

November 26, 2007

Fluid Minerals Group  
Bureau of Land Management  
Vernal Field Office  
170 South 500 East  
Vernal, Utah 84078

RE: Application for Permit to Drill—XTO Energy, Inc.

**WBH 6-5H**

*Surface Location:* 1,046' FNL & 1,527' FWL, Lot 3 (NW/4 NW/4),

*Target Location:* 1,950' FNL & 1,950' FWL, SE/4 NW/4,

Section 5, T11S, R20E, SLB&M, Uintah County, Utah

Dear Fluid Minerals Group:

On behalf of XTO Energy, Inc. Buys & Associates, Inc. respectfully submits the enclosed original and three copies of the Application for Permit to Drill (APD) for the above referenced Ute Tribal surface 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. XTO Energy, 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" - Directional Drilling Plan with Directional Drilling Report;

Exhibit "E" - Surface Use Plan with APD Certification;

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

Exhibit "G" - Exhibit "G" - Cultural & Paleontological Clearance Reports.

Thank you very much for your timely consideration of this application. Please feel free to contact myself or Ken Secrest of XTO Energy, Inc. at 435-722-4521 if you have any questions or need additional information.

Sincerely,

*Don Hamilton*

Don Hamilton  
Agent for XTO Energy, Inc.

cc: Diana Mason, Division of Oil, Gas and Mining  
Mike James, Ute Indian Tribe - Energy & Minerals  
Ken Secrest, XTO Energy, Inc.

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DIV. OF OIL, GAS & MINING

FILE COPY

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

**APPLICATION FOR PERMIT TO DRILL OR REENTER**

5. Lease Serial No. <b>UTU-39223</b>	
6. If Indian, Allottee or Tribe Name <b>Ute Indian Tribe</b>	
7. If Unit or CA Agreement, Name and No. N/A	
8. Lease Name and Well No. <b>WHB 6-5H</b>	
9. API Well No. <b>43-047-39 850</b>	
1a. Type of work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER	10. Field and Pool, or Exploratory <b>undesigned</b>
1b. Type of Well: <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other <input type="checkbox"/> Single Zone <input checked="" type="checkbox"/> Multiple Zone	11. Sec., T. R. M. or Blk. and Survey or Area <b>NENW Section 5, T11S, R20E, SLB&amp;M</b>
2. Name of Operator <b>XTO Energy, Inc.</b>	12. County or Parish <b>Uintah</b>
3a. Address <b>PO Box 1360; 978 North Crescent Roosevelt, UT 84066</b>	13. State <b>UT</b>
3b. Phone No. (include area code) <b>435-722-4521</b>	14. Distance in miles and direction from nearest town or post office* <b>13.53 miles south of Ouray, Utah</b>
4. Location of Well (Report location clearly and in accordance with any State requirements.)* At surface <b>1,046' FNL &amp; 1,527' FWL, Lot 3 (NW/4 NW/4),</b> At proposed prod. zone <b>1,950' FNL &amp; 1,950' FWL, SE/4 NW/4,</b>	15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) <b>1,046'</b>
16. No. of acres in lease <b>715.864 acres</b>	17. Spacing Unit dedicated to this well <b>40 acres</b>
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. <b>20'</b>	19. Proposed Depth <b>9,310' MD (9,149' TVD)</b>
20. BLM/BIA Bond No. on file <b>UTB-000138 / 104312 789</b>	21. Elevations (Show whether DF, KDB, RT, GL, etc.) <b>5,421' GR</b>
22. Approximate date work will start* <b>01/15/2008</b>	23. Estimated duration <b>14 days</b>

24. Attachments

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

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

25. Signature <b>Don Hamilton</b>	Name (Printed/Typed) <b>Don Hamilton</b>	Date <b>11/26/2007</b>
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Title  
**Agent for XTO Energy, Inc.**

Approved by (Signature) <b>Bradley G. Hill</b>	Name (Printed/Typed) <b>BRADLEY G. HILL</b>	Date <b>12-03-07</b>
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Title  
**Office ENVIRONMENTAL MANAGER**

Application approval 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.  
Conditions of approval, if any, are attached.

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

\*(Instructions on page 2)

Surf

610653x  
44165354  
39.893558  
-104.705749

BHL  
610784x  
44162614  
39.891073  
-104.704259

Federal Approval of this  
Action is Necessary

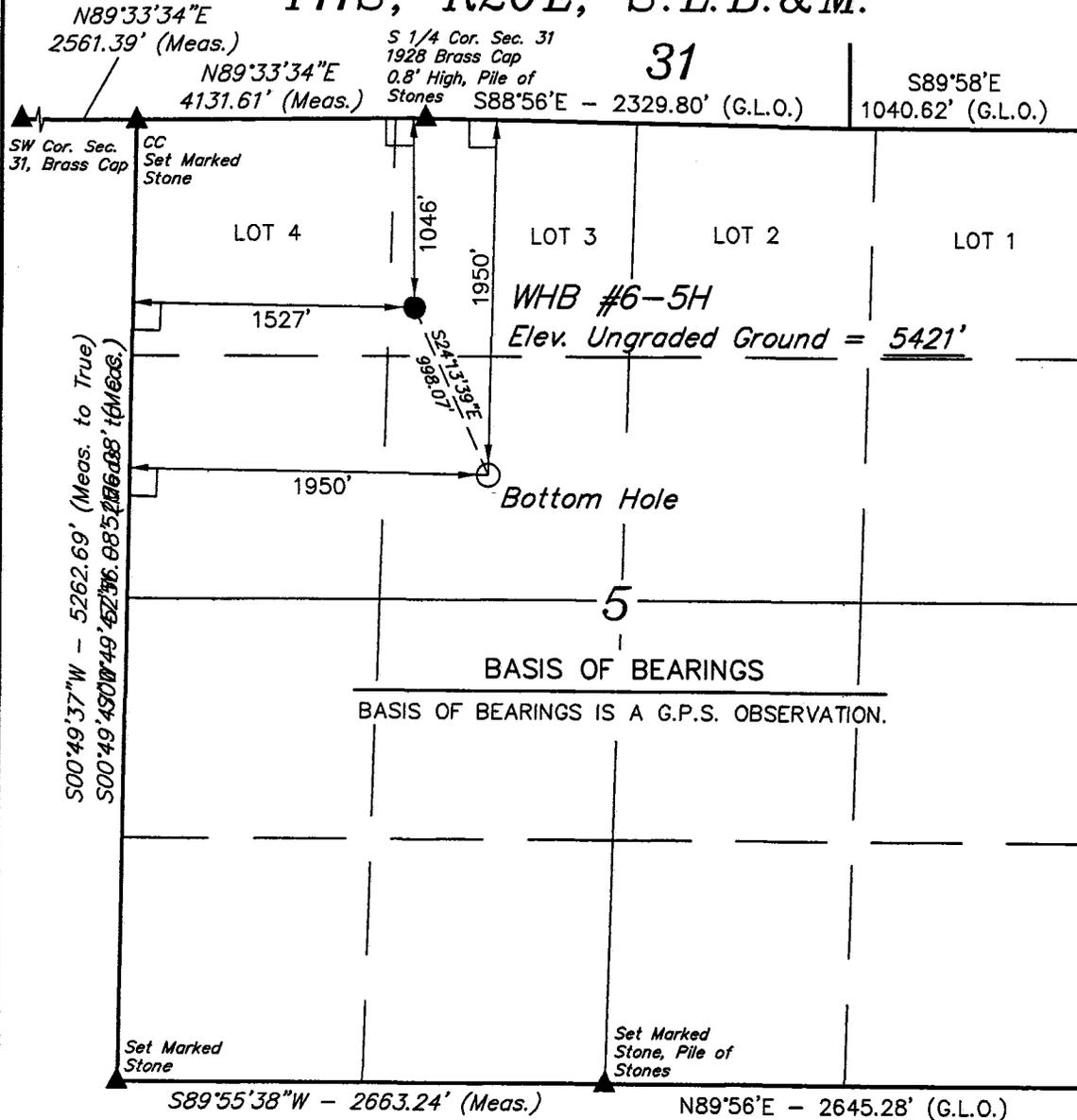
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# T11S, R20E, S.L.B.&M.

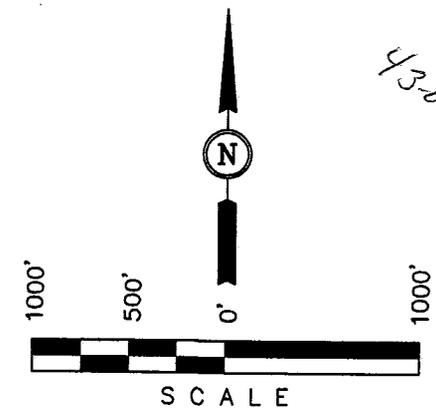
XTO ENERGY, INC.



Well location, WHB #6-5H, located as shown in LOT 3 of Section 5, T11S, R20E, S.L.B.&M., Uintah County, Utah.

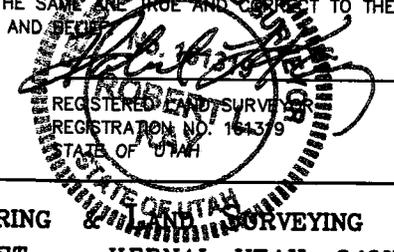
## BASIS OF ELEVATION

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.



## CERTIFICATE

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



REVISED: 11-27-07 L.K.

