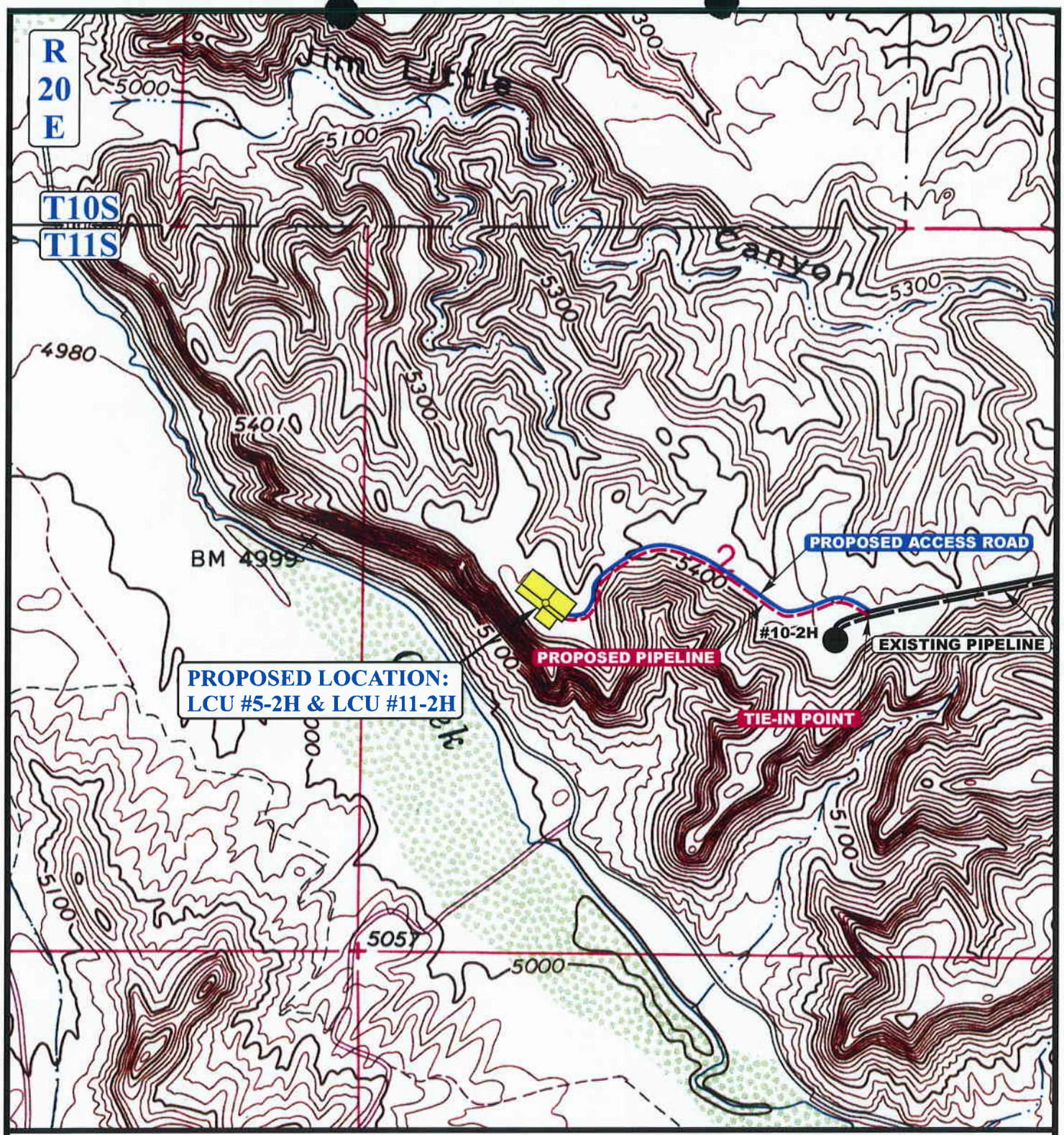
N

## DOMINION EXPLR. & PROD., INC.

LCU #5-2H & LCU #11-2H
SECTION 2, T11S, R20E, S.L.B.&M.
NE 1/4 SW 1/4


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


| TOPOGRAPHIC MAP | 04 MONTH | 08 DAY | 05 YEAR |
|---|---|---|---|
| SCALE: 1" = 2000' | DRAWN BY: C.P. | REVISED: 00-00-00 | C TOPO |




APPROXIMATE TOTAL PIPELINE DISTANCE = 2,596' +/-

**LEGEND:**

PROPOSED ACCESS ROAD
EXISTING PIPELINE
PROPOSED PIPELINE

N

**DOMINION EXPLR. & PROD., INC.**

LCU #5-2H & LCU #11-2H
SECTION 2, T11S, R20E, S.L.B.&M.
NE 1/4 SW 1/4


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


| TOPOGRAPHIC MAP | 04 MONTH | 08 DAY | 05 YEAR | D TOPO |
|---|---|---|---|---|
| SCALE: 1" = 1000' | DRAWN BY: C.P. | REVISED: 00-00-00 | | |

003

**WORKSHEET**
**APPLICATION FOR PERMIT TO DRILL**

APD RECEIVED: 06/16/2005

API NO. ASSIGNED: 43-047-36780

WELL NAME: LCU 11-2H
OPERATOR: DOMINION EXPL & PROD ( N1095 )
CONTACT: DON HAMILTON

PHONE NUMBER: 435-650-1886

PROPOSED LOCATION:
NESW 02 110S 200E
SURFACE: 2540 FSL 1341 FWL
NESW BOTTOM: 2000 FSL 2000 FWL
UINTAH
NATURAL BUTTES ( 630 )

LEASE TYPE: 3 - State
LEASE NUMBER: ML-48771
SURFACE OWNER: 3 - State
PROPOSED FORMATION: MVRD
COALBED METHANE WELL? NO

INSPECT LOCATN BY: / /

| Tech Review | Initials | Date |
|---|---|---|
| Engineering | DKD | 7/19/05 |
| Geology | | |
| Surface | | |

LATITUDE: 39.88921
LONGITUDE: -109.6504

RECEIVED AND/OR REVIEWED:

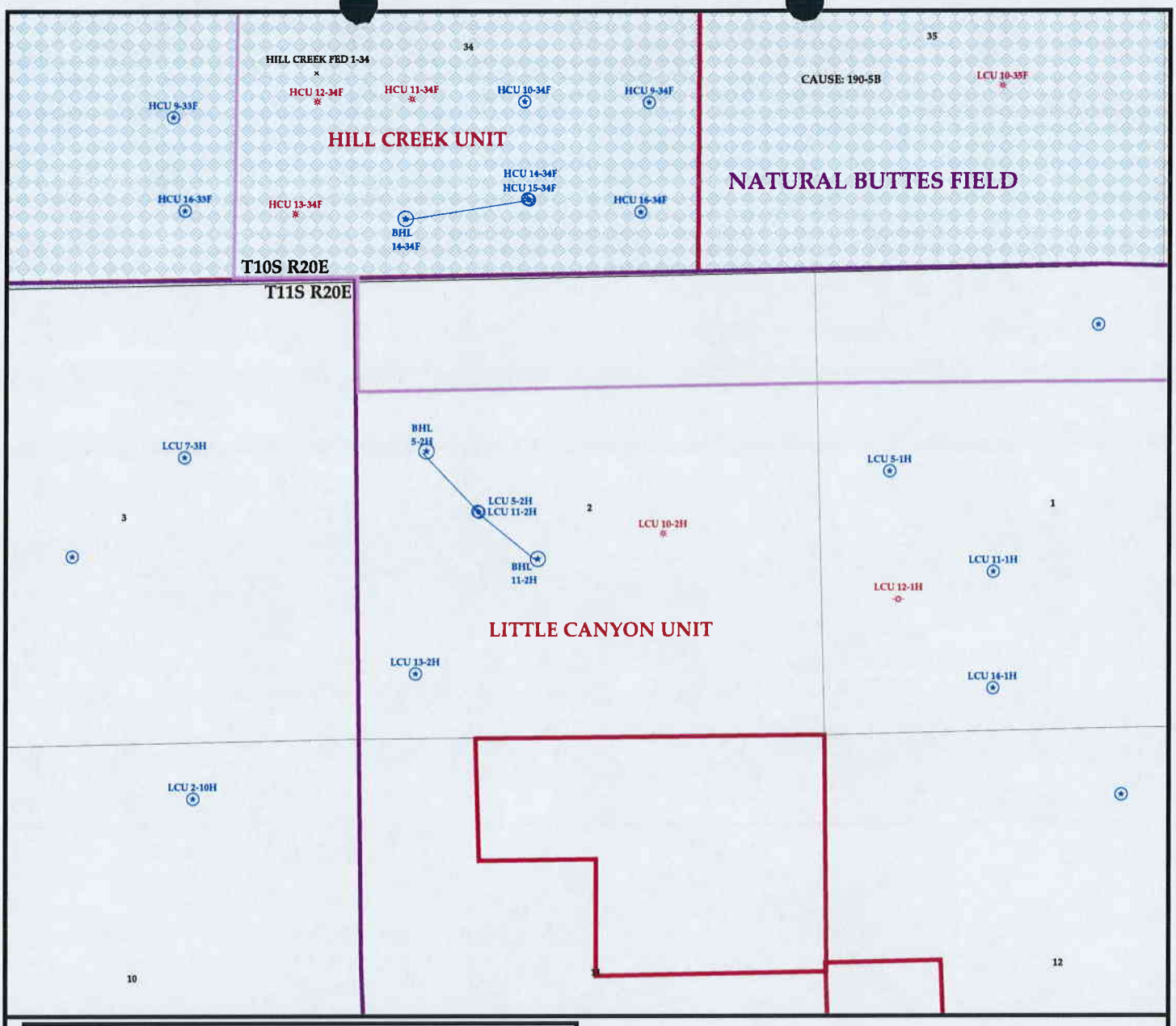
✓ Plat
✓ Bond: Fed[] Ind[] Sta[] Fee[]
(No. RLB0005609 )
N Potash (Y/N)
N Oil Shale 190-5 (B) or 190-3 or 190-13
✓ Water Permit
(No. 43-10447 )
N RDCC Review (Y/N)
(Date: )
N/A Fee Surf Agreement (Y/N)

LOCATION AND SITING:

___ R649-2-3.
Unit LITTLE CANYON
___ R649-3-2. General
Siting: 460 From Qtr/Qtr & 920' Between Wells
✓ R649-3-3. Exception
___ Drilling Unit
Board Cause No:
Eff Date:
Siting:
✓ R649-3-11. Directional Drill

COMMENTS: Needs Onsite (07-19-05)

STIPULATIONS: 1- Spacing Ltr
2- STATEMENT OF BASIS
3- The 5½" prod. String shall be cemented back to ± 3500' to isolate Wasatch Fm.




OPERATOR: DOMION EXPL & PROD (N1095)

SEC: 2 T. 11S R. 20E

FIELD: NATURAL BUTTES (630)

COUNTY: UINTAH

SPACING: R649-3-11/ DIRECTIONAL DRILLING

Utah Oil Gas and Mining

**Wells**
- GAS INJECTION
- GAS STORAGE
- LOCATION ABANDONED
- NEW LOCATION
- PLUGGED & ABANDONED
- PRODUCING GAS
- PRODUCING OIL
- SHUT-IN GAS
- SHUT-IN OIL
- TEMP. ABANDONED
- TEST WELL
- WATER INJECTION
- WATER SUPPLY
- WATER DISPOSAL

**Units.shp**
- EXPLORATORY
- GAS STORAGE
- NF PP OIL
- NF SECONDARY
- PENDING
- PI OIL
- PP GAS
- PP GEOTHERML
- PP OIL
- SECONDARY
- TERMINATED

**Fields.shp**
- ABANDONED
- ACTIVE
- COMBINED
- INACTIVE
- PROPOSED
- STORAGE
- TERMINATED

N
W E
S

PREPARED BY: DIANA WHITNEY
DATE: 17-JUNE-2005

*NOTE: THIS IS A PROPOSED LOCATION WITH A TWIN WELL PAD. INCLUDES LCU #5-2H*

# ON-SITE PREDRILL EVALUATION
## Division of Oil, Gas and Mining

**OPERATOR:** DOMINION EXPLORATION & PRODUCTION, INC.
**WELL NAME & NUMBER:** LCU #11-2H
**API NUMBER:** 43-047-36780
**LEASE:** ML-48771 **FIELD/UNIT:** LITTLE CANYON
**LOCATION: 1/4,1/4** NE/SW **Sec:** 2 **TWP:** 11S **RNG:** 20E 1341' FWL 2540' FSL
**LEGAL WELL SITING:** 460 F **SEC. LINE;** 460 F **1/4,1/4 LINE;** 920 F **ANOTHER WELL.**
**GPS COORD (UTM):** 615395 X; 4416123 Y **SURFACE OWNER:** STATE OF UTAH
**BHL:** 615598 X; 4415960 Y

**PARTICIPANTS**

DAVID W. HACKFORD (DOGM), FLOYD BARTLETT (DOGM), KEN SECREST (DOMINION), BRANDON BOWTHOURP(U.E.L.S.), JESSY MERKLEY (U.E.L.S.), BRENT JACKSON DIRT CONTRACTOR, DON HAMILTON (BUYS), GRIZ OLEEN (BUYS).

**REGIONAL/LOCAL SETTING & TOPOGRAPHY**

SITE IS IN AN AREA OF LOW, ROLLING RIDGES WITH MODERATE TO STEEP SIDE DRAWS. SHARP, NEAR VERTICLE SIDEWALLS OCCUR IN THE LAYERED SANDSTONE FORMATIONS ALONG THE WILLOW CREEK EDGE. WILLOW CREEK IS A GENTLE SLOPING BROAD VALLEY BOTTOM. FLOWS ARE GENERALLY PERENNIAL BUT DURING LOW MOISTURE YEARS AND WITH UPSTREAM DIVERSION OF IRRIGATION WATER, IT IS SOMETIMES DEWATERED OR INTERMITTEN. THE LOCATION IS ON THE RIM ABOVE WILLOW CREEK AND APPROXIMATELY ½ MILE FROM THE STREAM CHANNEL. VEGETATION IS A DESERT SHRUB TYPE WITH AN ANNUAL PRECIPITATION OF APPROX. 10 INCHES; MOSTLY OCCURRING DURING THE WINTER PERIOD. SUMMER PRECIPITATION IS INFREQUENT HOWEVER SEVERE THUNDERSTORMS MAY OCCUR. OURAY, UTAH IS 16.1 MILES TO THE NORTHEAST.

**SURFACE USE PLAN**

CURRENT SURFACE USE: WILDLIFE AND LIVESTOCK GRAZING, HUNTING.

PROPOSED SURFACE DISTURBANCE: LOCATION WILL BE 355' BY 270' WHICH DOES NOT INCLUDE STOCKPILES FOR TOPSOIL AND RESERVEPIT BACKFILL. ACCESS ROAD WILL BE APPROXIMATELY 0.5 MILES EXTENDING FROM THE ACCESS TO THE EXISTING #10-2H WELL.

LOCATION OF EXISTING WELLS WITHIN A 1 MILE RADIUS: SEE ATTACHED MAP FROM GIS DATABASE.

LOCATION OF PRODUCTION FACILITIES AND PIPELINES: ALL PRODUCTION FACILITIES WILL BE ON LOCATION AND ADDED AFTER DRILLING WELL. PIPELINE WILL FOLLOW ACCESS ROAD.

SOURCE OF CONSTRUCTION MATERIAL: ALL CONSTRUCTION MATERIAL WILL BE BORROWED FROM SITE DURING CONSTRUCTION OF LOCATION.

ANCILLARY FACILITIES: NONE WILL BE REQUIRED.

WILL DRILLING AT THIS LOCATION GENERATE PUBLIC INTEREST OR CONCERNS?

(EXPLAIN): UNLIKELY. OTHER WELLS FREQUENTLY OCCUR IN THE AREA. MOST OF THE USE IS OIL FIELD RELATED.

**WASTE MANAGEMENT PLAN:**

DRILLED CUTTINGS WILL BE SETTLED INTO RESERVE PIT. LIQUIDS FROM PIT WILL BE ALLOWED TO EVAPORATE. FORMATION WATER WILL BE CONFINED TO STORAGE TANKS. SEWAGE FACILITIES, STORAGE AND DISPOSAL WILL BE HANDLED BY COMMERCIAL CONTRACTOR. TRASH WILL BE CONTAINED IN TRASH BASKETS AND HAULED TO AN APPROVED LAND FILL.

**ENVIRONMENTAL PARAMETERS**

AFFECTED FLOODPLAINS AND/OR WETLANDS: NONE

FLORA/FAUNA: HORSEBRUSH, SHADSCALE, PRICKLEY PEAR, CHEATGRASS, GREASEWOOD RABBITBRUSH, CURLY MESQUITE, GUTERIZIA, GLOBE MALLOW: PRONGHORN, COYOTES, SONGBIRDS, RAPTORS, RODENTS, RABBITS.

SOIL TYPE AND CHARACTERISTICS: LIGHT BROWN SANDY CLAY WITH DARK GRAY BROKEN SHALE ROCKS. SOME SANDSTONE BEDROCK OUTCROPS OCCUR.

EROSION/SEDIMENTATION/STABILITY: VERY LITTLE NATURAL EROSION. SEDIMENTATION AND STABILITY ARE NOT A PROBLEM AND LOCATION CONSTRUCTION SHOULDN'T CAUSE AN INCREASE IN STABILITY OR EROSION PROBLEMS.

PALEONTOLOGICAL POTENTIAL: NONE OBSERVED

**RESERVE PIT**

CHARACTERISTICS: 140' BY 100' AND EIGHT FEET DEEP.

LINER REQUIREMENTS (Site Ranking Form attached): A LINER IS ESSENTIAL FOR FOT THE RESERVE PIT. THE EDGE OF THE LOCATION IS WITHIN 300 FEET OF THE RIM OF WILLOW CREEK. THE RIM IS NEAR VERTICAL FORMED BY LAYERED SANDSTONE DIVIDIDED BY HIGHLY PERMIABLE SOILS.

**SURFACE RESTORATION/RECLAMATION PLAN**

AS PER SITLA.

SURFACE AGREEMENT: AS PER SITLA.

CULTURAL RESOURCES/ARCHAEOLOGY: JIM TRUESDALE HAS INSPECTED THE SITE. A COPY OF HIS REPORT WILL BE SUBMITTED TO THE STATE OF UTAH.

**OTHER OBSERVATIONS/COMMENTS**

THIS PREDRILL INVESTIGATION WAS CONDUCTED ON A CLEAR HOT DAY. TEMPERATURES WERE IN THE 90'S.

**ATTACHMENTS**

PHOTOS OF THIS SITE WERE TAKEN AND PLACED ON FILE.

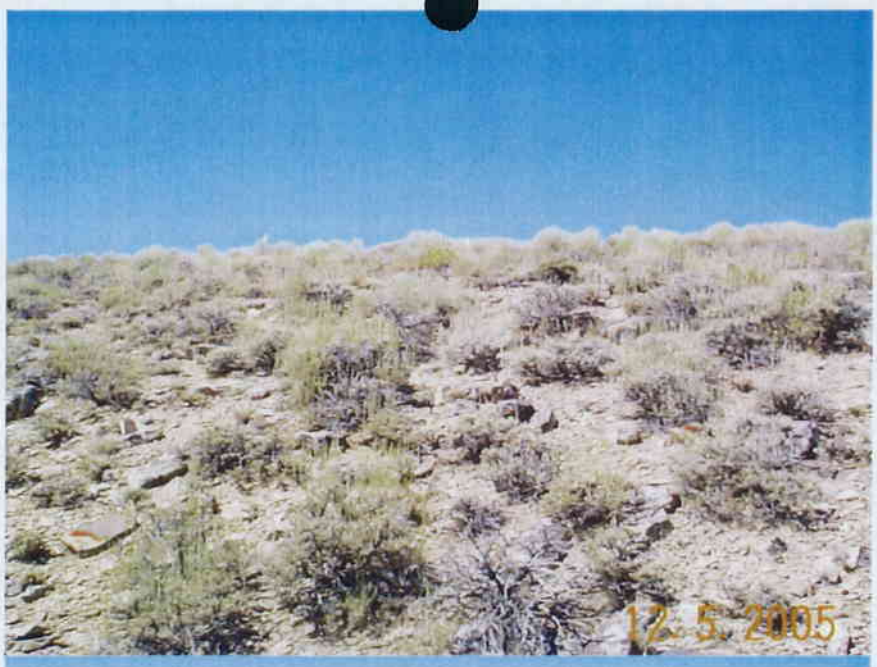
| | |
|---|---|
| FLOYD BARTLETT & DAVID HACKFORD | 07/13/2005 10:30 PM |
| DOGM REPRESENTATIVES | DATE/TIME |

**Evaluation Ranking Criteria and Ranking Score**
**For Reserve and Onsite Pit Liner Requirements**

| Site-Specific Factors | Ranking | Site Ranking |
|---|---|---|
| Distance to Groundwater (feet) | | |
| >200 | 0 | |
| 100 to 200 | 5 | |
| 75 to 100 | 10 | |
| 25 to 75 | 15 | |
| <25 or recharge area | 20 | 0 |
| Distance to Surf. Water (feet) | | |
| >1000 | 0 | |
| 300 to 1000 | 2 | |
| 200 to 300 | 10 | |
| 100 to 200 | 15 | |
| < 100 | 20 | 0 |
| Distance to Nearest Municipal Well (feet) | | |
| >5280 | 0 | |
| 1320 to 5280 | 5 | |
| 500 to 1320 | 10 | |
| <500 | 20 | 0 |
| Distance to Other Wells (feet) | | |
| >1320 | 0 | |
| 300 to 1320 | 10 | |
| <300 | 20 | 0 |
| Native Soil Type | | |
| Low permeability | 0 | |
| Mod. permeability | 10 | |
| High permeability | 20 | 20 |
| Fluid Type | | |
| Air/mist | 0 | |
| Fresh Water | 5 | |
| TDS >5000 and <10000 | 10 | |
| TDS >10000 or Oil Base Mud Fluid containing significant levels of hazardous constituents | 20 | 5 |
| Drill Cuttings | | |
| Normal Rock | 0 | |
| Salt or detrimental | 10 | 0 |
| Annual Precipitation (inches) | | |
| <10 | 0 | |
| 10 to 20 | 5 | |
| >20 | 10 | 5 |
| Affected Populations | | |
| <10 | 0 | |
| 10 to 30 | 6 | |
| 30 to 50 | 8 | |
| >50 | 10 | 0 |
| Presence of Nearby Utility Conduits | | |
| Not Present | 0 | |
| Unknown | 10 | |
| Present | 15 | 0 |

**Final Score** 30 (Level I sensitivity)

Sensitivity Level I = 20 or more; total containment is required.
Sensitivity Level II = 15-19; lining is discretionary.
Sensitivity Level III = below 15; no specific lining is required.


12. 5. 2005


12. 5. 2005


12.5.2005


12.5.2005


12. 5. 2005

# DIVISION OF OIL, GAS AND MINING
## APPLICATION FOR PERMIT TO DRILL
## STATEMENT OF BASIS

**OPERATOR:** DOMINION EXPLORATION & PRODUCTION, INC.
**WELL NAME & NUMBER:** LCU #11-2H
**API NUMBER:** 43-047-36780
**LOCATION: 1/4,1/4** NE/SW **Sec:** 2 **TWP:** 11S **RNG:** 20E 1341' FWL 2540' FSL

**Geology/Ground Water:**

Dominion proposes to set 500 feet of surface casing and 2,800 feet of intermediate casing cemented to the surface. The base of the moderately saline water is estimated at 4,400 feet. A search of Division of Water Rights records shows 2 water wells within a 10,000 foot radius of the proposed location. These wells are over a mile from the proposed location. One is listed as 1,700-2,500 feet deep and no depth is listed for the other. Use is listed as stock/wildlife watering. The surface formation at this location is he Uinta Formation. The Uinta Formation is made up of discontinuous sands interbedded with shales and are not expected to produce prolific aquifers. The proposed surface casing should adequately protect any near surface aquifers. The production string cement should be brought up above the base of the moderately saline water to prevent it from mixing with fresher waters up hole.

**Reviewer:** Brad Hill **Date:** 07-18-2005

**Surface:**

The pre-drill investigation of the surface was performed on 7/13/05. Ed Bonner with SITLA and the UDWR were invited to this investigation on 7/06/05. Neither had a representative present. This site is on State surface with State minerals. The pad will serve as the location for two directional wells, as no locations are possible for the projected locations along the sharp breaks of Willow Creek. A single reserve pit will serve both drilling operations. With the fractured and layered formations in the area a lined reserve pit with a felt sub-liner is essential. The surface will be reclaimed as required by SITLA in their lease agreement with the operator.

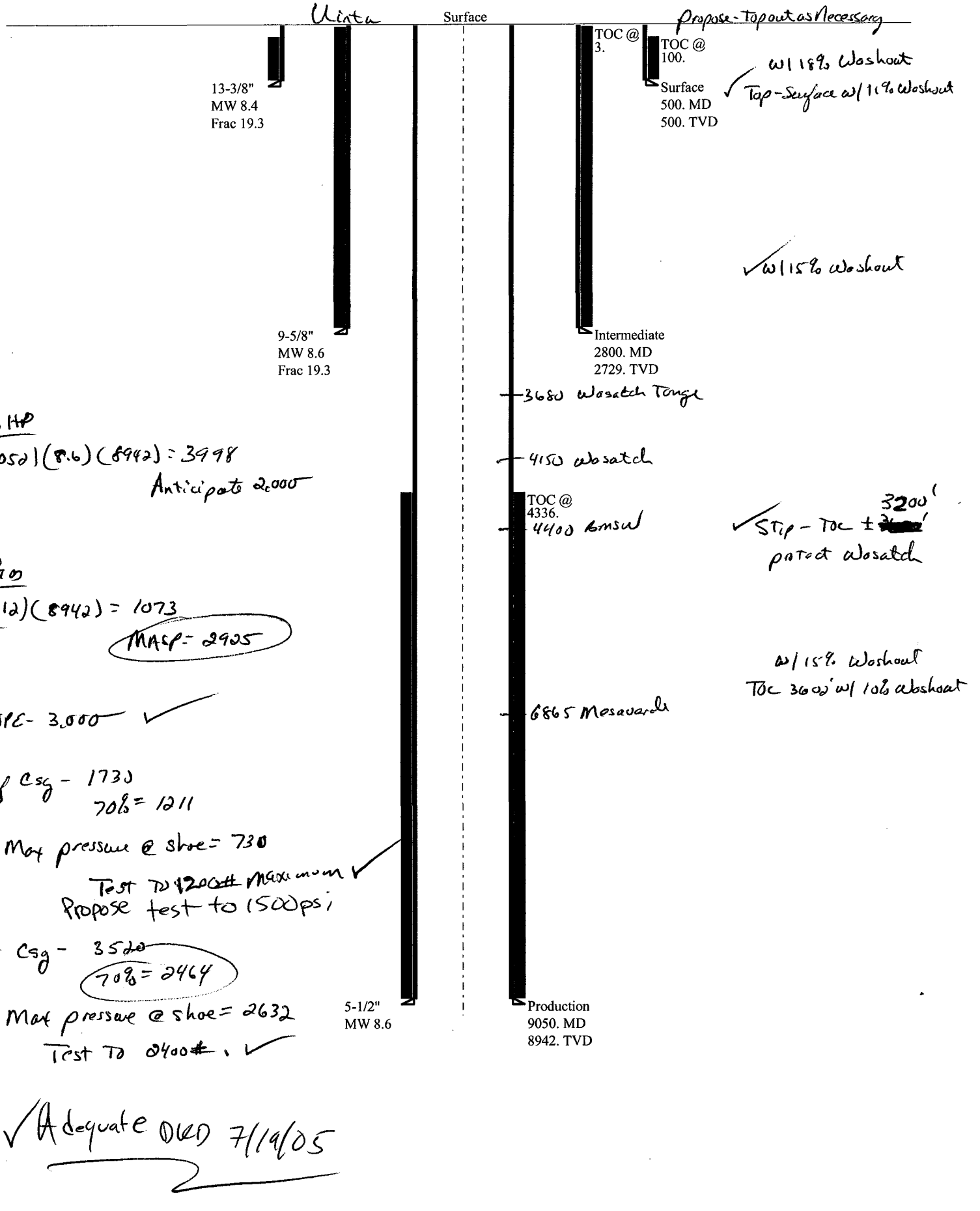
**Reviewer:** Floyd Bartlett & David W. Hackford **Date:** 07/13/2005

**Conditions of Approval/Application for Permit to Drill:**

1. A synthetic liner with a minimum thickness of 12 mils with a felt subliner shall be properly installed and maintained in the reserve pit.

# 07-05 Dominion LCU 11-[redacted]

Casing Schematic




BHP

(.052)(8.6)(8942) = 3998

Anticipate 2,000

Gas

(.12)(8942) = 1073

MASP - 2925

BOPE - 3,000 ✓

Surf Csg - 1730

70% = 1211

Max pressure @ shoe = 730

Test To 1200# Maximum ✓

Propose test to 1500psi

Int Csg - 3520

70% = 2464

Max pressure @ shoe = 2632

Test To 2400#. ✓

✓ Adequate DKD 7/19/05

| | |
|---|---|
| Well name: | **07-05 Dominion LCU 11-2H** |
| Operator: | **Donimion Exploration & Production** |
| String type: | Surface |
| Project ID: | 43-047-36780 |
| Location: | Uintah County |

**Design parameters:**

**Collapse**

Mud weight: 8.400 ppg

Design is based on evacuated pipe.

**Burst**

Max anticipated surface pressure: 440 psi

Internal gradient: 0.120 psi/ft

Calculated BHP 500 psi

No backup mud specified.

**Minimum design factors:**

**Collapse:**

Design factor 1.125

**Burst:**

Design factor 1.00

**Tension:**

| | |
|---|---|
| 8 Round STC: | 1.80 (J) |
| 8 Round LTC: | 1.80 (J) |
| Buttress: | 1.60 (J) |
| Premium: | 1.50 (J) |
| Body yield: | 1.50 (B) |

Tension is based on buoyed weight.

Neutral point: 438 ft

**Environment:**

| | |
|---|---|
| H2S considered? | No |
| Surface temperature: | 75 °F |
| Bottom hole temperature: | 82 °F |
| Temperature gradient: | 1.40 °F/100ft |
| Minimum section length: | 350 ft |
| Cement top: | 100 ft |

Completion type is subs

Non-directional string.

**Re subsequent strings:**

| | |
|---|---|
| Next setting depth: | 2,800 ft |
| Next mud weight: | 8.600 ppg |
| Next setting BHP: | 1,251 psi |
| Fracture mud wt: | 19.250 ppg |
| Fracture depth: | 500 ft |
| Injection pressure | 500 psi |

| Run Seq | Segment Length (ft) | Size (in) | Nominal Weight (lbs/ft) | Grade | End Finish | True Vert Depth (ft) | Measured Depth (ft) | Drift Diameter (in) | Internal Capacity ($ft^3$) |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 500 | 13.375 | 48.00 | H-40 | ST&C | 500 | 500 | 12.59 | 46.9 |

| Run Seq | Collapse Load (psi) | Collapse Strength (psi) | Collapse Design Factor | Burst Load (psi) | Burst Strength (psi) | Burst Design Factor | Tension Load (Kips) | Tension Strength (Kips) | Tension Design Factor |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 218 | 740 | 3.393 | 500 | 1730 | 3.46 | 21 | 322 | 15.30 J |

Prepared by: Clinton Dworshak, Utah Div. of Oil & Mining

Phone: 801-538-5280

FAX: 801-359-3940

Date: July 19,2005

Salt Lake City, Utah

Remarks:

Collapse is based on a vertical depth of 500 ft, a mud weight of 8.4 ppg The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

*Engineering responsibility for use of this design will be that of the purchaser.*

| | |
|---|---|
| Well name: | **07-05 Dominion LCU 11-2H** |
| Operator: | **Donimion Exploration & Production** |
| String type: | Intermediate |
| Project ID: | 43-047-36780 |
| Location: | Uintah County |

**Design parameters:**

**Collapse**
Mud weight: 8.600 ppg
Design is based on evacuated pipe.

**Burst**
Max anticipated surface pressure: 2,464 psi
Internal gradient: 0.120 psi/ft
Calculated BHP 2,792 psi

No backup mud specified.

**Minimum design factors:**

**Collapse:**
Design factor 1.125

**Burst:**
Design factor 1.00

**Tension:**
8 Round STC: 1.80 (J)
8 Round LTC: 1.80 (J)
Buttress: 1.60 (J)
Premium: 1.50 (J)
Body yield: 1.50 (B)

Tension is based on buoyed weight.
Neutral point: 2,439 ft

**Environment:**
H2S considered? No
Surface temperature: 75 °F
Bottom hole temperature: 113 °F
Temperature gradient: 1.40 °F/100ft
Minimum section length: 500 ft

Cement top: 3 ft

Completion type is subs
Directional well information:
Kick-off point 0 ft
Departure at shoe: 540 ft
Maximum dogleg: 3.5 °/100ft
Inclination at shoe: 15.43 °

**Re subsequent strings:**
Next setting depth: 8,942 ft
Next mud weight: 8.600 ppg
Next setting BHP: 3,995 psi
Fracture mud wt: 19.250 ppg
Fracture depth: 2,800 ft
Injection pressure 2,800 psi

| Run Seq | Segment Length (ft) | Size (in) | Nominal Weight (lbs/ft) | Grade | End Finish | True Vert Depth (ft) | Measured Depth (ft) | Drift Diameter (in) | Internal Capacity ($ft^3$) |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 2800 | 9.625 | 36.00 | J-55 | LT&C | 2729 | 2800 | 8.796 | 199.4 |

| Run Seq | Collapse Load (psi) | Collapse Strength (psi) | Collapse Design Factor | Burst Load (psi) | Burst Strength (psi) | Burst Design Factor | Tension Load (Kips) | Tension Strength (Kips) | Tension Design Factor |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 1219 | 2020 | 1.657 | 2792 | 3520 | 1.26 | 86 | 453 | 5.28 J |

Prepared by: Clinton Dworshak, Utah Div. of Oil & Mining
Phone: 801-538-5280
FAX: 801-359-3940
Date: July 19,2005
Salt Lake City, Utah

Remarks:
Collapse is based on a vertical depth of 2729 ft, a mud weight of 8.6 ppg The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.
Collapse strength is (biaxially) derated for doglegs in directional wells by multiplying the tensile stress by the cross section area to calculate a

| | |
|---|---|
| Well name: | **07-05 Dominion LCU 11-2H** |
| Operator: | **Donimion Exploration & Production** |
| String type: | Production |
| Project ID: | 43-047-36780 |
| Location: | Uintah County |

**Design parameters:**

**Collapse**
Mud weight: 8.600 ppg
Design is based on evacuated pipe.

**Burst**
Max anticipated surface pressure: 2,922 psi
Internal gradient: 0.120 psi/ft
Calculated BHP 3,995 psi

No backup mud specified.

**Minimum design factors:**

**Collapse:**
Design factor 1.125

**Burst:**
Design factor 1.00

**Tension:**
8 Round STC: 1.80 (J)
8 Round LTC: 1.80 (J)
Buttress: 1.60 (J)
Premium: 1.50 (J)
Body yield: 1.50 (B)

Tension is based on buoyed weight.
Neutral point: 7,884 ft

**Environment:**
H2S considered? No
Surface temperature: 75 °F
Bottom hole temperature: 200 °F
Temperature gradient: 1.40 °F/100ft
Minimum section length: 1,500 ft

Cement top: 4,336 ft

Completion type is subs
Directional well information:
Kick-off point 0 ft
Departure at shoe: 847 ft
Maximum dogleg: 3.5 °/100ft
Inclination at shoe: 0 °

| Run Seq | Segment Length (ft) | Size (in) | Nominal Weight (lbs/ft) | Grade | End Finish | True Vert Depth (ft) | Measured Depth (ft) | Drift Diameter (in) | Internal Capacity ($ft^3$) |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 9050 | 5.5 | 17.00 | Mav-80 | LT&C | 8942 | 9050 | 4.767 | 311.9 |

| Run Seq | Collapse Load (psi) | Collapse Strength (psi) | Collapse Design Factor | Burst Load (psi) | Burst Strength (psi) | Burst Design Factor | Tension Load (Kips) | Tension Strength (Kips) | Tension Design Factor |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 3995 | 6290 | 1.575 | 3995 | 7740 | 1.94 | 132 | 273 | 2.06 B |

Prepared by: Clinton Dworshak
Utah Div. of Oil & Mining
Phone: 801-538-5280
FAX: 801-359-3940
Date: July 19,2005
Salt Lake City, Utah

Remarks:
Collapse is based on a vertical depth of 8942 ft, a mud weight of 8.6 ppg The casing is considered to be evacuated for collapse purposes.
Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.
Collapse strength is (biaxially) derated for doglegs in directional wells by multiplying the tensile stress by the cross section area to calculate a

# United States Department of the Interior

## BUREAU OF LAND MANAGEMENT

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

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

June 17, 2005

Memorandum

To: Assistant District Manager Minerals, Vernal District

From: Michael Coulthard, Petroleum Engineer

Subject: 2005 Plan of Development Little Canyon Unit
Uintah County, Utah.