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

## LEGEND:

- └─┘ = 90° SYMBOL
- = PROPOSED WELL HEAD.
- ▲ = SECTION CORNERS LOCATED.
- △ = SECTION CORNERS RE-ESTABLISHED.  
(Not Set On Ground)

(NAD 83)  
 LATITUDE = 39°53'36.88" (40.493578)  
 LONGITUDE = 109°42'23.43" (109.706508)  
 (NAD 27)  
 LATITUDE = 39°53'37.01" (39.893614)  
 LONGITUDE = 109°42'20.93" (109.705814)

SCALE 1" = 1000'	DATE SURVEYED: 04-02-07	DATE DRAWN: 04-21-07
PARTY B.B. T.R. S.L.	REFERENCES G.L.O. PLAT	
WEATHER WARM	FILE XTO ENERGY, INC.	

# XTO ENERGY INC.

WHB 6-5H

APD Data

November 7, 2007

Location: 1046' FNL & 1527' FWL, Sec. 5, T11S,R20E County: Uintah

State: Utah

Bottomhole Location: 1950' FNL & 1950' FWL, Sec. 5, T11S, R20E

GREATEST PROJECTED TD: 9310' MD/ 9149' TVD  
APPROX GR ELEV: 5421'

OBJECTIVE: Wasatch/Mesaverde  
Est KB ELEV: 5435' (14' AGL)

## 1. MUD PROGRAM:

INTERVAL	0' to 500'	500' to 4200'	4200' to 9310'
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 ±4200'MD/4039'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'-4200'	4200'	36#	J-55	ST&C	2020	3520	394	8.921	8.765	1.40	2.44	2.61

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

Production Casing: 5.5" casing set at ±9310'MD/9149'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'-9310'	9310'	17#	N-80	LT&C	6280	7740	348	4.892	4.767	1.81	2.24	2.20

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

## 3. WELLHEAD:

- 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.
- 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  $\pm 500'$  in 17.5" hole.

$\pm 337$  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<sup>3</sup>. 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  $\pm 4200'$  in 12.25" hole.

LEAD:

$\pm 475$  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<sup>3</sup>/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 2236 ft<sup>3</sup>. Slurry includes 75% excess of calculated open hole annular volume to 4200'.*

C. Production: 5.5", 17#, N-80 (or equiv.), LT&C casing to be set at  $\pm 9310'$  in 7.875" hole.

LEAD:

$\pm 147$  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<sup>3</sup>/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 1159 ft<sup>3</sup>. 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 3700' 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 (9310') to the bottom of the intermediate csg. Run Neutron/Lithodensity/Pe/GR/Cal from TD (9310') to 4200'.

#### 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	3760
Green River Tongue	Oil/Gas/Water	4105
Wasatch	Gas/Water	4250
Chapita Wells	Gas/Water	5050
Uteland Buttes	Gas/Water	6325
Mesaverde	Gas/Water	7120

B. 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.

C. There are no known potential sources of H<sub>2</sub>S.

D. 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:**

<b><u>Name</u></b>	<b><u>Title</u></b>	<b><u>Office Phone</u></b>	<b><u>Home Phone</u></b>
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	

# **XTO Energy**

**Natural Buttes Wells(NAD83)**

**WHB 6-5H**

**WHB 6-5H**

**WHB 6-5H**

**Plan: Permitted Wellbore**

## **Standard Planning Report**

**07 November, 2007**

**XTO Energy, Inc.**  
Planning Report

**Database:** EDM 2003.14 Single User Db  
**Company:** XTO Energy  
**Project:** Natural Buttes Wells(NAD83)  
**Site:** WHB 6-5H  
**Well:** WHB 6-5H  
**Wellbore:** WHB 6-5H  
**Design:** Permitted Wellbore

**Local Co-ordinate Reference:** Well WHB 6-5H  
**TVD Reference:** Rig KB @ 5435.0ft (Frontier #6)  
**MD Reference:** Rig KB @ 5435.0ft (Frontier #6)  
**North Reference:** True  
**Survey Calculation Method:** Minimum Curvature

<b>Project</b>	Natural Buttes Wells(NAD83), Vernal, UT		
<b>Map System:</b>	US State Plane 1983	<b>System Datum:</b>	Mean Sea Level
<b>Geo Datum:</b>	North American Datum 1983		Using Well Reference Point
<b>Map Zone:</b>	Utah Northern Zone		

<b>Site</b>	WHB 6-5H, T11S, R20E				
<b>Site Position:</b>		<b>Northing:</b>	3,344,363.95 ft	<b>Latitude:</b>	40° 29' 36.881 N
<b>From:</b>	Lat/Long	<b>Easting:</b>	2,139,236.60 ft	<b>Longitude:</b>	109° 42' 23.429 W
<b>Position Uncertainty:</b>	0.0 ft	<b>Slot Radius:</b>	"	<b>Grid Convergence:</b>	1.18 °

<b>Well</b>	WHB 6-5H, S-Well to Wasatch/Mesaverde					
<b>Well Position</b>	+N-S	0.0 ft	<b>Northing:</b>	3,344,363.95 ft	<b>Latitude:</b>	40° 29' 36.881 N
	+E-W	0.0 ft	<b>Easting:</b>	2,139,236.60 ft	<b>Longitude:</b>	109° 42' 23.429 W
<b>Position Uncertainty</b>		0.0 ft	<b>Wellhead Elevation:</b>	5,421.0 ft	<b>Ground Level:</b>	5,421.0 ft

<b>Wellbore</b>	WHB 6-5H				
<b>Magnetics</b>	<b>Model Name</b>	<b>Sample Date</b>	<b>Declination</b>	<b>Dip Angle</b>	<b>Field Strength</b>
	IGRF200510	11/7/2007	(°)	(°)	(nT)
			11.69	66.33	52,944

<b>Design</b>	Permitted Wellbore			
<b>Audit Notes:</b>				
<b>Version:</b>	<b>Phase:</b>	PROTOTYPE	<b>Tie On Depth:</b>	0.0
<b>Vertical Section:</b>	<b>Depth From (TVD)</b>	<b>+N-S</b>	<b>+E-W</b>	<b>Direction</b>
	(ft)	(ft)	(ft)	(°)
	0.0	0.0	0.0	155.77

<b>Plan Sections</b>										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N-S (ft)	+E-W (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	TFO (°)	Target
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
560.0	0.00	0.00	560.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,219.7	19.79	155.77	1,206.6	-102.9	46.3	3.00	3.00	0.00	155.77	
3,501.1	19.79	155.77	3,353.4	-807.3	363.3	0.00	0.00	0.00	0.00	
4,160.8	0.00	0.00	4,000.0	-910.1	409.6	3.00	-3.00	0.00	180.00	WHB 6-5H – Request
9,310.8	0.00	0.00	9,150.0	-910.1	409.6	0.00	0.00	0.00	0.00	

**XTO Energy, Inc.**  
Planning Report

**Database:** EDM 2003.14 Single User Db  
**Company:** XTO Energy  
**Project:** Natural Buttes Wells(NAD83)  
**Site:** WHB 6-5H  
**Well:** WHB 6-5H  
**Wellbore:** WHB 6-5H  
**Design:** Permitted Wellbore

**Local Co-ordinate Reference:** Well WHB 6-5H  
**TVD Reference:** Rig KB @ 5435.0ft (Frontier #6)  
**MD Reference:** Rig KB @ 5435.0ft (Frontier #6)  
**North Reference:** True  
**Survey Calculation Method:** Minimum Curvature