Pursuant to email between Diana Whitney, Division of Oil, Gas and Mining, and Mickey Coulthard, Utah State Office, Bureau of Land Management, the following wells are planned for calendar year 2005 within the Little Canyon Unit, Uintah County, Utah.

| API # | WELL NAME | LOCATION |
|---|---|---|
| (Proposed PZ MesaVerde) | | |
| 43-047-36779 | LCU 5-2H | Sec 2 T11S R20E 2555 FSL 1321 FWL |
| | BHL | Sec 2 T11S R20E 2000 FNL 0750 FWL |
| 43-047-36780 | LCU 11-2H | Sec 2 T11S R20E 2540 FSL 1341 FWL |
| | BHL | Sec 2 T11S R20E 2000 FSL 2000 FWL |
| 43-047-36783 | LCU 14-36F | Sec 36 T10S R20E 0548 FSL 1962 FWL |

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

/s/ Michael L. Coulthard

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

MCoulthard:mc:6-17-05

**From:** Ed Bonner
**To:** Whitney, Diana
**Date:** 7/18/2005 1:37:58 PM
**Subject:** Well Clearance

The following wells have been given cultural resource clearance by the Trust Lands Cultural Resources Group:

Houston Exploration Company
- Southman Canyon 1-36-9-23
- Southman Canyon 3-36-9-23
- Southman Canyon 5-36-9-23
- Southman Canyon 7-36-9-23
- Southman Canyon 9-36-9-23
- Southman Canyon 15-36-9-23

Dominion Exploration & Production, Inc
- LCU 5-2H
- LCU 11-2H
- LCU 14-36F

If you have any questions regarding this matter please give me a call.

**CC:** Garrison, LaVonne; Hill, Brad; Hunt, Gil

004

State of Utah

Department of Natural Resources

MICHAEL R. STYLER
*Executive Director*

Division of Oil, Gas & Mining

JOHN R. BAZA
*Division Director*

JON M. HUNTSMAN, JR.
*Governor*

GARY R. HERBERT
*Lieutenant Governor*

July 19, 2005

Dominion Exploration & Production, Inc.
14000 Quail Springs Parkway, Suite 600
Oklahoma City, OK 73134

Re: Little Canyon Unit 11-2H Well, 2540' FSL, 1341' FWL, NE SW, Sec. 2, T. 11 South, R. 20 East, Bottom Location 2000' FSL, 2000' FWL, NE SW, Sec. 2, T. 11 South, R. 20 East, Uintah County, Utah

Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann.§ 40-6-1 *et seq.*, Utah Administrative Code R649-3-1 *et seq.*, and the attached Conditions of Approval, approval to drill the referenced well is granted.

Appropriate information has been submitted to DOGM and administrative approval of the requested exception location is hereby granted.

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. The API identification number assigned to this well is 43-047-36780.

Sincerely,

Gil Hunt
Acting Associate Director

pab
Enclosures

cc: Uintah County Assessor
SITLA
Bureau of Land Management, Vernal District Office

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

**Operator:** Dominion Exploration & Production, Inc.

**Well Name & Number** Little Canyon Unit 11-2H

**API Number:** 43-047-36780

**Lease:** ML-48771

| | | | | |
|---|---|---|---|---|
| **Location:** | NE SW | **Sec.** 2 | **T.** 11 South | **R.** 20 East |
| **Bottom Location:** | NE SW | **Sec.** 2 | **T.** 11 South | **R.** 20 East |

## Conditions of Approval

1. 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.

2. Notification Requirements

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

   - 24 hours prior to cementing or testing casing
   - 24 hours prior to testing blowout prevention equipment
   - 24 hours prior to spudding the well
   - within 24 hours of any emergency changes made to the approved drilling program
   - prior to commencing operations to plug and abandon the well

   The following are Division of Oil, Gas and Mining contacts and their work telephone numbers (please leave a voice mail message if the person is not available to take the call):

   - Dan Jarvis at (801) 538-5338
   - Carol Daniels at (801) 538-5284 (spud)

3. Reporting Requirements

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

4. 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.

5. Compliance with the State of Utah Antiquities Act forbids disturbance of archeological, historical, or paleontological remains. Should archeological, historical or paleontological remains be encountered during your operations, you are required to immediately suspend all operations and immediately inform the Trust Lands Administration and the Division of State History of the discovery of such remains.

6. Compliance with the Conditions of Approval/Application for Permit to Drill outlined in the Statement of Basis. (Copy Attached)

7. This proposed well is located in an area for which drilling units (well spacing patterns) have not been established through an order of the Board of Oil, Gas and Mining (the "Board"). In order to avoid the possibility of waste or injury to correlative rights, the operator is requested, once the well has been drilled, completed, and has produced, to analyze geological and engineering data generated therefrom, as well as any similar data from surrounding areas if available. As soon as is practicable after completion of its analysis, and if the analysis suggests an area larger than the quarter-quarter section upon which the well is located is being drained, the operator is requested to seek an appropriate order from the Board establishing drilling and spacing units in conformance with such analysis by filing a Request for Agency Action with the Board.

8. The 5 ½" production string shall be cemented back to ±3500' to isolate Wasatch Formation.

CONFIDENTIAL FORM 9

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

| 5. LEASE DESIGNATION AND SERIAL NUMBER: ML-48771 |
|---|
| 6. IF INDIAN, ALLOTTEE OR TRIBE NAME: |
| 7. UNIT or CA AGREEMENT NAME: |
| 8. WELL NAME and NUMBER: LCU 11-2H |
| 9. API NUMBER: 43-047-36780 |
| 10. FIELD AND POOL, OR WILDCAT: |

# 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.

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

2. NAME OF OPERATOR: Dominion Exploration & Production, Inc.

3. ADDRESS OF OPERATOR: 14000 Quail Springs CITY Oklahoma City STATE OK ZIP 73134 PHONE NUMBER: (405) 749-1300

4. LOCATION OF WELL
FOOTAGES AT SURFACE: 2540' FSL & 1341' FWL COUNTY: Uintah
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NESW 2 11S 20E STATE: UTAH

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

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

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

The state APD for this well expires July 19, 2006. Dominion is hereby requesting a one year extension.

Approved by the
Utah Division of
Oil, Gas and Mining
Date: 06-29-06
By: [signature]

COPY SENT TO OPERATOR
Date: 6-27-06
Initials: CHD

NAME (PLEASE PRINT) Carla Christian TITLE Sr. Regulatory Specialist

SIGNATURE Carla Christian DATE 6/19/2006

(This space for State use only)

RECEIVED
JUN 27 2006
DIV OF OIL, GAS & MINING

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

**Application for Permit to Drill**
**Request for Permit Extension**
**Validation**
(this form should accompany the Sundry Notice requesting permit extension)

**API:** 43-047-36780
**Well Name:** LCU 11-2H
**Location:** Section 2-11S-20E, 2540' FSL & 1341' FWL
**Company Permit Issued to:** Dominion Exploration & Production, Inc.
**Date Original Permit Issued:** 7/19/2005

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 right-of-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☐

Carla Christian
Signature

6/20/2006
Date

Title: Sr. Regulatory Specialist

Representing: Dominion Exploration & Production, Inc.

RECEIVED

DIV. OF OIL, GAS & MINING

FORM 9

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

5. LEASE DESIGNATION AND SERIAL NUMBER: ML-48771

# SUNDRY NOTICES AND REPORTS ON WELLS

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

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

7. UNIT or CA AGREEMENT NAME: Little Canyon Unit

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

8. WELL NAME and NUMBER: LCU 11-2H

2. NAME OF OPERATOR: Dominion Exploration & Production, Inc.

9. API NUMBER: 43-047-36780

3. ADDRESS OF OPERATOR: 14000 Quail Springs Pkwy, STE 600 CITY Oklahoma City STATE OK ZIP 73134

PHONE NUMBER: (405) 749-5237

10. FIELD AND POOL, OR WILDCAT: Natural Buttes

4. LOCATION OF WELL

FOOTAGES AT SURFACE: 2450' FSL & 1341' FWL

COUNTY: Uintah

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NESW 2 11S 20E

STATE: UTAH

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

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

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

The State APD on this well expires July 19, 2007. Dominion respectfully requests a one year extension.

Approved by the
Utah Division of
Oil, Gas and Mining

Date: 05-30-07

By:

SENT TO OPERATOR
Date: 5-31-07
Initials: RM

NAME (PLEASE PRINT) Barbara Lester TITLE Regulatory Specialist

SIGNATURE Barbara Lester DATE 5/24/2007

(This space for State use only)

RECEIVED
MAY 25 2007
DIV. OF OIL, GAS & MINING

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

[redacted]

**Application for Permit to Drill**
**Request for Permit Extension**
**Validation**
(this form should accompany the Sundry Notice requesting permit extension)

**API:** 43-047-36780
**Well Name:** LCU 11-2H
**Location:** 2540' FSL & 1341' FWL, Sec. 2-11S-20E
**Company Permit Issued to:** Dominion Exploration & Production, Inc.
**Date Original Permit Issued:** 7/19/2006

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 right-of-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☐

Barbara Reason
Signature

5/24/2007
Date

Title: Regulatory Specialist

Representing: Dominion Exploration & Production, Inc.

RECEIVED
MAY 25 2007
DIV. OF OIL, GAS & MINING

**Division of Oil, Gas and Mining**

# OPERATOR CHANGE WORKSHEET

| ROUTING |
|---|
| 1. DJJ |
| 2. CDW |

**X - Change of Operator (Well Sold)** Operator Name Change/Merger

The operator of the well(s) listed below has changed, effective: **7/1/2007**

| **FROM:** (Old Operator): | **TO:** ( New Operator): |
|---|---|
| N1095-Dominion Exploration & Production, Inc | N2615-XTO Energy Inc |
| 14000 Quail Springs Parkway, Suite 600 | 810 Houston St |
| Oklahoma City, OK 73134 | Fort Worth, TX 76102 |
| Phone: 1 (405) 749-1300 | Phone: 1 (817) 870-2800 |

**CA No.** **Unit:** **LITTLE CANYON**

| WELL NAME | SEC | TWN | RNG | API NO | ENTITY NO | LEASE TYPE | WELL TYPE | WELL STATUS |
|---|---|---|---|---|---|---|---|---|
| **SEE ATTACHED LIST** | | | | | | | | |

## OPERATOR CHANGES DOCUMENTATION

**Enter date after each listed item is completed**

1. (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 8/6/2007
2. (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 8/6/2007
3. The new company was checked on the **Department of Commerce, Division of Corporations Database on:** 8/6/2007
4a. Is the new operator registered in the State of Utah: Business Number: 5655506-0143
4b. If **NO**, the operator was contacted contacted on:
5a. (R649-9-2)Waste Management Plan has been received on: IN PLACE
5b. Inspections of LA PA state/fee well sites complete on: n/a
5c. Reports current for Production/Disposition & Sundries on: ok
6. **Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: BLM BIA
7. **Federal and Indian Units:** The BLM or BIA has approved the successor of unit operator for wells listed on:
8. **Federal and Indian Communization Agreements ("CA"):** The BLM or BIA has approved the operator for all wells listed within a CA on:
9. **Underground Injection Control ("UIC")** The Division has approved UIC Form 5, **Transfer of Authority to Inject,** for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on:

## DATA ENTRY:

1. Changes entered in the **Oil and Gas Database on:** 9/27/2007
2. Changes have been entered on the **Monthly Operator Change Spread Sheet on:** 9/27/2007
3. Bond information entered in RBDMS on: 9/27/2007
4. Fee/State wells attached to bond in RBDMS on: 9/27/2007
5. Injection Projects to new operator in RBDMS on: 9/27/2007
6. Receipt of Acceptance of Drilling Procedures for APD/New on: 9/27/2007

## BOND VERIFICATION:

1. Federal well(s) covered by Bond Number: UTB000138
2. Indian well(s) covered by Bond Number: n/a
3a. (R649-3-1) The **NEW** operator of any state/fee well(s) listed covered by Bond Number 104312762
3b. The **FORMER** operator has requested a release of liability from their bond on: 1/23/2008
The Division sent response by letter on:

## LEASE INTEREST OWNER NOTIFICATION:

4. (R649-2-10) The **NEW** operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on:

**COMMENTS:**

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

FORM 9

5. LEASE DESIGNATION AND SERIAL NUMBER:

## SUNDRY NOTICES AND REPORTS ON WELLS

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

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

7. UNIT or CA AGREEMENT NAME:

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

8. WELL NAME and NUMBER: SEE ATTACHED

2. NAME OF OPERATOR: XTO Energy Inc. N2615

9. API NUMBER: SEE ATTACHED

3. ADDRESS OF OPERATOR: 810 Houston Street CITY Fort Worth STATE TX ZIP 76102

PHONE NUMBER: (817) 870-2800

10. FIELD AND POOL, OR WILDCAT: Natural Buttes

4. LOCATION OF WELL

FOOTAGES AT SURFACE: SEE ATTACHED

COUNTY: Uintah

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:

STATE: UTAH

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

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

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

Effective July 1, 2007, XTO Energy Inc. has purchased the wells listed on the attachment from:

Dominion Exploration & Production, Inc.
14000 Quail Springs Parkway, Suite 600
Oklahoma City, OK 73134
N1095

James D Abercrombie (405) 749-1300
James D. Abercrombie
Sr. Vice President, General Manager - Western Business Unit

Please be advised that XTO Energy Inc. is considered to be the operator on the attached list and is responsible under the terms and conditions of the lease for the operations conducted upon the lease lands. Bond coverage is provided by Nationwide BLM Bond #104312750 and Department of Natural Resources Bond #104312762.

NAME (PLEASE PRINT) Edwin S. Ryan, Jr. TITLE Sr. Vice President - Land Administration

SIGNATURE Edwin S Ryan, Jr DATE 7/31/2007

(This space for State use only)

APPROVED 9/27/07
Earlene Russell
Division of Oil, Gas and Mining
Earlene Russell, Engineering Technician

RECEIVED
AUG 06 2007
DIV. OF OIL, GAS & MINING

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

N1095 DOMINION E and P, INC. to N2615 XTO ENERGY, INC.

LITTLE CANYON UNIT

| api | well_name | qtr_qtr | sec | twp | rng | lease_num | entity | Lease | well | stat |
|---|---|---|---|---|---|---|---|---|---|---|
| 4304731026 | HILL FEDERAL 1-10 | NESW | 10 | 110S | 200E | U-44089 | 1368 | Federal | GW | TA |
| 4304731178 | LAFKAS FED 1-3 | SWSW | 03 | 110S | 200E | U-34350 | 1367 | Federal | GW | S |
| 4304735639 | LCU 5-35F | SWNW | 35 | 100S | 200E | U-01470-C | 14619 | Federal | GW | P |
| 4304735646 | LCU 10-35F | NWSE | 35 | 100S | 200E | U-01470-D | 14619 | Federal | GW | P |
| 4304735729 | LCU 14-1H | SESW | 01 | 110S | 200E | UTU-73436 | 14619 | Federal | GW | P |
| 4304735730 | LCU 12-1H | NWSW | 01 | 110S | 200E | UTU-73436 | 14619 | Federal | GW | P |
| 4304735731 | LCU 2-12H | NWNE | 12 | 110S | 200E | UTU-73436 | 14619 | Federal | GW | P |
| 4304736164 | LCU 6-6G | SENW | 06 | 110S | 210E | UTU-75700 | 14619 | Federal | GW | P |
| 4304736165 | LCU 2-1H | NWNE | 01 | 110S | 200E | UTU-76264 | 14619 | Federal | GW | P |
| 4304736166 | LCU 5-1H | SWNW | 01 | 110S | 200E | UTU-76264 | 14619 | Federal | GW | P |
| 4304736167 | LCU 16-1H | SESE | 01 | 110S | 200E | UTU-73436 | 14619 | Federal | GW | P |
| 4304736168 | LCU 11-1H | NESW | 01 | 110S | 200E | UTU-73436 | 14619 | Federal | GW | P |
| 4304736607 | LCU 11-10H | NESW | 10 | 110S | 200E | U-44089 | 15361 | Federal | GW | P |
| 4304736774 | LCU 2-10H | NWNE | 10 | 110S | 200E | UTU-44089 | 15330 | Federal | GW | P |
| 4304736775 | LCU 7-3H | SWNE | 03 | 110S | 200E | UTU-44090-A | 15777 | Federal | GW | P |
| 4304736776 | LCU 11-3H | NESW | 03 | 110S | 200E | UTU-34350 | 16104 | Federal | GW | DRL |
| 4304736803 | LCU 7-1H | SWNE | 01 | 110S | 200E | UTU-76264 | 14619 | Federal | GW | P |
| 4304736804 | LCU 3-3H | NENW | 03 | 110S | 200E | UTU-44090-A | 16070 | Federal | GW | DRL |
| 4304736805 | LCU 14-3H | SESW | 03 | 110S | 200E | UTU-34350 | 16106 | Federal | GW | DRL |
| 4304736806 | LCU 15-9H | SWSE | 09 | 110S | 200E | UTU-76265 | 16042 | Federal | GW | DRL |
| 4304736807 | LCU 8-12H | SENE | 12 | 110S | 200E | U-73436 | 14619 | Federal | GW | P |
| 4304736811 | LCU 14-35F | SESW | 35 | 100S | 200E | U-01470-D | 14619 | Federal | GW | P |
| 4304736812 | LCU 13-35F | SWSW | 35 | 100S | 200E | U-01470-D | 14619 | Federal | GW | P |
| 4304736813 | LCU 12-6G | NWSW | 06 | 110S | 210E | U-72665 | 15248 | Federal | GW | P |
| 4304736891 | LCU 9-3H | NESE | 03 | 110S | 200E | UTU-34350 | 16107 | Federal | GW | DRL |
| 4304737198 | LCU 6-11H | SENW | 11 | 110S | 200E | UTU-73436 | 16009 | Federal | GW | P |
| 4304737199 | LCU 12-11H | NWSW | 11 | 110S | 200E | UTU-73436 | 16009 | Federal | GW | P |
| 4304737200 | LCU 14-11H | SESW | 11 | 110S | 200E | UTU-73436 | 16009 | Federal | GW | P |
| 4304737449 | LCU 9-11H | NESE | 11 | 110S | 200E | UTU-73436 | 16009 | Federal | OW | P |
| 4304738380 | LCU 6-3H | SENW | 03 | 110S | 200E | UTU-44090-A | 15939 | Federal | GW | DRL |
| 4304738381 | LCU 10-3H | NWSE | 03 | 110S | 200E | UTU-34350 | 16157 | Federal | GW | DRL |
| 4304738382 | LCU 16-3H | SESE | 03 | 110S | 200E | UTU-34350 | 16105 | Federal | GW | DRL |
| 4304738991 | LCU 2-6GX (RIGSKID) | NWNE | 06 | 110S | 210E | UTU-075700 | 15912 | Federal | GW | P |
| 4304739065 | UTE TRIBAL 3-11H | NENW | 11 | 110S | 200E | 14-20-H62-5611 | 16073 | Indian | GW | DRL |
| 4304739066 | UTE TRIBAL 7-11H | SWNE | 11 | 110S | 200E | 14-20-H62-5611 | 16044 | Indian | GW | P |
| 4304739067 | UTE TRIBAL 8-11H | SENE | 11 | 110S | 200E | 14-20-H62-5611 | 16045 | Indian | GW | DRL |

N1095 DOMINION E and P, INC. to N2615 XTO ENERGY, INC.

LITTLE CANYON UNIT

| api | well_name | qtr_qtr | sec | twp | rng | lease_num | entity | Lease | well | stat |
|---|---|---|---|---|---|---|---|---|---|---|
| 4304735613 | LCU 12-36F | NWSW | 36 | 100S | 200E | ML-47391 | 14619 | State | GW | P |
| 4304735643 | LCU 10-2H | NWSE | 02 | 110S | 200E | ML-48771 | 14630 | State | GW | P |
| 4304736611 | LCU 13-2H | SWSW | 02 | 110S | 200E | ML-48771 | 15704 | State | GW | P |
| 4304736779 | LCU 5-2H | NESW | 02 | 110S | 200E | ML-48771 | 99999 | State | GW | DRL |
| 4304736780 | LCU 11-2H | NESW | 02 | 110S | 200E | ML-48771 | 99999 | State | GW | DRL |
| 4304736783 | LCU 14-36F | SESW | 36 | 100S | 200E | ML-47391 | 14619 | State | GW | P |
| 4304737986 | LCU 3-36F | NENW | 36 | 100S | 200E | ML-47391 | 16071 | State | GW | DRL |
| 4304737987 | LCU 10-36F | NWSE | 36 | 100S | 200E | ML-47391 | 15911 | State | GW | S |
| 4304737988 | LCU 8-36F | SENE | 36 | 100S | 200E | ML-47391 | 16030 | State | GW | P |
| 4304737989 | LCU 13-36F | SWSW | 36 | 100S | 200E | ML-47391 | 14619 | State | GW | P |
| 4304737999 | LCU 6-36F | SENW | 36 | 100S | 200E | ML-47391 | 16059 | State | GW | S |
| 4304738026 | LCU 11-36F | NESW | 36 | 100S | 200E | ML-47391 | 14619 | State | GW | P |
| 4304738256 | LCU 8-2H | SENE | 02 | 110S | 200E | ML-48771 | 99999 | State | GW | DRL |
| 4304738257 | LCU 12-2H | NWSW | 02 | 110S | 200E | ML-48771 | 15750 | State | GW | P |
| 4304738258 | LCU 7-2H | SWNE | 02 | 110S | 200E | ML-48771 | 15664 | State | GW | P |
| 4304738259 | LCU 9-2H | SENE | 02 | 110S | 200E | ML-48771 | 99999 | State | GW | DRL |
| 4304738260 | LCU 15-36F | SWSE | 36 | 100S | 200E | ML-47391 | 15893 | State | GW | P |

# United States Department of the Interior

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

TAKE PRIDE IN AMERICA

IN REPLY REFER TO
3180
UT-922

Dominion Exploration & Production, Inc.
Attn: James D. Abercrombie
14000 Quail Springs Parkway, #600
Oklahoma City, OK 73134-2600

August 10, 2007

Re: Little Canyon Unit
Uintah County, Utah

Gentlemen:

On August 8, 2007, we received an indenture dated June 30, 2007, whereby Dominion Exploration & Production, Inc. resigned as Unit Operator and XTO Energy Inc. was designated as Successor Unit Operator for the Little Canyon Unit, Uintah County, Utah.

This indenture was executed by all required parties and the signatory parties have complied with Sections 5 and 6 of the unit agreement. The instrument is hereby approved effective August 15, 2007. In approving this designation, the Authorized Officer neither warrants nor certifies that the designated party has obtained all required approval that would entitle it to conduct operations under the Little Canyon Unit Agreement.

Your statewide oil and gas bond No. UTB000138 will be used to cover all operations within the River Bend Unit.

It is requested that you notify all interested parties of the change in unit operator. Copies of the approved instruments are being distributed to the appropriate federal offices, with one copy returned herewith.

Sincerely,

*/s/ Greg J. Noble*

Greg J. Noble
Acting Chief, Branch of Fluid Minerals

Enclosure

FORM 9

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

5. LEASE DESIGNATION AND SERIAL NUMBER: ML-48771

# SUNDRY NOTICES AND REPORTS ON WELLS

6. IF INDIAN, ALLOTTEE OR TRIBE NAME: N/A

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.

7. UNIT or CA AGREEMENT NAME: Little Canyon

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

8. WELL NAME and NUMBER: LCU 11-2H

2. NAME OF OPERATOR: XTO Energy

9. API NUMBER: 4304736780

3. ADDRESS OF OPERATOR: P.O. Box 1360 CITY Roosevelt STATE UT ZIP 84066

PHONE NUMBER: (435) 722-4521

10. FIELD AND POOL, OR WILDCAT: Hill Creek

4. LOCATION OF WELL

FOOTAGES AT SURFACE: 2540' FSL & 1341' FWL

COUNTY: Uintah

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NESW 2 11S 20E S

STATE: UTAH

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

| TYPE OF SUBMISSION | TYPE OF ACTION | | |
|---|---|---|---|
| ☐ NOTICE OF INTENT (Submit in Duplicate) | ☐ ACIDIZE | ☐ DEEPEN | ☐ REPERFORATE CURRENT FORMATION |
| Approximate date work will start: | ☐ ALTER CASING | ☐ FRACTURE TREAT | ☐ SIDETRACK TO REPAIR WELL |
| | ☐ CASING REPAIR | ☐ NEW CONSTRUCTION | ☐ TEMPORARILY ABANDON |
| | ☐ CHANGE TO PREVIOUS PLANS | ☐ OPERATOR CHANGE | ☐ TUBING REPAIR |
| | ☐ CHANGE TUBING | ☐ PLUG AND ABANDON | ☐ VENT OR FLARE |
| ☑ SUBSEQUENT REPORT (Submit Original Form Only) | ☐ CHANGE WELL NAME | ☐ PLUG BACK | ☐ WATER DISPOSAL |
| Date of work completion: 10/1/2007 | ☐ CHANGE WELL STATUS | ☐ PRODUCTION (START/RESUME) | ☐ WATER SHUT-OFF |
| | ☐ COMMINGLE PRODUCING FORMATIONS | ☐ RECLAMATION OF WELL SITE | ☑ OTHER: Surface to Buried Pipeline |
| | ☐ CONVERT WELL TYPE | ☐ RECOMPLETE - DIFFERENT FORMATION | |

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

XTO Energy requests approval to upgrade the previously permitted 4" surface pipeline corridor to a 12" or less buried pipeline corridor within a 75' disturbed width. The pipeline corridor will service the LCU 11-2H / LCU 5-2H pad and transport gas from the dual well pad to the LCU pipeline that traverses the LCU unit area. The proposed pipeline upgrade only crosses SITLA surface.

ORIGINAL

NAME (PLEASE PRINT) Don Hamilton TITLE Agent for XTO Energy

SIGNATURE Don Hamilton DATE 9/18/2007

(This space for State use only)

Accepted by the
Utah Division of (See Instructions on Reverse Side)
Oil, Gas and Mining
For Record Only

RECEIVED
SEP 19 2007
DIV. OF OIL, GAS & MINING

(5/2000)

# DIVISION OF OIL, GAS AND MINING

## *SPUDDING INFORMATION*

Name of Company: **XTO ENERGY, INC**

Well Name: **LCU 11-2H**

Api No: **43-047-36780** Lease Type: **STATE**

Section **02** Township **11S** Range **20E** County **UINTAH**

Drilling Contractor **PETE MARTIN DRLG** RIG # **RATHOLE**

## SPUDDED:

Date **09/24/07**

Time **9:00 AM**

How **DRY**

***Drilling will Commence:***

Reported by **RICK OMAN**

Telephone # **(435) 828-1456**

**Date** **09/24/07** **Signed** **CHD**

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

FORM 6

## ENTITY ACTION FORM

Operator: XTO ENERGY INC.
Address: 382 CR 3100
city AZTEC
state NM zip 87410

Operator Account Number: N 2615
Phone Number: (505) 333-3100

Well 1

| API Number | Well Name | QQ | Sec | Twp | Rng | County |
|---|---|---|---|---|---|---|
| 4304737660 | KINGS CANYON 9-36D | SESE | 36 | 10 | 18 | UINTAH |

| Action Code | Current Entity Number | New Entity Number | Spud Date | Entity Assignment Effective Date |
|---|---|---|---|---|
| A | 99999 | 16425 | 9/21/2007 | 10/17/07 |

Comments: MVRD

Well 2

| API Number | Well Name | QQ | Sec | Twp | Rng | County |
|---|---|---|---|---|---|---|
| 4304736780 | LCU 11-2H | NESW | 2 | 11 | 20S | UINTAH |

| Action Code | Current Entity Number | New Entity Number | Spud Date | Entity Assignment Effective Date |
|---|---|---|---|---|
| A | 99999 | 16426 | 9/29/2007 | 10/17/07 |

Comments: MVRD

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)

HOLLY C. PERKINS
Name (Please Print)

Holly C. Perkins
Signature

Regulatory Compliance Tech
Title

10/17/2007
Date

RECEIVED
OCT 17 2007
DIV. OF OIL, GAS & MINING

FORM 9

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

5. LEASE DESIGNATION AND SERIAL NUMBER: ML-48771

# SUNDRY NOTICES AND REPORTS ON WELLS

6. IF INDIAN, ALLOTTEE OR TRIBE NAME: N/A

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.

7. UNIT or CA AGREEMENT NAME: LITTLE CANYON UNIT

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

8. WELL NAME and NUMBER: LCU 11-2H

2. NAME OF OPERATOR: XTO ENERGY INC.

9. API NUMBER: 4304736780

3. ADDRESS OF OPERATOR: 382 CR 3100 CITY AZTEC STATE NM ZIP 87410

PHONE NUMBER: (505) 333-3100

10. FIELD AND POOL, OR WILDCAT: NATURAL BUTTES

4. LOCATION OF WELL

FOOTAGES AT SURFACE: 2540' FSL & 1341' FWL

COUNTY: UINTAH

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NESW 2 11S 20E

STATE: UTAH

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

| TYPE OF SUBMISSION | TYPE OF ACTION | | |
|---|---|---|---|
| ☐ NOTICE OF INTENT (Submit in Duplicate) | ☐ ACIDIZE | ☐ DEEPEN | ☐ REPERFORATE CURRENT FORMATION |
| Approximate date work will start: | ☐ ALTER CASING | ☐ FRACTURE TREAT | ☐ SIDETRACK TO REPAIR WELL |
| | ☐ CASING REPAIR | ☐ NEW CONSTRUCTION | ☐ TEMPORARILY ABANDON |
| | ☐ CHANGE TO PREVIOUS PLANS | ☐ OPERATOR CHANGE | ☐ TUBING REPAIR |
| | ☐ CHANGE TUBING | ☐ PLUG AND ABANDON | ☐ VENT OR FLARE |
| ☑ SUBSEQUENT REPORT (Submit Original Form Only) | ☐ CHANGE WELL NAME | ☐ PLUG BACK | ☐ WATER DISPOSAL |
| Date of work completion: 9/21/2007 | ☐ CHANGE WELL STATUS | ☐ PRODUCTION (START/RESUME) | ☐ WATER SHUT-OFF |
| | ☐ COMMINGLE PRODUCING FORMATIONS | ☐ RECLAMATION OF WELL SITE | ☑ OTHER: SPUD |
| | ☐ CONVERT WELL TYPE | ☐ RECOMPLETE - DIFFERENT FORMATION | |

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

XTO Energy Inc. spudded 17 1/2" hole to 520" 0n 9/29/2007. Ran & set 13 joints 13 3/8", 61#, J-55, ST&C surface casing @ 496'. Cemented surface casing with 500 sx Class Prem Lite Cement. Circ cmt to surf.

Drilling ahead . . .

NAME (PLEASE PRINT) HOLLY C. PERKINS TITLE REGULATORY COMPLIANCE TECH

SIGNATURE Holly C. Perkins DATE 10/18/2007

(This space for State use only)

RECEIVED
OCT 23 2007
DIV. OF OIL, GAS & MINING

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

FORM 9

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

5. LEASE DESIGNATION AND SERIAL NUMBER: ML-48771

# SUNDRY NOTICES AND REPORTS ON WELLS

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

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

7. UNIT or CA AGREEMENT NAME: LITTLE CANYON UNIT

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

8. WELL NAME and NUMBER: LCU 11-2H

2. NAME OF OPERATOR: XTO ENERGY INC.

9. API NUMBER: 4304736780

3. ADDRESS OF OPERATOR: 382 CR 3100 AZTEC NM 87410

PHONE NUMBER: (505) 333-3100

10. FIELD AND POOL, OR WILDCAT: WSTCH MVRD

4. LOCATION OF WELL

FOOTAGES AT SURFACE: 2540' FSL & 1341' FWL

COUNTY: UINTAH

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NESW 2 11S 20E

STATE: UTAH

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

| TYPE OF SUBMISSION | TYPE OF ACTION | | |
|---|---|---|---|
| ☑ NOTICE OF INTENT (Submit in Duplicate) | ☐ ACIDIZE | ☐ DEEPEN | ☐ REPERFORATE CURRENT FORMATION |
| Approximate date work will start: 12/28/2007 | ☐ ALTER CASING | ☐ FRACTURE TREAT | ☐ SIDETRACK TO REPAIR WELL |
| | ☐ CASING REPAIR | ☐ NEW CONSTRUCTION | ☐ TEMPORARILY ABANDON |
| | ☐ CHANGE TO PREVIOUS PLANS | ☐ OPERATOR CHANGE | ☐ TUBING REPAIR |
| | ☐ CHANGE TUBING | ☐ PLUG AND ABANDON | ☐ VENT OR FLARE |
| ☐ SUBSEQUENT REPORT (Submit Original Form Only) | ☐ CHANGE WELL NAME | ☐ PLUG BACK | ☐ WATER DISPOSAL |
| Date of work completion: | ☐ CHANGE WELL STATUS | ☐ PRODUCTION (START/RESUME) | ☐ WATER SHUT-OFF |
| | ☐ COMMINGLE PRODUCING FORMATIONS | ☐ RECLAMATION OF WELL SITE | ☑ OTHER: CHG CSG & CMT DESIGN |
| | ☐ CONVERT WELL TYPE | ☐ RECOMPLETE - DIFFERENT FORMATION | |

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

XTO Energy Inc. proposes to change the casing & cement design per attached.

COPY SENT TO OPERATOR
Date: 1-3-2008
Initials: KS

NAME (PLEASE PRINT) LORRI D. BINGHAM TITLE REGULATORY COMPLIANCE TECH

SIGNATURE [signature] DATE 12/27/2007

(This space for State use only)

APPROVED BY THE STATE OF UTAH DIVISION OF OIL, GAS AND MINING

DATE: 12/27/07

BY: [signature]

(See Instructions on Reverse Side)

(5/2000)

RECEIVED
DEC 27 2007
DIV. OF OIL, GAS & MINING

# XTO ENERGY INC.

## LCU 11-2H

### APD Data

### December 27, 2007

**Location:** 2540' FSL & 1341' FWL, Sec. 2, T11S,R20E **County:** Uintah **State:** Utah
**Bottomhole Location:** 2000' FSL & 2000' FWL, Sec. 2, T11S, R20E

GREATEST PROJECTED TD: 9150' MD/ 9050' TVD OBJECTIVE: Wasatch/Mesaverde
APPROX GR ELEV: 5429' Est KB ELEV: 5443' (14' AGL)

## 1. MUD PROGRAM:

| INTERVAL | 0' to 500' | 500' to 4300' | 4300' to 9150' |
|---|---|---|---|
| HOLE SIZE | 17.5" | 12.25" | 7.875" |
| MUD TYPE | FW/Spud Mud | FW/Polymer | KCl Based LSND / Gel Chemical |
| WEIGHT | 8.4 | 8.4-8.8 | 8.6-9.20 |
| VISCOSITY | NC | 28-40 | 30-60 |
| WATER LOSS | NC | NC | 8-15 |

Remarks: Use fibrous materials as needed to control seepage and lost circulation. Pump high viscosity sweeps as needed for hole cleaning. Raise viscosity at TD for logging. Reduce viscosity after logging for cementing purposes. The mud system will be monitored visually/manually.

## 2. CASING PROGRAM:

Surface Casing: 13.375" casing set at ± 500' in a 17.5" hole filled with 8.4 ppg mud

| Interval | Length | Wt | Gr | Cplg | Coll Rating (psi) | Burst Rating (psi) | Jt Str (M-lbs) | ID (in) | Drift (in) | SF Coll | SF Burst | SF Ten |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0'-500' | 500' | 48# | H-40 | ST&C | 770 | 7.56 | 322 | 12.715 | 12.56 | 3.37 | 7.56 | 13.42 |

Intermediate Casing: 9.625" casing set at ±4300'MD/4191'TVD in a 12.25" hole filled with 8.8 ppg mud

| Interval | Length | Wt | Gr | Cplg | Coll Rating (psi) | Burst Rating (psi) | Jt Str (M-lbs) | ID (in) | Drift (in) | SF Coll | SF Burst | SF Ten |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0'-4300' | 4300' | 36# | J-55 | ST&C | 2020 | 3520 | 394 | 8.921 | 8.765 | 1.35 | 2.35 | 2.55 |

Collapse and burst loads calculated at TVD with 0.1 psi/ft gas gradient back up.

Production Casing: 5.5" casing set at ±9150'MD/9050'TVD in a 7.875" hole filled with 9.2 ppg mud.

| Interval | Length | Wt | Gr | Cplg | Coll Rating (psi) | Burst Rating (psi) | Jt Str (M-lbs) | ID (in) | Drift (in) | SF Coll | SF Burst | SF Ten |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0'-9150' | 9150' | 17# | N-80 | LT&C | 6280 | 7740 | 348 | 4.892 | 4.767 | 1.83 | 2.26 | 2.24 |

Collapse and burst loads calculated at TVD with 0.1 psi/ft gas gradient back up.

## 3. WELLHEAD:

A. Casing Head: Larkin Fig 92 (or equivalent), 13" nominal, 2,000 psig WP (4,000 psig test) with 13-3/8" weld on bottom and an 11" flange on top.
B. Tubing Head: Larkin Fig 612 (or equivalent), 7-1/16" nominal, 5,000 psig WP, 5-1/2" 8rnd female thread on bottom (or slip-on, weld-on), with a 2-1/16" 5M flange on top.

## 4. CEMENT PROGRAM:

A. Surface: 13.375", 48#, H-40, ST&C casing to be set at ±500' in 17.5" hole.

±337 sx of Type V cement (or equivalent) typically containing accelerator and LCM.