**Planned Survey**

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100m)	Build Rate (°/100m)	Turn Rate (°/100m)	
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00	
100.0	0.00	0.00	100.0	0.0	0.0	0.0	0.00	0.00	0.00	
200.0	0.00	0.00	200.0	0.0	0.0	0.0	0.00	0.00	0.00	
300.0	0.00	0.00	300.0	0.0	0.0	0.0	0.00	0.00	0.00	
400.0	0.00	0.00	400.0	0.0	0.0	0.0	0.00	0.00	0.00	
500.0	0.00	0.00	500.0	0.0	0.0	0.0	0.00	0.00	0.00	
<b>13 3/8"</b>										
560.0	0.00	0.00	560.0	0.0	0.0	0.0	0.00	0.00	0.00	
600.0	1.20	155.77	600.0	-0.4	0.2	0.4	3.00	3.00	0.00	
700.0	4.20	155.77	699.9	-4.7	2.1	5.1	3.00	3.00	0.00	
800.0	7.20	155.77	799.4	-13.7	6.2	15.1	3.00	3.00	0.00	
900.0	10.20	155.77	898.2	-27.5	12.4	30.2	3.00	3.00	0.00	
1,000.0	13.20	155.77	996.1	-46.0	20.7	50.5	3.00	3.00	0.00	
1,100.0	16.20	155.77	1,092.8	-69.2	31.1	75.8	3.00	3.00	0.00	
1,200.0	19.20	155.77	1,188.1	-96.9	43.6	106.2	3.00	3.00	0.00	
1,219.7	19.79	155.77	1,206.6	-102.9	46.3	112.8	3.00	3.00	0.00	
1,300.0	19.79	155.77	1,282.2	-127.7	57.5	140.0	0.00	0.00	0.00	
1,400.0	19.79	155.77	1,376.3	-158.5	71.3	173.9	0.00	0.00	0.00	
1,500.0	19.79	155.77	1,470.4	-189.4	85.2	207.7	0.00	0.00	0.00	
1,600.0	19.79	155.77	1,564.5	-220.3	99.1	241.6	0.00	0.00	0.00	
1,700.0	19.79	155.77	1,658.6	-251.2	113.0	275.4	0.00	0.00	0.00	
1,800.0	19.79	155.77	1,752.7	-282.0	126.9	309.3	0.00	0.00	0.00	
1,900.0	19.79	155.77	1,846.8	-312.9	140.8	343.1	0.00	0.00	0.00	
2,000.0	19.79	155.77	1,940.9	-343.8	154.7	377.0	0.00	0.00	0.00	
2,100.0	19.79	155.77	2,035.0	-374.7	168.6	410.9	0.00	0.00	0.00	
2,200.0	19.79	155.77	2,129.1	-405.5	182.5	444.7	0.00	0.00	0.00	
2,300.0	19.79	155.77	2,223.2	-436.4	196.4	478.6	0.00	0.00	0.00	
2,400.0	19.79	155.77	2,317.2	-467.3	210.3	512.4	0.00	0.00	0.00	
2,500.0	19.79	155.77	2,411.3	-498.2	224.2	546.3	0.00	0.00	0.00	
2,600.0	19.79	155.77	2,505.4	-529.0	238.1	580.2	0.00	0.00	0.00	
2,700.0	19.79	155.77	2,599.5	-559.9	252.0	614.0	0.00	0.00	0.00	
2,800.0	19.79	155.77	2,693.6	-590.8	265.9	647.9	0.00	0.00	0.00	
2,900.0	19.79	155.77	2,787.7	-621.7	279.8	681.7	0.00	0.00	0.00	
3,000.0	19.79	155.77	2,881.8	-652.5	293.7	715.6	0.00	0.00	0.00	
3,100.0	19.79	155.77	2,975.9	-683.4	307.6	749.4	0.00	0.00	0.00	
3,200.0	19.79	155.77	3,070.0	-714.3	321.5	783.3	0.00	0.00	0.00	
3,300.0	19.79	155.77	3,164.1	-745.2	335.4	817.2	0.00	0.00	0.00	
3,400.0	19.79	155.77	3,258.2	-776.1	349.3	851.0	0.00	0.00	0.00	
3,501.1	19.79	155.77	3,353.4	-807.3	363.3	885.3	0.00	0.00	0.00	
3,600.0	16.82	155.77	3,447.2	-835.6	376.1	916.3	3.00	-3.00	0.00	
3,700.0	13.82	155.77	3,543.6	-859.7	386.9	942.7	3.00	-3.00	0.00	
3,800.0	10.82	155.77	3,641.3	-879.2	395.7	964.1	3.00	-3.00	0.00	
3,900.0	7.82	155.77	3,740.0	-893.9	402.3	980.3	3.00	-3.00	0.00	
3,920.2	7.22	155.77	3,760.0	-896.3	403.4	982.9	3.00	-3.00	0.00	
<b>Wasatch Tongue</b>										
4,000.0	4.82	155.77	3,839.4	-904.0	406.8	991.3	3.00	-3.00	0.00	
4,100.0	1.82	155.77	3,939.2	-909.3	409.2	997.1	3.00	-3.00	0.00	
4,160.8	0.00	0.00	4,000.0	-910.1	409.6	998.1	3.00	-3.00	0.00	
<b>WHB 6-5H - Requested BHL</b>										
4,200.0	0.00	0.00	4,039.2	-910.1	409.6	998.1	0.00	0.00	0.00	
<b>9 5/8"</b>										
4,265.8	0.00	0.00	4,105.0	-910.1	409.6	998.1	0.00	0.00	0.00	
<b>Green River Tongue</b>										

**XTO Energy, Inc.**  
Planning Report

**Database:** EDM 2003.14 Single User Db  
**Company:** XTO Energy  
**Project:** Natural Buttes Wells(NAD83)  
**Site:** WHB 6-5H  
**Well:** WHB 6-5H  
**Wellbore:** WHB 6-5H  
**Design:** Permitted Wellbore

**Local Co-ordinate Reference:** Well WHB 6-5H  
**TVD Reference:** Rig KB @ 5435.0ft (Frontier #6)  
**MD Reference:** Rig KB @ 5435.0ft (Frontier #6)  
**North Reference:** True  
**Survey Calculation Method:** Minimum Curvature

**Planned Survey**

Measured Depth (m)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/S (ft)	+E/W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	
4,300.0	0.00	0.00	4,139.2	-910.1	409.6	998.1	0.00	0.00	0.00	
4,400.0	0.00	0.00	4,239.2	-910.1	409.6	998.1	0.00	0.00	0.00	
4,410.8	0.00	0.00	4,250.0	-910.1	409.6	998.1	0.00	0.00	0.00	
<b>Wasatch</b>										
4,500.0	0.00	0.00	4,339.2	-910.1	409.6	998.1	0.00	0.00	0.00	
4,600.0	0.00	0.00	4,439.2	-910.1	409.6	998.1	0.00	0.00	0.00	
4,700.0	0.00	0.00	4,539.2	-910.1	409.6	998.1	0.00	0.00	0.00	
4,800.0	0.00	0.00	4,639.2	-910.1	409.6	998.1	0.00	0.00	0.00	
4,900.0	0.00	0.00	4,739.2	-910.1	409.6	998.1	0.00	0.00	0.00	
5,000.0	0.00	0.00	4,839.2	-910.1	409.6	998.1	0.00	0.00	0.00	
5,100.0	0.00	0.00	4,939.2	-910.1	409.6	998.1	0.00	0.00	0.00	
5,200.0	0.00	0.00	5,039.2	-910.1	409.6	998.1	0.00	0.00	0.00	
5,210.8	0.00	0.00	5,050.0	-910.1	409.6	998.1	0.00	0.00	0.00	
<b>Chapita Wells</b>										
5,300.0	0.00	0.00	5,139.2	-910.1	409.6	998.1	0.00	0.00	0.00	
5,400.0	0.00	0.00	5,239.2	-910.1	409.6	998.1	0.00	0.00	0.00	
5,500.0	0.00	0.00	5,339.2	-910.1	409.6	998.1	0.00	0.00	0.00	
5,600.0	0.00	0.00	5,439.2	-910.1	409.6	998.1	0.00	0.00	0.00	
5,700.0	0.00	0.00	5,539.2	-910.1	409.6	998.1	0.00	0.00	0.00	
5,800.0	0.00	0.00	5,639.2	-910.1	409.6	998.1	0.00	0.00	0.00	
5,900.0	0.00	0.00	5,739.2	-910.1	409.6	998.1	0.00	0.00	0.00	
6,000.0	0.00	0.00	5,839.2	-910.1	409.6	998.1	0.00	0.00	0.00	
6,100.0	0.00	0.00	5,939.2	-910.1	409.6	998.1	0.00	0.00	0.00	
6,200.0	0.00	0.00	6,039.2	-910.1	409.6	998.1	0.00	0.00	0.00	
6,300.0	0.00	0.00	6,139.2	-910.1	409.6	998.1	0.00	0.00	0.00	
6,400.0	0.00	0.00	6,239.2	-910.1	409.6	998.1	0.00	0.00	0.00	
6,485.8	0.00	0.00	6,325.0	-910.1	409.6	998.1	0.00	0.00	0.00	
<b>Uteland Buttes</b>										
6,500.0	0.00	0.00	6,339.2	-910.1	409.6	998.1	0.00	0.00	0.00	
6,600.0	0.00	0.00	6,439.2	-910.1	409.6	998.1	0.00	0.00	0.00	
6,700.0	0.00	0.00	6,539.2	-910.1	409.6	998.1	0.00	0.00	0.00	
6,800.0	0.00	0.00	6,639.2	-910.1	409.6	998.1	0.00	0.00	0.00	
6,900.0	0.00	0.00	6,739.2	-910.1	409.6	998.1	0.00	0.00	0.00	
7,000.0	0.00	0.00	6,839.2	-910.1	409.6	998.1	0.00	0.00	0.00	
7,100.0	0.00	0.00	6,939.2	-910.1	409.6	998.1	0.00	0.00	0.00	
7,200.0	0.00	0.00	7,039.2	-910.1	409.6	998.1	0.00	0.00	0.00	
7,280.8	0.00	0.00	7,120.0	-910.1	409.6	998.1	0.00	0.00	0.00	
<b>Mesaverde</b>										
7,300.0	0.00	0.00	7,139.2	-910.1	409.6	998.1	0.00	0.00	0.00	
7,400.0	0.00	0.00	7,239.2	-910.1	409.6	998.1	0.00	0.00	0.00	
7,500.0	0.00	0.00	7,339.2	-910.1	409.6	998.1	0.00	0.00	0.00	
7,600.0	0.00	0.00	7,439.2	-910.1	409.6	998.1	0.00	0.00	0.00	
7,700.0	0.00	0.00	7,539.2	-910.1	409.6	998.1	0.00	0.00	0.00	
7,800.0	0.00	0.00	7,639.2	-910.1	409.6	998.1	0.00	0.00	0.00	
7,900.0	0.00	0.00	7,739.2	-910.1	409.6	998.1	0.00	0.00	0.00	
8,000.0	0.00	0.00	7,839.2	-910.1	409.6	998.1	0.00	0.00	0.00	
8,100.0	0.00	0.00	7,939.2	-910.1	409.6	998.1	0.00	0.00	0.00	
8,200.0	0.00	0.00	8,039.2	-910.1	409.6	998.1	0.00	0.00	0.00	
8,300.0	0.00	0.00	8,139.2	-910.1	409.6	998.1	0.00	0.00	0.00	
8,400.0	0.00	0.00	8,239.2	-910.1	409.6	998.1	0.00	0.00	0.00	
8,500.0	0.00	0.00	8,339.2	-910.1	409.6	998.1	0.00	0.00	0.00	
8,600.0	0.00	0.00	8,439.2	-910.1	409.6	998.1	0.00	0.00	0.00	
8,700.0	0.00	0.00	8,539.2	-910.1	409.6	998.1	0.00	0.00	0.00	