***Total estimated slurry volume for the 13.375" surface casing is 646.3 $ft^3$. Slurry includes 67% excess of calculated open hole annular volume to 500'.***

B. Intermediate: 9.625", 36#, J-55 (or equiv.), ST&C casing to be set at ±4300' in 12.25" hole.

LEAD:
**±490** sx of Premium Plus V Blend. (Type V/Poz/Gel) or equivalent, with dispersant, fluid loss, accelerator, & LCM mixed at 11.0 ppg, 3.82 $ft^3$/sk, 22.95 gal wtr/sx.

TAIL:
**350** sx Class G or equivalent cement with bonding additive, LCM, dispersant, & fluid loss mixed at 15.6 ppg, 1.2 cuft/sx

***Total estimated slurry volume for the 9.625" intermediate casing is 2290 $ft^3$. Slurry includes 75% excess of calculated open hole annular volume to 4300'.***

C. Production: 5.5", 17#, N-80 (or equiv.), LT&C casing to be set at ±9150' in 7.875" hole.

LEAD:
**±130** sx of Premium Plus V Blend. (Type V/Poz/Gel) or equivalent, with dispersant, fluid loss, accelerator, & LCM mixed at 11.6 ppg, 3.12 $ft^3$/sk, 17.71 gal wtr/sx.

TAIL:
**400** sx Class G or equivalent cement with poz, bonding additive, LCM, dispersant, & fluid loss mixed at 13.0 ppg, 1.75 cuft/sx, 9.09 gal/sx.

***Total estimated slurry volume for the 5.5" production casing is 1107 $ft^3$. Slurry includes 15% excess of calculated open hole annular volume.***

***Note: The slurry design may change slightly based upon actual conditions. Final cement volumes will be determined from the caliper logs plus 15% or greater excess. The cement is designed to circulate on surface and intermediate casing strings. The production casing is designed for 3800'top of cement..***

## 5. LOGGING PROGRAM:

A. Mud Logger: The mud logger will come on at intermediate casing point and will remain on the hole until TD. The mud will be logged in 10' intervals.

B. Open Hole Logs as follows: Run Array Induction/SFL/GR/SP fr/TD (9150') to the bottom of the intermediate csg. Run Neutron/Lithodensity/Pe/GR/Cal from TD (9150') to 4300'.

## 6. FORMATION TOPS:

Please see attached directional plan.

## 7. ANTICIPATED OIL, GAS, & WATER ZONES:

A.

| Formation | Expected Fluids | TV Depth Top |
|---|---|---|
| Wasatch Tongue | Oil/Gas/Water | |
| Green River Tongue | Oil/Gas/Water | |
| Wasatch | Gas/Water | |
| Chapita Wells | Gas/Water | |
| Uteland Buttes | Gas/Water | |
| Mesaverde | Gas/Water | |

A. Appropriately weighted mud will be used to isolate potential gas, oil, and water zones until such time as casing can be cemented into place for zonal isolation.

B. There are no known potential sources of $H_2S$.

C. The bottomhole pressure is anticipated to be between 4200 psi and 4600 psi.

## 8. BOP EQUIPMENT:

Surface will not utilize a bop stack.

Intermediate hole will be drilled using a diverter stack with rotating head rated at 250 psi.

Production hole will be drilled with a 3000 psi BOP stack.

Minimum specifications for pressure control equipment are as follows:

Ram Type: 11" Hydraulic double ram with annular, 3000 psi w.p.

Ram type preventers and associated equipment shall be tested to stack working pressure if isolated by test plug or to 70% of internal yield pressure of casing. Pressure shall be maintained for at least 10 minutes or until requirements of test are met, whichever is longer. If a test plug is utilized, no bleed-off pressure is acceptable. For a test not utilizing a test plug, if a decline in pressure of more than 10% in 30 minutes occurs, the test shall be considered to have failed. Valve on casing head below test plug shall be open during test of BOP stack.

Annular type preventers (if used) shall be tested to 50% of rated working pressure. Pressure shall be maintained at least 10 minutes or until provisions of test are met, whichever is longer.

As a minimum, the above test shall be performed:

a. when initially installed:

b. whenever any seal subject to test pressure is broken

c. following related repairs: and

d. at 30 day intervals

Valves shall be tested from working pressure side during BOPE tests with all down stream valves open.

When testing the kill line valve(s) shall be held open or the ball removed.

Annular preventers (if used) shall be functionally operated at least weekly.

Pipe and blind rams shall be activated each trip, however, this function need not be performed more than once a day.

A BOPE pit level drill shall be conducted weekly for each drilling crew.

The BOP and related equipment shall meet the minimum requirements of Onshore Oil and Gas Order No.2 for equipment and testing requirements, procedures, etc., and individual components shall be operable as designed. Chart recorders shall be used for all pressure tests. Pressure tests shall apply to all related well control equipment.

BOP systems shall be consistent with API RP53. Pressure tests will be conducted before drilling out from under casing strings which have been set and cemented in place. Test pressures for BOP equipment are as follows:

Annular BOP -- 1500 psi
Ram type BOP -- 3000 psi
Kill line valves -- 3000 psi
Choke line valves and choke manifold valves -- 3000 psi
Chokes -- 3000 psi
Casing, casinghead & weld -- 1500 psi
Upper kelly cock and safety valve -- 3000 psi
Dart valve -- 3000 psi

Blowout preventer controls will be installed prior to drilling the surface casing plug and will remain in use until the well is completed or abandoned. Preventers will be inspected and operated at least daily to ensure good mechanical working order, and this inspection will be recorded on the daily drilling report. Preventers will be pressure tested before drilling casing cement plugs.

The BLM in Vernal, UT shall be notified, at least 24 hours prior to initiating the pressure test, in order to have a BLM representative on location during pressure testing.

a. The size and rating of the BOP stack is shown on the attached diagram.

b. A choke line and a kill line are to be properly installed.

c. The accumulator system shall have a pressure capacity to provide for repeated operation of hydraulic preventers.

d. Drill string safety valve(s), to fit all tools in the drill string, are to be maintained on the rig floor while drilling operations are in progress.

e. See attached BOP & Choke manifold diagrams.

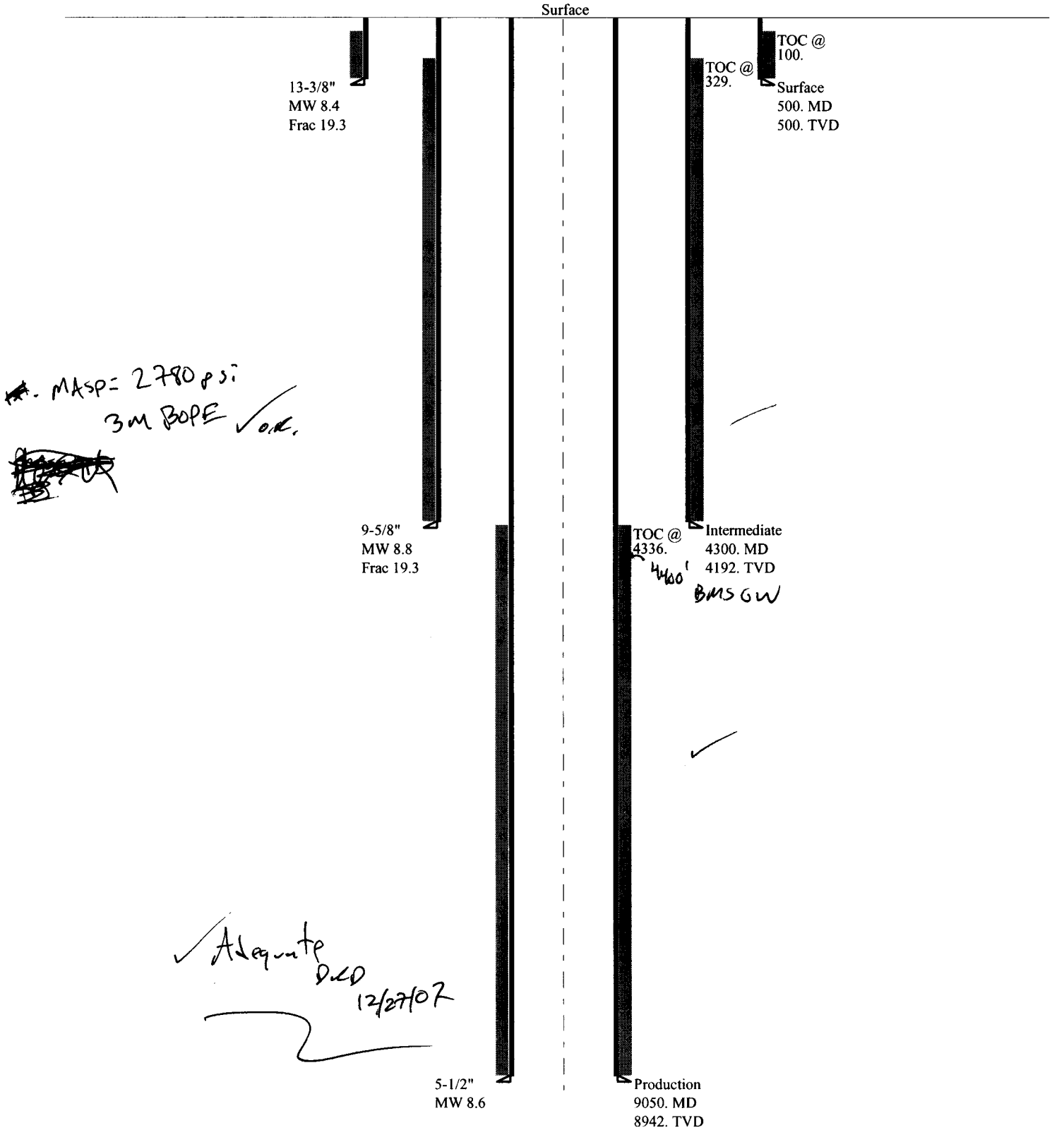
**9. COMPANY PERSONNEL:**

| Name | Title | Office Phone | Home Phone |
|---|---|---|---|
| John Egelston | Drilling Engineer | 505-333-3163 | 505-330-6902 |
| Bobby Jackson | Drilling Superintendent | 505-333-3224 | 505-486-4706 |

| | | |
|---|---|---|
| Glen Christiansen | Project Geologist | 817-885-2800 |

# 07-05 XTO LCU 11-2Hrev.

## Casing Schematic




MASP= 2780 psi
3M BOPE ✓ O.K.

✓ Adequate DLD 12/27/07

| | |
|---|---|
| Well name: | **07-05 XTO LCU 11-2Hrev.** |
| Operator: | **XTO Energy, Inc.** |
| String type: | Intermediate |
| Project ID: | 43-047-36780 |
| Location: | Uintah County |

**Design parameters:**

**Collapse**

| | |
|---|---|
| Mud weight: | ~~8,800 ppg~~ |
| Internal fluid density: | 2.000 ppg |
| | 0.1 psi/ft reasonable |

**Burst**

| | |
|---|---|
| Max anticipated surface pressure: | 3,200 psi |
| Internal gradient: | 0.120 psi/ft |
| Calculated BHP | 3,703 psi |
| Annular backup: | 2.00 ppg |
| | 0.1 psi/ft reasonable |

**Minimum design factors:**

**Collapse:**

| | |
|---|---|
| Design factor | 1.125 |

**Burst:**

| | |
|---|---|
| Design factor | 1.00 |

**Tension:**

| | |
|---|---|
| 8 Round STC: | 1.80 (J) |
| 8 Round LTC: | 1.80 (J) |
| Buttress: | 1.60 (J) |
| Premium: | 1.50 (J) |
| Body yield: | 1.50 (B) |

Tension is based on buoyed weight.
Neutral point: 3,750 ft

**Environment:**

| | |
|---|---|
| H2S considered? | No |
| Surface temperature: | 75 °F |
| Bottom hole temperature: | 134 °F |
| Temperature gradient: | 1.40 °F/100ft |
| Minimum section length: | 500 ft |
| Cement top: | 329 ft |

Completion type is subs

**Directional well information:**

| | |
|---|---|
| Kick-off point | 0 ft |
| Departure at shoe: | 847 ft |
| Maximum dogleg: | 3.5 °/100ft |
| Inclination at shoe: | 0 ° |

**Re subsequent strings:**

| | |
|---|---|
| Next setting depth: | 8,942 ft |
| Next mud weight: | 9.200 ppg |
| Next setting BHP: | 4,273 psi |
| Fracture mud wt: | 19.250 ppg |
| Fracture depth: | 4,192 ft |
| Injection pressure: | 4,192 psi |

| Run Seq | Segment Length (ft) | Size (in) | Nominal Weight (lbs/ft) | Grade | End Finish | True Vert Depth (ft) | Measured Depth (ft) | Drift Diameter (in) | Internal Capacity ($ft^3$) |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 4300 | 9.625 | 36.00 | J-55 | ST&C | 4192 | 4300 | 8.796 | 1866.5 |

| Run Seq | Collapse Load (psi) | Collapse Strength (psi) | Collapse Design Factor | Burst Load (psi) | Burst Strength (psi) | Burst Design Factor | Tension Load (Kips) | Tension Strength (Kips) | Tension Design Factor |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 1481 | 2020 | 1.364 | 3268 | 3520 | 1.08 | 131 | 394 | 3.00 J |

Prepared by: Dustin K. Doucet, Div of Oil,Gas & Minerals
Phone: 801-538-5281
FAX: 801-359-3940
Date: December 27,2007
Salt Lake City, Utah

Remarks:
Collapse is based on a vertical depth of 4192 ft, a mud weight of 8.8 ppg An internal gradient of .104 psi/ft was used for collapse from TD to
Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.
Collapse strength is (biaxially) derated for doglegs in directional wells by multiplying the tensile stress by the cross section area to calculate a

*Engineering responsibility for use of this design will be that of the purchaser.*

**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: ML48771

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT or CA AGREEMENT NAME: LITTLE CANYON UNIT

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

8. WELL NAME and NUMBER: LCU 11-2H

2. NAME OF OPERATOR: XTO ENERGY INC.

9. API NUMBER: 4304736780

3. ADDRESS OF OPERATOR: 382 CR 3100 CITY AZTEC STATE NM ZIP 87410

PHONE NUMBER: (505) 333-3100

10. FIELD AND POOL, OR WILDCAT: NATURAL BUTTES

4. LOCATION OF WELL

FOOTAGES AT SURFACE: 2540' FSL & 1341' FWL

COUNTY: UINTAH

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NESW 2 11S 20E S

STATE: UTAH

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

| TYPE OF SUBMISSION | TYPE OF ACTION | | |
|---|---|---|---|
| ☐ NOTICE OF INTENT (Submit in Duplicate) | ☐ ACIDIZE | ☐ DEEPEN | ☐ REPERFORATE CURRENT FORMATION |
| Approximate date work will start: | ☐ ALTER CASING | ☐ FRACTURE TREAT | ☐ SIDETRACK TO REPAIR WELL |
| | ☐ CASING REPAIR | ☐ NEW CONSTRUCTION | ☐ TEMPORARILY ABANDON |
| | ☐ CHANGE TO PREVIOUS PLANS | ☐ OPERATOR CHANGE | ☐ TUBING REPAIR |
| | ☐ CHANGE TUBING | ☐ PLUG AND ABANDON | ☐ VENT OR FLARE |
| ☑ SUBSEQUENT REPORT (Submit Original Form Only) | ☐ CHANGE WELL NAME | ☐ PLUG BACK | ☐ WATER DISPOSAL |
| Date of work completion: 1/10/2008 | ☐ CHANGE WELL STATUS | ☐ PRODUCTION (START/RESUME) | ☐ WATER SHUT-OFF |
| | ☐ COMMINGLE PRODUCING FORMATIONS | ☐ RECLAMATION OF WELL SITE | ☑ OTHER: MONTHLY REPORTING |
| | ☐ CONVERT WELL TYPE | ☐ RECOMPLETE - DIFFERENT FORMATION | |

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

Attached is XTO Energy's monthly report for the period of 10/05/2007 to 01/10/2008.

NAME (PLEASE PRINT) DOLENA JOHNSON TITLE OFFICE CLERK

SIGNATURE Dolena Johnson DATE 1/15/2008

**(This space for State use only)**

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DIV. OF OIL, GAS & MINING

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

# Farmington Well Workover Report

| LITTLE CANYON UNIT | Well # 11-2H | MV/WSTC |
|---|---|---|

**Objective:** Drill & Complete

**First Report:** 09/21/2007

*1/8/08* Wellview has drlg detail and accumulated cost.

UINTAH

LCU 11-2H
LOCATION : NESW, Sec 2, T11S, R20E
CONTRACTOR: Frontier Drilling, 2

DATE: 12/23/2007
OPERATION: MIRU
DFS: 85.71 Footage Made: Measured Depth:
MW: VISC:
WOB: RPM:
DMC: CMC: DWC: 40,250.00 CWC: 154,659.81
TIME DIST: (24.00) MIRU.

DATE: 12/24/2007
OPERATION: MIRU
DFS: 86.71 Footage Made: Measured Depth:
MW: VISC:
WOB: RPM:
DMC: CMC: DWC: 17,500.00 CWC: 172,159.81
TIME DIST: (24.00) MIRU.

DATE: 12/25/2007
OPERATION: MIRU
DFS: 87.71 Footage Made: Measured Depth:
MW: VISC:
WOB: RPM:
DMC: CMC: DWC: 17,500.00 CWC: 189,659.81
TIME DIST: (24.00) REPAIR BRIDLE LINES.

DATE: 12/26/2007
OPERATION: MIRU
DFS: 88.71 Footage Made: Measured Depth:
MW: VISC:
WOB: RPM:
DMC: CMC: DWC: 17,500.00 CWC: 207,159.81
TIME DIST: (24.00) XMAS.

DATE: 12/27/2007
OPERATION: RU, PU BHA, DRLG CEMENT,DIREC DRLG
DFS: 89.71 Footage Made: 95 Measured Depth: 645
MW: 8.6 VISC: 31
WOB: 35 RPM: 0
DMC: CMC: DWC: 40,250.00 CWC: 247,409.81
TIME DIST: (4.00) RU WATER LINES AND KELLY. (6.00) PU BHA AND DP. (1.00) CHECK MWD. (1.50) RU FLARE LINES. (1.50) TIH. (0.50) DRLG CMT, FLT AND SHOE. (0.50) REPAIR DRESSER SLEEVE. (0.50) DRLG CMT,FLT AND SHOE. (0.50) REPAIR MUD PUMP. (8.00) DIREC DRLG.

DATE: 12/28/2007
OPERATION: DRLG
DFS: 90.71 Footage Made: 396 Measured Depth: 1,041
MW: 8.5 VISC: 31
WOB: 40 RPM: 0
DMC: CMC: DWC: 114,135.00 CWC: 361,544.81
TIME DIST: (4.00) DIREC DRLG TO 700. (4.00) TOOH ADD SHOCK SUB, TIH. (0.50) RIG SERVICE. (2.00) DIREC DRLG TO 768. (5.50) TOOH CLEAN MWD AND CHG MOTOR. (8.00) DIREC DRLG TO 1041.

DATE: 12/29/2007
OPERATION: Drlg @ 1767'
DFS: 91.71 Footage Made: 726 Measured Depth: 1,767
MW: 8.8 VISC: 36
WOB: 40 RPM: 0
DMC: CMC: DWC: 43,705.00 CWC: 405,249.81
TIME DIST: (4.00) Directional Dlrg F/1041' to 1220'.. (0.50) Rig Service.. (1.00) Work on mud pumps.. (1.50) Directional Drlg F/1220' to 1261'.. (1.00) Work on pumps.. (1.00) Directional Drlg F/1261' to 1298'.. (3.00) Work on mud pumps.. (1.50) Check for pressure losses and clean pits.. (10.50) Direrctional Drlg F/1289' to 1767'.

DATE: 12/30/2007
OPERATION: Drlg @ 2654'
DFS: 92.71 Footage Made: 887 Measured Depth: 2,654
MW: 8.7 VISC: 36
WOB: 40 RPM: 0

# HALLIBURTON

# *Cementing Job Summary*

11S 20E 2

*The Road to Excellence Starts with Safety*

| | | | |
|---|---|---|---|
| **Sold To #:** 301599 | **Ship To #:** 2622854 | **Quote #:** | **Sales Order #:** 5603527 |
| **Customer:** XTO ENERGY INC | | **Customer Rep:** Miller, Jim | |
| **Well Name:** LCU | **Well #:** 11-2H | | **API/UWI #:** 43047316780 |
| **Field:** NATURAL BUTTES | **City (SAP):** UNKNOWN | **County/Parish:** Uintah | **State:** Utah |
| **Contractor:** Frontier Drilling | **Rig/Platform Name/Num:** Frontier 2 | | |
| **Job Purpose:** Cement Production Casing | | | |
| **Well Type:** Development Well | **Job Type:** Cement Production Casing | | |
| **Sales Person:** KRUGER, ROBERT | **Srvc Supervisor:** GRIFFIN, SHANE | **MBU ID Emp #:** 245589 | |

## Job Personnel

| HES Emp Name | Exp Hrs | Emp # | HES Emp Name | Exp Hrs | Emp # | HES Emp Name | Exp Hrs | Emp # |
|---|---|---|---|---|---|---|---|---|
| GRIFFIN, SHANE M | 8.0 | 245589 | MORTENSEN, JANEL Marie | 8.0 | 435463 | NEILL, WAYNE John | 8.0 | 419206 |
| RICHMOND, SHANE Allen | 8.0 | 241364 | TRIPP, KENNETH Wayne | 8.0 | 189604 | WALLACE, TYLER | 8.0 | 408055 |

## Equipment

| HES Unit # | *Distance-1 way* | HES Unit # | *Distance-1 way* | HES Unit # | *Distance-1 way* | HES Unit # | *Distance-1 way* |
|---|---|---|---|---|---|---|---|
| 10220541 | 45 mile | 10638382 | 45 mile | 10708077 | 45 mile | 10714600C | 45 mile |
| 10741129 | 45 mile | 10948687 | 45 mile | 7568U | 45 mile | | |

## Job Hours

| Date | *On Location Hours* | Operating Hours | Date | *On Location Hours* | Operating Hours | Date | *On Location Hours* | Operating Hours |
|---|---|---|---|---|---|---|---|---|
| 1-10-08 | 6.5 | 2 | 1-11-08 | 2 | .5 | | | |
| TOTAL | | | *Total is the sum of each column separately* | | | | | |

## Job

| | | | | | |
|---|---|---|---|---|---|
| **Formation Name** | | | | | |
| **Formation Depth (MD)** | **Top** | | **Bottom** | | |
| **Form Type** | | **BHST** | | 165 degF | |
| **Job depth MD** | 9200. ft | **Job Depth TVD** | | 9200. ft | |
| **Water Depth** | | **Wk Ht Above Floor** | | 20. ft | |
| **Perforation Depth (MD)** | *From* | | **To** | | |

## Job Times

| | Date | Time | Time Zone |
|---|---|---|---|
| **Called Out** | 10 - Jan - 2008 | 14:00 | MST |
| **On Location** | 10 - Jan - 2008 | 17:20 | MST |
| **Job Started** | 10 - Jan - 2008 | 22:04 | MST |
| **Job Completed** | 10 - Jan - 2008 | 23:58 | MST |
| **Departed Loc** | 11 - Jan - 2008 | 01:05 | MST |

## Well Data

| *Description* | New / Used | Max pressure psig | Size in | ID in | Weight lbm/ft | Thread | Grade | Top MD ft | Bottom MD ft | Top TVD ft | Bottom TVD ft |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 9 5/8" SURFACE CASING | Used | | 9.625 | 8.921 | 36. | | J-55 | . | 4320. | | |
| 7 7/8" Open Hole | | | | 7.875 | | | | 4320. | 9200. | | |
| 5 1/2" Production | Used | | 5.5 | 4.892 | 17. | | | . | 9200. | | |

## Sales/Rental/3rd Party (HES)

| Description | Qty | Qty uom | Depth | Supplier |
|---|---|---|---|---|
| CLAMP - LIMIT - 5-1/2 - HINGED - | 1 | EA | | |
| CTRZR ASSY,5 1/2 CSG X 7 7/8 HOLE,HINGED | 30 | EA | | |
| SHOE,FLOAT,5 1/2 8RD,2 3/4 SUPER SEAL | 1 | EA | | |
| CLR,FLT,5-1/2 8RD,14-23PPF,2-3/4 | 1 | EA | | |
| KIT,HALL WELD-A | 1 | EA | | |
| PLUG,CMTG,TOP,5 1/2,HWE,4.38 MIN/5.09 MA | 1 | EA | | |

## Tools and Accessories

| Type | Size | Qty | Make | Depth | Type | Size | Qty | Make | Depth | Type | Size | Qty | Make |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Guide Shoe | | | | | Packer | | | | | Top Plug | | | |
| Float Shoe | | | | | Bridge Plug | | | | | Bottom Plug | | | |
| Float Collar | | | | | Retainer | | | | | SSR plug set | | | |
| Insert Float | | | | | | | | | | Plug Container | | | |
| *Stage Tool* | | | | | | | | | | Centralizers | | | |

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DIV. OF OIL, GAS & MINING

# HALLIBURTON

# *Cementing Job Summary*

| Miscellaneous Materials | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Gelling Agt | | Conc | | Surfactant | | Conc | | Acid Type | | Qty | | Conc | % |
| Treatment Fld | | Conc | | Inhibitor | | Conc | | Sand Type | | Size | | Qty | |

**Fluid Data**

**Stage/Plug #: 1**

| Fluid # | Stage Type | Fluid Name | Qty | Qty uom | Mixing Density lbm/gal | Yield ft3/sk | Mix Fluid Gal/sk | Rate bbl/min | Total Mix Fluid Gal/sk |
|---|---|---|---|---|---|---|---|---|---|
| 1 | MUD FLUSH | MUD FLUSH - ZI - SBM (13383) | 20.00 | bbl | 8.4 | .0 | .0 | 5.0 | |
| 2 | 3% KCL Water | | 10.00 | bbl | 8.48 | .0 | .0 | 5.0 | |
| 3 | Lead Cement | HIGHFILL CEMENT - SBM (17579) | 80.0 | sacks | 11.6 | 3.12 | 17.83 | 5.0 | 17.83 |
| | 17.804 Gal | FRESH WATER | | | | | | | |
| 4 | Tail Cement | HALLIBURTON LIGHT PREMIUM PLUS - SBM (14241) | 870.0 | sacks | 13. | 1.75 | 9.06 | 5.0 | 9.06 |
| | 3 % | POTASSIUM CHLORIDE 7% (100001585) | | | | | | | |
| | 1 % | ECONOLITE (100001580) | | | | | | | |
| | 0.6 % | HALAD(R)-322, 50 LB (100003646) | | | | | | | |
| | 0.2 % | HR-5, 50 LB SK (100005050) | | | | | | | |
| | 9.06 Gal | FRESH WATER | | | | | | | |
| 5 | 3% KCL Displacement | | 208.3 | bbl | 8.48 | .0 | .0 | 5.0 | |

| Calculated Values | | Pressures | | Volumes | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Displacement | 215 | Shut In: Instant | | Lost Returns | 0 | Cement Slurry | 315.7 | Pad | |
| Top Of Cement | | 5 Min | | Cement Returns | 0 | Actual Displacement | 215 | Treatment | |
| Frac Gradient | | 15 Min | | Spacers | | Load and Breakdown | | Total Job | |

| Rates | | | | | | | |
|---|---|---|---|---|---|---|---|
| Circulating | | Mixing | | Displacement | | Avg. Job | |

| Cement Left In Pipe | Amount | 44.56 ft | Reason | Shoe Joint |
|---|---|---|---|---|

| Frac Ring # 1 @ | ID | Frac ring # 2 @ | ID | Frac Ring # 3 @ | ID | Frac Ring # 4 @ | ID |
|---|---|---|---|---|---|---|---|
| | | | | | | | |

| The Information Stated Herein Is Correct | Customer Representative Signature |
|---|---|
| | |

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DIV. OF OIL, GAS & MINING

**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: ML48771

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT or CA AGREEMENT NAME: LITTLE CANYON UNIT

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

8. WELL NAME and NUMBER: LCU 11-02H

2. NAME OF OPERATOR: XTO ENERGY INC.

9. API NUMBER: 4304736780

3. ADDRESS OF OPERATOR: 382 CR 3100 CITY AZTEC STATE NM ZIP 87410

PHONE NUMBER: (505) 333-3100

10. FIELD AND POOL, OR WILDCAT: NATURAL BUTTES/WSTCH-MV

4. LOCATION OF WELL

FOOTAGES AT SURFACE: 2540' FSL & 1341' FWL

COUNTY: UINTAH

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NESW 2 11S 20E S

STATE: UTAH

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

| TYPE OF SUBMISSION | TYPE OF ACTION | | |
|---|---|---|---|
| ☐ NOTICE OF INTENT (Submit in Duplicate) | ☐ ACIDIZE | ☐ DEEPEN | ☐ REPERFORATE CURRENT FORMATION |
| Approximate date work will start: | ☐ ALTER CASING | ☐ FRACTURE TREAT | ☐ SIDETRACK TO REPAIR WELL |
| | ☐ CASING REPAIR | ☐ NEW CONSTRUCTION | ☐ TEMPORARILY ABANDON |
| | ☐ CHANGE TO PREVIOUS PLANS | ☐ OPERATOR CHANGE | ☐ TUBING REPAIR |
| | ☐ CHANGE TUBING | ☐ PLUG AND ABANDON | ☐ VENT OR FLARE |
| ☑ SUBSEQUENT REPORT (Submit Original Form Only) | ☐ CHANGE WELL NAME | ☐ PLUG BACK | ☐ WATER DISPOSAL |
| Date of work completion: 1/31/2008 | ☐ CHANGE WELL STATUS | ☐ PRODUCTION (START/RESUME) | ☐ WATER SHUT-OFF |
| | ☐ COMMINGLE PRODUCING FORMATIONS | ☐ RECLAMATION OF WELL SITE | ☑ OTHER: MONTHLY DRILLING REPORT |
| | ☐ CONVERT WELL TYPE | ☐ RECOMPLETE - DIFFERENT FORMATION | |

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

Attached is XTO Energy's monthly report for the period of 01/01/2008 to 01/31/2008.

NAME (PLEASE PRINT) DOLENA JOHNSON TITLE OFFICE CLERK

SIGNATURE Dolena C Johnson DATE 2/5/2008

(This space for State use only)

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

**UINTAH**

**LCU 11-2H**

LOCATION : NESW, Sec 2, T11S, R20E
CONTRACTOR: Frontier Drilling, 2

**DATE:** 1/1/2008
**OPERATION:** Drlg @ 3920
**DFS:** 94.71 **Footage Made:** 504 **Measured Depth:** 3,920
**MW:** 9.3 **VISC:** 36
**WOB:** 40 **RPM:** 0
**DMC:** **CMC:** **DWC:** 43,185.00 **CWC:** 537,244.81
**TIME DIST:** (8.50) Directional Drlg F/3416' to 3638'.. (0.50) Rig Service.. (9.00) Directional Drlg F/3638' to 3844'.. (1.00) Work on pumps.. (5.00) Directional Drlg F/3844' to 3920'..

**DATE:** 1/2/2008
**OPERATION:** Circ @ 4320
**DFS:** 95.71 **Footage Made:** 400 **Measured Depth:** 4,320
**MW:** 9.3 **VISC:** 36
**WOB:** 40 **RPM:** 0
**DMC:** **CMC:** **DWC:** 43,065.00 **CWC:** 580,309.81
**TIME DIST:** (6.50) Directional Drlg F/3920' to 4019'.. (0.50) Rig Service. (15.00) Directional Drlg F/4019' to 4320'.. (2.00) Circ Sweep..

**DATE:** 1/3/2008
**OPERATION:** Nipple Up BOP's
**DFS:** 96.71 **Footage Made:** 0 **Measured Depth:** 4,320
**MW:** 9.3 **VISC:** 37
**WOB:** **RPM:**
**DMC:** **CMC:** **DWC:** 180,657.00 **CWC:** 760,966.81
**TIME DIST:** (5.50) TOOH LD Drill Collars.. (8.50) Run 9 5/8" Casing.. (1.00) Circulate.. (4.00) Cement 9 5/8" Casing To Surface.. (5.00) NU BOP's..

**DATE:** 1/4/2008
**OPERATION:** Drilling Ahead F/ 4465' KB @ 84.00 ft/hr.
**DFS:** 97.71 **Footage Made:** 210 **Measured Depth:** 4,465
**MW:** 8.5 **VISC:** 26
**WOB:** 21 **RPM:** 47
**DMC:** **CMC:** **DWC:** 33,111.00 **CWC:** 794,077.81
**TIME DIST:** (4.50) NU BOP's.. (9.50) BOP Test 5000 psi high & 250 psi low.. (5.00) Install Wear Bushing. PU BHA. Tag Cmt @ 4255'.. (2.00) Drill Cmt & float Equipment.. (0.50) Drld 19' @ 38.00 ft/hr.. (1.00) Deviation Survey @ 4258' 1.09 Degrees.. (1.50) Drld 126' @ 84.00 ft/hr..

**DATE:** 1/5/2008
**OPERATION:** Drilling Ahead F/ 6113' KB @ 71.65 ft/hr.
**DFS:** 98.71 **Footage Made:** 1,648 **Measured Depth:** 6,113
**MW:** 8.5 **VISC:** 26
**WOB:** 18 **RPM:** 47
**DMC:** **CMC:** **DWC:** 39,930.00 **CWC:** 834,007.81
**TIME DIST:** (8.50) Drld 634' @ 74.59 ft/hr.. (0.50) Deviation Survey @ 5020' 1.58 Degrees. Service Rig.. (14.50) Drld 1014' @ 69.93 ft/hr.. (0.50) Deviation Survey @ 6032' 1.67 Degrees..

**DATE:** 1/6/2008
**OPERATION:** Drilling Ahead F/ 7215' KB @ 39.67 ft/hr.
**DFS:** 99.71 **Footage Made:** 1,102 **Measured Depth:** 7,215
**MW:** 8.9 **VISC:** 27
**WOB:** 18 **RPM:** 47
**DMC:** **CMC:** **DWC:** 40,375.00 **CWC:** 874,382.81
**TIME DIST:** (10.00) Drld 539' @ 53.90 ft/hr.. (0.50) Service Rig.. (10.00) Drld 444' @ 44.40 ft/hr.. (0.50) Deviation Survey @ 7015' 1.43 Degrees.. (3.00) Drld 119' @ 39.67 ft/hr..

**DATE:** 1/7/2008
**OPERATION:** Drilling Ahead F/ 8109' @ 42.12 ft/hr.
**DFS:** 100.71 **Footage Made:** 894 **Measured Depth:** 8,109
**MW:** 9.1 **VISC:** 29
**WOB:** 18 **RPM:** 47
**DMC:** **CMC:** **DWC:** 40,969.00 **CWC:** 915,351.81
**TIME DIST:** (6.00) Drld 199' @ 33.17 ft/hr.. (0.50) Service Rig.. (16.50) Drld 695' @ 42.12 ft/hr.. (1.00) Deviation Survey @ 8028' 1.55 Degrees..

**DATE:** 1/8/2008

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| **OPERATION:** | DRLG | | | | | | |
| **DFS:** | 101.71 | **Footage Made:** | 781 | **Measured Depth:** | 8,890 | | |
| **MW:** | 9.2 | **VISC:** | 31 | | | | |
| **WOB:** | 25 | **RPM:** | 47 | | | | |
| **DMC:** | | **CMC:** | | **DWC:** | 41,019.00 | **CWC:** | 956,370.81 |
| **TIME DIST:** | (10.00) DRLG TO 8490. (0.50) RIG SERVICE. (13.50) DRLG TO 8890. | | | | | | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| **DATE:** | 1/9/2008 | | | | | | |
| **OPERATION:** | DRLG | | | | | | |
| **DFS:** | 102.71 | **Footage Made:** | 226 | **Measured Depth:** | 9,116 | | |
| **MW:** | 9.6 | **VISC:** | 36 | | | | |
| **WOB:** | 20 | **RPM:** | 50 | | | | |
| **DMC:** | | **CMC:** | | **DWC:** | 33,564.00 | **CWC:** | 989,934.81 |
| **TIME DIST:** | (4.00) DRLG TO 8965. (0.50) CIRC. (8.00) TOOH WET. (1.50) TIH. (1.00) CUT DRLG LINE. (4.50) TIH. (4.50) DRLG TO 9116. | | | | | | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| **DATE:** | 1/10/2008 | | | | | | |
| **OPERATION:** | DRLG | | | | | | |
| **DFS:** | 103.71 | **Footage Made:** | 158 | **Measured Depth:** | 9,274 | | |
| **MW:** | 9.6 | **VISC:** | 36 | | | | |
| **WOB:** | 20 | **RPM:** | 50 | | | | |
| **DMC:** | | **CMC:** | | **DWC:** | 60,296.95 | **CWC:** | 1,050,231.76 |
| **TIME DIST:** | (5.00) DRLG TO 9274. (3.00) CIRC AND COND. (4.00) TOOH F/LOGS. (8.00) LOGGING. (4.00) TIH TO LD DP. | | | | | | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| **DATE:** | 1/11/2008 | | | | | | |
| **OPERATION:** | DRLG | | | | | | |
| **DFS:** | 104.71 | **Footage Made:** | 0 | **Measured Depth:** | 9,274 | | |
| **MW:** | | **VISC:** | | | | | |
| **WOB:** | | **RPM:** | | | | | |
| **DMC:** | | **CMC:** | | **DWC:** | 68,516.32 | **CWC:** | 1,118,748.08 |
| **TIME DIST:** | (1.00) CIRC. (6.00) LD DP AND BHA. (5.00) RUN CSG, HIT BRIDGE WASH NO MOVEMENT RD CSG. (3.50) CIRC CSG, NO MOVEMENT. (3.00) CEMENT CSG. (2.50) ND SET SLIPS, CLEAn pits. (3.00) RIG DOWN. | | | | | | |

# Farmington Well Workover Report

| LITTLE CANYON UNIT | Well # 011-02H | MV/WSTC |
|---|---|---|

**Objective:** Drill & Complete

**First Report:** 09/21/2007

***1/8/08*** Wellview has drlg detail and accumulated cost.

***1/31/08*** Std clearing 650' of ROW. SDFN.

**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: ML-48771

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT or CA AGREEMENT NAME: LITTLE CANYON UNIT

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

8. WELL NAME and NUMBER: LCU 11-2H

2. NAME OF OPERATOR: XTO ENERGY INC.

9. API NUMBER: 4304736780

3. ADDRESS OF OPERATOR: 382 CR 3100 CITY AZTEC STATE NM ZIP 87410

PHONE NUMBER: (505) 333-3100

10. FIELD AND POOL, OR WILDCAT: NATURAL BUTTES/WSTCH-MV

4. LOCATION OF WELL

FOOTAGES AT SURFACE: 2540' FSL & 1341' FWL

COUNTY: UINTAH

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NESW 2 11S 20E S

STATE: UTAH

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

| TYPE OF SUBMISSION | TYPE OF ACTION | | |
|---|---|---|---|
| ☐ NOTICE OF INTENT (Submit in Duplicate) | ☐ ACIDIZE | ☐ DEEPEN | ☐ REPERFORATE CURRENT FORMATION |
| Approximate date work will start: | ☐ ALTER CASING | ☐ FRACTURE TREAT | ☐ SIDETRACK TO REPAIR WELL |
| | ☐ CASING REPAIR | ☐ NEW CONSTRUCTION | ☐ TEMPORARILY ABANDON |
| | ☐ CHANGE TO PREVIOUS PLANS | ☐ OPERATOR CHANGE | ☐ TUBING REPAIR |
| | ☐ CHANGE TUBING | ☐ PLUG AND ABANDON | ☐ VENT OR FLARE |
| ☑ SUBSEQUENT REPORT (Submit Original Form Only) | ☐ CHANGE WELL NAME | ☐ PLUG BACK | ☐ WATER DISPOSAL |
| Date of work completion: 2/29/2008 | ☐ CHANGE WELL STATUS | ☐ PRODUCTION (START/RESUME) | ☐ WATER SHUT-OFF |
| | ☐ COMMINGLE PRODUCING FORMATIONS | ☐ RECLAMATION OF WELL SITE | ☑ OTHER: FEB'08 MONTHLY REPORTING |
| | ☐ CONVERT WELL TYPE | ☐ RECOMPLETE - DIFFERENT FORMATION | |

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

Attached is XTO Energy's monthly report for the period of 02/01/2008 through 02/29/2008.

NAME (PLEASE PRINT) DOLENA JOHNSON TITLE OFFICE CLERK

SIGNATURE Dolena Johnson DATE 3/1/2008

(This space for State use only)

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DIV. OF OIL, GAS & MINING

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

# Farmington Well Workover Report

| LITTLE CANYON UNIT | Well # 011-02H | MV/WSTC |
|---|---|---|

**Objective:** Drill & Complete

**First Report:** 09/21/2007

| | |
|---|---|
| ***2/1/08*** | Cont clearing 1,520' of ROW. SDFN. |
| ***2/2/08*** | Cont clearing an add'l 730' of ROW. Std stringing out 300', trenching 340 for inst of 6" .188W X52 gas line. SDFWE. |
| ***2/7/08*** | Cont stringing out 3,000', trenching 1,570' for inst of 6" .188W X52 gas line. SDFN. |
| ***2/11/08*** | Std welding 1,640' of 6" .188 X 52 steel gas line. Std hauling out & stringing out 104' of 6" .188 X 52 steel gas line on ROW. Compl 66-6" welds. SDFWE. |
| ***2/12/08*** | Compl x-raying12-6" welds. Compl inst of 350 sand bags in trench. SDFN. |
| ***2/13/08*** | Std inst of 6" shrink sleeves of1,120' on 6" .188 W X52 steel gas line. SDFN. |
| ***2/14/08*** | SDWO crew sched for 2/15/08. |
| ***2/16/08*** | Std inst of 2,800' of shrink sleeves of the 6" .188W X52 steel gas line. Std lowering in 360' of 6" .188W X52 steel gas line. Compl pre-fab of 6" tie ins to the 3" mtr run. Compl 17-6" & 10-4"welds. Compl x-ray of 7-6" welds. SDFWE. |
| ***2/19/08*** | Compl inst 2-6" weld t's. Compl inst risers on t's. Compl bolted up vlvs & bd on risers. Compl 2-6" welds. Compl x-ray of 12-6" welds. SDFN. |
| ***2/20/08*** | Compl 2-6" tie in welds. Compl x-ray of 2-6" welds. Compl lowering in 2,580' of the 6" .188W X52 FB welded steel gas line. SDFN. |
| ***2/21/08*** | Compl tying in 2 road x-ings. Compl 7-6" tie in welds. Compl x-ray of 8-6" welds. SDFN. |
| ***2/22/08*** | Compl tying in 1 road x-ings. Compl 5-6" tie in welds. Compl 2-4" fab welds for 4" riser for mtr runs conn. Compl x-ray of 3-6" welds. SDFN. |
| ***2/23/08*** | Compl 5-6" tie in welds. Compl tie in of 6" .188 X52 steel gas line for 4" futures. Compl backfilling 1,150 of 6" .188 X52 steel gas line. Compl x-ray of 7-6" welds & 2-4" welds. SDFWE. |
| ***2/26/08*** | Compl 7-6" tie in welds. Compl backfilling 1,200 of 6" .188 X52 steel gas line. Compl x-ray of 4-6" welds. SDFN. |
| ***2/27/08*** | Compl x-ray of 4-6" welds. SDFN. |

FORM 9

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

5. LEASE DESIGNATION AND SERIAL NUMBER: ML-48771

# SUNDRY NOTICES AND REPORTS ON WELLS

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

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

7. UNIT or CA AGREEMENT NAME: LITTLE CANYON UNIT

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

8. WELL NAME and NUMBER: LCU 11-2H

2. NAME OF OPERATOR: XTO ENERGY INC.

9. API NUMBER: 4304736780

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PHONE NUMBER: (505) 333-3100

10. FIELD AND POOL, OR WILDCAT: NATURAL BUTTES/WSTCH-MV

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FOOTAGES AT SURFACE: 2540' FSL & 1341' FWL

COUNTY: UINTAH

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NESW 2 11S 20E S

STATE: UTAH

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| | ☐ CHANGE TUBING | ☐ PLUG AND ABANDON | ☐ VENT OR FLARE |
| ☑ SUBSEQUENT REPORT (Submit Original Form Only) | ☐ CHANGE WELL NAME | ☐ PLUG BACK | ☐ WATER DISPOSAL |
| Date of work completion: 3/31/2008 | ☐ CHANGE WELL STATUS | ☐ PRODUCTION (START/RESUME) | ☐ WATER SHUT-OFF |
| | ☐ COMMINGLE PRODUCING FORMATIONS | ☐ RECLAMATION OF WELL SITE | ☑ OTHER: MARCH MONTHLY REPORT |
| | ☐ CONVERT WELL TYPE | ☐ RECOMPLETE - DIFFERENT FORMATION | |

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

Attached is XTO Energy's monthly report for the period of 03/01/2008 thru 03/31/2008.

NAME (PLEASE PRINT) DOLENA JOHNSON TITLE OFFICE CLERK

SIGNATURE Dolena C Johnson DATE 4/3/2008

(This space for State use only)

RECEIVED
APR 09 2008
DIV. OF OIL, GAS & MINING

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

# Farmington Well Workover Report

| LITTLE CANYON UNIT | Well # 011-02H | MV/WSTC |
|---|---|---|

**Objective:** Drill & Complete

**First Report:** 09/21/2007

***3/1/08*** Std backfilling & clean up of 1,000' of ROW. Std pre fab 6" & 8" .188 W X 52 steel gas line for 20 " tie in. Compl 3-8" & 3-6" welds. SDFWE

***3/4/08*** SDWO crew.

***3/5/08*** SDWO crew sched for week of 3/10/08.

***3/6/08*** Std bldg bypass for weld conn to exist 6" .188 W X 52 surface line. Compl 12-4" & 1-6" welds. SDWO PT sched for 3/6/08.

***3/7/08*** Compl bldg bypass for weld conn to exist 6" .188 W X 52 surface line. Std tying in 3" spool piece between riser & mtr run. Compl bolting up. Compl 4-3" welds. Compl PT for 8 hrs @ 865 psig. PT good. FR for Drill & Compl.

***3/18/08*** Rpt for AFE # 715196 to D&C. MI build pads for sep/dehy combo unit, tk & mtr. Set 12' x 15' US Tank O tk (SN 0003) w/250K htr & 12' x 15' US Tank wtr tk (SN 0004) w/250k htr. Set 3 ph Pessco sep/dehy combo unit w/pre htr w/250k heater & 16" X 8'4" sep (SN 206706) & 16" x 14' absorber tower (SN 102425) & dehy w/125k htr . Build pad & set 3" sales mtr run w/Daniels Simplex w/600 psi flgs. Run 2" sch 80 TBE bare pipe fr/WH to combo unit & fr/combo unit to prod tk. Run 2" ln fr/combo unit to sales mtr. Run 1/2" steel tbg for heat tr to tk & WH. Inst tk containment ring 44" x 52' x 16 ga painted Carlsbad Tan. Ins & tin flw ln & tk ln. Susp rept pending further activity.

***3/26/08*** SICP 0 psig. MIRU WLU. RIH w/3-3/8" csg gun loaded w/Owen SDP-3125-411NT4, 21 gm chrgs, 120 deg phasing, 0.35" EHD, 34.24" pene. Perf stage #1 MV intvs 9050' - 9053', 9064' - 9066', 9093' - 9096', 9114' - 9116' & 9121'-9123' w/3-3/8" csg gun, 3 JSPF, 36 ttl holes. POH & LD perf gun. RDMO WLU. SWI & SDFN.

***3/28/08*** Contd rpt for AFE # 715196 to D&C. SICP psig. MIRU Schlumberger. MIRU Schlumberger Frac equip. PT surf lines to 7500 psig. BD MV perfs fr/9,050' - 9,123' @ 4,717 psig. Ppd 23 bbls 15% HCl @ 10 BPM, dropd 1 Bio BS/0.5 bbl, 54 ttl BS. Incr IR to 42 BPM w/ttl of 195 bbls. Dropd rate to 10 BPM & ball off @ 227 bbls ttl ac ppd & 5600 psig. Surge back press @ 4 BPM/ 2", 2x's. Recd 16 bls ttl. SWI & SDFN Due to Schlumberger mech. BD.

***3/29/08*** SICP 2150 psig. MIRU Perf O Log. MIRU Schlumberger Frac equip. PT surf lines to 7500 psig. BD perfs @ 4717 psig. Ppd 23 bbls 15% HCl ac @ 10 BPM & dropd 1 Bio BS/0.5 bbl ac, 54 ttl BS. Incr IR to 42 BPM w/ttl of 195 bbls. Dropd rate to 10 BPM & ball off @ 227 bbls ttl ac ppd & 5600 psig. Surge back press @ 4 BPM/ 2", 2x's. Recd 16 bls ttl. SWI 10". OWU & Frac MV zone #1 perfs fr/9050' - 9123', dwn 5-1/2" csg w/70Q CO2 foamed WF145CO2 fld, w/32,846 gals 2% KCl wtr carrying 84,500 lbs 20/40 Tempered LC sd & 49,500 lbs 20/40 Super LC sd. Max sd conc 4.3 ppg, ISIP 4873 psig, 5" SIP 4800 psig, ATP 5423 psig. 0.97 frac grad. Used 213 Tons CO2, 928 BLWTR (stg 1). RIH & set 5-1/2" 8k CBP @ 9000'. PT plg to 6,000 psig, gd tst. RIH w/3-1/8" csg guns loaded w/Owen SDP-3125-411NT4, 21 gm chrgs. Perf stage 2 MV intv fr/ 8832' - 35', 8883' - 86', 8926' - 28' & 8971' - 74' w/3 SPF (120 deg phasing, 0.35" EHD, 34.24" pene., 33 holes). BD perfs @ 3264 psig. Ppd 23 bbls 15% HCl ac @ 10 BPM & dropd 1 Bio BS/0.5 bbl, 50 ttl BS. Incr IR to 42 BPM w/ttl of 190 bbls. Dropd rate to 10 BPM & ball off @ 220 bbls ttl ac ppd & 5488 psig. Surge back press @ 4 BPM/ 2", 2x's. Recd 16 bls ttl. SWI 10". OWU & Frac MV zone #2 perfs fr/8832' - 8974' dwn 5-1/2" csg w/70Q CO2 foamed WF1450CO2 fld, w/39,765 gals 2% KCl wtr carrying 71,500 lbs 20/40 Tempered LC sd & 47,200 lbs 20/40 Super LC sd. Max sd conc 4.4 ppg, ISIP 3722 psig, 5" SIP 3695 psig, ATP 4556 psig. 0.86 frac grad. Used 178 Tons CO2, 1077 BLWTR (stg 2). RIH & set 5-1/2" 8k CBP @ 8770'. PT plg to 6,000 psig, gd tst. RIH w/3-1/8" csg guns loaded w/Owen SDP-3125-411NT4, 21 gm chrgs. Perf stage 3 MV intv fr/8419' - 22', 8434' - 37' & 8740' - 43' w/3 SPF (120 deg phasing, 0.35" EHD, 34.24" pene., 27 holes). BD perfs @ 4150 psig & EIR of 8 BPM w/25 bbls treated 2% KCl wtr. 2477 BLWTR.

**UINTAH**

**LITTLE CANYON UNIT 11-2H**

| | |
|---|---|
| LOCATION : | Congressional |
| CONTRACTOR: | |
| WI %: | |
| AFE#: | 715196 |
| API#: | 43047367800000 |
| DATE FIRST RPT: | 3/25/2008 |

| | | | | | | |
|---|---|---|---|---|---|---|
| **DATE:** | 3/25/2008 | | | | | |
| **OPERATION:** | | | | | | |
| **DFS:** | 90.67 | **Footage Made:** | **Measured Depth:** | | | |
| **MW:** | | **VISC:** | | | | |
| **WOB:** | | **RPM:** | | | | |
| **DMC:** | | **CMC:** | **DWC:** | 7,200.00 | **CWC:** | 7,200.00 |

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

FORM 9

# SUNDRY NOTICES AND REPORTS ON WELLS

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10. FIELD AND POOL, OR WILDCAT: NATURAL BUTTES/WSTCH-MV

1. TYPE OF WELL: OIL WELL ☐ GAS WELL ☑ OTHER
2. NAME OF OPERATOR: XTO ENERGY INC.
3. ADDRESS OF OPERATOR: 382 CR 3100 CITY AZTEC STATE NM ZIP 87410 PHONE NUMBER: (505) 333-3100
4. LOCATION OF WELL
FOOTAGES AT SURFACE: 2540' FSL & 1341' FWL COUNTY: UINTAH
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NESW 2 11S 20E S STATE: UTAH

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

| TYPE OF SUBMISSION | TYPE OF ACTION | | |
|---|---|---|---|
| ☐ NOTICE OF INTENT (Submit in Duplicate) | ☐ ACIDIZE | ☐ DEEPEN | ☐ REPERFORATE CURRENT FORMATION |
| Approximate date work will start: | ☐ ALTER CASING | ☐ FRACTURE TREAT | ☐ SIDETRACK TO REPAIR WELL |
| | ☐ CASING REPAIR | ☐ NEW CONSTRUCTION | ☐ TEMPORARILY ABANDON |
| | ☐ CHANGE TO PREVIOUS PLANS | ☐ OPERATOR CHANGE | ☐ TUBING REPAIR |
| | ☐ CHANGE TUBING | ☐ PLUG AND ABANDON | ☐ VENT OR FLARE |
| ☑ SUBSEQUENT REPORT (Submit Original Form Only) | ☐ CHANGE WELL NAME | ☐ PLUG BACK | ☐ WATER DISPOSAL |
| Date of work completion: 4/23/2008 | ☐ CHANGE WELL STATUS | ☐ PRODUCTION (START/RESUME) | ☐ WATER SHUT-OFF |
| | ☐ COMMINGLE PRODUCING FORMATIONS | ☐ RECLAMATION OF WELL SITE | ☑ OTHER: 1ST DELIVERY |
| | ☐ CONVERT WELL TYPE | ☐ RECOMPLETE - DIFFERENT FORMATION | |

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

XTO Energy Inc. 1st Delivered this well to Questar Gas Management through the Waynes CK CDP @ 3:20 pm on Wednesday, 04/23/2008. IFR of 1,100 MCFPD.

RECEIVED
APR 29 2008
DIV. OF OIL, GAS & MINING

NAME (PLEASE PRINT) DOLENA JOHNSON TITLE OFFICE CLERK
SIGNATURE Dolena C Johnson DATE 4/24/2008

(This space for State use only)

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

**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: ML-48771

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT or CA AGREEMENT NAME: LITTLE CANYON UNIT

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

8. WELL NAME and NUMBER: LCU 11-2H

2. NAME OF OPERATOR: XTO ENERGY INC.

9. API NUMBER: 4304736780

3. ADDRESS OF OPERATOR: 382 CR 3100 CITY AZTEC STATE NM ZIP 87410

PHONE NUMBER: (505) 333-3100

10. FIELD AND POOL, OR WILDCAT: NATURAL BUTTES/WSTCH-MV

4. LOCATION OF WELL

FOOTAGES AT SURFACE: 2540' FSL & 1341' FWL

COUNTY: UINTAH

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NESW 2 11S 20E S

STATE: UTAH

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

| TYPE OF SUBMISSION | TYPE OF ACTION | | |
|---|---|---|---|
| ☐ NOTICE OF INTENT (Submit in Duplicate) | ☐ ACIDIZE | ☐ DEEPEN | ☐ REPERFORATE CURRENT FORMATION |
| Approximate date work will start: | ☐ ALTER CASING | ☐ FRACTURE TREAT | ☐ SIDETRACK TO REPAIR WELL |
| | ☐ CASING REPAIR | ☐ NEW CONSTRUCTION | ☐ TEMPORARILY ABANDON |
| | ☐ CHANGE TO PREVIOUS PLANS | ☐ OPERATOR CHANGE | ☐ TUBING REPAIR |
| | ☐ CHANGE TUBING | ☐ PLUG AND ABANDON | ☐ VENT OR FLARE |
| ☑ SUBSEQUENT REPORT (Submit Original Form Only) | ☐ CHANGE WELL NAME | ☐ PLUG BACK | ☐ WATER DISPOSAL |
| Date of work completion: 4/30/2008 | ☐ CHANGE WELL STATUS | ☐ PRODUCTION (START/RESUME) | ☐ WATER SHUT-OFF |
| | ☐ COMMINGLE PRODUCING FORMATIONS | ☐ RECLAMATION OF WELL SITE | ☑ OTHER: APRIL MONTHLY REPORT |
| | ☐ CONVERT WELL TYPE | ☐ RECOMPLETE - DIFFERENT FORMATION | |

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

Attached is XTO Energy's monthly report for the period of 04/01/2008 thru 04/30/2008.

NAME (PLEASE PRINT) JENNIFER HEMBRY TITLE FILE CLERK

SIGNATURE Jennifer Hembry DATE 5/2/2008

(This space for State use only)

RECEIVED
MAY 08 2008
DIV. OF OIL, GAS & MINING

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

# Farmington Well Workover Report

| LITTLE CANYON UNIT | Well # 011-02H | MV/WSTC |
|---|---|---|

**Objective:** Drill & Complete

**First Report:** 09/21/2007

***4/1/08*** SICP 1200 psig. OWU & BD stg 3 perfs @ 4150 psig. Ppd 23 bbls 15% HCL @ 10 BPM, dropd 1 Bio BS/0.5 bbl, 40 ttl BS. Incr IR to 42 BPM w/ttl of 190 bbls. Dropd rate to 10 BPM & ball off perfs @ 220 bbls ttl ac ppd & 5500 psig. Surge back press @ 4 BPM/ 2", 2x's. Recd 16 bbls ttl. SWI 10". OWU & Frac MV zone #3 perfs fr/8419' - 8743', dwn 5-1/2" csg w/70Q CO2 foamed WF145CO2 fld, w/34,140 gals 2% KCl wtr carrying 52,000 lbs 20/40 Tempered LC sd & 28,600 lbs 20/40 Super LC sd. Max sd conc 4.3 ppg, ISIP 3520 psig, 5" SIP 3500 psig, ATP 4296 psig. 0.87 frac grad. Used 138 Tons CO2, 901 BLWTR (stg 3). RIH & set 5-1/2" 8k CBP @ 8300'. PT plg to 6,000 psig, gd tst. RIH w/3-1/8" csg guns loaded w/Owen SDP-3125-411NT4, 21 gm chrgs. Perf stage 4 MV intv fr/ 8030' - 33', 8153' - 55', 8237' - 39' & 8264' - 67' w/3 SPF (120 deg phasing, 0.35" EHD, 34.24" pene., 30 holes). BD perfs @ 6300 psig. Ppd 23 bbls 15% HCL ac @ 10 BPM, dropd 1 Bio BS/0.5 bbl, 45 ttl BS. Incr IR to 42 BPM w/ttl of 200 bbls. Dropd rate to 10 BPM & ball off perfs @ 206 bbls ttl ac ppd & 5600 psig. Surge back press @ 4 BPM/ 2", 2x's. Recd 16 bls ttl. SWI 10". OWU & Frac MV zone #4 perfs fr/8030' - 8267', dwn 5-1/2" csg w/70Q CO2 foamed WF145CO2 fld, w/32,227 gals 2% KCl wtr carrying 50,000 lbs 20/40 Tempered LC sd & 25,570 lbs 20/40 Super LC sd. Max sd conc 4.3 ppg, ISIP 3480 psig, 5" SIP 3425 psig, ATP 4818 psig. 0.87 frac grad. Used 132 Tons CO2, 850 BLWTR (stg 4). RIH & set 5-1/2" 8k CBP @ 7770'. PT plg to 6,000 psig. RIH w/3-1/8" csg guns loaded w/Owen SDP-3125-411NT4, 21 gm chrgs. Perf stage 5 MV intv fr/7622' - 26' & 7685' - 89' w/3 SPF (120 deg phasing, 0.35" EHD, 34.24" pene., 24 holes). SWI & SDFN. 4654 BLWTR ttl.

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***4/3/08*** SICP 1200 psig. OWU & BD stg 3 perfs @ 4150 psig. Ppd 23 bbls 15% HCL @ 10 BPM, dropd 1 Bio BS/0.5 bbl, 40 ttl BS. Incr IR to 42 BPM w/ttl of 190 bbls. Dropd rate to 10 BPM & ball off perfs @ 220 bbls ttl ac ppd & 5500 psig. Surge back press @ 4 BPM/ 2", 2x's. Recd 16 bbls ttl. SWI 10". OWU & Frac MV zone #3 perfs fr/8419' - 8743', dwn 5-1/2" csg w/70Q CO2 foamed WF145CO2 fld, w/34,140 gals 2% KCl wtr carrying 52,000 lbs 20/40 Tempered LC sd & 28,600 lbs 20/40 Super LC sd. Max sd conc 4.3 ppg, ISIP 3520 psig, 5" SIP 3500 psig, ATP 4296 psig. 0.87 frac grad. Used 138 Tons CO2, 901 BLWTR (stg 3). RIH & set 5-1/2" 8k CBP @ 8300'. PT plg to 6,000 psig, gd tst. RIH w/3-1/8" csg guns loaded w/Owen SDP-3125-411NT4, 21 gm chrgs. Perf stage 4 MV intv fr/ 8030' - 33', 8153' - 55', 8237' - 39' & 8264' - 67' w/3 SPF (120 deg phasing, 0.35" EHD, 34.24" pene., 30 holes). BD perfs @ 6300 psig. Ppd 23 bbls 15% HCL ac @ 10 BPM, dropd 1 Bio BS/0.5 bbl, 45 ttl BS. Incr IR to 42 BPM w/ttl of 200 bbls. Dropd rate to 10 BPM & ball off perfs @ 206 bbls ttl ac ppd & 5600 psig. Surge back press @ 4 BPM/ 2", 2x's. Recd 16 bls ttl. SWI 10". OWU & Frac MV zone #4 perfs fr/8030' - 8267', dwn 5-1/2" csg w/70Q CO2 foamed WF145CO2 fld, w/32,227 gals 2% KCl wtr carrying 50,000 lbs 20/40 Tempered LC sd & 25,570 lbs 20/40 Super LC sd. Max sd conc 4.3 ppg, ISIP 3480 psig, 5" SIP 3425 psig, ATP 4818 psig. 0.87 frac grad. Used 132 Tons CO2, 850 BLWTR (stg 4). RIH & set 5-1/2" 8k CBP @ 7770'. PT plg to 6,000 psig. RIH w/3-1/8" csg guns loaded w/Owen SDP-3125-411NT4, 21 gm chrgs. Perf stage 5 MV intv fr/7622' - 26' & 7685' - 89' w/3 SPF (120 deg phasing, 0.35" EHD, 34.24" pene., 24 holes). SWI & SDFN. 4654 BLWTR ttl.

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***4/4/08*** SICP 1650 psig. MIRU CTU. PT surf lines & CT to 5K, tstd gd. OWU & TIH w/4.50" PDC bit, mud mtr & 2" CT. Tgd & CO sd fr/ 6067' -6145'. Tgd & DO 5K CBP @ 6145' (44"). Contd TIH. Tgd & CO sd fr/7732' - 7761'. DO 8K CBP @ 7761' (30"). Circ cln & TIH. Tgd & CO sd fr/8262' - 8285'. DO 8k CBP @ 8285' (22"). Contd TIH, tgd & CO sd fr/8713' - 8756'. Tag CBP @ 8756'. TOH w/CT & BHA. SDFN w/well flwg to tst tnk. Ppd 720 BW while circ for day. Recd 1890 BLWTR, 18-32/64" ck., 24hrs. 4916 BLWTR ttl.

*Flow*

**Zone:** MV

**Event Desc:** Flow Back **Top Interval:** 6,093 **Bottom Interval:** 9,123

| Time | Avg Press | Choke Size | BBLS Rec | Comments |
|---|---|---|---|---|
| 6:00:00 AM | 1,300 | | 0 | Shut in. |
| 7:00:00 AM | 1,300 | | 0 | Shut in. |
| 8:00:00 AM | 1,300 | | 0 | Shut in. |
| 9:00:00 AM | 1,300 | | 0 | Shut in. |
| 10:00:00 AM | 1,300 | | 0 | Shut in. |
| 11:00:00 AM | 1,300 | 32/64 | 0 | 11:15 opened well on 32/64 choke. |
| 12:00:00 PM | 1,150 | 32/64 | 130 | Flowing to pit. |
| 1:00:00 PM | 2,425 | 32/64 | 155 | Flowing to pit. |
| 2:00:00 PM | 2,175 | 32/64 | 140 | Flowing to pit. |
| 3:00:00 PM | 2,150 | 32/64 | 140 | Flowing to pit. |
| 4:00:00 PM | 2,350 | 32/64 | 210 | Flowing to pit. |

| | | | | |
|---|---|---|---|---|
| 5:00:00 PM | 2,100 | 18/64 | 190 | 17:00 changed chocke to 18/64. |
| 6:00:00 PM | 2,100 | 18/64 | 100 | Flowing to pit. |
| 7:00:00 PM | 2,000 | 18/64 | 95 | Flowing to pit. |
| 8:00:00 PM | 1,900 | 18/64 | 90 | Flowing to pit. |
| 9:00:00 PM | 1,750 | 18/64 | 90 | Flowing to pit. |
| 10:00:00 PM | 1,625 | 18/64 | 80 | Flowing to pit. |
| 11:00:00 PM | 1,625 | 18/64 | 75 | Flowing to pit. |
| 12:00:00 AM | 1,625 | 18/64 | 70 | Flowing to pit. |
| 1:00:00 AM | 1,675 | 18/64 | 70 | Flowing to pit. |
| 2:00:00 AM | 1,650 | 18/64 | 65 | Flowing to pit. |
| 3:00:00 AM | 1,600 | 18/64 | 60 | Flowing to pit. |
| 4:00:00 AM | 1,600 | 18/64 | 50 | Flowing to pit. |
| 5:00:00 AM | 1,600 | 18/64 | 40 | Flowing to pit. |
| 6:00:00 AM | 1,600 | 18/64 | 40 | Flowing to pit. |
| | | **Ttl Bbls:** | 1890 | |

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***4/5/08*** FCP 1525 psig. Pt surf lines & CT to 5K, tstd gd. OWU & TIH w/4.50" PDC bit, mud mtr & 2" CT. Tgd & CO sd fill fr/8522' - 8752'. Tgd & DO 8K CBP @ 8752' (45"). Tgd & CO sd fill fr/8980' - 8995'. Tag & DO 8K CBP @ 8990' (56"). Tgd & CO sd fill fr/9095' - 9190'. Tgd hd btm @ 9200' (Measured Depth w/CT). TOH CT & LD BHA. RDMO CTU. SDFN w/csg flwg to tst tnk. Ppd 720 BW while circ for day. Recd 1980 BLW, FCP 600 - 1575 psig, 18 - 32/64" ck., 22 hrs. 3656 BLWTR.

*Flow* **Zone:** MV

**Event Desc:** FLOW BACK **Top Interval:** 6,093 **Bottom Interval:** 9,123

| Time | Avg Press | Choke Size | BBLS Rec | Comments |
|---|---|---|---|---|
| 6:00:00 AM | 1,500 | 18/64 | 40 | 6:15 Bobcat on loc. |
| 7:00:00 AM | 1,500 | 18/64 | 45 | 6:45 Tripping in. |
| 8:00:00 AM | 1,425 | 18/64 | 140 | Flwg to pit. |
| 9:00:00 AM | 1,000 | 32/64 | 145 | 8:20 chng ck to 32/64. |
| 10:00:00 AM | 600 | 32/64 | 180 | Flwg to pit. |
| 11:00:00 AM | 1,400 | 32/64 | 185 | Flwg to pit. |
| 12:00:00 PM | 1,250 | 32/64 | 170 | Flwg to pit. |
| 1:00:00 PM | 1,300 | 32/64 | 160 | 13:00 Tripping out. |
| 2:00:00 PM | 1,225 | 32/64 | 175 | Flwg to pit. |
| 3:00:00 PM | 1,500 | 32/64 | 185 | Flwg to pit. |
| 4:00:00 PM | 1,500 | 32/64 | 165 | 16:30 Shut in to rig to open-top tk. |
| 5:00:00 PM | 1,550 | 18/64 | 70 | 17:00 chng ck to 18/64. |
| 6:00:00 PM | 1,550 | 18/64 | 0 | Shut in. |
| 7:00:00 PM | 1,600 | 18/64 | 0 | Opened well back up to open-top tk. |
| 8:00:00 PM | 1,600 | 18/64 | 15 | Flwg to open-top tk. |
| 9:00:00 PM | 1,600 | 18/64 | 35 | Flwg to open-top tk. |
| 10:00:00 PM | 1,575 | 18/64 | 30 | Flwg to open-top tk. |
| 11:00:00 PM | 1,550 | 18/64 | 30 | Flwg to open-top tk. |
| 12:00:00 AM | 1,550 | 18/64 | 30 | Flwg to open-top tk. |
| 1:00:00 AM | 1,525 | 18/64 | 30 | Flwg to open-top tk. |
| 2:00:00 AM | 1,525 | 18/64 | 30 | Flwg to open-top tk. |
| 3:00:00 AM | 1,525 | 18/64 | 30 | Flwg to open-top tk. |
| 4:00:00 AM | 1,525 | 18/64 | 30 | Flwg to open-top tk. |
| 5:00:00 AM | 1,525 | 18/64 | 30 | Flwg to open-top tk. |
| 6:00:00 AM | 1,525 | 18/64 | 30 | Flwg to open-top tk. |
| | | **Ttl Bbls:** | 1980 | |

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***4/6/08*** FCP 1475 psig. F. 0 BO, 549 BLW, FCP 1475 - 1100 psig, 18/64" ck., 21hrs. Rets of CO2, gas, wtr, lt sd. 3107 BLWTR.

*Flow* **Zone:** MV

**Event Desc:** FLOW BACK **Top Interval:** 6,093 **Bottom Interval:** 9,123

| Time | Avg Press | Choke Size | BBLS Rec | Comments |
|---|---|---|---|---|
| 6:00:00 AM | 1,475 | 18/64 | 30 | 6:15 bobcat on loc. |
| 7:00:00 AM | 1,475 | 18/64 | 30 | Flwg to open-top tk. |
| 8:00:00 AM | 1,475 | 18/64 | 27 | Flwg to open-top tk. |
| 9:00:00 AM | 1,425 | 18/64 | 27 | Flwg to open-top tk. |
| 10:00:00 AM | 1,425 | 18/64 | 27 | Flwg to open-top tk. |
| 11:00:00 AM | 1,400 | 18/64 | 27 | Flwg to open-top tk. |
| 12:00:00 PM | 1,375 | 18/64 | 23 | Flwg to open-top tk. |
| 1:00:00 PM | 1,350 | 18/64 | 27 | Flwg to open-top tk. |
| 2:00:00 PM | 1,350 | 18/64 | 23 | Flwg to open-top tk. |
| 3:00:00 PM | 1,325 | 18/64 | 23 | Flwg to open-top tk. |
| 4:00:00 PM | 1,325 | 18/64 | 15 | Flwg to open-top tk. |
| 5:00:00 PM | 1,300 | 18/64 | 15 | Flwg to open-top tk. |
| 6:00:00 PM | 1,300 | 18/64 | 15 | Flwg to open-top tk. |
| 7:00:00 PM | 1,275 | 18/64 | 15 | Flwg to open-top tk. |
| 8:00:00 PM | 1,250 | 18/64 | 15 | Flwg to open-top tk. |
| 9:00:00 PM | 1,250 | 18/64 | 20 | Flwg to open-top tk. |
| 10:00:00 PM | 1,200 | 18/64 | 25 | Flwg to open-top tk. |
| 11:00:00 PM | 1,200 | 18/64 | 20 | Flwg to open-top tk. |
| 12:00:00 AM | 1,200 | 18/64 | 25 | Flwg to open-top tk. |
| 1:00:00 AM | 1,175 | 18/64 | 20 | Flwg to open-top tk. |
| 2:00:00 AM | 1,200 | 18/64 | 20 | Flwg to open-top tk. |
| 3:00:00 AM | 1,150 | 18/64 | 20 | Flwg to open-top tk. |
| 4:00:00 AM | 1,100 | 18/64 | 20 | Flwg to open-top tk. |
| 5:00:00 AM | 1,100 | 18/64 | 20 | Flwg to open-top tk. |
| 6:00:00 AM | 1,100 | 18/64 | 20 | Flwg to open-top tk. |
| | | **Ttl Bbls:** | 549 | |

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***4/7/08*** FCP 1475 psig. F. 0 BO, 549 BLW, FCP 1475 - 1100 psig, 18/64" ck., 21hrs. Rets of CO2, gas, wtr, lt sd. 3107 BLWTR.FCP 1100 psig. F. 0 BO, 410 BLW, 21 hrs., FCP 1100 - 900 psig, 18/64" ck. Rets of CO2, gas, wtr, lt sd. 2697 BLWTR.

*Flow* **Zone:** MV

**Event Desc:** FLOW BACK **Top Interval:** 6,093 **Bottom Interval:** 9,123

| Time | Avg Press | Choke Size | BBLS Rec | Comments |
|---|---|---|---|---|
| 6:00:00 AM | 1,100 | 18/64 | 15 | Flwg to open-top tk. |
| 7:00:00 AM | 1,100 | 18/64 | 15 | Flwg to open-top tk. |
| 8:00:00 AM | 1,100 | 18/64 | 27 | Flwg to open-top tk. |
| 9:00:00 AM | 1,100 | 18/64 | 18 | Flwg to open-top tk. |
| 10:00:00 AM | 1,075 | 18/64 | 18 | Flwg to open-top tk. |
| 11:00:00 AM | 1,075 | 18/64 | 18 | Flwg to open-top tk. |
| 12:00:00 PM | 1,050 | 18/64 | 14 | Flwg to open-top tk. |
| 1:00:00 PM | 1,050 | 18/64 | 14 | Flwg to open-top tk. |
| 2:00:00 PM | 1,025 | 18/64 | 18 | Flwg to open-top tk. |
| 3:00:00 PM | 1,000 | 18/64 | 14 | Flwg to open-top tk. |
| 4:00:00 PM | 1,000 | 18/64 | 14 | Flwg to open-top tk. |

| | | | | |
|---|---|---|---|---|
| 5:00:00 PM | 975 | 18/64 | 10 | Flwg to open-top tk. |
| 6:00:00 PM | 975 | 18/64 | 15 | Flwg to open-top tk. |
| 7:00:00 PM | 975 | 18/64 | 15 | Flwg to open-top tk. |
| 8:00:00 PM | 975 | 18/64 | 15 | Flwg to open-top tk. |
| 9:00:00 PM | 950 | 18/64 | 20 | Flwg to open-top tk. |
| 10:00:00 PM | 950 | 18/64 | 20 | Flwg to open-top tk. |
| 11:00:00 PM | 925 | 18/64 | 20 | Flwg to open-top tk. |
| 12:00:00 AM | 925 | 18/64 | 20 | Flwg to open-top tk. |
| 1:00:00 AM | 925 | 18/64 | 15 | Flwg to open-top tk. |
| 2:00:00 AM | 925 | 18/64 | 15 | Flwg to open-top tk. |
| 3:00:00 AM | 900 | 18/64 | 15 | Flwg to open-top tk. |
| 4:00:00 AM | 900 | 18/64 | 15 | Flwg to open-top tk. |
| 5:00:00 AM | 900 | 18/64 | 15 | Flwg to open-top tk. |
| 6:00:00 AM | 900 | 18/64 | 15 | Flwg to open-top tk. |
| | | **Ttl Bbls:** | 410 | |

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***4/8/08*** FCP 900 psig. F. 0 BO, 368 BLW, 24 hrs., FCP 900 - 800 psig, 18/64" ck. Rets of CO2, gas, wtr, lt sd. 2329 BLWTR.