**XTO Energy, Inc.**  
Planning Report

**Database:** EDM 2003.14 Single User Db  
**Company:** XTO Energy  
**Project:** Natural Buttes Wells(NAD83)  
**Site:** WHB 6-5H  
**Well:** WHB 6-5H  
**Wellbore:** WHB 6-5H  
**Design:** Permitted Wellbore

**Local Co-ordinate Reference:** Well WHB 6-5H  
**TVD Reference:** Rig KB @ 5435.0ft (Frontier #6)  
**MD Reference:** Rig KB @ 5435.0ft (Frontier #6)  
**North Reference:** True  
**Survey Calculation Method:** Minimum Curvature

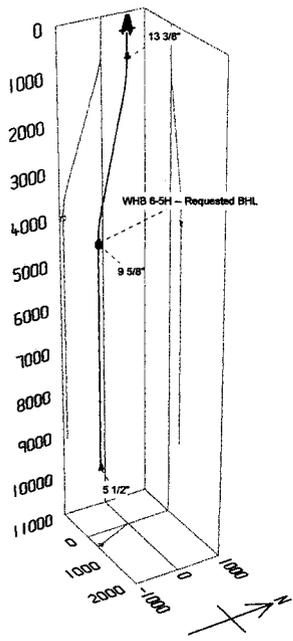
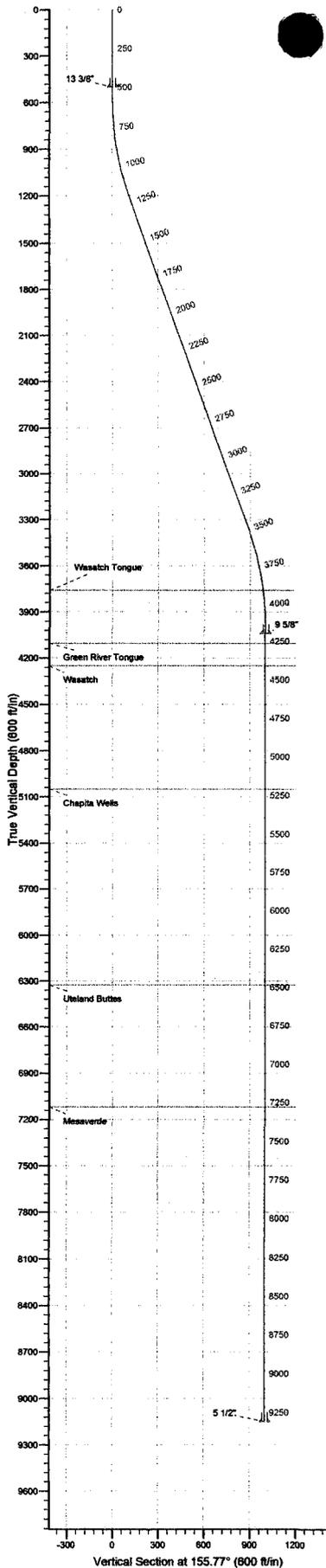
Planned Survey										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N-S (ft)	+E-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	
8,800.0	0.00	0.00	8,639.2	-910.1	409.6	998.1	0.00	0.00	0.00	
8,900.0	0.00	0.00	8,739.2	-910.1	409.6	998.1	0.00	0.00	0.00	
9,000.0	0.00	0.00	8,839.2	-910.1	409.6	998.1	0.00	0.00	0.00	
9,100.0	0.00	0.00	8,939.2	-910.1	409.6	998.1	0.00	0.00	0.00	
9,200.0	0.00	0.00	9,039.2	-910.1	409.6	998.1	0.00	0.00	0.00	
9,300.0	0.00	0.00	9,139.2	-910.1	409.6	998.1	0.00	0.00	0.00	
9,310.0	0.00	0.00	9,149.2	-910.1	409.6	998.1	0.00	0.00	0.00	
5 1/2"										
9,310.8	0.00	0.00	9,150.0	-910.1	409.6	998.1	0.00	0.00	0.00	

Targets										
Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N-S (ft)	+E-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude	
WHB 6-5H - Requested	0.00	0.00	4,000.0	-910.1	409.6	3,343,462.46	2,139,664.90	40° 29' 27.888 N	109° 42' 18.128 W	
- hit/miss target										
- Shape										
- Circle (radius 50.0)										

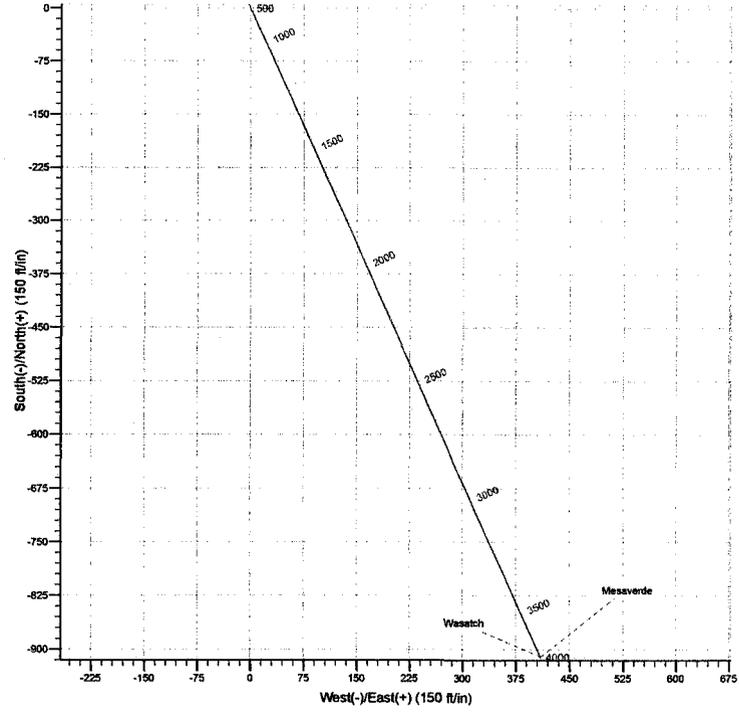
Casing Points						
Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (")	Hole Diameter (")		
500.0	500.0	13 3/8"	13-3/8	17-1/2		
4,200.0	4,039.2	9 5/8"	9-5/8	12-1/4		
9,310.0	9,149.2	5 1/2"	5-1/2	7-7/8		

Formations						
Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)	
3,920.2	3,760.0	Wasatch Tongue		0.00		
4,265.8	4,105.0	Green River Tongue		0.00		
4,410.8	4,250.0	Wasatch		0.00		
5,210.8	5,050.0	Chapita Wells		0.00		
6,485.8	6,325.0	Uteland Buttes		0.00		
7,280.8	7,120.0	Mesaverde		0.00		

<b>WELL DETAILS: WHB 6-5H</b>	
Ground Level: 5421.0 -1048.0 FNL 1527.0 FWL	
Project: Natural Buttes Wells(NAD83) Site: WHB 6-5H Well: WHB 6-5H Wellbore: WHB 6-5H Permitted Wellbore	



FORMATION TOP DETAILS			
TVDPath	MDPath	Formation	
3760.0	3920.2	Wasatch Tongue	
4105.0	4265.8	Green River Tongue	
4250.0	4410.8	Wasatch	
5050.0	5210.8	Chapita Wells	
6325.0	6485.8	Uteland Buttes	
7120.0	7280.8	Mesaverde	
CASING DETAILS			
TVD	MD	Name	Size
500.0	500.0	13 3/8"	13-3/8
4039.2	4200.0	9 5/8"	9-5/8
9149.2	9310.0	5 1/2"	5-1/2
PROJECT DETAILS: Natural Buttes Wells(NAD83)			
Geodetic System: US State Plane 1983			
Datum: North American Datum 1983			
Ellipsoid: GRS 1980			
Zone: Utah Northern Zone			
System Datum: Mean Sea Level			



Vertical Section at 155.77° (800 ft/in)

SECTION DETAILS										
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	560.0	0.00	0.00	560.0	0.0	0.0	0.00	0.00	0.0	
3	1219.7	19.79	155.77	1206.8	-102.9	46.3	3.00	155.77	112.8	
4	3501.1	19.79	155.77	3353.4	-807.3	363.3	0.00	0.00	885.3	
5	4180.8	0.00	0.00	4000.0	-910.1	409.6	3.00	180.00	998.1	WHB 6-5H - Requested BHL
6	9310.8	0.00	0.00	9150.0	-910.1	409.6	0.00	0.00	998.1	

Azimuths to True North  
 Magnetic North: 11.69°  
 Magnetic Field  
 Strength: 52944.4nT  
 Dip Angle: 66.33°  
 Date: 11/7/2007  
 Model: IGRF200510

## SURFACE USE PLAN

### CONDITIONS OF APPROVAL

#### ***Attachment for Permit to Drill***

**Name of Operator:** XTO Energy, Inc.  
**Address:** P.O. Box 1360; 978 North Crescent  
Roosevelt, Utah 84066  
**Well Location:** WBH 6-5H  
*Surface Location:* 1,046' FNL & 1,527' FWL, Lot 3 (NW/4 NW/4),  
*Target Location:* 1,950' FNL & 1,950' FWL, SE/4 NW/4,  
Section 5, T11S, R20E, SLB&M, Uintah County, Utah

The surface owner or surface owner representative and dirt contractor will be provided with an approved copy of the surface use plan of operations and approved conditions of approval before initiating construction.