*Flow* **Zone:** MV

**Event Desc:** FLOW BACK **Top Interval:** 6,093 **Bottom Interval:** 9,123

| Time | Avg Press | Choke Size | BBLS Rec | Comments |
|---|---|---|---|---|
| 6:00:00 AM | 900 | 18/64 | 15 | Flwg to open-top tk. |
| 7:00:00 AM | 875 | 18/64 | 18 | Flwg to open-top tk. |
| 8:00:00 AM | 875 | 18/64 | 14 | Flwg to open-top tk. |
| 9:00:00 AM | 875 | 18/64 | 14 | Flwg to open-top tk. |
| 10:00:00 AM | 850 | 18/64 | 14 | Flwg to open-top tk. |
| 11:00:00 AM | 850 | 18/64 | 18 | Flwg to open-top tk. |
| 12:00:00 PM | 825 | 18/64 | 14 | Flwg to open-top tk. |
| 1:00:00 PM | 825 | 18/64 | 14 | Flwg to open-top tk. |
| 2:00:00 PM | 825 | 18/64 | 14 | Flwg to open-top tk. |
| 3:00:00 PM | 825 | 18/64 | 18 | Flwg to open-top tk. |
| 4:00:00 PM | 825 | 18/64 | 14 | Flwg to open-top tk. |
| 5:00:00 PM | 800 | 18/64 | 14 | Flwg to open-top tk. |
| 6:00:00 PM | 800 | 18/64 | 14 | Flwg to open-top tk. |
| 7:00:00 PM | 800 | 18/64 | 15 | Flwg to open-top tk. |
| 8:00:00 PM | 800 | 18/64 | 15 | Flwg to open-top tk. |
| 9:00:00 PM | 800 | 18/64 | 15 | Flwg to open-top tk. |
| 10:00:00 PM | 800 | 18/64 | 15 | Flwg to open-top tk. |
| 11:00:00 PM | 800 | 18/64 | 15 | Flwg to open-top tk. |
| 12:00:00 AM | 800 | 18/64 | 14 | Flwg to open-top tk. |
| 1:00:00 AM | 800 | 18/64 | 14 | Flwg to open-top tk. |
| 2:00:00 AM | 775 | 18/64 | 14 | Flwg to open-top tk. |
| 3:00:00 AM | 800 | 18/64 | 14 | Flwg to open-top tk. |
| 4:00:00 AM | 800 | 18/64 | 14 | Flwg to open-top tk. |
| 5:00:00 AM | 800 | 18/64 | 14 | Flwg to open-top tk. |
| 6:00:00 AM | 800 | 18/64 | 14 | Flwg to open-top tk. |
| | | **Ttl Bbls:** | 368 | |

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***4/9/08*** FCP 800 psig. F. 0 BO, 316 BLW, 24 hrs., FCP 800 - 750 psig, 18/64" ck. Rets of CO2, gas, wtr, lt sd. 2013 BLWTR.

*Flow* **Zone:** MV

**Event Desc:** FLOW BACK **Top Interval:** 6,093 **Bottom Interval:** 9,123

| Time | Avg Press | Choke Size | BBLS Rec | Comments |
|---|---|---|---|---|
| 6:00:00 AM | 800 | 18/64 | 14 | Flwg to open-top tk. |
| 7:00:00 AM | 775 | 18/64 | 18 | Flwg to open-top tk. |
| 8:00:00 AM | 775 | 18/64 | 18 | Flwg to open-top tk. |
| 9:00:00 AM | 775 | 18/64 | 18 | Flwg to open-top tk. |
| 10:00:00 AM | 775 | 18/64 | 18 | Flwg to open-top tk. |
| 11:00:00 AM | 775 | 18/64 | 14 | Flwg to open-top tk. |
| 12:00:00 PM | 750 | 18/64 | 14 | Flwg to open-top tk. |
| 1:00:00 PM | 750 | 18/64 | 14 | Flwg to open-top tk. |
| 2:00:00 PM | 750 | 18/64 | 14 | Flwg to open-top tk. |
| 3:00:00 PM | 750 | 18/64 | 12 | Flwg to open-top tk. |
| 4:00:00 PM | 750 | 18/64 | 12 | Flwg to open-top tk. |
| 5:00:00 PM | 750 | 18/64 | 12 | Flwg to open-top tk. |
| 6:00:00 PM | 750 | 18/64 | 12 | Flwg to open-top tk. |
| 7:00:00 PM | 750 | 18/64 | 12 | Flwg to open-top tk. |
| 8:00:00 PM | 750 | 18/64 | 10 | Flwg to open-top tk. |
| 9:00:00 PM | 750 | 18/64 | 10 | Flwg to open-top tk. |
| 10:00:00 PM | 750 | 18/64 | 10 | Flwg to open-top tk. |
| 11:00:00 PM | 750 | 18/64 | 10 | Flwg to open-top tk. |
| 12:00:00 AM | 750 | 18/64 | 10 | Flwg to open-top tk. |
| 1:00:00 AM | 750 | 18/64 | 12 | Flwg to open-top tk. |
| 2:00:00 AM | 750 | 18/64 | 10 | Flwg to open-top tk. |
| 3:00:00 AM | 750 | 18/64 | 10 | Flwg to open-top tk. |
| 4:00:00 AM | 750 | 18/64 | 12 | Flwg to open-top tk. |
| 5:00:00 AM | 750 | 18/64 | 10 | Flwg to open-top tk. |
| 6:00:00 AM | 750 | 18/64 | 10 | Flwg to open-top tk. |
| | | **Ttl Bbls:** | 316 | |

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***4/10/08*** FCP 750 psig. F. 0 BO, 243 BLW, 24 hrs., FCP 750 - 700 psig, 18/64" ck. Rets of CO2, gas, wtr, lt sd. 1770 BLWTR.

*Flow* **Zone:** MV

**Event Desc:** FLOW BACK **Top Interval:** 6,093 **Bottom Interval:** 9,123

| Time | Avg Press | Choke Size | BBLS Rec | Comments |
|---|---|---|---|---|
| 6:00:00 AM | 750 | 18/64 | 10 | Flwg to open-top tk. |
| 7:00:00 AM | 725 | 18/64 | 14 | Flwg to open-top tk. |
| 8:00:00 AM | 725 | 18/64 | 18 | Flwg to open-top tk. |
| 9:00:00 AM | 725 | 18/64 | 18 | Flwg to open-top tk. |
| 10:00:00 AM | 725 | 18/64 | 18 | Flwg to open-top tk. |
| 11:00:00 AM | 725 | 18/64 | 5 | Flwg to open-top tk. |
| 12:00:00 PM | 700 | 18/64 | 5 | Flwg to open-top tk. |
| 1:00:00 PM | 700 | 18/64 | 18 | Flwg to open-top tk. |
| 2:00:00 PM | 700 | 18/64 | 18 | Flwg to open-top tk. |
| 3:00:00 PM | 700 | 18/64 | 5 | Flwg to open-top tk. |
| 4:00:00 PM | 700 | 18/64 | 5 | Flwg to open-top tk. |
| 5:00:00 PM | 700 | 18/64 | 14 | Flwg to open-top tk. |
| 6:00:00 PM | 700 | 18/64 | 9 | Flwg to open-top tk. |
| 7:00:00 PM | 700 | 18/64 | 7 | Flwg to open-top tk. |
| 8:00:00 PM | 700 | 18/64 | 7 | Flwg to open-top tk. |
| 9:00:00 PM | 700 | 18/64 | 5 | Flwg to open-top tk. |

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|---|---|---|---|---|
| 10:00:00 PM | 700 | 18/64 | 8 | Flwg to open-top tk. |
| 11:00:00 PM | 700 | 18/64 | 8 | Flwg to open-top tk. |
| 12:00:00 AM | 700 | 18/64 | 6 | Flwg to open-top tk. |
| 1:00:00 AM | 700 | 18/64 | 8 | Flwg to open-top tk. |
| 2:00:00 AM | 700 | 18/64 | 8 | Flwg to open-top tk. |
| 3:00:00 AM | 700 | 18/64 | 10 | Flwg to open-top tk. |
| 4:00:00 AM | 700 | 18/64 | 8 | Flwg to open-top tk. |
| 5:00:00 AM | 700 | 18/64 | 5 | Flwg to open-top tk. |
| 6:00:00 AM | 700 | 18/64 | 6 | Flwg to open-top tk. |
| | | **Ttl Bbls:** | 243 | |

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***4/11/08*** FCP 700 psig. F. 0 BO, 207 BLW, 24 hrs., FCP 700 - 650 psig, 18/64" ck. Rets of CO2, gas, wtr, lt sd. 1563 BLWTR.

*Flow* **Zone:** MV/WSTC

**Event Desc:** FLOW BACK **Top Interval:** 6,093 **Bottom Interval:** 9,123

| Time | Avg Press | Choke Size | BBLS Rec | Comments |
|---|---|---|---|---|
| 6:00:00 AM | 700 | 18/64 | 5 | Flwg to open-top tk. |
| 7:00:00 AM | 675 | 18/64 | 9 | Flwg to open-top tk. |
| 8:00:00 AM | 675 | 18/64 | 9 | Flwg to open-top tk. |
| 9:00:00 AM | 675 | 18/64 | 9 | Flwg to open-top tk. |
| 10:00:00 AM | 675 | 18/64 | 14 | Flwg to open-top tk. |
| 11:00:00 AM | 675 | 18/64 | 5 | Flwg to open-top tk. |
| 12:00:00 PM | 675 | 18/64 | 5 | Flwg to open-top tk. |
| 1:00:00 PM | 650 | 18/64 | 10 | Flwg to open-top tk. |
| 2:00:00 PM | 650 | 18/64 | 5 | Flwg to open-top tk. |
| 3:00:00 PM | 650 | 18/64 | 10 | Flwg to open-top tk. |
| 4:00:00 PM | 650 | 18/64 | 10 | Flwg to open-top tk. |
| 5:00:00 PM | 650 | 18/64 | 5 | Flwg to open-top tk. |
| 6:00:00 PM | 650 | 18/64 | 5 | Flwg to open-top tk. |
| 7:00:00 PM | 650 | 18/64 | 12 | Flwg to open-top tk. |
| 8:00:00 PM | 650 | 18/64 | 4 | Flwg to open-top tk. |
| 9:00:00 PM | 650 | 18/64 | 8 | Flwg to open-top tk. |
| 10:00:00 PM | 650 | 18/64 | 8 | Flwg to open-top tk. |
| 11:00:00 PM | 650 | 18/64 | 8 | Flwg to open-top tk. |
| 12:00:00 AM | 650 | 18/64 | 8 | Flwg to open-top tk. |
| 1:00:00 AM | 650 | 18/64 | 8 | Flwg to open-top tk. |
| 2:00:00 AM | 650 | 18/64 | 8 | Flwg to open-top tk. |
| 3:00:00 AM | 650 | 18/64 | 12 | Flwg to open-top tk. |
| 4:00:00 AM | 650 | 18/64 | 10 | Flwg to open-top tk. |
| 5:00:00 AM | 650 | 18/64 | 10 | Flwg to open-top tk. |
| 6:00:00 AM | 650 | 18/64 | 10 | Flwg to open-top tk. |
| | | **Ttl Bbls:** | 207 | |

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***4/12/08*** FCP 650 psig. F. 0 BO, 396 BLW, 24 hrs., FCP 650 - 500 psig, 18/64"-24/64" ck. Rets of CO2, gas, wtr, lt sd. 1136 BLWTR.

*Flow* **Zone:** MV

**Event Desc:** FLOW BACK **Top Interval:** 6,093 **Bottom Interval:** 9,123

| Time | Avg Press | Choke Size | BBLS Rec | Comments |
|---|---|---|---|---|
| 6:00:00 AM | 650 | 24/64 | 10 | Chng ck to 24/64. |

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|---|---|---|---|---|
| 7:00:00 AM | 600 | 24/64 | 15 | Flwg to open-top tk. |
| 8:00:00 AM | 600 | 24/64 | 20 | Flwg to open-top tk. |
| 9:00:00 AM | 600 | 24/64 | 23 | Flwg to open-top tk. |
| 10:00:00 AM | 600 | 24/64 | 23 | Flwg to open-top tk. |
| 11:00:00 AM | 600 | 24/64 | 27 | Flwg to open-top tk. |
| 12:00:00 PM | 575 | 24/64 | 27 | Flwg to open-top tk. |
| 1:00:00 PM | 550 | 24/64 | 27 | Flwg to open-top tk. |
| 2:00:00 PM | 575 | 24/64 | 14 | Flwg to open-top tk. |
| 3:00:00 PM | 575 | 24/64 | 18 | Flwg to open-top tk. |
| 4:00:00 PM | 575 | 24/64 | 18 | Flwg to open-top tk. |
| 5:00:00 PM | 575 | 24/64 | 18 | Flwg to open-top tk. |
| 6:00:00 PM | 575 | 24/64 | 18 | Flwg to open-top tk. |
| 7:00:00 PM | 575 | 24/64 | 23 | Flwg to open-top tk. |
| 8:00:00 PM | 550 | 24/64 | 18 | Flwg to open-top tk. |
| 9:00:00 PM | 550 | 24/64 | 14 | Flwg to open-top tk. |
| 10:00:00 PM | 550 | 24/64 | 14 | Flwg to open-top tk. |
| 11:00:00 PM | 500 | 24/64 | 5 | Flwg to open-top tk. |
| 12:00:00 AM | 500 | 24/64 | 5 | Flwg to open-top tk. |
| 1:00:00 AM | 500 | 24/64 | 5 | Flwg to open-top tk. |
| 2:00:00 AM | 500 | 24/64 | 9 | Flwg to open-top tk. |
| 3:00:00 AM | 500 | 24/64 | 9 | Flwg to open-top tk. |
| 4:00:00 AM | 500 | 24/64 | 18 | Flwg to open-top tk. |
| 5:00:00 AM | 500 | 24/64 | 9 | Flwg to open-top tk. |
| 6:00:00 AM | 500 | 24/64 | 9 | Flwg to open-top tk. |
| | | **Ttl Bbls:** | 396 | |

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***4/13/08*** FCP 500 psig. F. 0 BO, 206 BLW, 24 hrs., FCP 500 - 375 psig, 24/64" ck. Rets of CO2, gas, wtr, lt sd. 961 BLWTR.

*Flow* **Zone:** MV

**Event Desc:** FLOW BACK **Top Interval:** 6,093 **Bottom Interval:** 9,123

| Time | Avg Press | Choke Size | BBLS Rec | Comments |
|---|---|---|---|---|
| 6:00:00 AM | 500 | 24/64 | 9 | Flwg to open-top tk. |
| 7:00:00 AM | 475 | 24/64 | 9 | Flwg to open-top tk. |
| 8:00:00 AM | 475 | 24/64 | 9 | Flwg to open-top tk. |
| 9:00:00 AM | 475 | 24/64 | 9 | Flwg to open-top tk. |
| 10:00:00 AM | 450 | 24/64 | 9 | Flwg to open-top tk. |
| 11:00:00 AM | 450 | 24/64 | 5 | Flwg to open-top tk. |
| 12:00:00 PM | 450 | 24/64 | 9 | Flwg to open-top tk. |
| 1:00:00 PM | 425 | 24/64 | 9 | Flwg to open-top tk. |
| 2:00:00 PM | 425 | 24/64 | 9 | Flwg to open-top tk. |
| 3:00:00 PM | 425 | 24/64 | 9 | Flwg to open-top tk. |
| 4:00:00 PM | 425 | 24/64 | 5 | Flwg to open-top tk. |
| 5:00:00 PM | 425 | 24/64 | 14 | Flwg to open-top tk. |
| 6:00:00 PM | 400 | 24/64 | 9 | Flwg to open-top tk. |
| 7:00:00 PM | 400 | 24/64 | 9 | Flwg to open-top tk. |
| 8:00:00 PM | 400 | 24/64 | 9 | Flwg to open-top tk. |
| 9:00:00 PM | 400 | 24/64 | 13 | Flwg to open-top tk. |
| 10:00:00 PM | 400 | 24/64 | 9 | Flwg to open-top tk. |
| 11:00:00 PM | 400 | 24/64 | 9 | Flwg to open-top tk. |
| 12:00:00 AM | 400 | 24/64 | 5 | Flwg to open-top tk. |
| 1:00:00 AM | 400 | 24/64 | 9 | Flwg to open-top tk. |

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|---|---|---|---|---|
| 2:00:00 AM | 400 | 24/64 | 5 | Flwg to open-top tk. |
| 3:00:00 AM | 400 | 24/64 | 5 | Flwg to open-top tk. |
| 4:00:00 AM | 375 | 24/64 | 5 | Flwg to open-top tk. |
| 5:00:00 AM | 375 | 24/64 | 9 | Flwg to open-top tk. |
| 6:00:00 AM | 375 | 24/64 | 5 | Flwg to open-top tk. |
| | | **Ttl Bbls:** | 206 | |

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***4/14/08*** FCP 375 psig. F. 0 BO, 221 BLW, 24 hrs., FCP 375 - 325 psig, 24/64" ck. Rets of CO2, gas, wtr, lt sd. 740 BLWTR.

*Flow* **Zone:** MV

**Event Desc:** FLOW BACK **Top Interval:** 6,093 **Bottom Interval:** 9,123

| Time | Avg Press | Choke Size | BBLS Rec | Comments |
|---|---|---|---|---|
| 6:00:00 AM | 375 | 24/64 | 9 | Flwg to open-top tk. |
| 7:00:00 AM | 375 | 24/64 | 5 | Flwg to open-top tk. |
| 8:00:00 AM | 375 | 24/64 | 9 | Flwg to open-top tk. |
| 9:00:00 AM | 350 | 24/64 | 9 | Flwg to open-top tk. |
| 10:00:00 AM | 350 | 24/64 | 9 | Flwg to open-top tk. |
| 11:00:00 AM | 350 | 24/64 | 5 | Flwg to open-top tk. |
| 12:00:00 PM | 350 | 24/64 | 9 | Flwg to open-top tk. |
| 1:00:00 PM | 350 | 24/64 | 9 | Flwg to open-top tk. |
| 2:00:00 PM | 350 | 24/64 | 9 | Flwg to open-top tk. |
| 3:00:00 PM | 350 | 24/64 | 9 | Flwg to open-top tk. |
| 4:00:00 PM | 325 | 24/64 | 9 | Flwg to open-top tk. |
| 5:00:00 PM | 325 | 24/64 | 5 | Flwg to open-top tk. |
| 6:00:00 PM | 325 | 24/64 | 5 | Flwg to open-top tk. |
| 7:00:00 PM | 325 | 24/64 | 13 | Flwg to open-top tk. |
| 8:00:00 PM | 325 | 24/64 | 12 | Flwg to open-top tk. |
| 9:00:00 PM | 325 | 24/64 | 10 | Flwg to open-top tk. |
| 10:00:00 PM | 325 | 24/64 | 10 | Flwg to open-top tk. |
| 11:00:00 PM | 325 | 24/64 | 10 | Flwg to open-top tk. |
| 12:00:00 AM | 325 | 24/64 | 5 | Flwg to open-top tk. |
| 1:00:00 AM | 325 | 24/64 | 10 | Flwg to open-top tk. |
| 2:00:00 AM | 325 | 24/64 | 10 | Flwg to open-top tk. |
| 3:00:00 AM | 325 | 24/64 | 10 | Flwg to open-top tk. |
| 4:00:00 AM | 325 | 24/64 | 10 | Flwg to open-top tk. |
| 5:00:00 AM | 325 | 24/64 | 10 | Flwg to open-top tk. |
| 6:00:00 AM | 325 | 24/64 | 10 | Flwg to open-top tk. |
| | | **Ttl Bbls:** | 221 | |

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***4/15/08*** FCP 325 psig. F. 0 BO, 181 BLW, 24 hrs., FCP 325 - 300 psig, 24/64" ck. Rets of CO2, gas, wtr, lt sd. 551 BLWTR.

*Flow* **Zone:** MV

**Event Desc:** FLOW BACK **Top Interval:** 6,093 **Bottom Interval:** 9,123

| Time | Avg Press | Choke Size | BBLS Rec | Comments |
|---|---|---|---|---|
| 6:00:00 AM | 325 | 24/64 | 9 | Flwg to open-top tk. |
| 7:00:00 AM | 300 | 24/64 | 5 | Flwg to open-top tk. |
| 8:00:00 AM | 300 | 24/64 | 5 | Flwg to open-top tk. |
| 9:00:00 AM | 300 | 24/64 | 5 | Flwg to open-top tk. |
| 10:00:00 AM | 300 | 24/64 | 9 | Flwg to open-top tk. |
| 11:00:00 AM | 300 | 24/64 | 9 | Flwg to open-top tk. |

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|---|---|---|---|---|
| 12:00:00 PM | 300 | 24/64 | 7 | Flwg to open-top tk. |
| 1:00:00 PM | 300 | 24/64 | 7 | Flwg to open-top tk. |
| 2:00:00 PM | 300 | 24/64 | 9 | Flwg to open-top tk. |
| 3:00:00 PM | 300 | 24/64 | 9 | Flwg to open-top tk. |
| 4:00:00 PM | 300 | 24/64 | 5 | Flwg to open-top tk. |
| 5:00:00 PM | 300 | 24/64 | 5 | Flwg to open-top tk. |
| 6:00:00 PM | 300 | 24/64 | 5 | Flwg to open-top tk. |
| 7:00:00 PM | 300 | 24/64 | 5 | Flwg to open-top tk. |
| 8:00:00 PM | 300 | 24/64 | 5 | Flwg to open-top tk. |
| 9:00:00 PM | 300 | 24/64 | 9 | Flwg to open-top tk. |
| 10:00:00 PM | 300 | 24/64 | 9 | Flwg to open-top tk. |
| 11:00:00 PM | 300 | 24/64 | 5 | Flwg to open-top tk. |
| 12:00:00 AM | 300 | 24/64 | 5 | Flwg to open-top tk. |
| 1:00:00 AM | 300 | 24/64 | 9 | Flwg to open-top tk. |
| 2:00:00 AM | 300 | 24/64 | 9 | Flwg to open-top tk. |
| 3:00:00 AM | 300 | 24/64 | 9 | Flwg to open-top tk. |
| 4:00:00 AM | 300 | 24/64 | 9 | Flwg to open-top tk. |
| 5:00:00 AM | 300 | 24/64 | 9 | Flwg to open-top tk. |
| 6:00:00 AM | 300 | 24/64 | 9 | Flwg to open-top tk. |
| | | **Ttl Bbls:** | 181 | |

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***4/16/08*** FCP 275 psig. F. 0 BO, 169 BLW, 24 hrs., FCP 275 - 250 psig, 24/64" ck. Rets of CO2, gas, wtr, lt sd. 390 BLWTR.

*Flow* **Zone:** MV

**Event Desc:** FLOW BACK **Top Interval:** 6,093 **Bottom Interval:** 9,123

| Time | Avg Press | Choke Size | BBLS Rec | Comments |
|---|---|---|---|---|
| 6:00:00 AM | 275 | 24/64 | 9 | Flwg to open-top tk. |
| 7:00:00 AM | 275 | 24/64 | 5 | Flwg to open-top tk. |
| 8:00:00 AM | 275 | 24/64 | 5 | Flwg to open-top tk. |
| 9:00:00 AM | 275 | 24/64 | 5 | Flwg to open-top tk. |
| 10:00:00 AM | 275 | 24/64 | 5 | Flwg to open-top tk. |
| 11:00:00 AM | 275 | 24/64 | 9 | Flwg to open-top tk. |
| 12:00:00 PM | 275 | 24/64 | 5 | Flwg to open-top tk. |
| 1:00:00 PM | 275 | 24/64 | 5 | Flwg to open-top tk. |
| 2:00:00 PM | 275 | 24/64 | 7 | Flwg to open-top tk. |
| 3:00:00 PM | 275 | 24/64 | 9 | Flwg to open-top tk. |
| 4:00:00 PM | 250 | 24/64 | 5 | Flwg to open-top tk. |
| 5:00:00 PM | 250 | 24/64 | 5 | Flwg to open-top tk. |
| 6:00:00 PM | 250 | 24/64 | 7 | Flwg to open-top tk. |
| 7:00:00 PM | 275 | 24/64 | 9 | Flwg to open-top tk. |
| 8:00:00 PM | 275 | 24/64 | 9 | Flwg to open-top tk. |
| 9:00:00 PM | 275 | 24/64 | 5 | Flwg to open-top tk. |
| 10:00:00 PM | 250 | 24/64 | 5 | Flwg to open-top tk. |
| 11:00:00 PM | 250 | 24/64 | 5 | Flwg to open-top tk. |
| 12:00:00 AM | 250 | 24/64 | 5 | Flwg to open-top tk. |
| 1:00:00 AM | 275 | 24/64 | 5 | Flwg to open-top tk. |
| 2:00:00 AM | 275 | 24/64 | 9 | Flwg to open-top tk. |
| 3:00:00 AM | 275 | 24/64 | 9 | Flwg to open-top tk. |
| 4:00:00 AM | 275 | 24/64 | 9 | Flwg to open-top tk. |
| 5:00:00 AM | 275 | 24/64 | 9 | Flwg to open-top tk. |
| 6:00:00 AM | 275 | 24/64 | 9 | Flwg to open-top tk. |

**Ttl Bbls:** 169

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***4/17/08*** FCP 275 psig. F. 0 BO, 161 BLW, 24 hrs., FCP 275 - 225 psig, 24/64" ck. Rets of CO2, gas, wtr, lt sd. 229 BLWTR.

*Flow* **Zone:** MV

**Event Desc:** FLOW BACK **Top Interval:** 6,093 **Bottom Interval:** 9,123

| Time | Avg Press | Choke Size | BBLS Rec | Comments |
|---|---|---|---|---|
| 6:00:00 AM | 275 | 24/64 | 9 | Flwg top open-top tk. |
| 7:00:00 AM | 250 | 24/64 | 5 | Flwg top open-top tk. |
| 8:00:00 AM | 250 | 24/64 | 5 | Flwg top open-top tk. |
| 9:00:00 AM | 250 | 24/64 | 5 | Flwg top open-top tk. |
| 10:00:00 AM | 250 | 24/64 | 9 | Flwg top open-top tk. |
| 11:00:00 AM | 250 | 24/64 | 5 | Flwg top open-top tk. |
| 12:00:00 PM | 250 | 24/64 | 9 | Flwg top open-top tk. |
| 1:00:00 PM | 250 | 24/64 | 5 | Flwg top open-top tk. |
| 2:00:00 PM | 250 | 24/64 | 5 | Flwg top open-top tk. |
| 3:00:00 PM | 250 | 24/64 | 5 | Flwg top open-top tk. |
| 4:00:00 PM | 250 | 24/64 | 5 | Flwg top open-top tk. |
| 5:00:00 PM | 250 | 24/64 | 5 | Flwg top open-top tk. |
| 6:00:00 PM | 250 | 24/64 | 5 | Flwg top open-top tk. |
| 7:00:00 PM | 225 | 24/64 | 9 | Flwg top open-top tk. |
| 8:00:00 PM | 225 | 24/64 | 9 | Flwg top open-top tk. |
| 9:00:00 PM | 225 | 24/64 | 9 | Flwg top open-top tk. |
| 10:00:00 PM | 250 | 24/64 | 5 | Flwg top open-top tk. |
| 11:00:00 PM | 250 | 24/64 | 5 | Flwg top open-top tk. |
| 12:00:00 AM | 250 | 24/64 | 5 | Flwg top open-top tk. |
| 1:00:00 AM | 250 | 24/64 | 5 | Flwg top open-top tk. |
| 2:00:00 AM | 250 | 24/64 | 5 | Flwg top open-top tk. |
| 3:00:00 AM | 250 | 24/64 | 9 | Flwg top open-top tk. |
| 4:00:00 AM | 250 | 24/64 | 9 | Flwg top open-top tk. |
| 5:00:00 AM | 250 | 24/64 | 5 | Flwg top open-top tk. |
| 6:00:00 AM | 250 | 24/64 | 9 | Flwg top open-top tk. |
| | | **Ttl Bbls:** | 161 | |

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***4/18/08*** FCP 225 psig. F. 0 BO, 133 BLW, 24 hrs., FCP 225 - 200 psig, 24/64" ck. Rets of CO2, gas, wtr, lt sd. 96 BLWTR.

*Flow* **Zone:** MV

**Event Desc:** FLOW BACK **Top Interval:** 6,093 **Bottom Interval:** 9,123

| Time | Avg Press | Choke Size | BBLS Rec | Comments |
|---|---|---|---|---|
| 12:00:00 AM | 225 | 24/64 | 5 | Flwg to open-top tk. |
| 6:00:00 AM | 225 | 24/64 | 9 | Flwg to open-top tk. |
| 7:00:00 AM | 225 | 24/64 | 5 | Flwg to open-top tk. |
| 8:00:00 AM | 225 | 24/64 | 5 | Flwg to open-top tk. |
| 9:00:00 AM | 225 | 24/64 | 9 | Flwg to open-top tk. |
| 10:00:00 AM | 225 | 24/64 | 5 | Flwg to open-top tk. |
| 11:00:00 AM | 225 | 24/64 | 5 | Flwg to open-top tk. |
| 12:00:00 PM | 225 | 24/64 | 5 | Flwg to open-top tk. |
| 1:00:00 PM | 225 | 24/64 | 5 | Flwg to open-top tk. |
| 2:00:00 PM | 200 | 24/64 | 5 | Flwg to open-top tk. |
| 3:00:00 PM | 200 | 24/64 | 5 | Flwg to open-top tk. |

| | | | | |
|---|---|---|---|---|
| 4:00:00 PM | 200 | 24/64 | 5 | Flwg to open-top tk. |
| 5:00:00 PM | 200 | 24/64 | 5 | Flwg to open-top tk. |
| 6:00:00 PM | 200 | 24/64 | 5 | Flwg to open-top tk. |
| 7:00:00 PM | 200 | 24/64 | 5 | Flwg to open-top tk. |
| 8:00:00 PM | 200 | 24/64 | 5 | Flwg to open-top tk. |
| 9:00:00 PM | 200 | 24/64 | 5 | Flwg to open-top tk. |
| 10:00:00 PM | 200 | 24/64 | 5 | Flwg to open-top tk. |
| 11:00:00 PM | 200 | 24/64 | 5 | Flwg to open-top tk. |
| 12:00:00 AM | 200 | 24/64 | 5 | Flwg to open-top tk. |
| 1:00:00 AM | 200 | 24/64 | 5 | Flwg to open-top tk. |
| 2:00:00 AM | 200 | 24/64 | 5 | Flwg to open-top tk. |
| 3:00:00 AM | 200 | 24/64 | 5 | Flwg to open-top tk. |
| 4:00:00 AM | 200 | 24/64 | 5 | Flwg to open-top tk. |
| 5:00:00 AM | 200 | 24/64 | 5 | Flwg to open-top tk. |
| 6:00:00 AM | 200 | 24/64 | 5 | Flwg to open-top tk. |
| | | **Ttl Bbls:** | 138 | |

***4/19/08*** FCP 200 psig. F. 0 BO, 121 BLW, 24 hrs., 24/64" ck. Rets of CO2, gas, wtr, lt sd. 0 BLWTR.

*Flow* **Zone:** MV

**Event Desc:** FLOW BACK **Top Interval:** 6,093 **Bottom Interval:** 9,123

| Time | Avg Press | Choke Size | BBLS Rec | Comments |
|---|---|---|---|---|
| 6:00:00 AM | 200 | 24/64 | 5 | Flwg to open-top tk. |
| 7:00:00 AM | 200 | 24/64 | 5 | Flwg to open-top tk. |
| 8:00:00 AM | 200 | 24/64 | 5 | Flwg to open-top tk. |
| 9:00:00 AM | 200 | 24/64 | 5 | Flwg to open-top tk. |
| 10:00:00 AM | 200 | 24/64 | 3 | Flwg to open-top tk. |
| 11:00:00 AM | 200 | 24/64 | 5 | Flwg to open-top tk. |
| 12:00:00 PM | 200 | 24/64 | 5 | Flwg to open-top tk. |
| 1:00:00 PM | 200 | 24/64 | 5 | Flwg to open-top tk. |
| 2:00:00 PM | 200 | 24/64 | 5 | Flwg to open-top tk. |
| 3:00:00 PM | 200 | 24/64 | 3 | Flwg to open-top tk. |
| 4:00:00 PM | 200 | 24/64 | 5 | Flwg to open-top tk. |
| 5:00:00 PM | 200 | 24/64 | 5 | Flwg to open-top tk. |
| 6:00:00 PM | 200 | 24/64 | 5 | Flwg to open-top tk. |
| 7:00:00 PM | 200 | 24/64 | 5 | Flwg to open-top tk. |
| 8:00:00 PM | 200 | 24/64 | 5 | Flwg to open-top tk. |
| 9:00:00 PM | 200 | 24/64 | 5 | Flwg to open-top tk. |
| 10:00:00 PM | 200 | 24/64 | 5 | Flwg to open-top tk. |
| 11:00:00 PM | 200 | 24/64 | 5 | Flwg to open-top tk. |
| 12:00:00 AM | 200 | 24/64 | 5 | Flwg to open-top tk. |
| 1:00:00 AM | 200 | 24/64 | 5 | Flwg to open-top tk. |
| 2:00:00 AM | 200 | 24/64 | 5 | Flwg to open-top tk. |
| 3:00:00 AM | 200 | 24/64 | 5 | Flwg to open-top tk. |
| 4:00:00 AM | 200 | 24/64 | 5 | Flwg to open-top tk. |
| 5:00:00 AM | 200 | 24/64 | 5 | Flwg to open-top tk. |
| 6:00:00 AM | 200 | 24/64 | 5 | Flwg to open-top tk. |
| | | **Ttl Bbls:** | 121 | |

***4/20/08*** FCP 200 psig. F. 0 BO, 113 BLW, 24 hrs., 24/64" ck. Rets of CO2, gas, wtr, lt sd. 0 BLWTR.

*Flow* **Zone:** MV

**Event Desc:** FLOW BACK **Top Interval:** 6,093 **Bottom Interval:** 9,123

| Time | Avg Press | Choke Size | BBLS Rec | Comments |
|---|---|---|---|---|
| 6:00:00 AM | 200 | 24/64 | 5 | Flwg to open-top tk. |
| 7:00:00 AM | 200 | 24/64 | 5 | Flwg to open-top tk. |
| 8:00:00 AM | 200 | 24/64 | 5 | Flwg to open-top tk. |
| 9:00:00 AM | 200 | 24/64 | 3 | Flwg to open-top tk. |
| 10:00:00 AM | 200 | 24/64 | 3 | Flwg to open-top tk. |
| 11:00:00 AM | 200 | 24/64 | 5 | Flwg to open-top tk. |
| 12:00:00 PM | 200 | 24/64 | 5 | Flwg to open-top tk. |
| 1:00:00 PM | 200 | 24/64 | 5 | Flwg to open-top tk. |
| 2:00:00 PM | 200 | 24/64 | 3 | Flwg to open-top tk. |
| 3:00:00 PM | 200 | 24/64 | 3 | Flwg to open-top tk. |
| 4:00:00 PM | 200 | 24/64 | 3 | Flwg to open-top tk. |
| 5:00:00 PM | 200 | 24/64 | 3 | Flwg to open-top tk. |
| 6:00:00 PM | 200 | 24/64 | 5 | Flwg to open-top tk. |
| 7:00:00 PM | 200 | 24/64 | 5 | Flwg to open-top tk. |
| 8:00:00 PM | 200 | 24/64 | 5 | Flwg to open-top tk. |
| 9:00:00 PM | 200 | 24/64 | 5 | Flwg to open-top tk. |
| 10:00:00 PM | 200 | 24/64 | 5 | Flwg to open-top tk. |
| 11:00:00 PM | 200 | 24/64 | 5 | Flwg to open-top tk. |
| 12:00:00 AM | 200 | 24/64 | 5 | Flwg to open-top tk. |
| 1:00:00 AM | 200 | 24/64 | 5 | Flwg to open-top tk. |
| 2:00:00 AM | 200 | 24/64 | 5 | Flwg to open-top tk. |
| 3:00:00 AM | 200 | 24/64 | 5 | Flwg to open-top tk. |
| 4:00:00 AM | 200 | 24/64 | 5 | Flwg to open-top tk. |
| 5:00:00 AM | 200 | 24/64 | 5 | Flwg to open-top tk. |
| 6:00:00 AM | 200 | 24/64 | 5 | Flwg to open-top tk. |
| | | **Ttl Bbls:** | 113 | |

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***4/21/08*** FCP 175 psig. F. 0 BO, 97 BLW, 24 hrs., FCP 200 - 175 psig. 24/64" ck. Rets of gas, wtr, lt sd. 0 BLWTR.