The BLM onsite inspection for the referenced well was conducted on Wednesday, June 6, 2007 at approximately 12:00 pm. In attendance at the onsite inspection were the following individuals:

Bruce Pargeets	Tribal Technician	Ute Indian Tribe – Energy & Minerals
Shawnee Guzman	BIA Technician	Bureau of Indian Affairs – U & O Agency
Karl Wright	Nat. Res. Prot. Spec.	Bureau of Land Management – Vernal
Ken Secrest	Regulatory Coordinator	XTO Energy, Inc.
Danny Rasmussen	Surveyor	Uintah Engineering & Land Surveying
Randy Jackson	Onwer	Jackson Construction
Billy McClure	Foreman	LaRose Construction
Don Hamilton	Agent	Buys & Associates, Inc.

1. Location of Existing Roads:

- a. The proposed well site is located approximately 13.53 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 Wild Horse Bench area. 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 Right-of-Way is not anticipated for the access road or utility corridor since both are located entirely on tribal surface with surface use presently in place.

2. Planned Access Roads:

- a. From the existing Wild Horse Ranch access road an access is proposed trending east approximately 1.4 miles along existing disturbance to the proposed well site. The access crosses no significant drainages.
- b. A road design plan is not anticipated at this time.
- c. The proposed access road will consist of a 24' travel surface within a 30' disturbed area across Ute Indian Tribe lands.
- d. BLM approval to construct and utilize the proposed access road is requested with this application.
- e. A maximum grade of 10% will be maintained throughout the project.
- f. No turnouts are proposed since adequate site distance exists in all directions.
- g. No low water crossings and no culverts are anticipated. Adequate drainage structures will be incorporated into the road.
- h. No surfacing material will come from federal or Indian lands.
- i. No gates or cattle guards are anticipated at this time.
- j. Surface disturbance and vehicular travel will be limited to the approved location access road.
- k. 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).
- l. The operator will be responsible for all maintenance of the access road including drainage structures.

3. Location of Existing Wells:

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

4. Location of Existing and/or Proposed Production Facilities:

- a. All permanent structures will be painted a flat, non-reflective Desert Brown /Carlsbad Canyon 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 lease, 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 pipeline corridor containing a single steel gas pipeline and a single steel or poly pipe water pipeline is associated with this application and is being applied for at this time. The proposed pipeline corridor will leave the west side of the well site and traverse 560' west to the proposed WHB 4-5H and WHB 5-5H pipeline corridor then west 7,481' to the proposed WHB compressor suction pipeline proposed adjacent to the Wild Horse Ranch access road.
- i. The gas pipeline will be a 12" or less buried line and the water pipeline will be a 12" or less buried line within a 30' wide disturbed pipeline corridor. Construction of the pipeline corridor will temporarily utilize the 30' disturbed width for the road for a total disturbed width of 60' for the road and pipeline corridors. The use of the proposed well site and access roads will facilitate the staging of the pipeline corridor construction. A new buried pipeline corridor length of approximately 8,041' is associated with this well.
- j. XTO Energy, Inc. intends to bury the pipeline where possible and connect the pipeline together utilizing conventional welding technology.

5. Location and Type of Water Supply:

- a. No water supply pipelines will be laid for this well.
- b. No water well will be drilled for this well.
- c. Drilling water for this will be hauled on the road(s) shown in Attachment No. 3.
- d. Water will be hauled from one of the following sources:
  - o Water Permit # 43-10447, Section 33, T8S, R20E;
  - o Water Permit #43-2189, Section 33, T8S, R20E;
  - o Water Permit #49-2158, Section 33, T8S, R20E;
  - o Water Permit #49-2262, Section 33, T8S, R20E;
  - o Water Permit #49-1645, Section 5, T9S, R22E;
  - o Water Permit #43-9077, Section 32, T6S, R20E;
  - o Tribal Resolution 06-183, Section 22, T10S, R20E;

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

7. Methods of Handling Waste:

- 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 southeast 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 16 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 XTO Energy, Inc. 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.
- b. No camps, airstrips or staging areas are proposed with 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 southwest.
- c. The pad and road designs are consistent with BLM and Tribal specifications.
- d. A pre-construction meeting with responsible company representative, contractors, Ute Indian Tribe and the BLM 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; 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 from 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 (Interim Reclamation and Final Reclamation):

- 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. 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 re-contoured to the approximate natural contours.

- c. Following BLM published Best Management Practices the interim reclamation will be completed within 90 days of completion of the well to reestablish vegetation, reduce dust and erosion and compliment the visual resources of the area.
  - a. All equipment and debris will be removed from the area proposed for interim reclamation and the pit area will be backfilled and re-contoured.
  - b. The area outside of the rig anchors and other disturbed areas not needed for the operation of the well will be re-contoured to blend with the surrounding area and reseeded at 12 lbs /acre with the following native grass seeds:
    - o Crested Wheat Grass (4 lbs / acre)
    - o Needle and Thread Grass (4 lbs / acre)
    - o Rice Grass (4 lbs / acre)
  - c. Reclaimed areas receiving incidental disturbance during the life of the producing well will be re-contoured and reseeded as soon as practical.
- d. 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 Ute Indian Tribe or the appropriate County Extension Office. On Ute Indian Tribe 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.
- e. Prior to final abandonment of 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 Ute Indian Tribe. The Ute Indian Tribe recommended seed mix will be detailed within their approval documents.

11. Surface and Mineral Ownership:

- a. Surface Ownership – Ute Indian Tribe under the management of the Energy & Minerals Department, P.O. Box 190, Fort Duchesne, Utah 84026; 435-725-4950
- b. Mineral Ownership – Federal under the management of the Bureau of Land Management - Vernal Field Office, 170 South 500 East, Vernal, Utah 84078; 435-781-4400.

12. Other Information:

a. Operators Contact Information:

Title	Name	Office Phone	Mobile Phone	e-mail
Company Rep.	Ken Secrest	435-722-4521	435-828-1450	Ken_Secrest@xtoenergy.com
Agent	Don Hamilton	435-719-2018	435-719-2018	starpoint@etv.net

- b. AIA Archaeological has conducted a Class III archeological survey. A copy of the report is attached and has also been submitted under separate cover to the appropriate agencies by AIA Archaeological.
- c. Alden Hamblin has conducted a paleontological survey. A copy of the report is attached and has also been submitted under separate cover to the appropriate agencies by Alden Hamblin.
- d. Our understanding of the results of the onsite inspection are:

- a. No drainage crossings that require additional State or Federal approval are being crossed.
- b. No Threatened and Endangered flora and fauna species were found during the onsite inspection.
- c. The known arch site along the existing road is being avoided through a minor road re-route approved by the Ute Indian Tribe and the consulting archaeologist.

Certification:

I hereby certify that I, or someone under my direct supervision, have inspected the drill site and access route proposed herein; that I am familiar with the conditions which currently exist; that I am familiar with the conditions which currently exist; that I have full knowledge of state and Federal laws applicable to this operation; 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 in conformity with this APD package and the terms and conditions under which it is approved. I also certify that I, or the company I represent, am responsible for the operations conducted under this application and that bond coverage is provided under XTO Energy, Inc's BLM bond UTB-000138 and BIA bond 104312 789. These statements are subject to the provisions of 18 U.S.C. 1001 for the filing of false statements.

Executed this 26<sup>th</sup> day of November, 2007.

Don Hamilton

Don Hamilton -- Agent for XTO Energy, Inc.  
2580 Creekview Road  
Moab, Utah 84532

435-719-2018  
starpoint@etv.net

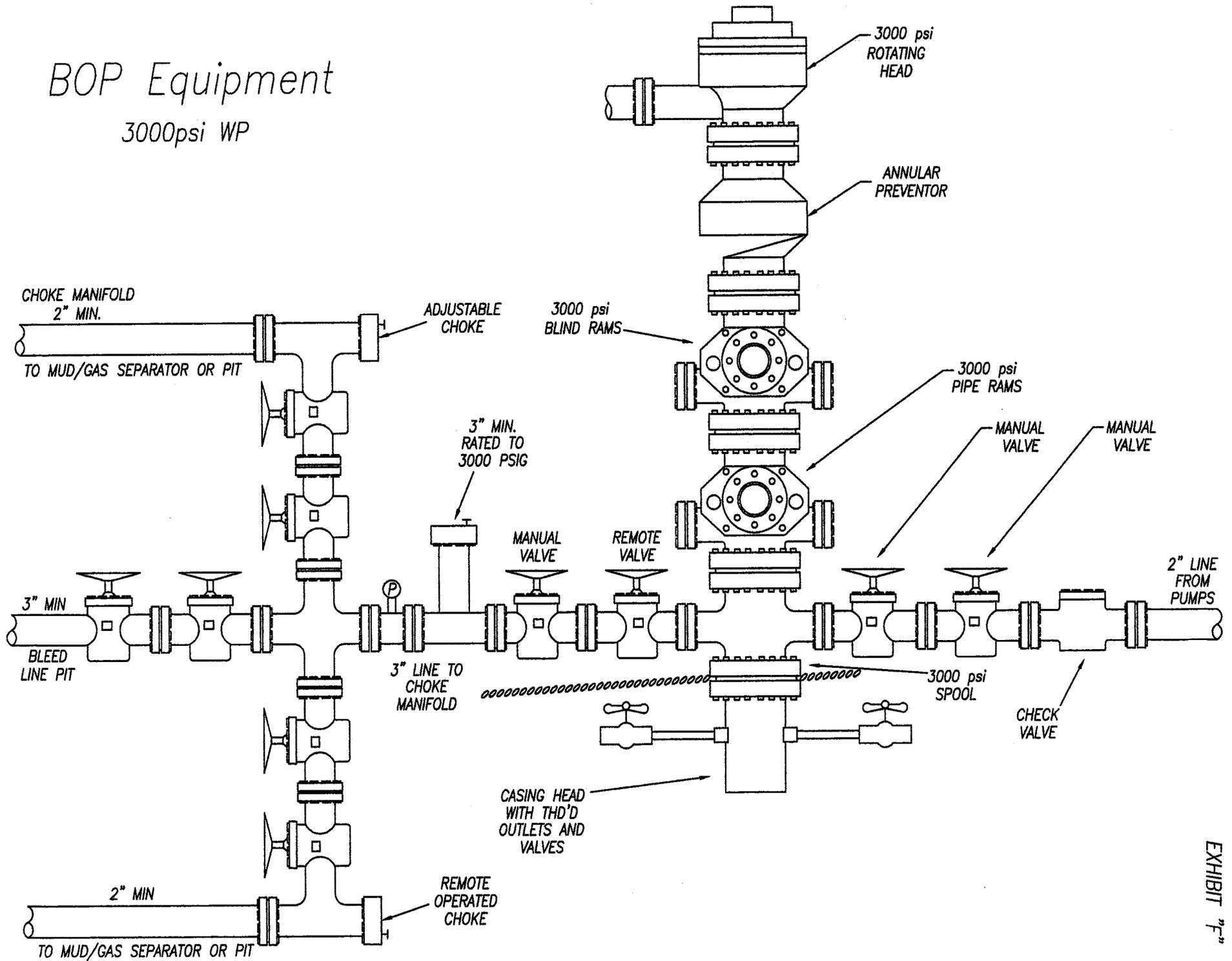
DOMINION EXPLR. & PROD., INC.  
WHB #3-5H & #6-5H  
SECTION 5, T11S, R20E, S.L.B.&M.

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, THEN SOUTHEASTERLY DIRECTION APPROXIMATELY 9.1 MILES ON THE SEEP RIDGE ROAD TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTH; TURN RIGHT AND PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 2.8 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE WEST; TURN RIGHT AND PROCEED IN A WESTERLY, THEN SOUTHWESTERLY DIRECTION APPROXIMATELY 0.5 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTH; TURN RIGHT AND PROCEED IN A NORTHERLY, THEN SOUTHWESTERLY DIRECTION APPROXIMATELY 2.8 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTHWEST; PROCEED IN A SOUTHWESTERLY DIRECTION APPROXIMATELY 3.7 MILES TO THE PROPOSED #4-5 - #5-5H AND THE BEGINNING OF THE PROPOSED ACCESS FOR THE #4-5H & #5-5H TO THE EAST; FOLLOW ROAD FLAGS IN AN EASTERLY, THEN NORTHEASTERLY, THEN EASTERLY DIRECTION APPROXIMATELY 1.3 MILES TO THE BEGINNING OF THE PROPOSED ACCESS TO THE SOUTHEAST; FOLLOW ROAD FLAGS IN A SOUTHEASTERLY, THEN NORTHEASTERLY DIRECTION APPROXIMATELY 0.1 MILES TO THE PROPOSED LOCATION.

TOTAL DISTANCE FROM VERNAL, UTAH TO THE PROPOSED WELL LOCATION IS APPROXIMATELY 51.3 MILES.

# BOP Equipment

3000psi WP



CLASS III CULTURAL RESOURCE INVENTORY OF DOMINION'S PROPOSED WILD  
HORSE BENCH LOCATION #3-5H and #6-5H, ASSOCIATED ACCESS ROAD, AND  
PIPELINE

UINTAH COUNTY, UTAH

Author:

Shina duVall, Cultural Resource Specialist

Prepared for:

Dominion Exploration & Production, Inc.  
1400 North State Street; PO Box 1360  
Roosevelt, UT 84066

Prepared by:

Buys & Associates, Inc. Environmental Consultants  
300 E. Mineral Avenue, Suite 10  
Littleton, CO 80122-2655

Principal Investigator: Jonathan D. Kent, Ph.D

Buys & Associates, Inc. Report No.: U-07-322-42-0002  
State of Utah Project No.: U-07-UY-0540i

May 21, 2007

Utah State Archaeological Survey Permit No.: 85  
United States Department of the Interior Federal Land Policy and Management Act  
(FLPMA) Permit No.: *Pending*

CONFIDENTIALITY NOTICE:

Section 304 of the National Historic Preservation Act (16 U.S.C. 470w-3[a]) and Section 9 of the Archaeological Resources Protection Act of 1979 (16 U.S.C. 470hh) establish regulations regarding the confidentiality of information concerning the nature and location of archaeological resources. Therein is stated that information concerning the nature and location of any archaeological resource may not be made available to the public unless the Federal land manager concerned determines that such disclosure would not create a risk of harm to such resources or to the site at which such resources are located, or impede the use of a traditional religious site by practitioners.

As such, to the extent permitted by law, all information on archaeological resources and their locations gathered and presented with regard to the proposed project will be treated as confidential. All parties associated with the proposed project will ensure (1) that all information regarding specific site locations is kept confidential except for disclosures required by law or necessary to carry-out protection of sites; (2) that specific site locations are not included in any document made available to the general public; and (3) this information shall not be utilized by the requestor to destroy, excavate, or vandalize resources.

## ABSTRACT

A Class III cultural resource inventory was conducted by Buys & Associates, Inc. in May 2007 for Dominion Exploration & Production, Inc.'s proposed locations #3-5H and #6-5H as well as 0.10 miles of associated access road and pipeline. The Project Area is located east of the Green River, just southwest of the confluence of Hill Creek, Willow Creek, and Pariette Draw in the general area of Wild Horse Bench and Brown Canyon in the Uinta Basin, Uintah County, Utah. The legal location of the Project Area is Section 5, Township 11S, Range 20E. The total area of survey included 10.7 acres on land administered by the Ute Indian Tribe on the Uintah and Ouray Indian Reservation.

This Class III inventory resulted in the identification of one previous cultural resource inventory that was conducted within 1 mile of the Project Area. No cultural resources were identified during the previous inventory. No new cultural resources were recorded as a result of this inventory.

No avoidance or mitigation measures are recommended for the proposed project as there will be no effects to any historic properties as a result of the undertaking. Therefore, a determination of "no historic properties affected" is proposed for the project pursuant to Section 106 of the National Historic Preservation Act (36 CFR 800).

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# 1. INTRODUCTION

Buys & Associates, Inc. (B&A) conducted this Class III cultural resource inventory of Dominion Exploration & Production, Inc.'s (Dominion) proposed well locations #3-5 and #6-5, as well as 0.10 miles of associated access road and pipeline. The Project Area is located east of the Green River, just southwest of the confluence of Hill Creek, Willow Creek, and Pariette Draw in the general area of Wild Horse Bench and Brown Canyon in the Uinta Basin, Uintah County, Utah. The legal location of the Project Area is in Section 5, Township 11S, Range 20E (Figure 1.1). The total area of survey included 10.7 acres on land administered by the Ute Indian Tribe on the Uintah and Ouray Indian Reservation.