*Flow* **Zone:** MV

**Event Desc:** FLOW BACK **Top Interval:** 6,093 **Bottom Interval:** 9,123

| Time | Avg Press | Choke Size | BBLS Rec | Comments |
|---|---|---|---|---|
| 6:00:00 AM | 200 | 24/64 | 3 | Flwg to open-top tk. |
| 7:00:00 AM | 200 | 24/64 | 3 | Flwg to open-top tk. |
| 8:00:00 AM | 200 | 24/64 | 3 | Flwg to open-top tk. |
| 9:00:00 AM | 200 | 24/64 | 5 | Flwg to open-top tk. |
| 10:00:00 AM | 200 | 24/64 | 5 | Flwg to open-top tk. |
| 11:00:00 AM | 200 | 24/64 | 3 | Flwg to open-top tk. |
| 12:00:00 PM | 200 | 24/64 | 5 | Flwg to open-top tk. |
| 1:00:00 PM | 200 | 24/64 | 5 | Flwg to open-top tk. |
| 2:00:00 PM | 200 | 24/64 | 5 | Flwg to open-top tk. |
| 3:00:00 PM | 200 | 24/64 | 5 | Flwg to open-top tk. |
| 4:00:00 PM | 200 | 24/64 | 5 | Flwg to open-top tk. |
| 5:00:00 PM | 200 | 24/64 | 3 | Flwg to open-top tk. |
| 6:00:00 PM | 200 | 24/64 | 3 | Flwg to open-top tk. |
| 7:00:00 PM | 175 | 24/64 | 3 | Flwg to open-top tk. |
| 8:00:00 PM | 175 | 24/64 | 3 | Flwg to open-top tk. |

| | | | | |
|---|---|---|---|---|
| 9:00:00 PM | 175 | 24/64 | 5 | Flwg to open-top tk. |
| 10:00:00 PM | 175 | 24/64 | 5 | Flwg to open-top tk. |
| 11:00:00 PM | 175 | 24/64 | 5 | Flwg to open-top tk. |
| 12:00:00 AM | 175 | 24/64 | 3 | Flwg to open-top tk. |
| 1:00:00 AM | 175 | 24/64 | 3 | Flwg to open-top tk. |
| 2:00:00 AM | 175 | 24/64 | 3 | Flwg to open-top tk. |
| 3:00:00 AM | 175 | 24/64 | 5 | Flwg to open-top tk. |
| 4:00:00 AM | 175 | 24/64 | 3 | Flwg to open-top tk. |
| 5:00:00 AM | 175 | 24/64 | 3 | Flwg to open-top tk. |
| 6:00:00 AM | 175 | 24/64 | 3 | Flwg to open-top tk. |
| | | **Ttl Bbls:** | 97 | |

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***4/22/08*** FCP 175 psig. F. 0 BO, 97 BLW, 24 hrs., FCP 175 psig. 24/64" ck. Rets of gas, wtr, lt sd. 0 BLWTR.

*Flow* **Zone:** MV

**Event Desc:** FLOW BACK **Top Interval:** 6,093 **Bottom Interval:** 9,123

| Time | Avg Press | Choke Size | BBLS Rec | Comments |
|---|---|---|---|---|
| 6:00:00 AM | 175 | 24/64 | 3 | Flwg to open-top tk. |
| 7:00:00 AM | 175 | 24/64 | 3 | Flwg to open-top tk. |
| 8:00:00 AM | 175 | 24/64 | 3 | Flwg to open-top tk. |
| 9:00:00 AM | 175 | 24/64 | 5 | Flwg to open-top tk. |
| 10:00:00 AM | 175 | 24/64 | 3 | Flwg to open-top tk. |
| 11:00:00 AM | 175 | 24/64 | 3 | Flwg to open-top tk. |
| 12:00:00 PM | 175 | 24/64 | 5 | Flwg to open-top tk. |
| 1:00:00 PM | 175 | 24/64 | 5 | 13:30 Shut in for breco hook up. |
| 2:00:00 PM | 175 | 24/64 | 3 | 14:10 opened well back to open-top. |
| 3:00:00 PM | 175 | 24/64 | 5 | Flwg to open-top tk. |
| 4:00:00 PM | 175 | 24/64 | 5 | Flwg to open-top tk. |
| 5:00:00 PM | 175 | 24/64 | 5 | Flwg to open-top tk. |
| 6:00:00 PM | 175 | 24/64 | 3 | Flwg to open-top tk. |
| 7:00:00 PM | 175 | 24/64 | 3 | Flwg to open-top tk. |
| 8:00:00 PM | 175 | 24/64 | 3 | Flwg to open-top tk. |
| 9:00:00 PM | 175 | 24/64 | 3 | Flwg to open-top tk. |
| 10:00:00 PM | 175 | 24/64 | 3 | Flwg to open-top tk. |
| 11:00:00 PM | 175 | 24/64 | 3 | Flwg to open-top tk. |
| 12:00:00 AM | 175 | 24/64 | 5 | Flwg to open-top tk. |
| 1:00:00 AM | 175 | 24/64 | 5 | Flwg to open-top tk. |
| 2:00:00 AM | 175 | 24/64 | 3 | Flwg to open-top tk. |
| 3:00:00 AM | 175 | 24/64 | 3 | Flwg to open-top tk. |
| 4:00:00 AM | 175 | 24/64 | 5 | Flwg to open-top tk. |
| 5:00:00 AM | 175 | 24/64 | 5 | Flwg to open-top tk. |
| 6:00:00 AM | 175 | 24/64 | 5 | Flwg to open-top tk. |
| | | **Ttl Bbls:** | 97 | |

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***4/23/08*** FCP 175 psig. F. 0 BO, 20 BLW, 5 hrs. 24/64" ck. Rets of gas, wtr, lt sd. 0 BLWTR.

*Flow* **Zone:** MV

**Event Desc:** FLOW BACK **Top Interval:** 6,093 **Bottom Interval:** 9,123

| Time | Avg Press | Choke Size | BBLS Rec | Comments |
|---|---|---|---|---|
| 6:00:00 AM | 175 | 24/64 | 3 | Flwg to open-top tk. |

| | | | | |
|---|---|---|---|---|
| 7:00:00 AM | 175 | 24/64 | 3 | Flwg to open-top tk. |
| 8:00:00 AM | 175 | 24/64 | 3 | Flwg to open-top tk. |
| 9:00:00 AM | 175 | 24/64 | 5 | Flwg to open-top tk. |
| 10:00:00 AM | 175 | 24/64 | 3 | Flwg to open-top tk. |
| 11:00:00 AM | 175 | 24/64 | 3 | Flwg to open-top tk. |
| | | **Ttl Bbls:** | 20 | |

| | |
|---|---|
| ***4/24/08*** | Compl inst of spool piece in place of check vlv. MI equip to loc. SDFN. Cont rpt for XTO Little Canyon Unit 11-2H, to D & C MV well. FCP 1,089 psig. OWU @ 3:20 p.m., 4-23-08. Delv first gas sales to Questar Gas Management via XTO Waynes Check CDP. IFR 1,400 MCFPD. |
| ***4/25/08*** | F. 0 , 0 , 361 MCF, FTP 0 psig, FCP 154 psig, 16/64, LP 140 psig, SP 0 psig, DP 0 psig, 9 hrs. |
| ***4/26/08*** | F. 0 , 0 , 280 MCF, FTP 0 psig, FCP 168 psig, 16/64, LP 159 psig, SP 0 psig, DP 0 psig, 24 hrs. |
| ***4/27/08*** | F. 8 , 10 , 234 MCF, FTP 0 psig, FCP 149 psig, 16/64, LP 140 psig, SP 0 psig, DP 0 psig, 24 hrs. |
| ***4/28/08*** | F. 0 , 0 , 208 MCF, FTP 0 psig, FCP 140 psig, 16/64, LP 139 psig, SP 0 psig, DP 0 psig, 24 hrs. |
| ***4/29/08*** | F. 0 , 0 , 227 MCF, FTP 0 psig, FCP 120 psig, 16/34, LP 116 psig, SP 0 psig, DP 0 psig, 24 hrs. |

Form 3160-5
(August 2007)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

## SUNDRY NOTICES AND REPORTS ON WELLS

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

***SUBMIT IN TRIPLICATE*** - *Other instructions on page 2*

5. Lease Serial No.
ML-48771

6. If Indian, Allottee or Tribe Name
N/A

7. If Unit or CA/Agreement, Name and/or No.
LITTLE CANYON UNIT

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

8. Well Name and No.
LCU 11-2H

2. Name of Operator
XTO Energy Inc.

9. API Well No.
43-047-36780

3a. Address
382 CR 3100 AZTEC, NM 87410

3b. Phone No. *(include area code)*
505-333-3100

10. Field and Pool, or Exploratory Area
NATURAL BUTTES
WASATCH - MESA VERDE

4. Location of Well *(Footage, Sec., T., R., M., or Survey Description)*
2540' FSL & 1341' FWL NESW SEC 2-T11S-R20E

11. County or Parish, State
UINTAH UTAH

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

| TYPE OF SUBMISSION | TYPE OF ACTION | | | |
|---|---|---|---|---|
| ☐ Notice of Intent | ☐ Acidize | ☐ Deepen | ☐ Production (Start/Resume) | ☐ Water Shut-Off |
| ☒ Subsequent Report | ☐ Alter Casing | ☐ Fracture Treat | ☐ Reclamation | ☐ Well Integrity |
| ☐ Final Abandonment Notice | ☐ Casing Repair | ☐ New Construction | ☐ Recomplete | ☒ Other MAY 2008 MONTHLY REPORTING |
| | ☐ Change Plans | ☐ Plug and Abandon | ☐ Temporarily Abandon | |
| | ☐ Convert to Injection | ☐ Plug Back | ☐ Water Disposal | |

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

Attached is XTO Energy's monthly report for the period of 05/01/2008 thru 05/31/2008.

RECEIVED
JUN 06 2008
DIV. OF OIL, GAS & MINING

14. I hereby certify that the foregoing is true and correct
Name *(Printed/Typed)* JENNIFER M. HEMBRY Title FILE CLERK

Signature Jennifer M. Hembry Date 06/03/2008

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

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

Title 18 U.S.C. Section 1001, and Title 43 U.S.C. Section 1212, makes 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.

DOGM COPY

| | | | |
|---|---|---|---|
| 4:00:00 PM | 1,172 | 64/64 | 25 |
| 5:00:00 PM | 1,120 | 64/64 | 20 |
| 6:00:00 PM | 1,169 | 64/64 | 0 |
| 7:00:00 PM | 1,197 | 64/64 | 0 |
| 8:00:00 PM | 1,218 | 64/64 | 0 |
| 9:00:00 PM | 1,227 | 64/64 | 0 |
| 10:00:00 PM | 1,241 | 64/64 | 0 |
| 11:00:00 PM | 1,255 | 64/64 | 0 |
| 12:00:00 AM | 1,272 | 64/64 | 0 |
| 1:00:00 AM | 1,289 | 64/64 | 0 |
| 2:00:00 AM | 1,305 | 64/64 | 0 |
| 3:00:00 AM | 1,312 | 64/64 | 0 |
| 4:00:00 AM | 1,320 | 64/64 | 0 |
| 5:00:00 AM | 1,331 | 64/64 | 0 |
| 6:00:00 AM | 1,342 | 64/64 | 0 |
| | | **Ttl Bbls:** | 155 |

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***5/24/08*** SICP 1350 psig, MIRU D & S swab rig. RU swb tls & RIH. BFL @ 4900' FS. S. 40 BLW, 8 runs, KO well flwg to tst tnk. F. 0 BO, 125 BLW, 35 hrs & died. SWIFPBU & SDFWE.

*Flow* **Zone:** MV

**Event Desc:** FLOW BACK **Top Interval:** 6,093 **Bottom Interval:** 9,123

| Time | Avg Press | Choke Size | BBLS Rec | Comments |
|---|---|---|---|---|
| 10:00:00 AM | 1,350 | 64/64 | 25 | KWO. |
| 11:00:00 AM | 1,350 | 64/64 | 10 | |
| 12:00:00 PM | 1,350 | 64/64 | 5 | |
| | | **Ttl Bbls:** | 40 | |

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***5/28/08*** SITP 60 psig, SICP 1650 psig. MIRU TECH swab rig. RU swb tls & RIH. BFL @ 2000' FS. S. 20 BLW, 4 runs, KO well flwg to flw bk tnk 64/64" ck. Recd 125 BLW,1 hr. Turn well to production @ 13:00. FTP 800 psig, SICP 1500 psig, 24/64" ck. SDFN.

---

***5/29/08*** F. 53 , 228 , 388 MCF, FTP 97 psig, SICP 964 psig, 48/64, LP 97 psig, SP 0 psig, DP 0 psig, 12 hrs.

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***5/30/08*** F. 28 , 0 , 170 MCF, FTP 7 psig, SICP 1370 psig, 48/64, LP 110 psig, SP 0 psig, DP 0 psig, 24 hrs.

SITP 0 psig, SICP 1517 psig. MIRU Tech Swabbing SWU. Bd tbg. RU & RIH w/swb tls. SN @ 9,032'. BFL @ 4,400' FS. S. 0 BO, 12 BW, 2 runs, 4 hrs. FFL @ 2,800' FS. SITP 650 psig, SICP 1500 psig. RWTP @ 4:00 p.m., 5-30-08. RDMO Tech Swabbing SWU.

---

***5/31/08*** F. 28 , 102 , 603 MCF, FTP 17 psig, SICP 1324 psig, 48/64, LP 113 psig, SP 0 psig, DP 0 psig, 24 hrs.

SITP 0 psig, SICP 1370 psig. MIRU Tech Swabbing SWU. Bd tbg. RU & RIH w/swb tls. SN @ 9,032'. BFL @ 4,900' FS. S. 0 BO, 12 BW, 2 runs, 8 hrs. FFL @ 3,200' FS. SITP 1060 psig, SICP 1350 psig. RWTP @ 2:00 p.m., 5-31-08. RDMO Tech Swabbing SWU.

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3160-5
(August 2007)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

DOGM COPY

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

## SUNDRY NOTICES AND REPORTS ON WELLS

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

***SUBMIT IN TRIPLICATE*** - *Other instructions on page 2*

5. Lease Serial No.
ML-48771

6. If Indian, Allottee or Tribe Name
N/A

7. If Unit or CA/Agreement, Name and/or No.
LITTLE CANYON UNIT

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

8. Well Name and No.
LCU 11-2H

2. Name of Operator
XTO Energy Inc.

9. API Well No.
43-047-36780

3a. Address
382 CR 3100 AZTEC, NM 87410

3b. Phone No. *(include area code)*
505-333-3100

10. Field and Pool, or Exploratory Area
NATURAL BUTTES
WASATCH - MESA VERDE

4. Location of Well *(Footage, Sec., T., R., M., or Survey Description)*
SHL 2540' FSL & 1341' FWL NESW SEC 2-T11S-R20E
BHL 2000' FSL & 2000' FWL NESW SEC 2-T11S-R20E

11. County or Parish, State
UINTAH UTAH

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

| TYPE OF SUBMISSION | TYPE OF ACTION | | | |
|---|---|---|---|---|
| ☐ Notice of Intent | ☐ Acidize | ☐ Deepen | ☐ Production (Start/Resume) | ☐ Water Shut-Off |
| ☒ Subsequent Report | ☐ Alter Casing | ☐ Fracture Treat | ☐ Reclamation | ☐ Well Integrity |
| ☐ Final Abandonment Notice | ☐ Casing Repair | ☐ New Construction | ☐ Recomplete | ☒ Other JUNE 2008 MONTHLY REPORTING |
| | ☐ Change Plans | ☐ Plug and Abandon | ☐ Temporarily Abandon | |
| | ☐ Convert to Injection | ☐ Plug Back | ☐ Water Disposal | |

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

Attached is XTO Energy's monthly report for the period of 06/01/2008 thru 06/30/2008.

RECEIVED
JUL 07 2008
DIV. OF OIL, GAS & MINING

14. I hereby certify that the foregoing is true and correct
Name *(Printed/Typed)* JENNIFER M. HEMBRY Title FILE CLERK

Signature Jennifer M. Hembry Date 07/01/2008

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

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

Title 18 U.S.C. Section 1001, and Title 43 U.S.C. Section 1212, makes 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.

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# Farmington Well Workover Report

| LITTLE CANYON UNIT | Well # 011-02H | MV/WSTC |
|---|---|---|

**Objective:** Swab

**First Report:** 09/21/2007

| | |
|---|---|
| ***6/1/08*** | F. 0 , 0 , 0 MCF, SITP 0 psig, SICP 1525 psig, 48/64, LP 113 psig, SP 0 psig, DP 0 psig, 24 hrs. Off cycle. Logged off. |
| ***6/2/08*** | F. 3 , 3 , 80 MCF, FTP 4 psig, SICP 1360 psig, 48/64, LP 95 psig, SP 0 psig, DP 0 psig, 24 hrs.<br>SITP 0 psig, SICP 1478 psig. MIRU Tech Swabbing SWU. Bd tbg. RU & RIH w/swb tls. SN @ 9,032'. BFL @ 4,200' FS. S. 0 BO, 12 BW, 2 runs, 5 hrs. FFL @ 3,400' FS. SITP 1000 psig, SICP 1285 psig. RWTP @ 12:30 p.m., 6-2-08. RDMO Tech Swabbing SWU. |
| ***6/4/08*** | SITP 0 psig, SICP 1357 psig. MIRU Tech Swabbing SWU. Bd tbg. RU & RIH w/swb tls. SN @ 9,032'. BFL @ 4,600' FS. S. 0 BO, 7 BW, 1 runs, 4 hrs. FFL @ 4,600' FS. SITP 1100 psig, SICP 1300 psig. RWTP @ 10:30 a.m., 6-4-08. RDMO Tech Swabbing SWU. |
| ***6/6/08*** | F. 10 , 185 , 136 MCF, FTP 242 psig, FCP 778 psig, 48/64, LP 58 psig, SP 0 psig, DP 0 psig, 13 hrs. |
| ***6/7/08*** | F. 4 , 35 , 305 MCF, FTP 265 psig, FCP 655 psig, 48/64, LP 62 psig, SP 0 psig, DP 0 psig, 24 hrs. |
| ***6/8/08*** | F. 15 , 201 , 359 MCF, FTP 153 psig, FCP 550 psig, 48/64, LP 58 psig, SP 0 psig, DP 0 psig, 24 hrs. |
| ***6/9/08*** | F. 0 , 92 , 365 MCF, FTP 328 psig, FCP 552 psig, 48/64, LP 48 psig, SP 0 psig, DP 0 psig, 24 hrs. |
| ***6/23/08*** | MIRU Jackson Const Service. Fence rmvd 6/13/08. Pit reclaimed 6/19/08. RDMO Jackson Constuction. Susp rpts pending further activity. Note: Same pit w/ LCU 5-2H |

FORM 9

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

5. LEASE DESIGNATION AND SERIAL NUMBER: ML 48771

# SUNDRY NOTICES AND REPORTS ON WELLS

6. IF INDIAN, ALLOTTEE OR TRIBE NAME: N/A

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.

7. UNIT or CA AGREEMENT NAME: Little Canyon Unit (81878X)

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

8. WELL NAME and NUMBER: LCU 11-2H

2. NAME OF OPERATOR: XTO Energy, Inc.

9. API NUMBER: 4304730779 36780

3. ADDRESS OF OPERATOR: P.O. Box 1360 CITY Roosevelt STATE UT ZIP 84066

PHONE NUMBER: (435) 722-4521

10. FIELD AND POOL, OR WILDCAT: Natural Buttes

4. LOCATION OF WELL

FOOTAGES AT SURFACE: 2540' FSL & 1341' FWL

COUNTY: Uintah

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NESW 2 11S 20E S

STATE: UTAH

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

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

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

Reclaim reserve pit & reseed as per APD on 6/1/08, by Jackson Construction

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AUG 0 1 2008
DIV. OF OIL, GAS & MINING

NAME (PLEASE PRINT) Jody Mecham TITLE Construction Coordinator

SIGNATURE DATE 7/29/2008

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

FORM 9

5. LEASE DESIGNATION AND SERIAL NUMBER: ML-48771

## SUNDRY NOTICES AND REPORTS ON WELLS

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

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

7. UNIT or CA AGREEMENT NAME: LITTLE CANYON UNIT

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

8. WELL NAME and NUMBER: LCU 11-2H

2. NAME OF OPERATOR: XTO ENERGY INC.

9. API NUMBER: 4304736780

3. ADDRESS OF OPERATOR: 382 CR 3100 CITY AZTEC STATE NM ZIP 87410

PHONE NUMBER: (505) 333-3100

10. FIELD AND POOL, OR WILDCAT: NATURAL BUTTES/WSTCH-MV

4. LOCATION OF WELL

FOOTAGES AT SURFACE: 2540' FSL & 1341' FWL

COUNTY: UINTAH

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NESW 2 11S 20E S

STATE: UTAH

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

| TYPE OF SUBMISSION | TYPE OF ACTION | | |
|---|---|---|---|
| ☐ NOTICE OF INTENT (Submit in Duplicate) | ☐ ACIDIZE | ☐ DEEPEN | ☐ REPERFORATE CURRENT FORMATION |
| Approximate date work will start: _____ | ☐ ALTER CASING | ☐ FRACTURE TREAT | ☐ SIDETRACK TO REPAIR WELL |
| | ☐ CASING REPAIR | ☐ NEW CONSTRUCTION | ☐ TEMPORARILY ABANDON |
| | ☐ CHANGE TO PREVIOUS PLANS | ☐ OPERATOR CHANGE | ☐ TUBING REPAIR |
| | ☐ CHANGE TUBING | ☐ PLUG AND ABANDON | ☐ VENT OR FLARE |
| ☑ SUBSEQUENT REPORT (Submit Original Form Only) | ☐ CHANGE WELL NAME | ☐ PLUG BACK | ☐ WATER DISPOSAL |
| Date of work completion: 7/31/2008 | ☐ CHANGE WELL STATUS | ☐ PRODUCTION (START/RESUME) | ☐ WATER SHUT-OFF |
| | ☐ COMMINGLE PRODUCING FORMATIONS | ☐ RECLAMATION OF WELL SITE | ☑ OTHER: JULY '08 MONTHLY REPORT |
| | ☐ CONVERT WELL TYPE | ☐ RECOMPLETE - DIFFERENT FORMATION | |

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

XTO Energy has nothing to report on this well for the period of 7/01/2008 thru 7/31/2008.

NAME (PLEASE PRINT) WANETT MCCAULEY TITLE FILE CLERK

SIGNATURE Wanett McCauley DATE 8/4/2008

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AUG 11 2008
DIV. OF OIL, GAS & MINING

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**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: ML-48771
6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
7. UNIT or CA AGREEMENT NAME: LITTLE CANYON UNIT
1. TYPE OF WELL: OIL WELL ☐ GAS WELL ☑ OTHER
8. WELL NAME and NUMBER: LCU 11-2H
2. NAME OF OPERATOR: XTO ENERGY INC.
9. API NUMBER: 4304736780
3. ADDRESS OF OPERATOR: 382 CR 3100 CITY AZTEC STATE NM ZIP 87410
PHONE NUMBER: (505) 333-3100
10. FIELD AND POOL, OR WILDCAT: NATURAL BUTTES/WSTCH-MV
4. LOCATION OF WELL
FOOTAGES AT SURFACE: 2540' FSL & 1341' FWL
COUNTY: UINTAH
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NESW 2 11S 20E S
STATE: UTAH

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

| TYPE OF SUBMISSION | TYPE OF ACTION | | |
|---|---|---|---|
| ☐ NOTICE OF INTENT (Submit in Duplicate) | ☐ ACIDIZE | ☐ DEEPEN | ☐ REPERFORATE CURRENT FORMATION |
| Approximate date work will start: | ☐ ALTER CASING | ☐ FRACTURE TREAT | ☐ SIDETRACK TO REPAIR WELL |
| | ☐ CASING REPAIR | ☐ NEW CONSTRUCTION | ☐ TEMPORARILY ABANDON |
| | ☐ CHANGE TO PREVIOUS PLANS | ☐ OPERATOR CHANGE | ☐ TUBING REPAIR |
| | ☐ CHANGE TUBING | ☐ PLUG AND ABANDON | ☐ VENT OR FLARE |
| ☑ SUBSEQUENT REPORT (Submit Original Form Only) | ☐ CHANGE WELL NAME | ☐ PLUG BACK | ☐ WATER DISPOSAL |
| Date of work completion: 8/31/2008 | ☐ CHANGE WELL STATUS | ☐ PRODUCTION (START/RESUME) | ☐ WATER SHUT-OFF |
| | ☐ COMMINGLE PRODUCING FORMATIONS | ☐ RECLAMATION OF WELL SITE | ☑ OTHER: AUGUST 08 MONTHLY REPORT |
| | ☐ CONVERT WELL TYPE | ☐ RECOMPLETE - DIFFERENT FORMATION | |

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

XTO Energy has nothing to report on this well for the period of 8/01/2008 thru 8/31/2008.

NAME (PLEASE PRINT) JENNIFER M. HEMBRY TITLE FILE CLERK

SIGNATURE Jennifer M. Hembry DATE 9/3/2008

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FORM 9

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

5. LEASE DESIGNATION AND SERIAL NUMBER: ML-48771

# SUNDRY NOTICES AND REPORTS ON WELLS

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

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

7. UNIT or CA AGREEMENT NAME: LITTLE CANYON UNIT

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

8. WELL NAME and NUMBER: LCU 11-2H

2. NAME OF OPERATOR: XTO ENERGY INC.

9. API NUMBER: 4304736780

3. ADDRESS OF OPERATOR: 382 CR 3100 CITY AZTEC STATE NM ZIP 87410

PHONE NUMBER: (505) 333-3100

10. FIELD AND POOL, OR WILDCAT: NATURAL BUTTES/WSTCH-MV

4. LOCATION OF WELL

FOOTAGES AT SURFACE: 2540' FSL & 1341' FWL

COUNTY: UINTAH

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NESW 2 11S 20E S

STATE: UTAH

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

| TYPE OF SUBMISSION | TYPE OF ACTION | | |
|---|---|---|---|
| ☐ NOTICE OF INTENT (Submit in Duplicate) | ☐ ACIDIZE | ☐ DEEPEN | ☐ REPERFORATE CURRENT FORMATION |
| Approximate date work will start: | ☐ ALTER CASING | ☐ FRACTURE TREAT | ☐ SIDETRACK TO REPAIR WELL |
| | ☐ CASING REPAIR | ☐ NEW CONSTRUCTION | ☐ TEMPORARILY ABANDON |
| | ☐ CHANGE TO PREVIOUS PLANS | ☐ OPERATOR CHANGE | ☐ TUBING REPAIR |
| | ☐ CHANGE TUBING | ☐ PLUG AND ABANDON | ☐ VENT OR FLARE |
| ☑ SUBSEQUENT REPORT (Submit Original Form Only) | ☐ CHANGE WELL NAME | ☐ PLUG BACK | ☐ WATER DISPOSAL |
| Date of work completion: 9/30/2008 | ☐ CHANGE WELL STATUS | ☐ PRODUCTION (START/RESUME) | ☐ WATER SHUT-OFF |
| | ☐ COMMINGLE PRODUCING FORMATIONS | ☐ RECLAMATION OF WELL SITE | ☑ OTHER: SEPTEMBER 08 MONTHLY REPORT |
| | ☐ CONVERT WELL TYPE | ☐ RECOMPLETE - DIFFERENT FORMATION | |

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

Attached is XTO Energy's monthly report on this well for the period of 9/01/2008 thru 9/30/2008.

RECEIVED
OCT 06 2008
DIV. OF OIL, GAS & MINING

NAME (PLEASE PRINT) JENNIFER M. HEMBRY TITLE FILE CLERK

SIGNATURE Jennifer M. Hembry DATE 10/3/2008

(This space for State use only)

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

# EXECUTIVE SUMMARY REPORT

9/1/2008 - 9/30/2008
Report run on 10/2/2008 at 9:29 AM

**Little Canyon Unit 11-02H** - Natural Buttes, 02, 11S, 20E, Uintah, Utah, Tim Friesenhahn, Roosevelt, Flowing

Objective: Swab Well

9/18/2008 SITP 0 psig. SICP 1240 psig. MIRU D & S Swabbing SWU. Bd Tbg. RU & RIH w/swb tls. SN @ 9,032'. BFL @ 3,600' FS. S. 0 BO, 7 BW, 3 run, 5 hrs. FFL @ 3,300' FS. KO well flwg. SITP 960 psig. SICP 1210 psig. RWTP 12:00 p.m., 9-18-08. RDMO D & S Swabbing SWU.

========== Little Canyon Unit 11-02H ==========

Objective: Swab

9/23/2008 SITP 0 psig. SICP 1220 psig. MIRU D&S Swabbing SWU. RU & RIH w/swb tls. SN @ 9,032'. BFL @ 4,500' FS. S. 0 BO, 10 BW, 5 run, 5.5 hrs. FFL @ 2,900' FS. KO well flwg. Cycled plngr. FTP 300 psig. SICP 1175 psig. RWTP 3:00 p.m., 9-23-08. RDMO D&S Swabbing SWU.

========== Little Canyon Unit 11-02H ==========

**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: ML-48771

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT or CA AGREEMENT NAME: LITTLE CANYON UNIT

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

8. WELL NAME and NUMBER: LCU 11-2H

2. NAME OF OPERATOR: XTO ENERGY INC.

9. API NUMBER: 4304736780

3. ADDRESS OF OPERATOR: 382 CR 3100 CITY AZTEC STATE NM ZIP 87410

PHONE NUMBER: (505) 333-3100

10. FIELD AND POOL, OR WILDCAT: NATURAL BUTTES/WSTCH-MV

4. LOCATION OF WELL

FOOTAGES AT SURFACE: 2540' FSL & 1341' FWL

COUNTY: UINTAH

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NESW 2 11S 20E S

STATE: UTAH

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

| TYPE OF SUBMISSION | TYPE OF ACTION | | |
|---|---|---|---|
| ☐ NOTICE OF INTENT (Submit in Duplicate) | ☐ ACIDIZE | ☐ DEEPEN | ☐ REPERFORATE CURRENT FORMATION |
| Approximate date work will start: | ☐ ALTER CASING | ☐ FRACTURE TREAT | ☐ SIDETRACK TO REPAIR WELL |
| | ☐ CASING REPAIR | ☐ NEW CONSTRUCTION | ☐ TEMPORARILY ABANDON |
| | ☐ CHANGE TO PREVIOUS PLANS | ☐ OPERATOR CHANGE | ☐ TUBING REPAIR |
| | ☐ CHANGE TUBING | ☐ PLUG AND ABANDON | ☐ VENT OR FLARE |
| ☑ SUBSEQUENT REPORT (Submit Original Form Only) | ☐ CHANGE WELL NAME | ☐ PLUG BACK | ☐ WATER DISPOSAL |
| | ☐ CHANGE WELL STATUS | ☐ PRODUCTION (START/RESUME) | ☐ WATER SHUT-OFF |
| Date of work completion: 10/31/2008 | ☐ COMMINGLE PRODUCING FORMATIONS | ☐ RECLAMATION OF WELL SITE | ☑ OTHER: OCTOBER 08 MONTHLY REPORT |
| | ☐ CONVERT WELL TYPE | ☐ RECOMPLETE - DIFFERENT FORMATION | |

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

Attached is XTO Energy's monthly report on this well for the period of 10/01/2008 thru 10/31/2008.

RECEIVED
NOV 10 2008
DIV. OF OIL, GAS & MINING

NAME (PLEASE PRINT) JENNIFER M. HEMBRY TITLE FILE CLERK

SIGNATURE Jennifer M. Hembry DATE 11/5/2008

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

# EXECUTIVE SUMMARY REPORT

10/1/2008 - 10/31/2008
Report run on 11/4/2008 at 12:42 PM

**Little Canyon Unit 11-02H -** Natural Buttes, 02, 11S, 20E, Uintah, Utah, Tim Friesenhahn, Roosevelt, Flowing

Objective: Swab

10/16/2008 SITP 0 psig. SICP 1466 psig. MIRU Tech Swabbing SWU. RU & RIH w/swb tls. SN @ 9,032'. BFL @ 3,100' FS. S. 0 BO, 14 BW, 2 run, 6 hrs. FFL @ 3,100' FS. KO well flwg. Cycled plngr. SITP 1172 psig. SICP 1391 psig. RWTP 1:00 p.m., 10-16-08. RDMO Tech Swabbing SWU.

========== Little Canyon Unit 11-02H ==========

Objective: Swab Well

10/27/2008 SITP 0 psig. SICP 1458 psig. MIRU Tech Swabbing SWU. RU & RIH w/swb tls. SN @ 9,032'. BFL @ 2,300' FS. S. 0 BO, 14 BW, 2 run, 10 hrs. FFL @ 2,300' FS. KO well flwg. Cycled plngr. SITP 900 psig. SICP 1338 psig. RWTP 4:00 p.m., 10-27-08. RDMO Tech Swabbing SWU.

========== Little Canyon Unit 11-02H ==========

FORM 9

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

5. LEASE DESIGNATION AND SERIAL NUMBER: ML-48771

# SUNDRY NOTICES AND REPORTS ON WELLS

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

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

7. UNIT or CA AGREEMENT NAME: LITTLE CANYON UNIT

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

8. WELL NAME and NUMBER: LCU 11-2H

2. NAME OF OPERATOR: XTO ENERGY INC.

9. API NUMBER: 4304736780

3. ADDRESS OF OPERATOR: 382 CR 3100 CITY AZTEC STATE NM ZIP 87410

PHONE NUMBER: (505) 333-3100

10. FIELD AND POOL, OR WILDCAT: NATURAL BUTTES/WSTCH-MV

4. LOCATION OF WELL

FOOTAGES AT SURFACE: 2540' FSL & 1341' FWL

COUNTY: UINTAH

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NESW 2 11S 20E S

STATE: UTAH

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

| TYPE OF SUBMISSION | TYPE OF ACTION | | |
|---|---|---|---|
| ☐ NOTICE OF INTENT (Submit in Duplicate) | ☑ ACIDIZE | ☐ DEEPEN | ☐ REPERFORATE CURRENT FORMATION |
| Approximate date work will start: | ☐ ALTER CASING | ☐ FRACTURE TREAT | ☐ SIDETRACK TO REPAIR WELL |
| | ☐ CASING REPAIR | ☐ NEW CONSTRUCTION | ☐ TEMPORARILY ABANDON |
| | ☐ CHANGE TO PREVIOUS PLANS | ☐ OPERATOR CHANGE | ☐ TUBING REPAIR |
| | ☐ CHANGE TUBING | ☐ PLUG AND ABANDON | ☐ VENT OR FLARE |
| ☑ SUBSEQUENT REPORT (Submit Original Form Only) | ☐ CHANGE WELL NAME | ☐ PLUG BACK | ☐ WATER DISPOSAL |
| | ☐ CHANGE WELL STATUS | ☐ PRODUCTION (START/RESUME) | ☐ WATER SHUT-OFF |
| Date of work completion: 11/30/2008 | ☐ COMMINGLE PRODUCING FORMATIONS | ☐ RECLAMATION OF WELL SITE | ☑ OTHER: ~~DECEMBER 08 MONTHLY REPORT~~ |
| | ☐ CONVERT WELL TYPE | ☐ RECOMPLETE - DIFFERENT FORMATION | |

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

Attached is XTO Energy's monthly report on this well for the period of 11/01/2008 thru 11/30/2008.