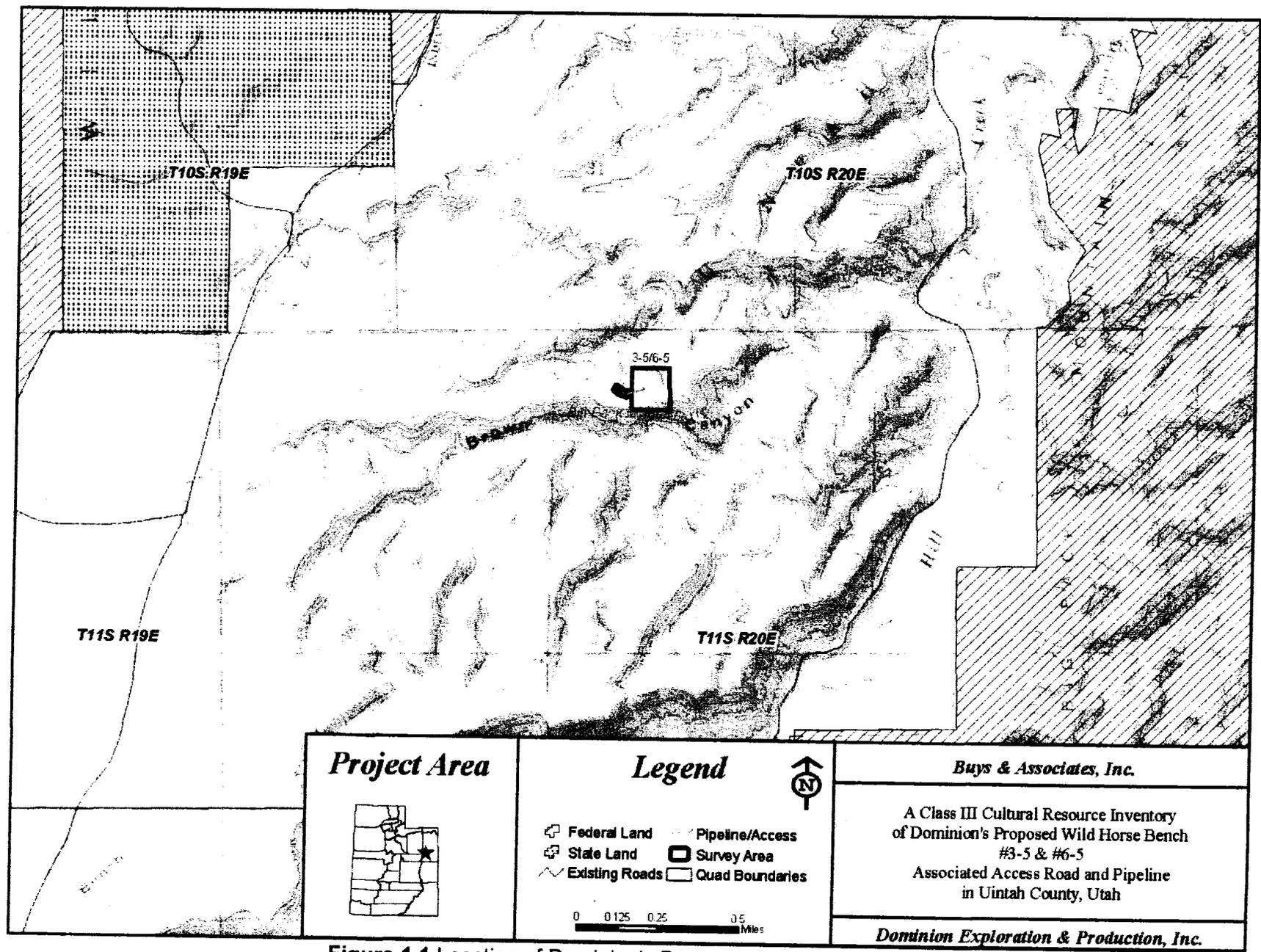
This cultural resource inventory was conducted in compliance with Federal and State legislation including Section 106 of the National Historic Preservation Act of 1966 (as amended) (NHPA), the National Environmental Policy Act of 1969, the Archaeological and Historic Preservation Act of 1974, the Archaeological Resources Protection Act of 1979 (ARPA), and the American Indian Religious Freedom Act of 1978. The NHPA sets forth national policy and procedures regarding "historic properties"—that is, regions, sites, buildings, structures, and objects included in or eligible for the National Register of Historic Places (NRHP). Section 106 of the NHPA requires Federal agencies to consider the effects of their undertakings on such properties, following regulations issued by the Advisory Council on Historic Preservation (ACHP) (36 CFR 800).

Criteria for evaluating the significance of resources for listing on the NRHP are outlined in 36 CFR 800.10, "National Register Criteria." The quality of significance in American history, architecture, archaeology, engineering, and culture is present in districts, sites, buildings, structures, and objects that possess integrity of location, design, setting, materials, workmanship, feeling, and association, and,

- a) That are associated with events that have made a significant contribution to the broad patterns of our history.
- b) That are associated with the lives of persons significant in our past.
- c) That embody the distinctive characteristics of a type, period, or method of construction, or represent the work of a master, or that possess high artistic values, or that represent a significant and distinguishable entity whose components may lack individual distinction, and,
- d) That have yielded, or may be likely to yield, information important in prehistory or history.

This Class III cultural resource inventory was conducted by Shina duVall and Jenny Lange of B&A during the week of May 7-11, 2007. The archaeologists were accompanied in the field by personnel from the Ute Tribe Energy and Minerals Department. The records search was conducted by Marty Thomas at the Division of State History, Salt Lake City, Utah on April 28, 2007. Jonathan D. Kent, Ph.D served as the principal investigator. All field notes and photographs are on file at B&A's office in Littleton, Colorado under project number U-07-322-42-0002.

This Class III inventory resulted in the identification of one previous cultural resource inventory that was conducted within 1 mile of the Project Area. No cultural resources were identified during the previous inventory. No new cultural resources were recorded as a result of this inventory.



<p><b>Project Area</b></p> 	<p><b>Legend</b></p> <ul style="list-style-type: none"> <li> Federal Land</li> <li> State Land</li> <li> Existing Roads</li> <li> Pipeline/Access</li> <li> Survey Area</li> <li> Quad Boundaries</li> </ul> <p style="text-align: center;">0 0.125 0.25 0.5 Miles</p>	<p style="text-align: center;"><i>Buys &amp; Associates, Inc.</i></p> <p style="text-align: center;">A Class III Cultural Resource Inventory of Dominion's Proposed Wild Horse Bench #3-5 &amp; #6-5 Associated Access Road and Pipeline in Uintah County, Utah</p> <p style="text-align: center;"><i>Dominion Exploration &amp; Production, Inc.</i></p>
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**Figure 1.1** Location of Dominion's Proposed Wild Horse Bench #3-5H and #6-5H, Associated Access Road and Pipeline

## 2. ENVIRONMENT

The Uinta Basin and Mountains are located in the northeast corner of the state of Utah and are part of a larger physiographic area known as the Colorado Plateau. The Project Area is located east of the Green River, just west of the confluence of Hill Creek, Willow Creek, and Pariette Draw in the general area of Wild Horse Bench and Brown Canyon in the Uinta Basin, Uintah County, Utah. The elevation of the Project Area ranges from approximately 5,300 to 5,600 feet. The topography consists of flat rocky ridges dissected by deep narrow canyons. It is characterized by raised, sloping benches or rides, incised ephemeral draws, and washes. Soils in the Project Area are shallow and consist of clay loams. Colluvium with some bedrock sandstone is also present. Drainage in the area is to the north with the Alger Pass drainages associated with Kings Canyon and the Willow Creek Unit drainages connected to Brown Canyon. Vegetation in the area includes Utah juniper, pinyon pine, black sagebrush, shadscale, galleta grass, Gardner's saltbush, prickly phlox, horsebrush, bud sage, American kochia, and cheat grass, with either pinyon and juniper trees and sagebrush as the dominant vegetation type. The Project Area and the Green River to the north and west provide habitat for numerous species of birds, mammals, reptiles, amphibians, fish, and invertebrates. Modern disturbances include oil and gas facilities and various roads.

## 3. CULTURE HISTORY

The prehistory of the Uinta Basin is complex and poorly understood because of its location at the intersection of the Great Basin, Colorado Plateau, and Northern Plains cultures. The cultural trajectory of change in the Uinta Basin has been generally categorized into five cultural-chronological periods, defined by Jennings (1986). These are the Paleoindian, Archaic, Formative (Fremont), Post Formative (Protohistoric), and Contact periods. The earliest evidence of a human presence in the area (during the Paleoindian period) dates back to approximately 12,000 years before present (B.P.) during the terminal Pleistocene. This period is characterized by specialized hunting of big game animals, including the now-extinct species of mammoth and bison. Evidence for the Paleoindian presence in the Uinta Basin region comes from a few Clovis and Folsom projectile points and some Plano Complex lanceolate projectile points (Hauck 1998). However, these sparse isolated finds define the extent of the Paleoindian presence in the area, as few sites associated with the period have been sufficiently documented (Spangler 1995:332).

The Archaic stage, which dates from approximately 8000 B.P. to 1500 B.P., is better represented in the archaeological record of the area. This period is further subdivided into the Early Archaic phase, which dates from approximately 8000 to 5000 B.P.; the Middle Archaic, which dates to approximately 5000 B.P. to 2500 B.P.; and the Late Archaic, which dates from approximately 2500 B.P. to 1450 B.P. In the Uinta Basin, there are few artifacts or sites dating to the Early Archaic, but the Middle and Late Archaic phases are better represented in the archaeological record (Holmer 1986). In comparison to the Paleoindian period, the Archaic period is characterized by increased foraging subsistence strategy. Archaic peoples exploited a wide variety of floral resources, and began hunting an array of smaller to medium-sized game animals such as cottontail rabbits, muskrats, birds, beavers, prairie dogs, deer, antelope, mule, and

bighorn sheep. Archaic period cultural material includes an elaboration and expansion of the lithic toolkit with the introduction of new types of projectile points and the atlatl. Site types associated with the Archaic period include rock shelters, open-air campsites, plant gathering areas, and processing sites (Spangler 1995). The archaeological record indicates that the population in the Uinta Basin increased during the Middle Archaic period and continued to increase into the Late Archaic period. The first evidence of the construction of formal architectural features, such as semi-subterranean residential structures, and the beginnings of maize horticulture begin during the Late Archaic period.

The Formative period (Fremont) dates to approximately 2500 B.P. to annos domini (A.D.) 1400. During this period, the populations living in the Uinta Basin became more dependent on cultivated crops including corn, beans, and squash (Marwitt 1970). The Formative period is also marked by increased sedentism and the introduction of more elaborate and formal architectural features, such as shallow pithouse structures. Larger groups began occupying more permanent villages and some habitation sites appear to be positioned in strategic locations, such as atop buttes (Shields 1970). In addition, the Formative period, known in this area as the Uinta Fremont period, witnessed the introduction of additional specialized technologies such as ceramics and the bow and arrow. The archaeology of Uinta Fremont period architectural features has revealed evidence of postholes, hearths, two-handled wide-mouth vessels, and metates (Shields 1970).