NAME (PLEASE PRINT) JENNIFER M. HEMBRY TITLE REGULATORY CLERK

SIGNATURE Jennifer M. Hembry DATE 12/5/2008

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DEC 09 2008
DIV. OF OIL, GAS & MINING

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

# EXECUTIVE SUMMARY REPORT

11/1/2008 - 11/30/2008
Report run on 12/3/2008 at 4:37 PM

**Little Canyon Unit 11-02H** - Natural Buttes, 02, 11S, 20E, Uintah, Utah, Tim Friesenhahn, Roosevelt, Flowing
Objective: Swab well/ RWTP

| | |
|---|---|
| 11/5/2008 | SITP 33 psig. SICP 1454 psig. MIRU Tech Swabbing SWU. Bd Tbg. RU & RIH w/swb tls. SN @ 9,032'. BFL @ 4,600' FS. S. 0 BO, 13.36 BW, 2 run, 8.5 hrs. FFL @ 1,500' FS. KO well flwg. Cycled plngr. FTP 600 psig. SICP 1386 psig. RWTP 1:30 p.m., 10-4-08. RDMO Tech Swabbing SWU. |

========== Little Canyon Unit 11-02H ==========

Form 3160-4
(August 2007)

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.: ML-48771

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, Allotee or Tribe Name:

7. Unit or CA Agreement Name and No.: LITTLE CANYON UNIT

2. Name of Operator: XTO Energy Inc.

8. Lease Name and Well No.: LCU 11-2H

3. Address: 382 CR 3100 Aztec, NM 87410

3a. Phone No. *(include area code)*: 505-333-3100

9. API Well No.: 43-047-36780

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

At surface: 2540' FSL & 1341' FWL

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DIV. OF OIL, GAS & MINING

10. Field and Pool, or Exploratory: HILL CREEK/MESAVERDE

At top prod. interval reported below

11. Sec., T., R., M., or Block and Survey or Area: NESW SEC 2-T11S-R20E

At total depth: 1884 FSL 1999 FWL NESW 2000' FSL & 2000' FWL S-2 T11S R20E

12. County or Parish: UINTAH

13. State: UT

| 14. Date Spudded | 15. Date T.D. Reached | 16. Date Completed | 17. Elevations (DF, RKB, RT, GL)* |
|---|---|---|---|
| 9/28/07 | 1/09/2008 | ☐ D & A ☒ Ready to Prod. | 5420' GL |

| 18. Total Depth: MD / TVD | 19. Plug Back T.D.: MD / TVD | 20. Depth Bridge Plug Set: MD / TVD |
|---|---|---|
| 9274 / 9192 | 9165 / 9056 | |

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)

HI-RES LA/GR, LD-COMP N/HI-RES LA, LD-COMP NUE/GR, CP/GR, DS, CBL

22. Was well cored? ☒ No ☐ Yes (Submit analysis)
Was DST run ☒ No ☐ Yes (Submit report)
Directional Survey? ☐ No ☒ Yes (Submit copy)

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 |
|---|---|---|---|---|---|---|---|---|---|
| 26" | 20" | | 0 | 40 | | REDI 125 | | SURF | |
| 17-1/2" | 13.4/J55 | 61# | 0 | 496 | | PREM 500 | | SURF | |
| 12-1/4" | 9.63/J55 | 36# | 0 | 4301 | | V 730 | | SURF | |
| 7-7/8" | 5.5/N80 | 17# | 0 | 9200 | | G 950 | | 4301 | |
| | | | | | | | | | |
| | | | | | | | | | |

24. Tubing Record

| Size | Depth Set (MD) | Packer Depth (MD) | Size | Depth Set (MD) | Packer Depth (MD) | Size | Depth Set (MD) | Packer Depth (MD) |
|---|---|---|---|---|---|---|---|---|
| 2-3/8" | 9033 | | | | | | | |

25. Producing Intervals / 26. Perforation Record

| | Formation | Top | Bottom | Perforated Interval | Size | No. Holes | Perf. Status |
|---|---|---|---|---|---|---|---|
| A) | MESAVERDE | 6093' | 9123' | 6093' - 9123' | 0.35" | 168 | |
| B) | | | | | | | |
| C) | | | | | | | |
| D) | | | | | | | |

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

| Depth Interval | Amount and Type of Material |
|---|---|
| 6093' - 9123' | A. w/138 bbl 15% HCl acid. Frac'd w/70QCO2 foamed WF145CO2 fld, w/138,978 gal 2% KCl wtr carrying 258,000# 20/40 Tempered LC sd & 150,870# 20/40 Super LC sd. & frac'd w/60QN2 foamed WF145N2 fld, w/51,666 gal 2% KCl wtr carrying 86,400# 20/40 Jordan sd & 53,300# 20/40 Super LC sd. |

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 |
|---|---|---|---|---|---|---|---|---|---|
| 4/23/2008 | 4/25/2008 | 24 | → | 0 | 280 | 0 | | | FLOWING |

| Choke Size | Tbg. Press. Flwg. SI | Csg. Press. | 24 Hr. | Oil BBL | Gas MCF | Water BBL | Gas: Oil Ratio | Well Status |
|---|---|---|---|---|---|---|---|---|
| 16/64 | 0 | 168 | → | 0 | 280 | 0 | | PRODUCING |

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. | Oil BBL | Gas MCF | Water BBL | Gas: Oil Ratio | Well Status |
|---|---|---|---|---|---|---|---|---|
| | | | → | | | | | |

DOGM COPY

(See instructions and spaces for additional data on page 2)

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. →** | **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. →** | **Oil BBL** | **Gas MCF** | **Water BBL** | **Gas: Oil Ratio** | **Well Status** | |
| | | | | | | | | | |

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

TO BE 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 | 946 |
| | | | | MAHOGENY | 1740 |
| | | | | WASATCH TONGUE | 3776 |
| | | | | UTELAND LIMESTONE | 4115 |
| | | | | WASATCH | 4257 |
| | | | | CHAPITA WELLS | 5038 |
| | | | | UTELAND BUTTE | 6310 |
| | | | | MESAVERDE | 7063 |

32. Additional remarks (include plugging procedure):

33. Indicate which items have bee attached by placing a check in the appropriate boxes:

☐ Electrical/Mechanical Logs (1 full set req'd) ☐ Geologic Report ☐ DST Report ☐ Directional Survey

☐ Sundry Notice for plugging and cement verification ☐ Core Analysis ☐ Other:

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

Name *(please print)* WANETT MCCAULEY Title REGULATORY CLERK

Signature Wanett McCauley Date 12/31/2008

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.

(Continued on page 3)

# XTO Energy

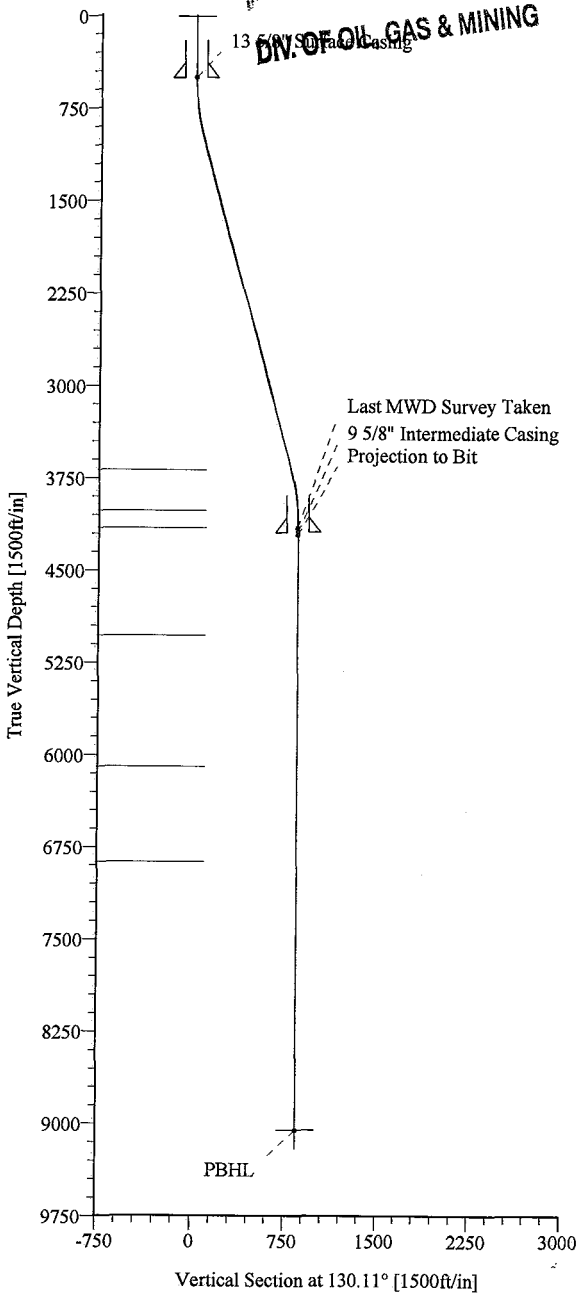
LCU #11-2H
Uintah County, Utah
Section 2,T11S,R20E

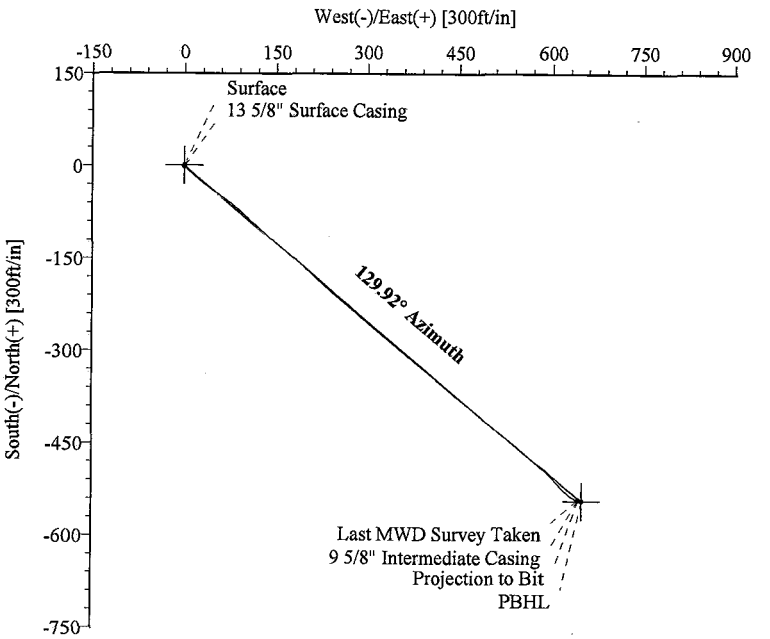



Azimuths to Grid North
True North: -1.18°
Magnetic North: 10.37°

Magnetic Field
Strength: 52655nT
Dip Angle: 65.84°
Date: 12/27/2007
Model: igrf2005

XTO ENERGY




ANNOTATIONS

| No. | TVD | MD | Annotation |
|---|---|---|---|
| 1 | 500.00 | 500.00 | 13 5/8" Surface Casing |
| 2 | 4161.73 | 4268.00 | Last MWD Survey Taken |
| 3 | 4191.00 | 4297.27 | 9 5/8" Intermediate Casing |
| 4 | 4213.72 | 4320.00 | Projection to Bit |

TARGET DETAILS

| Name | TVD | +N/-S | +E/-W | Northing | Easting | Latitude | Longitude | Shape |
|---|---|---|---|---|---|---|---|---|
| Surface | 0.00 | 0.00 | 0.00 | 7133748.39 | 2159319.52 | 39°53'21.160N | 109°39'01.930W | Point |
| PBHL | 9050.00 | -543.48 | 649.54 | 7133204.91 | 2159969.06 | 39°53'15.657N | 109°38'53.742W | Point |

SECTION DETAILS

| Sec | MD | Inc | Azi | TVD | +N/-S | +E/-W | DLeg | TFace | VSec | Target |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 4268.00 | 0.90 | 125.30 | 4161.73 | -541.85 | 643.09 | 0.00 | 0.00 | 840.93 | |
| 2 | 4320.00 | 0.90 | 125.30 | 4213.72 | -542.33 | 643.76 | 0.00 | 0.00 | 841.75 | |

Drawn By: DLV
Date Created: 12/24/07
Date Revised: 01/02/08
file: XTO Energy - LCU #11-2H Final as Drilled.gpf32

# Strata Directional Technology, Inc.
## Survey Report

| | | | | | |
|---|---|---|---|---|---|
| **Company:** | XTO Energy, Inc. | **Date:** 1/3/2008 | **Time:** 09:34:17 | **Page:** | 1 |
| **Field:** | Uintah County, Utah | **Co-ordinate(NE) Reference:** | Well: LCU #11-2H, Grid North | | |
| **Site:** | LCU #11-2H | **Vertical (TVD) Reference:** | SITE 5443.0 | | |
| **Well:** | LCU #11-2H | **Section (VS) Reference:** | Well (0.00N,0.00E,130.11Azi) | | |
| **Wellpath:** | Target MWD Surveys | **Survey Calculation Method:** | Minimum Curvature | **Db:** | Sybase |

**Field:** Uintah County, Utah

| | | | |
|---|---|---|---|
| **Map System:** | US State Plane Coordinate System 1983 | **Map Zone:** | Utah, Central Zone |
| **Geo Datum:** | GRS 1980 | **Coordinate System:** | Well Centre |
| **Sys Datum:** | Mean Sea Level | **Geomagnetic Model:** | igrf2005 |

**Site:** LCU #11-2H

| | | | | | | |
|---|---|---|---|---|---|---|
| **Site Position:** | | **Northing:** | 7133748.39 ft | **Latitude:** | 39 53 21.160 | N |
| **From:** | Geographic | **Easting:** | 2159319.52 ft | **Longitude:** | 109 39 1.930 | W |
| **Position Uncertainty:** | 0.00 ft | | | **North Reference:** | Grid | |
| **Ground Level:** | 5429.00 ft | | | **Grid Convergence:** | 1.18 deg | |

**Well:** LCU #11-2H **Slot Name:**

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Well Position:** | +N/-S | 0.00 ft | **Northing:** | 7133748.39 ft | **Latitude:** | 39 53 21.160 | N |
| | +E/-W | 0.00 ft | **Easting:** | 2159319.52 ft | **Longitude:** | 109 39 1.930 | W |
| **Position Uncertainty:** | | 0.00 ft | | | | | |

**Wellpath:** Target MWD Surveys

| | | | | | |
|---|---|---|---|---|---|
| **Drilled From:** | Surface | | | | |
| **Tie-on Depth:** | 0.00 ft | | | | |
| **Current Datum:** | SITE | **Height** | 5443.00 ft | **Above System Datum:** | Mean Sea Level |
| **Magnetic Data:** | 12/27/2007 | | | **Declination:** | 11.55 deg |
| **Field Strength:** | 52655 nT | | | **Mag Dip Angle:** | 65.84 deg |

| **Vertical Section:** | **Depth From (TVD)** ft | **+N/-S** ft | **+E/-W** ft | **Direction** deg |
|---|---|---|---|---|
| | 0.00 | 0.00 | 0.00 | 130.11 |

**Survey:** Target MWD Surveys **Start Date:** 12/27/2007

| | | | |
|---|---|---|---|
| **Company:** | Strata Directional Technology, | **Engineer:** | David Vogler |
| **Tool:** | | **Tied-to:** | From Surface |

**Survey:** Target MWD Surveys

| MD ft | Incl deg | Azim deg | TVD ft | +N/-S ft | +E/-W ft | VS ft | DLS deg/100ft | Build deg/100ft | Turn deg/100ft | Tool/Comment |
|---|---|---|---|---|---|---|---|---|---|---|
| 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 520.00 | 0.30 | 170.00 | 520.00 | -1.34 | 0.24 | 1.04 | 0.06 | 0.06 | 0.00 | |
| 550.00 | 0.40 | 125.50 | 550.00 | -1.48 | 0.34 | 1.21 | 0.94 | 0.33 | -148.33 | |
| 579.00 | 0.90 | 136.70 | 579.00 | -1.70 | 0.57 | 1.54 | 1.77 | 1.72 | 38.62 | |
| 612.00 | 1.50 | 133.30 | 611.99 | -2.19 | 1.07 | 2.23 | 1.83 | 1.82 | -10.30 | |
| 642.00 | 2.10 | 133.20 | 641.97 | -2.83 | 1.75 | 3.17 | 2.00 | 2.00 | -0.33 | |
| 716.00 | 4.30 | 134.00 | 715.85 | -5.69 | 4.74 | 7.29 | 2.97 | 2.97 | 1.08 | |
| 747.00 | 5.70 | 133.10 | 746.73 | -7.55 | 6.70 | 9.99 | 4.52 | 4.52 | -2.90 | |
| 776.00 | 7.30 | 131.60 | 775.55 | -9.76 | 9.13 | 13.27 | 5.55 | 5.52 | -5.17 | |
| 807.00 | 8.80 | 131.50 | 806.24 | -12.64 | 12.38 | 17.61 | 4.84 | 4.84 | -0.32 | |
| 837.00 | 9.90 | 130.70 | 835.84 | -15.84 | 16.05 | 22.48 | 3.69 | 3.67 | -2.67 | |
| 866.00 | 10.70 | 129.40 | 864.37 | -19.17 | 20.02 | 27.66 | 2.87 | 2.76 | -4.48 | |
| 896.00 | 11.60 | 128.50 | 893.81 | -22.82 | 24.53 | 33.46 | 3.06 | 3.00 | -3.00 | |
| 927.00 | 12.40 | 128.20 | 924.13 | -26.82 | 29.59 | 39.91 | 2.59 | 2.58 | -0.97 | |
| 958.00 | 13.20 | 127.70 | 954.36 | -31.04 | 35.00 | 46.77 | 2.61 | 2.58 | -1.61 | |
| 989.00 | 14.10 | 127.90 | 984.48 | -35.52 | 40.78 | 54.08 | 2.91 | 2.90 | 0.65 | |
| 1019.00 | 14.90 | 127.30 | 1013.53 | -40.11 | 46.74 | 61.58 | 2.71 | 2.67 | -2.00 | |
| 1050.00 | 14.90 | 125.90 | 1043.49 | -44.86 | 53.13 | 69.54 | 1.16 | 0.00 | -4.52 | |
| 1082.00 | 15.30 | 124.60 | 1074.38 | -49.67 | 59.94 | 77.84 | 1.64 | 1.25 | -4.06 | |
| 1145.00 | 15.30 | 125.30 | 1135.15 | -59.19 | 73.57 | 94.40 | 0.29 | 0.00 | 1.11 | |
| 1177.00 | 15.00 | 129.20 | 1166.04 | -64.25 | 80.22 | 102.75 | 3.32 | -0.94 | 12.19 | |
| 1240.00 | 15.20 | 132.50 | 1226.86 | -74.98 | 92.63 | 119.15 | 1.40 | 0.32 | 5.24 | |
| 1273.00 | 14.90 | 132.70 | 1258.73 | -80.78 | 98.94 | 127.71 | 0.92 | -0.91 | 0.61 | |
| 1336.00 | 15.20 | 131.90 | 1319.57 | -91.79 | 111.04 | 144.06 | 0.58 | 0.48 | -1.27 | |

# Strata Directional Technology, Inc.

## Survey Report

| | | | | | |
|---|---|---|---|---|---|
| **Company:** | XTO Energy, Inc. | **Date:** 1/3/2008 | **Time:** 09:34:17 | **Page:** | 2 |
| **Field:** | Uintah County, Utah | **Co-ordinate(NE) Reference:** | Well: LCU #11-2H, Grid North | | |
| **Site:** | LCU #11-2H | **Vertical (TVD) Reference:** | SITE 5443.0 | | |
| **Well:** | LCU #11-2H | **Section (VS) Reference:** | Well (0.00N,0.00E,130.11Azi) | | |
| **Wellpath:** | Target MWD Surveys | **Survey Calculation Method:** | Minimum Curvature | **Db:** | Sybase |

**Survey:** Target MWD Surveys

| MD ft | Incl deg | Azim deg | TVD ft | +N/-S ft | +E/-W ft | VS ft | DLS deg/100ft | Build deg/100ft | Turn deg/100ft | Tool/Comment |
|---|---|---|---|---|---|---|---|---|---|---|
| 1367.00 | 14.90 | 131.60 | 1349.51 | -97.15 | 117.04 | 152.10 | 1.00 | -0.97 | -0.97 | |
| 1430.00 | 14.90 | 131.50 | 1410.39 | -107.89 | 129.17 | 168.30 | 0.04 | 0.00 | -0.16 | |
| 1460.00 | 14.80 | 131.50 | 1439.39 | -112.99 | 134.92 | 175.98 | 0.33 | -0.33 | 0.00 | |
| 1525.00 | 15.30 | 130.30 | 1502.16 | -124.04 | 147.68 | 192.86 | 0.91 | 0.77 | -1.85 | |
| 1588.00 | 15.50 | 129.30 | 1562.89 | -134.74 | 160.54 | 209.59 | 0.53 | 0.32 | -1.59 | |
| 1620.00 | 15.20 | 128.30 | 1593.75 | -140.05 | 167.14 | 218.06 | 1.25 | -0.94 | -3.12 | |
| 1684.00 | 14.90 | 129.90 | 1655.56 | -150.53 | 180.03 | 234.67 | 0.80 | -0.47 | 2.50 | |
| 1747.00 | 15.40 | 132.30 | 1716.37 | -161.36 | 192.44 | 251.13 | 1.27 | 0.79 | 3.81 | |
| 1779.00 | 15.10 | 132.40 | 1747.24 | -167.03 | 198.66 | 259.54 | 0.94 | -0.94 | 0.31 | |
| 1872.00 | 15.70 | 132.10 | 1836.90 | -183.63 | 216.94 | 284.22 | 0.65 | 0.65 | -0.32 | |
| 1904.00 | 15.80 | 132.30 | 1867.70 | -189.46 | 223.37 | 292.90 | 0.36 | 0.31 | 0.62 | |
| 1968.00 | 15.60 | 131.20 | 1929.31 | -201.00 | 236.29 | 310.21 | 0.56 | -0.31 | -1.72 | |
| 1999.00 | 15.60 | 130.10 | 1959.17 | -206.43 | 242.62 | 318.55 | 0.95 | 0.00 | -3.55 | |
| 2063.00 | 15.50 | 129.60 | 2020.83 | -217.42 | 255.79 | 335.70 | 0.26 | -0.16 | -0.78 | |
| 2094.00 | 15.40 | 129.40 | 2050.71 | -222.67 | 262.16 | 343.96 | 0.37 | -0.32 | -0.65 | |
| 2126.00 | 15.50 | 128.90 | 2081.55 | -228.06 | 268.77 | 352.49 | 0.52 | 0.31 | -1.56 | |
| 2191.00 | 15.80 | 129.60 | 2144.14 | -239.15 | 282.35 | 370.02 | 0.55 | 0.46 | 1.08 | |
| 2222.00 | 15.90 | 130.30 | 2173.96 | -244.59 | 288.84 | 378.48 | 0.70 | 0.32 | 2.26 | |
| 2254.00 | 15.90 | 130.40 | 2204.74 | -250.26 | 295.52 | 387.25 | 0.09 | 0.00 | 0.31 | |
| 2285.00 | 15.70 | 130.00 | 2234.57 | -255.71 | 301.97 | 395.69 | 0.73 | -0.65 | -1.29 | |
| 2318.00 | 15.60 | 129.80 | 2266.34 | -261.42 | 308.80 | 404.59 | 0.34 | -0.30 | -0.61 | |
| 2350.00 | 15.70 | 129.20 | 2297.16 | -266.91 | 315.46 | 413.23 | 0.59 | 0.31 | -1.87 | |
| 2381.00 | 15.90 | 128.50 | 2326.99 | -272.21 | 322.03 | 421.66 | 0.89 | 0.65 | -2.26 | |
| 2413.00 | 16.00 | 128.50 | 2357.76 | -277.68 | 328.91 | 430.45 | 0.31 | 0.31 | 0.00 | |
| 2444.00 | 16.40 | 129.00 | 2387.52 | -283.09 | 335.66 | 439.10 | 1.37 | 1.29 | 1.61 | |
| 2476.00 | 16.20 | 129.60 | 2418.24 | -288.78 | 342.61 | 448.08 | 0.82 | -0.62 | 1.87 | |
| 2508.00 | 16.00 | 130.10 | 2448.98 | -294.47 | 349.42 | 456.95 | 0.76 | -0.62 | 1.56 | |
| 2539.00 | 16.20 | 129.90 | 2478.77 | -300.00 | 356.01 | 465.55 | 0.67 | 0.65 | -0.65 | |
| 2572.00 | 16.30 | 129.30 | 2510.45 | -305.88 | 363.12 | 474.78 | 0.59 | 0.30 | -1.82 | |
| 2604.00 | 16.10 | 129.10 | 2541.18 | -311.52 | 370.04 | 483.71 | 0.65 | -0.62 | -0.62 | |
| 2666.00 | 15.80 | 128.80 | 2600.79 | -322.23 | 383.29 | 500.75 | 0.50 | -0.48 | -0.48 | |
| 2729.00 | 15.30 | 129.30 | 2661.48 | -332.87 | 396.41 | 517.63 | 0.82 | -0.79 | 0.79 | |
| 2856.00 | 15.00 | 130.10 | 2784.07 | -354.07 | 421.94 | 550.82 | 0.29 | -0.24 | 0.63 | |
| 2920.00 | 14.90 | 130.00 | 2845.90 | -364.70 | 434.58 | 567.33 | 0.16 | -0.16 | -0.16 | |
| 2952.00 | 15.00 | 129.60 | 2876.82 | -369.98 | 440.92 | 575.59 | 0.45 | 0.31 | -1.25 | |
| 3015.00 | 15.30 | 128.10 | 2937.63 | -380.31 | 453.75 | 592.05 | 0.78 | 0.48 | -2.38 | |
| 3079.00 | 14.90 | 128.40 | 2999.42 | -390.63 | 466.84 | 608.71 | 0.64 | -0.62 | 0.47 | |
| 3142.00 | 14.00 | 129.90 | 3060.43 | -400.55 | 479.04 | 624.43 | 1.55 | -1.43 | 2.38 | |
| 3174.00 | 13.90 | 131.30 | 3091.49 | -405.57 | 484.89 | 632.14 | 1.10 | -0.31 | 4.37 | |
| 3206.00 | 14.00 | 131.40 | 3122.54 | -410.66 | 490.68 | 639.85 | 0.32 | 0.31 | 0.31 | |
| 3238.00 | 13.90 | 131.00 | 3153.60 | -415.74 | 496.49 | 647.56 | 0.43 | -0.31 | -1.25 | |
| 3301.00 | 14.50 | 130.60 | 3214.67 | -425.84 | 508.19 | 663.02 | 0.97 | 0.95 | -0.63 | |
| 3364.00 | 14.30 | 129.80 | 3275.69 | -435.96 | 520.15 | 678.68 | 0.45 | -0.32 | -1.27 | |
| 3396.00 | 14.00 | 129.60 | 3306.72 | -440.95 | 526.17 | 686.51 | 0.95 | -0.94 | -0.62 | |
| 3459.00 | 14.80 | 130.10 | 3367.74 | -450.99 | 538.20 | 702.17 | 1.29 | 1.27 | 0.79 | |
| 3491.00 | 14.90 | 130.60 | 3398.67 | -456.30 | 544.45 | 710.38 | 0.51 | 0.31 | 1.56 | |
| 3554.00 | 15.40 | 130.10 | 3459.48 | -466.96 | 557.00 | 726.84 | 0.82 | 0.79 | -0.79 | |
| 3618.00 | 15.60 | 130.10 | 3521.16 | -477.98 | 570.08 | 743.94 | 0.31 | 0.31 | 0.00 | |
| 3681.00 | 14.80 | 130.30 | 3581.95 | -488.64 | 582.70 | 760.46 | 1.27 | -1.27 | 0.32 | |
| 3713.00 | 14.00 | 131.90 | 3612.95 | -493.87 | 588.69 | 768.42 | 2.79 | -2.50 | 5.00 | |
| 3746.00 | 12.70 | 134.60 | 3645.05 | -499.08 | 594.25 | 776.02 | 4.37 | -3.94 | 8.18 | |
| 3777.00 | 12.00 | 137.20 | 3675.34 | -503.84 | 598.87 | 782.62 | 2.88 | -2.26 | 8.39 | |
| 3808.00 | 12.00 | 137.80 | 3705.66 | -508.59 | 603.22 | 789.01 | 0.40 | 0.00 | 1.94 | |

# Strata Directional Technology, Inc.

## Survey Report

| | | | | | |
|---|---|---|---|---|---|
| **Company:** | XTO Energy, Inc. | **Date:** 1/3/2008 | **Time:** 09:34:17 | **Page:** | 3 |
| **Field:** | Uintah County, Utah | **Co-ordinate(NE) Reference:** | Well: LCU #11-2H, Grid North | | |
| **Site:** | LCU #11-2H | **Vertical (TVD) Reference:** | SITE 5443.0 | | |
| **Well:** | LCU #11-2H | **Section (VS) Reference:** | Well (0.00N,0.00E,130.11Azi) | | |
| **Wellpath:** | Target MWD Surveys | **Survey Calculation Method:** | Minimum Curvature | **Db:** | Sybase |

**Survey:** Target MWD Surveys

| MD ft | Incl deg | Azim deg | TVD ft | +N/-S ft | +E/-W ft | VS ft | DLS deg/100ft | Build deg/100ft | Turn deg/100ft | Tool/Comment |
|---|---|---|---|---|---|---|---|---|---|---|
| 3840.00 | 11.70 | 137.90 | 3736.98 | -513.46 | 607.63 | 795.52 | 0.94 | -0.94 | 0.31 | |
| 3872.00 | 11.30 | 136.80 | 3768.34 | -518.16 | 611.95 | 801.85 | 1.43 | -1.25 | -3.44 | |
| 3904.00 | 10.80 | 135.00 | 3799.74 | -522.56 | 616.22 | 807.95 | 1.90 | -1.56 | -5.62 | |
| 3935.00 | 9.90 | 133.80 | 3830.24 | -526.46 | 620.19 | 813.51 | 2.99 | -2.90 | -3.87 | |
| 3967.00 | 8.60 | 131.40 | 3861.82 | -529.95 | 623.97 | 818.64 | 4.24 | -4.06 | -7.50 | |
| 3998.00 | 7.30 | 128.10 | 3892.52 | -532.69 | 627.26 | 822.93 | 4.44 | -4.19 | -10.65 | |
| 4030.00 | 6.60 | 125.20 | 3924.29 | -535.01 | 630.37 | 826.79 | 2.45 | -2.19 | -9.06 | |
| 4061.00 | 5.80 | 122.00 | 3955.11 | -536.86 | 633.15 | 830.12 | 2.81 | -2.58 | -10.32 | |
| 4094.00 | 5.10 | 118.40 | 3987.96 | -538.45 | 635.85 | 833.20 | 2.36 | -2.12 | -10.91 | |
| 4125.00 | 4.10 | 114.70 | 4018.86 | -539.56 | 638.07 | 835.62 | 3.36 | -3.23 | -11.94 | |
| 4157.00 | 3.10 | 115.30 | 4050.79 | -540.41 | 639.89 | 837.56 | 3.13 | -3.12 | 1.87 | |
| 4189.00 | 2.10 | 110.50 | 4082.76 | -540.99 | 641.23 | 838.95 | 3.20 | -3.12 | -15.00 | |
| 4268.00 | 0.90 | 125.30 | 4161.73 | -541.85 | 643.09 | 840.93 | 1.58 | -1.52 | 18.73 | |
| 4320.00 | 0.90 | 125.30 | 4213.72 | -542.33 | 643.76 | 841.75 | 0.00 | 0.00 | 0.00 | |

# Strata Directional Technology, Inc.
## Planning Report

| | | | | | |
|---|---|---|---|---|---|
| **Company:** | XTO Energy, Inc. | **Date:** 1/3/2008 | **Time:** 09:33:41 | **Page:** | 1 |
| **Field:** | Uintah County, Utah | **Co-ordinate(NE) Reference:** | Well: LCU #11-2H, Grid North | | |
| **Site:** | LCU #11-2H | **Vertical (TVD) Reference:** | SITE 5443.0 | | |
| **Well:** | LCU #11-2H | **Section (VS) Reference:** | Well (0.00N,0.00E,130.11Azi) | | |
| **Wellpath:** | Projection | **Plan:** | Projection | | |

**Field:** Uintah County, Utah

| | | | |
|---|---|---|---|
| **Map System:** | US State Plane Coordinate System 1983 | **Map Zone:** | Utah, Central Zone |
| **Geo Datum:** | GRS 1980 | **Coordinate System:** | Well Centre |
| **Sys Datum:** | Mean Sea Level | **Geomagnetic Model:** | igrf2005 |

**Site:** LCU #11-2H

| | | | | | |
|---|---|---|---|---|---|
| **Site Position:** | | **Northing:** | 7133748.39 ft | **Latitude:** | 39 53 21.160 N |
| **From:** | Geographic | **Easting:** | 2159319.52 ft | **Longitude:** | 109 39 1.930 W |
| **Position Uncertainty:** | 0.00 ft | | | **North Reference:** | Grid |
| **Ground Level:** | 5429.00 ft | | | **Grid Convergence:** | 1.18 deg |

**Well:** LCU #11-2H **Slot Name:**

| | | | | | | |
|---|---|---|---|---|---|---|
| **Well Position:** | +N/-S | 0.00 ft | **Northing:** | 7133748.39 ft | **Latitude:** | 39 53 21.160 N |
| | +E/-W | 0.00 ft | **Easting :** | 2159319.52 ft | **Longitude:** | 109 39 1.930 W |
| **Position Uncertainty:** | | 0.00 ft | | | | |

**Wellpath:** Projection

| | | | | | |
|---|---|---|---|---|---|
| **Current Datum:** | SITE | **Height** 5443.00 ft | **Drilled From:** | Target MWD Surveys | |
| **Magnetic Data:** | 12/27/2007 | | **Tie-on Depth:** | 4268.00 ft | |
| **Field Strength:** | 52655 nT | | **Above System Datum:** | Mean Sea Level | |
| **Vertical Section:** | | | **Declination:** | 11.55 deg | |
| | | | **Mag Dip Angle:** | 65.84 deg | |

| Depth From (TVD) ft | +N/-S ft | +E/-W ft | Direction deg |
|---|---|---|---|
| 0.00 | 0.00 | 0.00 | 130.11 |

**Plan:** Projection **Date Composed:** 12/27/2007

**Principal:** Yes **Version:** 1

**Tied-to:** From: Definitive Path

**Plan Section Information**

| MD ft | Incl deg | Azim deg | TVD ft | +N/-S ft | +E/-W ft | DLS deg/100ft | Build deg/100ft | Turn deg/100ft | TFO deg | Target |
|---|---|---|---|---|---|---|---|---|---|---|
| 4268.00 | 0.90 | 125.30 | 4161.73 | -541.85 | 643.09 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 4320.00 | 0.90 | 125.30 | 4213.72 | -542.33 | 643.76 | 0.00 | 0.00 | 0.00 | 0.00 | |

**Section** 1 : Start Turn 0.00

| MD ft | Incl deg | Azim deg | TVD ft | +N/-S ft | +E/-W ft | VS ft | DLS deg/100ft | Build deg/100ft | Turn deg/100ft | TFO deg |
|---|---|---|---|---|---|---|---|---|---|---|
| 500.00 | 0.29 | 170.00 | 500.00 | -1.24 | 0.22 | 0.97 | 0.00 | 0.00 | 0.00 | 0.00 |
| 4268.00 | 0.90 | 125.30 | 4161.73 | -541.85 | 643.09 | 840.93 | 0.02 | 0.02 | -1.19 | -60.97 |
| 4297.27 | 0.90 | 125.30 | 4191.00 | -542.12 | 643.46 | 841.39 | 0.00 | 0.00 | 0.00 | 0.00 |
| 4300.00 | 0.90 | 125.30 | 4193.73 | -542.14 | 643.50 | 841.43 | 0.00 | 0.00 | 0.00 | 0.00 |
| 4320.00 | 0.90 | 125.30 | 4213.72 | -542.33 | 643.76 | 841.75 | 0.00 | 0.00 | 0.00 | 0.00 |

**Survey**

| MD ft | Incl deg | Azim deg | TVD ft | +N/-S ft | +E/-W ft | VS ft | DLS deg/100ft | Build deg/100ft | Turn deg/100ft | Tool/Comment |
|---|---|---|---|---|---|---|---|---|---|---|
| 500.00 | 0.29 | 170.00 | 500.00 | -1.24 | 0.22 | 0.97 | 0.00 | 0.00 | 0.00 | 13 3/8" Surface |
| 4268.00 | 0.90 | 125.30 | 4161.73 | -541.85 | 643.09 | 840.93 | 0.02 | 0.02 | -1.19 | Last MWD Survey Taken |
| 4297.27 | 0.90 | 125.30 | 4191.00 | -542.12 | 643.46 | 841.39 | 0.00 | 0.00 | 0.00 | 9 5/8" Intermediate |
| 4300.00 | 0.90 | 125.30 | 4193.73 | -542.14 | 643.50 | 841.43 | 0.00 | 0.00 | 0.00 | |
| 4320.00 | 0.90 | 125.30 | 4213.72 | -542.33 | 643.76 | 841.75 | 0.00 | 0.00 | 0.00 | Projection to Bit |

# Strata Directional Technology, Inc.
## Planning Report

| | | | | | |
|---|---|---|---|---|---|
| **Company:** | XTO Energy, Inc. | **Date:** 1/3/2008 | **Time:** 09:33:41 | **Page:** | 2 |
| **Field:** | Uintah County, Utah | **Co-ordinate(NE) Reference:** | Well: LCU #11-2H, Grid North | | |
| **Site:** | LCU #11-2H | **Vertical (TVD) Reference:** | SITE 5443.0 | | |
| **Well:** | LCU #11-2H | **Section (VS) Reference:** | Well (0.00N,0.00E,130.11Azi) | | |
| **Wellpath:** | Projection | **Plan:** | Projection | | |

**Targets**

| Name | Description Dip. | Dir. | TVD ft | +N/-S ft | +E/-W ft | Map Northing ft | Map Easting ft | <---- Latitude ----> Deg Min Sec | <--- Longitude ---> Deg Min Sec |
|---|---|---|---|---|---|---|---|---|---|
| Surface | | | 0.00 | 0.00 | 0.00 | 7133748.39 | 2159319.52 | 39 53 21.160 N | 109 39 1.930 W |
| PBHL | | | 9050.00 | -543.48 | 649.54 | 7133204.91 | 2159969.06 | 39 53 15.657 N | 109 38 53.742 W |

**Casing Points**

| MD ft | TVD ft | Diameter in | Hole Size in | Name |
|---|---|---|---|---|
| 500.00 | 500.00 | 13.375 | 17.500 | 13 3/8" Surface |
| 4297.27 | 4191.00 | 9.625 | 12.250 | 9 5/8" Intermediate |
| | 9050.00 | 5.500 | 6.000 | 5 1/2" Production |

**Formations**

| MD ft | TVD ft | Formations | Lithology | Dip Angle deg | Dip Direction deg |
|---|---|---|---|---|---|
| | 0.00 | Wasatch Tongue | | 0.00 | 0.00 |
| | 0.00 | Green River Tongue | | 0.00 | 0.00 |
| | 0.00 | Wasatch | | 0.00 | 0.00 |
| | 0.00 | Chapita Wells | | 0.00 | 0.00 |
| | 0.00 | Uteland Buttes | | 0.00 | 0.00 |
| | 0.00 | Mesaverde | | 0.00 | 0.00 |

**Annotation**

| MD ft | TVD ft | |
|---|---|---|
| 500.00 | 500.00 | 13 5/8" Surface Casing |
| 4268.00 | 4161.73 | Last MWD Survey Taken |
| 4297.27 | 4191.00 | 9 5/8" Intermediate Casing |
| 4320.00 | 4213.72 | Projection to Bit |
| | | 5 1/2" Production Casing |
| | | PBHL |

API Well No: 43047367800000

# 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:** ML-48771

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

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

**1. TYPE OF WELL** Gas Well

**8. WELL NAME and NUMBER:** LCU 11-2H

**2. NAME OF OPERATOR:** XTO ENERGY INC

**9. API NUMBER:** 43047367800000

**3. ADDRESS OF OPERATOR:** 382 Road 3100 , Aztec, NM, 87410

**PHONE NUMBER:** 505 333-3159 Ext

**9. FIELD and POOL or WILDCAT:** HILL CREEK

**4. LOCATION OF WELL**
**FOOTAGES AT SURFACE:** 2540 FSL 1341 FWL
**QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:** Qtr/Qtr: NESW Section: 02 Township: 11.0S Range: 20.0E Meridian: S

**COUNTY:** UINTAH

**STATE:** UTAH

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

| TYPE OF SUBMISSION | TYPE OF ACTION | | |
|---|---|---|---|
| ☐ NOTICE OF INTENT Approximate date work will start: | ✓ ACIDIZE | ☐ ALTER CASING | ☐ CASING REPAIR |
| ✓ SUBSEQUENT REPORT Date of Work Completion: 6/12/2009 | ☐ CHANGE TO PREVIOUS PLANS | ✓ CHANGE TUBING | ☐ CHANGE WELL NAME |
| | ☐ CHANGE WELL STATUS | ☐ COMMINGLE PRODUCING FORMATIONS | ☐ CONVERT WELL TYPE |
| | ☐ DEEPEN | ☐ FRACTURE TREAT | ☐ NEW CONSTRUCTION |
| | ☐ OPERATOR CHANGE | ☐ PLUG AND ABANDON | ☐ PLUG BACK |
| ☐ SPUD REPORT Date of Spud: | ☐ PRODUCTION START OR RESUME | ☐ RECLAMATION OF WELL SITE | ☐ RECOMPLETE DIFFERENT FORMATION |
| | ☐ REPERFORATE CURRENT FORMATION | ☐ SIDETRACK TO REPAIR WELL | ☐ TEMPORARY ABANDON |
| | ☐ TUBING REPAIR | ☐ VENT OR FLARE | ☐ WATER DISPOSAL |
| ☐ DRILLING REPORT Report Date: | ☐ WATER SHUTOFF | ☐ SI TA STATUS EXTENSION | ☐ APD EXTENSION |
| | ☐ WILDCAT WELL DETERMINATION | ☐ OTHER | OTHER: & PWOP |

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

XTO Energy Inc. changed the tubing type, performed a chemical treatment and put this well on pump per the attached summary report.

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

**FOR RECORD ONLY**

September 08, 2009

| NAME (PLEASE PRINT) | PHONE NUMBER | TITLE |
|---|---|---|
| Dolena Johnson | 505 333-3164 | Regulatory Compliance Tech |
| **SIGNATURE** N/A | | **DATE** 9/8/2009 |

# EXECUTIVE SUMMARY REPORT

5/1/2009 - 8/27/2009
Report run on 8/27/2009 at 12:36 PM

## Little Canyon Unit 11-02H

| | |
|---|---|
| | Section 02-11S-20E, Uintah, Utah, Roosevelt |
| | Objective: PWOP - Run Poly core 2 7/8" tbg - Chemical Treatment |
| 6/8/2009 | MIRU Temples WS rig #1. MI & spot rig pmp & tks. Bd well. KW dwn TAC w/30 bbl 2% KCl wtr. ND WH. NU BOP. Unland tbg and LD hgr. Found tbg dragging. Wrkd tbg & pld strg free. PU & TIH w/6 jts 2-3/8", N-80, 4.7#, EUE, 8rd tbg. Tgd @ 9,199'(76' blw btm perf & 34' blw reptd PBTD). LD 6 jts tbg. TOH w/280 jts 2-3/8", L-80, 4.7#, EUE, 8rd tbg, SN & mules shoe col. Found no sc on tbg. Plngr & BHBS recd @ SN. PU & TIH w/4-3/4'' tricone bit, 5-1/2" csg scr, SN & 160 jts 2-3/8" tbg. EOT @ 5,148'. |
| 6/9/2009 | Bd well. KW dwn tbg w/30 bbl 2% KCl wtr. Fin TIH w/126 jts tbg, SN, 5-1/2" csg scr w/4-3/4'' tricone bit. Tgd PBTD @ 9,198' w/ no sign of sc. TOH & LD 286 jts tbg, SN, 5-1/2" csg scr w/4-3/4'' tricone bit. PU & TIH w/5-1/2" x 2-3/8" Tech TAC 40K shear TAC, 4' x 2-3/8" perf tbg sub, 2-3/8" SN, 2-3/8" x 2-7/8" xo sub & 69 jts 2-7/8" 6.5#, L-80, EUE, 8rd, tbg lined w/Western Falcon "Entertube" poly liner (broach ea jt & conn w/2" OD drift). EOT 2,276'. |
| 6/10/2009 | Bd well. Fin TIH w/207 jts 2-7/8" 6.5#, L-80, EUE, 8rd, tbg lined w/Western Falcon "Entertube" poly liner. Torque tbg to 1,500 ft/lb (drift ea jt & conn w/2" OD drift). ND BOP. Set TAC @ 9,360'. Ld tbg on hgr in 15K ten. NU WH. Fin equ run: 5-1/2" x 2-3/8" Tech TAC 40K shear TAC, 4' x 2-3/8" perf tbg sub, 2-3/8" SN, 2-3/8" x 2-7/8" xo sub & 276 jts 2-7/8" 6.5#, L-80, EUE, 8rd, tbg lined w/Western Falcon "Entertube" poly liner. SN @ 9,118'. EOT @ 9,127'. |
| 6/11/2009 | Bd well. RU swb tls. BFL @ 3,000' FS. S. 0 BO, 34 BLW, 17 runs, 4 1/2 hrs, FFL @ 3,000' FS. Fld smpls started brn but clnd up to white wtr w/no solids. RD swb tls. PU & loaded 2" x 1-1/4" x 19' RHBC-DV pmp (XTO #181) w/3/4" x 1' stnr nip. TIH w/pmp, 2' x 3/4" rod sub, shear tl pinned to 26,000#, 30 - 1-1/4" sbs, 162 3/4" Norris 96 skr d w/SHT cplgs. |
| 6/12/2009 | Bd well. Fin TIH w/85 3/4" Norris 96 skr d w/SHT cplgs, 86 - 7/8" Norris 96 skr d w/SHT cplgs, 3 7/8" Norris 97 rod subs (8', 4' & 2') w/SHT cplgs & 26' x 1-1/4" PR w/14' lnr. Seated pmp. PT tbg to 1000 psig w/12 bbls trtd 2% KCL wtr. Tstd ok. Rlsd press. LS pmp w/rig to 1000 psig. Gd PA. Rlsd press to 500 psig & hold. Clamp off rods. MIRU Nalco chem. Ppd dwn 5-1/2" x 2-7/8" TCA w/35 bbl chem pill containing: 2% KCl wtr, 110 gal Nalco DVE 40 005 sc inhibitor& 5 gal Nalco EC 6106 biocide. RDMO Nalco chem. Flshd w/200 bbls trtd 2% KCl wtr @ 0 psig w/ rig pmp. ISIP 0 psig. SWI. Fin equ run: 2" x 1-1/4" x 19' RHBC-DV pmp (XTO #181) w/3/4" x 1' stnr nip, 2' x 3/4" rod sub, shear tl pinned to 26,000#, 30 - 1-1/4" sbs, 247 3/4" Norris 96 skr d w/SHT cplgs, 86 - 7/8" Norris 96 skr d w/SHT cplgs, 3 7/8" Norris 97 rod subs (8', 4' & 2') w/SHT cplgs & 26' x 1-1/4" PR w/14' lnr. RDMO Temples WS rig #1. Unable to RWTP surf equip not ready. Turn well over to facilities. |

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

FORM 6

# ENTITY ACTION FORM

Operator: XTO ENERGY INC.

Operator Account Number: N 2615

Address: 382 CR 3100

city AZTEC

state NM zip 87410

Phone Number: (505) 333-3100

**Well 1**

| API Number | Well Name | | QQ | Sec | Twp | Rng | County |
|---|---|---|---|---|---|---|---|
| 4304736776 | LCU 11-3H | | NESW | 3 | 11S | 20E | UINTAH |
| **Action Code** | **Current Entity Number** | **New Entity Number** | **Spud Date** | | | **Entity Assignment Effective Date** | |
| C | 16104 | 14619 ✓ | 5/29/2007 | | | 12/1/~~2006~~ 2007 | |
| **Comments:** MVRD = WSMVD | | | | | | — 8/24/10 | |

**Well 2**

| API Number | Well Name | | QQ | Sec | Twp | Rng | County |
|---|---|---|---|---|---|---|---|
| 4304736779 | LCU 5-2H | | NESW | 2 | 11S | 20E | UINTAH |
| **Action Code** | **Current Entity Number** | **New Entity Number** | **Spud Date** | | | **Entity Assignment Effective Date** | |
| C | 16423 | 14619 ✓ | 9/30/2007 | | | ~~12/1/2006~~ 4/24/2008 | |
| **Comments:** MVRD = WSMVD BHL = SWNW | | | | | | — 8/24/10 | |

**Well 3**

| API Number | Well Name | | QQ | Sec | Twp | Rng | County |
|---|---|---|---|---|---|---|---|
| 4304736780 | LCU 11-2H | | NESW | 2 | 11S | 20E | UINTAH |
| **Action Code** | **Current Entity Number** | **New Entity Number** | **Spud Date** | | | **Entity Assignment Effective Date** | |
| C | 16426 | 14619 ✓ | 9/29/2007 | | | ~~12/1/2006~~ 4/23/2008 | |
| **Comments:** MVRD = WSMVD BHL = NESW | | | | | | — 8/24/10 | |

**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)

BARBARA A. NICOL
**Name (Please Print)**

Barbara A. Nicol
**Signature**

REGULATORY COMP. TECH
**Title**

8/18/2010
**Date**

RECEIVED
AUG 23 2010
DIV. OF OIL, GAS & MINING

(5/2000)

# 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:** ML-48771

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

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

**1. TYPE OF WELL** Gas Well

**8. WELL NAME and NUMBER:** LCU 11-2H

**2. NAME OF OPERATOR:** XTO ENERGY INC

**9. API NUMBER:** 43047367800000

**3. ADDRESS OF OPERATOR:** 382 Road 3100 , Aztec, NM, 87410 **PHONE NUMBER:** 505 333-3159 Ext

**9. FIELD and POOL or WILDCAT:** HILL CREEK

**4. LOCATION OF WELL**
**FOOTAGES AT SURFACE:** 2540 FSL 1341 FWL
**QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:** Qtr/Qtr: NESW Section: 02 Township: 11.0S Range: 20.0E Meridian: S

**COUNTY:** UINTAH

**STATE:** UTAH

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

| TYPE OF SUBMISSION | TYPE OF ACTION | | |
|---|---|---|---|
| ☐ NOTICE OF INTENT Approximate date work will start: | ✓ ACIDIZE | ☐ ALTER CASING | ☐ CASING REPAIR |
| ✓ SUBSEQUENT REPORT Date of Work Completion: 9/23/2011 | ☐ CHANGE TO PREVIOUS PLANS | ☐ CHANGE TUBING | ☐ CHANGE WELL NAME |
| ☐ SPUD REPORT Date of Spud: | ☐ CHANGE WELL STATUS | ☐ COMMINGLE PRODUCING FORMATIONS | ☐ CONVERT WELL TYPE |
| ☐ DRILLING REPORT Report Date: | ☐ DEEPEN | ☐ FRACTURE TREAT | ☐ NEW CONSTRUCTION |
| | ☐ OPERATOR CHANGE | ☐ PLUG AND ABANDON | ☐ PLUG BACK |
| | ☐ PRODUCTION START OR RESUME | ☐ RECLAMATION OF WELL SITE | ☐ RECOMPLETE DIFFERENT FORMATION |
| | ☐ REPERFORATE CURRENT FORMATION | ☐ SIDETRACK TO REPAIR WELL | ☐ TEMPORARY ABANDON |
| | ☐ TUBING REPAIR | ☐ VENT OR FLARE | ☐ WATER DISPOSAL |
| | ☐ WATER SHUTOFF | ☐ SI TA STATUS EXTENSION | ☐ APD EXTENSION |
| | ☐ WILDCAT WELL DETERMINATION | ✓ OTHER | OTHER: CLEAN OUT |

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

XTO Energy Inc. has cleaned out & acidized this well per the attached summary report.

**Accepted by the Utah Division of Oil, Gas and Mining**
**FOR RECORD ONLY**

| NAME (PLEASE PRINT) | PHONE NUMBER | TITLE |
|---|---|---|
| Barbara Nicol | 505 333-3642 | Regulatory Compliance Tech |
| **SIGNATURE** N/A | | **DATE** 10/18/2011 |

RECEIVED Oct. 18, 2011

## Little Canyon Unit 11-02H

**9/12/2011:** MIRU. LD 26' x 1-1/4" PR w/14' x 1-1/2" lnr & 4-7/8" Norris 97 rod subs, ( 2', 2',4', 6' ). Rod parted @ 49 ¾" Norris 96 sk d @ 4,050' FS. PU OS, TIH w/49 ¾"& 113 - 7/8" latch on TOF. Unseated pmp. MIRU hot oil & flush tbg/rds due to paraffin with 40 bbls TFW. TOH & LD 113 - 7/8" Norris 96 skr d w/slim hole cplg's, 51- 3/4" slick Norris 96 skr d. SWI & SDFN.

**9/13/2011:** Cont LD 108 - 3/4" slick Norris 96 skr d, 30 - 3/4" w/5 guides, Norris 96 skr d, LD 30 - 1-1/4" SB, & 2" x 1-1/2 x 20' RXBC. ND WH. NU BOP. TOH & drift all tbg & LD 128 jts 2-7/8" Poly lined pipe. SWI & SDFN.

**9/14/2011:** Cont TOH w/147 jts 2-7/8" tbg. PU & TIH w/4-3/4" cone bit, 5-1/2" csg scr, 2 jts 2-7/8" 4.7# N-80 8rd EUE tbg, 1-2'x 2 7/8" N-80 tbg sub, 135 jts 2-7/8" 4.7# N-80 8rd EUE tbg, 137 jts 2-7/8" 4.7# N-80 8rd EUE tbg, Tgd fill @ 9,165'. TOH w/22 jts tbg. SWI & SDFN.

**9/15/2011:** TIH w/22 jts 2-7/8". Dropd SV & PT tbg to 2000 psig w/ 30 bbls trtd 2% KCL wtr, gd test. RIH w/ fishing tls on sd ln. Retrv SV. POH & LD fishing tl & SV. TOH w/277 jts 2-7/8" 4.7# N-80 8rd EUE tbg, LD bit & scr. PU Pkr/Plg. TIH w/BHA & 183 jts 2-7/8". SWI & SDFWE.

**9/19/2011:** Cont TIH w/ 5.5" TS RBP, & 5.5" HD pkr, SN, 92 jts 2-7/8", 6.5#, L-80. EUE 8rd tbg, Set TS RBP @ 9,150' & HD Pkr @ 9,200' PT tbg & Tls to 3,000 psig 30 mins, tstd Gd. Isolate & acidize 6 stage's w/ 15% HCl Ac, 5 g/1000 MA-844, 20 g/1000 EGBME mutual solvent, FE 200 & FE 100 iron sequesterant, CI 350 corrosion inhibitor, 245 gal Nalco EC6652 scale inhibitor, Nalco EC9021A H2S scavenger 5 g/200bbl as follows:
Stage #1: Isolate perfs @ 9,050' - 9,123' & Acidize w/ 750 gls 15% HCL Ac. Flsd w/ 58 bls TFW.
Stage #2: Isolate perfs @ 8,832' - 8,974' & Acidize w/ 688 gls 15% HCL Ac. Flsd w/ 59 bls TFW.
Stage #3: Isolate perfs @ 8,419' - 8,743' & Acidize w/ 563 gls 15% HCL Ac. Flsd w/ 60 bls TFW.
Stage #4: Isolate perfs @ 8,030' - 8,267' & Acidize w/ 625 gls 15% HCL Ac. Flsd w/ 56 bls TFW.
Stage #5: Isolate perfs @ 7,622' - 7,689' & Acidize w/ 500 gls 15% HCL Ac. Flsd w/ 50 bls TFW.
Stage #6: Isolate perfs @ 6,093' - 6,110' & Acidize w/ 375 gls 15% HCL Ac. Flsd w/ 40 bls TFW.
TOH w/ Tbg, LD Pkr & RBP. TIH w/20 jnt 2-7/8" tbg. SWI & SDFN.

**9/20/2011:** TOH w/20 jt 2-7/8" tbg. TIH w/ 2-7/8" L-80 jt w/BP, 2-7/8" x 4' sub w/2-7/8" x 5-1/2" centralizer, 10' cavins desander, 2-7/8" x 4' sub w/2-7/8" x 5-1/2" centralizer & 2-7/8" SN, cont TIH w/5 jts 2-7/8" L80, 2-7/8" x 5-1/2" TAC, 141 jts 2-7/8" L 80, 67 jts 2-7/8" L 80 yellow band, 62 jts 2-7/8" L 80 new. ND BOP. Set TAC @ 8,919'. Ld tbg w/2-7/8" donut tbg hgr in 15 K tens, SN @ 9,086'. EOT @ 9,138'. PBTD @ 9,165'. NU WH. RIH w/swb tls. BFL @ 5,000' FS. S. 0 BO, 40 BLW, 10 runs, 5 hrs. FFL @ 6,100' FS. SWI & SDFN.

**9/21/2011:** RU & RIH w/swb tls. BFL @ 6,300' FS. S, 0 BO, 61 BLW, 14 runs, 8hrs. FFL @ 7,000' FS. PH 6-7. RD swb tls. SWI & SDFN.

**9/22/2011:** RU & RIH w/swb tls. BFL @ 7,200' FS. S, 0 BO, 36 BLW, 6 runs, 8hrs. FFL @ 7,000' FS. RD swb tls. RDMO. SWI & SDFN.

**9/23/2011:** MIRU. PU & loaded 2-1/2" x 1-1/2" x 21' RHBC-DV pmp. TIH w/pmp, 2' x 7/8" Norris 96 rod sub, shear tl, 2' x 7/8" Norris 96 rod sub, 12 - 1-1/2" x 25' sbs, 7,736' of continuous 0.812 (3/4") Norris pro rod 960M, 943' of continuous 0.875 (7/8") Norris pro rod 960M. TIH w/4 - 7/8" Norris 96 rod subs (2',4',6',8') & 1-1/4" x 26' PR w/1 1/2" liner. Seated pmp. LD w/40 BFW. LS pmp w/rig to 500 psig . GPA. RDMO. HWO & RWTP @ 4:00 p.m., ppg @ 2 x 120" SPM.

==========Little Canyon Unit 11-02H==========

RECEIVED Oct. 18, 2011

STATE OF UTAH

FORM 15

DEPARTMENT OF NATURAL RESOURCES

AMENDED REPORT ☐

DIVISION OF OIL, GAS AND MINING

Original Filing Date: 12/8/2011

## DESIGNATION OF WORKOVER OR RECOMPLETION

| 1. Name of Operator | 2. Utah Account Number | 5. Well Name and Number |
|---|---|---|
| XTO ENERGY INC | N2615 | LCU 11-2H |

| 3. Address of Operator | City | State | Zip | 4. Phone Number | 6. API Number |
|---|---|---|---|---|---|
| 382 Road 3100 | Aztec | NM | 87410 | 505 333-3159 | 4304736780 |

**9. Location of Well**

Footage: 2540 FSL 1341 FWL County: UINTAH

QQ, Sec, Twnp, Rnge: NESW 02 110S 200E State : UTAH

**7. Field Name**: HILL CREEK

**8. Field Code Number**: 617

## COMPLETE ALL SECTIONS. ATTACH ADDITIONAL SHEETS IF NEEDED.

**10. TYPE OF WORK (Check all that apply)**

- ☑ Production enhancement
- ☐ Recompletion
- ☐ Convert to injection
- ☐ Repair well

11. WORK PERIOD

Date work commenced: 9/12/2011

Date work completed: 9/23/2011

76 Days From Completion

## 12. THE FOLLOWING EXPENSES FOR OPERATIONS ARE SUBMITTED FOR DESIGNATION AS WORKOVER OR RECOMPLETION EXPENSES:

| | Expenses | Approved By State |
|---|---|---|
| a. Location preparation and cleanup | 1008.75 | 1008.75 |
| b. Move-in, rig-up, and rig-down (including trucking) | 10156.36 | 10156.36 |
| c. Rig charges (including fuel) | 35172.24 | 35172.24 |
| d. Drill pipe or other working string | 0.00 | 0.00 |
| e. Water and chemicals for circulating fluid (including water hauling) | 5865.05 | 5865.05 |
| f. Equipment purchase | 0.00 | 0.00 |
| g. Equipment rental | 10308.23 | 10308.23 |
| h. Cementing | 0.00 | 0.00 |
| i. Perforating | 0.00 | 0.00 |
| j. Acidizing | 12172.06 | 12172.06 |
| k. Fracture stimulation | 0.00 | 0.00 |
| l. Logging services | 0.00 | 0.00 |
| m. Supervision and overhead | 0.00 | 0.00 |
| n. Other (itemize) HOT OIL UNIT | 1053.13 | 1053.13 |
| 0 | 0.00 | 0.00 |
| 0 | 0.00 | 0.00 |
| 0 | 0.00 | 0.00 |
| o. Total submitted expenses | 75735.82 | |
| p. Total approved expenses (State use only) | | 75735.82 |

## 13. LIST CONTRACTORS PROVIDING SERVICES VALUED AT MORE THAN $3,000.

| Contractor | Location (City, State) | Services Provided |
|---|---|---|
| SEE ATTACHED PAGE 2 | | |

## 14. LIST WORKING INTEREST OWNERS WHO TAKE PRODUCT IN KIND AND ARE AUTHORIZED TO SHARE IN THE TAX CREDIT.

| Name | Address | Utah Account No. | Percent of Interest |
|---|---|---|---|
| none | | | |
| | | | |
| | | | |
| | | | |

**I hereby certify that this report is true and complete to the best of my knowledge.**

NAME (PLEASE PRINT) Dolena Johnson TITLE Regulatory Compliance T PHONE 505 333-3164

SIGNATURE Dolena Johnson DATE December 8, 2011 E-MAIL Dee_Johnson@xtoener

RECEIVED Dec. 08, 2011

| Form 15 | Page 2 | | | |
|---|---|---|---|---|
| **WELL NAME & #** | **API #** | | | |
| LITTLE CANYON UNIT 11-02H | 43-047-36780 | | | |
| **Contractor** | **Location (City, State)** | **Cat.** | **Services Provided** | **Cost** |
| WM TRUCKING, INC. | ROOSEVELT, UT | B | MIRU/D TRUCKING & TRAILER RENTAL | $3,200.00 |
| PANHANDLE OILFIELD SERVICE CO, INC. | LIBERAL, KS | B | MIRU/D HOTSHOT SERVICES | $4,056.36 |
| 4 CORNERS WELL SERVICE INC. | FARMINGTON, NM | C | WORKOVER RIG | $35,172.24 |
| JN TRUCKING, INC. | ROOSEVELT, UT | E | CHEMICAL/WATER HAULING | $4,058.30 |
| WEATHERFORD | NAPLES, UT | G | DOWNHOLE EQUIPMENT RENTALS | $8,897.74 |
| FRAC TECH SERVICES, LTD. | VERNAL, UT | J | ACIDIZING SERVICES | $12,172.06 |

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

FORM 9

**5.LEASE DESIGNATION AND SERIAL NUMBER:** ML-48771

## 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:** LITTLE CANYON

**1. TYPE OF WELL** Gas Well

**8. WELL NAME and NUMBER:** LCU 11-2H

**2. NAME OF OPERATOR:** XTO ENERGY INC

**9. API NUMBER:** 43047367800000

**3. ADDRESS OF OPERATOR:** 382 Road 3100 , Aztec, NM, 87410 **PHONE NUMBER:** 505 333-3159 Ext

**9. FIELD and POOL or WILDCAT:** HILL CREEK

**4. LOCATION OF WELL**
**FOOTAGES AT SURFACE:** 2540 FSL 1341 FWL
**QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:** Qtr/Qtr: NESW Section: 02 Township: 11.0S Range: 20.0E Meridian: S

**COUNTY:** UINTAH

**STATE:** UTAH

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

| TYPE OF SUBMISSION | TYPE OF ACTION | | |
|---|---|---|---|
| ☐ NOTICE OF INTENT Approximate date work will start: | ✓ ACIDIZE | ☐ ALTER CASING | ☐ CASING REPAIR |
| ✓ SUBSEQUENT REPORT Date of Work Completion: 9/23/2011 | ☐ CHANGE TO PREVIOUS PLANS | ☐ CHANGE TUBING | ☐ CHANGE WELL NAME |
| ☐ SPUD REPORT Date of Spud: | ☐ CHANGE WELL STATUS | ☐ COMMINGLE PRODUCING FORMATIONS | ☐ CONVERT WELL TYPE |
| ☐ DRILLING REPORT Report Date: | ☐ DEEPEN | ☐ FRACTURE TREAT | ☐ NEW CONSTRUCTION |
| | ☐ OPERATOR CHANGE | ☐ PLUG AND ABANDON | ☐ PLUG BACK |
| | ☐ PRODUCTION START OR RESUME | ☐ RECLAMATION OF WELL SITE | ☐ RECOMPLETE DIFFERENT FORMATION |
| | ☐ REPERFORATE CURRENT FORMATION | ☐ SIDETRACK TO REPAIR WELL | ☐ TEMPORARY ABANDON |
| | ☐ TUBING REPAIR | ☐ VENT OR FLARE | ☐ WATER DISPOSAL |
| | ☐ WATER SHUTOFF | ☐ SI TA STATUS EXTENSION | ☐ APD EXTENSION |
| | ☐ WILDCAT WELL DETERMINATION | ✓ OTHER | OTHER: CLEAN OUT |

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

XTO Energy Inc. has cleaned out & acidized this well per the attached summary report.

**Accepted by the Utah Division of Oil, Gas and Mining**
**FOR RECORD ONLY**

# TAX CREDIT COPY

| NAME (PLEASE PRINT) | PHONE NUMBER | TITLE |
|---|---|---|
| Barbara Nicol | 505 333-3642 | Regulatory Compliance Tech |
| **SIGNATURE** N/A | | **DATE** 10/18/2011 |

## Little Canyon Unit 11-02H

**9/12/2011:** MIRU. LD 26' x 1-1/4" PR w/14' x 1-1/2" lnr & 4-7/8" Norris 97 rod subs, ( 2', 2',4', 6' ). Rod parted @ 49 ¾" Norris 96 sk d @ 4,050' FS. PU OS, TIH w/49 ¾"& 113 - 7/8" latch on TOF. Unseated pmp. MIRU hot oil & flush tbg/rds due to paraffin with 40 bbls TFW. TOH & LD 113 - 7/8" Norris 96 skr d w/slim hole cplg's, 51- 3/4" slick Norris 96 skr d. SWI & SDFN.

**9/13/2011:** Cont LD 108 - 3/4" slick Norris 96 skr d, 30 - 3/4" w/5 guides, Norris 96 skr d, LD 30 - 1-1/4" SB, & 2" x 1-1/2 x 20' RXBC. ND WH. NU BOP. TOH & drift all tbg & LD 128 jts 2-7/8" Poly lined pipe. SWI & SDFN.

**9/14/2011:** Cont TOH w/147 jts 2-7/8" tbg. PU & TIH w/4-3/4" cone bit, 5-1/2" csg scr, 2 jts 2-7/8" 4.7# N-80 8rd EUE tbg, 1-2'x 2 7/8" N-80 tbg sub, 135 jts 2-7/8" 4.7# N-80 8rd EUE tbg, 137 jts 2-7/8" 4.7# N-80 8rd EUE tbg, Tgd fill @ 9,165'. TOH w/22 jts tbg. SWI & SDFN.

**9/15/2011:** TIH w/22 jts 2-7/8". Dropd SV & PT tbg to 2000 psig w/ 30 bbls trtd 2% KCL wtr, gd test. RIH w/ fishing tls on sd ln. Retrv SV. POH & LD fishing tl & SV. TOH w/277 jts 2-7/8" 4.7# N-80 8rd EUE tbg, LD bit & scr. PU Pkr/Plg. TIH w/BHA & 183 jts 2-7/8". SWI & SDFWE.

**9/19/2011:** Cont TIH w/ 5.5" TS RBP, & 5.5" HD pkr, SN, 92 jts 2-7/8", 6.5#, L-80. EUE 8rd tbg, Set TS RBP @ 9,150' & HD Pkr @ 9,200' PT tbg & Tls to 3,000 psig 30 mins, tstd Gd. Isolate & acidize 6 stage's w/ 15% HCl Ac, 5 g/1000 MA-844, 20 g/1000 EGBME mutual solvent, FE 200 & FE 100 iron sequesterant, CI 350 corrosion inhibitor, 245 gal Nalco EC6652 scale inhibitor, Nalco EC9021A H2S scavenger 5 g/200bbl as follows:
Stage #1: Isolate perfs @ 9,050' - 9,123' & Acidize w/ 750 gls 15% HCL Ac. Flsd w/ 58 bls TFW.
Stage #2: Isolate perfs @ 8,832' - 8,974' & Acidize w/ 688 gls 15% HCL Ac. Flsd w/ 59 bls TFW.
Stage #3: Isolate perfs @ 8,419' - 8,743' & Acidize w/ 563 gls 15% HCL Ac. Flsd w/ 60 bls TFW.
Stage #4: Isolate perfs @ 8,030' - 8,267' & Acidize w/ 625 gls 15% HCL Ac. Flsd w/ 56 bls TFW.
Stage #5: Isolate perfs @ 7,622' - 7,689' & Acidize w/ 500 gls 15% HCL Ac. Flsd w/ 50 bls TFW.
Stage #6: Isolate perfs @ 6,093' - 6,110' & Acidize w/ 375 gls 15% HCL Ac. Flsd w/ 40 bls TFW.
TOH w/ Tbg, LD Pkr & RBP. TIH w/20 jnt 2-7/8" tbg. SWI & SDFN.

**9/20/2011:** TOH w/20 jt 2-7/8" tbg. TIH w/ 2-7/8" L-80 jt w/BP, 2-7/8" x 4' sub w/2-7/8" x 5-1/2" centralizer, 10' cavins desander, 2-7/8" x 4' sub w/2-7/8" x 5-1/2" centralizer & 2-7/8" SN, cont TIH w/5 jts 2-7/8" L80, 2-7/8" x 5-1/2" TAC, 141 jts 2-7/8" L 80, 67 jts 2-7/8" L 80 yellow band, 62 jts 2-7/8" L 80 new. ND BOP. Set TAC @ 8,919'. Ld tbg w/2-7/8" donut tbg hgr in 15 K tens, SN @ 9,086'. EOT @ 9,138'. PBTD @ 9,165'. NU WH. RIH w/swb tls. BFL @ 5,000' FS. S. 0 BO, 40 BLW, 10 runs, 5 hrs. FFL @ 6,100' FS. SWI & SDFN.

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**9/22/2011:** RU & RIH w/swb tls. BFL @ 7,200' FS. S, 0 BO, 36 BLW, 6 runs, 8hrs. FFL @ 7,000' FS. RD swb tls. RDMO. SWI & SDFN.

**9/23/2011:** MIRU. PU & loaded 2-1/2" x 1-1/2" x 21' RHBC-DV pmp. TIH w/pmp, 2' x 7/8" Norris 96 rod sub, shear tl, 2' x 7/8" Norris 96 rod sub, 12 - 1-1/2" x 25' sbs, 7,736' of continuous 0.812 (3/4") Norris pro rod 960M, 943' of continuous 0.875 (7/8") Norris pro rod 960M. TIH w/4 - 7/8" Norris 96 rod subs (2',4',6',8') & 1-1/4" x 26' PR w/1 1/2" liner. Seated pmp. LD w/40 BFW. LS pmp w/rig to 500 psig . GPA. RDMO. HWO & RWTP @ 4:00 p.m., ppg @ 2 x 120" SPM.

==========Little Canyon Unit 11-02H==========

FORM 9

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

**5.LEASE DESIGNATION AND SERIAL NUMBER:** ML-48771

## SUNDRY NOTICES AND REPORTS ON WELLS

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

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

**1. TYPE OF WELL** Gas Well

**8. WELL NAME and NUMBER:** LCU 11-2H

**2. NAME OF OPERATOR:** XTO ENERGY INC

**9. API NUMBER:** 43047367800000

**3. ADDRESS OF OPERATOR:** PO Box 6501 , Englewood, CO, 80155

**PHONE NUMBER:** 303 397-3727 Ext

**9. FIELD and POOL or WILDCAT:** HILL CREEK

**4. LOCATION OF WELL**
**FOOTAGES AT SURFACE:** 2540 FSL 1341 FWL
**QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:** Qtr/Qtr: NESW Section: 02 Township: 11.0S Range: 20.0E Meridian: S

**COUNTY:** UINTAH

**STATE:** UTAH

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

| TYPE OF SUBMISSION | TYPE OF ACTION | | |
|---|---|---|---|
| ☐ NOTICE OF INTENT<br>Approximate date work will start: | ☑ ACIDIZE | ☐ ALTER CASING | ☐ CASING REPAIR |
| ☑ SUBSEQUENT REPORT<br>Date of Work Completion:<br>6/19/2015 | ☐ CHANGE TO PREVIOUS PLANS | ☐ CHANGE TUBING | ☐ CHANGE WELL NAME |
| ☐ SPUD REPORT<br>Date of Spud: | ☐ CHANGE WELL STATUS | ☐ COMMINGLE PRODUCING FORMATIONS | ☐ CONVERT WELL TYPE |
| ☐ DRILLING REPORT<br>Report Date: | ☐ DEEPEN | ☐ FRACTURE TREAT | ☐ NEW CONSTRUCTION |
| | ☐ OPERATOR CHANGE | ☐ PLUG AND ABANDON | ☐ PLUG BACK |
| | ☐ PRODUCTION START OR RESUME | ☐ RECLAMATION OF WELL SITE | ☐ RECOMPLETE DIFFERENT FORMATION |
| | ☐ REPERFORATE CURRENT FORMATION | ☐ SIDETRACK TO REPAIR WELL | ☐ TEMPORARY ABANDON |
| | ☐ TUBING REPAIR | ☐ VENT OR FLARE | ☐ WATER DISPOSAL |
| | ☐ WATER SHUTOFF | ☐ SI TA STATUS EXTENSION | ☐ APD EXTENSION |
| | ☐ WILDCAT WELL DETERMINATION | ☐ OTHER | OTHER: |

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

XTO Energy Inc. performed an acid treatment on this well per the following: 6/2/2015: MIRU SLU. RU fishing tls & RIH, tgd @ SN. POH. Rec single pad plngr. RIH w/ fishing tls, POH. Rec BHBS. RU tbg broach & RIH. Tgd @ SN. POH. No ti spots. RU BB & RIH. Tgd @ 9,190' (no fill). POH. RWTP, wait ac ac job. RDMO SLU. 6/16/2015: MIRU acid pmp truck. NU hd lines to tbg & csg mstr vlvs. Tstd to 1,000 psig. Tstd gd. Pmpd 500 gal 15% HCL ac dwn csg. Pmpd 250 gal 15% HCL ac dwn tbg. SWI 30". Pmpd 20 bbl TFW dwn tbg. Pmpd 20 bbl TFW w/H2S chem dwn csg. ND hd lines. SWI & SDFN. RDMO ac trk. 6/18/2015: MIRU SWU. RU & RIH w/swb tls. Swab 17 runs (8 hrs). SWIFPBU. SDFN. 6/19/2015: Open tbg to Prod Tank. Flwg 1 BW. RWTP 6/19/15. RDMO SWU.

**Accepted by the Utah Division of Oil, Gas and Mining**
**FOR RECORD ONLY**
July 20, 2015

| NAME (PLEASE PRINT) | PHONE NUMBER | TITLE |
|---|---|---|
| Tiffani Spinelli-Genovese | 303 397-3677 | Regulatory Analyst |
| **SIGNATURE** N/A | | **DATE** 7/16/2015 |

RECEIVED: Jul. 16, 2015