The archaeological record indicates that the Formative period overlaps with the Post-Formative (Protohistoric) period as evidence suggests the arrival of Numic peoples in the area before the disappearance of Formative-period peoples (Reed 1994). Evidence of Numic (Ute and Shoshonean) artifacts and sites appears around approximately A.D. 1100. This transition from the Formative to the Post-Formative (Protohistoric) periods is characterized by a return to subsistence and settlement patterns that resembled the Archaic period trends, including more nomadic and semi-sedentary lifeways, and increased hunting and gathering. The exact nature, timing, and reasons for this transition and the apparent replacement of the rich and extensive Fremont culture and subsequent return to a more nomadic, hunting and gathering lifeway is unknown. Floral and faunal resources exploited by Numic-speaking peoples appear to have included goosefoot, grass seeds, pinyon nuts, juniper berries, squawbush berries and leaves, hackberry seeds, saltbush seeds, knotweed, chokecherry, chickweed, various small game, and deer, elk, pronghorn, and bison (Reed 1994:191). The habitation features of the Numic-speaking peoples consist primarily of wickiups, which are frame huts covered with matting made from bark or brush. It appears that the seasonal movement of small groups during this period was necessary to utilize these various resources. Cultural material in the archaeological record that is associated with Numic-speaking peoples include lithic stone tool scatters, brown ware pottery, "Shoshonean knives" (Janetski 1994), and rock art.

Euro-American activity in the Uinta Basin began with an initial interest in trapping and mineral and petroleum development and is generally defined by periods of Exploration, Trapping and Trading (1776-1852); Early Settlement (1853-1861); Reservation (1862-1868); Secondary Settlement and Early Irrigation (1869-1885); Mineral Development (1886-1904); Land Rush and Water Development (1905-1927); Drought, Depression, and World War II (1928-1945); and Post-War (1946-present).

The Dominguez and Escalante expedition of 1776 marks the beginning of the historic period in this area. In his diary, Escalante called the basin "a fine plain abounding in pasturage and fertile, arable land, provided it were irrigated." These explorers opened the basin to Spanish, Mexican, American, and British fur-trappers, traders, and settlers. Over the next 100 years, early trappers, Mormon settlers, surveyors, and military expeditions passed through or settled in the area. Historic resource exploitation in this area includes mining, logging, and oil and gas extraction. The early historic periods were often marked by conflict between the original inhabitants of the region and Euro-American groups.

Between the late 1820s and the 1840s, the basin and mountains were visited by such prominent historical figures as William H. Ashley, Etienne Provost, Antoine Robidoux, and Kit Carson. At least two semi-permanent trading posts were established in the basin. These included Fort Robidoux (Fort Uintah or Winty) and Fort Kit Carson. Furthermore, several expeditions visited the area, including the Captain John C. Fremont expedition during the 1840s, and that of Major John Wesley Powell who floated the Green River in 1869 and 1871. The area was not initially identified as an area to be settled by Mormon leaders. In the early 1860s, Brigham Young sent a small expedition to the area to determine its suitability for settlement, but the expedition reported that "all that section of country lying between the Wasatch Mountains and the eastern boundary of the territory, and south of Green River country, was one vast contiguity of waste and measurably valueless...excepting for nomadic purposes, hunting grounds for Indians and to hold the world together."

The Uintah Reservation was established in 1861. Several Ute groups, including the Uinta-ats (Tavaputs), PahVant, Tumpawanach, Cumumba, and Sheberetch formed the Uintah Band during the late 1860s to early 1870 (Burton 1996). The Uintah Reservation was established to include Utes who had previously lived in central Utah and Ute groups from Colorado, specifically the White River Utes who had participated in the Meeker Massacre of September 29, 1879, were added to the Utah reservation in 1882 (Burton 1996; Callaway, Janetski, and Stewart 1986). The establishment of the reservation and subsequent inclusion of Ute groups from Colorado required that the Utes living in central Utah and the White River Utes of Colorado give up their residence there, and move to the Uintah Reservation, which is located in the northeast portion of the state of Utah. In addition, the Ouray Reservation, which bordered the southern boundary of the Uintah Reservation, was established during this time. This reservation was set up to include a band of Uncompahgre Utes. The Utes that were forced to move into these reservations were forced to sell their lands, and in many cases were not compensated for any resulting loss of land or independence. Furthermore, their relocation, residence, and containment on the two reservations was enforced militarily by the infantry stationed at the Department of War at Fort Thornburgh, which was established in 1881 (Burton 1996). Originally, the Uintah-Ouray Reservation encompassed over 3.5 million acres. However today, the Uintah Utes, White River Utes, and Uncompahgre Utes occupy only a small fraction of their former reservation lands. Between 1890 and 1933, over 500,000 acres of the Uintah-Ouray Reservation were taken for homesteading, and in 1906, over 900,000 additional acres were taken from the reservation and added to the National Forests (Clemmer 1986).

Thomas Smart was one of the first white settlers to inhabit the area east of Ouray in 1878. This was followed by additional settlement in the area of the White River in the late 1870s to early 1880s. In 1888, gilsonite and other asphaltum minerals were

discovered in various parts of the basin, which included eastern portions of the Uintah-Ouray Reservation. Miners convinced the Federal government to withdraw 7,000 acres from the reservation so that they could legally proceed with gilsonite mining activities. This area was called "the Strip." Between the late 1880s and early 1900s, the Dawes Act of 1887 and other mining and development campaigns succeeded in opening the Uinta Basin Indian Reservations, including the Uintah, the Ouray, and the Uncompahgre, to homesteading, development, and mining activities. The Mormon presence and increased settlement in the area grew after Thomas Smart's brother, William H. Smart, organized several expeditions into the Ouray Valley and the newly opened Ute Reservation. William H. Smart also became the president of the Wasatch Latter Day Saints (LDS) State in 1901 (Burton 1998). Several LDS families relocated to this area following Smart's initial exploration.

Early settlers in the region depended on livestock as the primary industry. Ranching and livestock make up an important part of the history of the Uinta Basin. Cattle were brought in from Brown's Park in Texas and other eastern areas since the early 1850s, and they were brought up to the Green River and surrounding mountain areas. The area offered an abundance of grass and water appropriate for livestock management. In 1912, the Uintah Cattle and Horse Growers Association was established. This group served to organize and issue brands to ranchers and to curtail rampant cattle rustling, which was becoming a significant problem as existing ranches grew in size and new ranches were established in the area (Burton 1996). Following the development of the cattle ranching industry, the sheep industry and the production of wool became an important industry in the Uinta Basin and its introduction coincided and possibly played a part in the waning of the cattle ranching industry. Sheep were desirable because of their heartiness and ability to survive the difficult basin winters better than cattle. Robert Bodily introduced the region to sheep in 1879 when he introduced a herd of 60. Following this introduction, the number of sheep being ranched in the region grew to approximately 50,000 head by the mid 1890s. Large-scale shearing corrals were built by C.S. Carter, and later by the Uintah Railway Company, and in 1899, the Uinta Basin sheep ranching industry was shipping 500,000 pounds of wool out of the area. The enormous growth of the wool industry in the region resulted in the passing of the Taylor Grazing Act in 1934, which designated certain areas as "districts" to stockmen, and required permits for livestock grazing. This act and acts like it led in part to the development of the Bureau of Land Management in 1946 (Burton 1996).

Uintah County is recognized for its various natural resources. These include coal, copper, iron, asphalt, shale, and as aforementioned, gilsonite. Commercial oil production began in 1948, but was not fully exploited until the 1970s, when the price of crude oil increased. The region has since experienced a boom and bust economic climate that is highly dependent on the price of and demand for oil and gas. Most recently the economic stability of the Uinta Basin is increasingly dependent on world energy prices and demand.

#### **4. CLASS I INVENTORY**

A file search for previous projects and documented cultural resources was conducted at the Division of State History – Utah State Historic Preservation Office (SHPO) on April 28, 2007. The purpose of the file search was to identify the previous cultural resource inventories conducted within the Project Area and the number, type, and eligibility

recommendations made for all of the archaeological sites previously documented. The NRHP National Register Information System (NRIS) online database was also consulted to determine if there are any NRHP-listed sites within the Project Area.

The results of the Class I inventory indicated that one cultural resource inventory had been conducted within 1 mile of the Project Area. This inventory did not identify any cultural resources. This inventory and its findings are summarized in **Table 4.1**.

**Table 4.1 Previous Cultural Resource Inventories Conducted in the Vicinity of the Project Area and Applicable Findings**

<b>Project No.</b>	<b>Company Name</b>	<b>Project Name</b>	<b>Findings</b>
U-87-AF-636s,i	Archeological- Environmental Research Corporation	Cultural Resource Evaluation of Two Proposed Well Locations in the Hill Creek Locality of Uintah County, Utah	No Cultural Resources

## **5. FIELD SURVEY**

The objective of the field inventory is to identify and document all eligible prehistoric and historic archaeological sites, as well as areas that may have a high probability of significant subsurface materials that may be impacted by the proposed undertaking. During the survey, the ground surface is examined for archaeological artifacts, features, or other evidence of human presence including charcoal-stained sediments or rock surface oxidation indicating the presence of fire. Particular consideration is given to areas of existing surface disturbance, including areas of erosion, cutbanks, animal burrows, anthills, roads, and other areas of construction activities as these areas provide indications of the potential for subsurface deposits of cultural material.

The Class III field inventory was conducted on all areas proposed for surface disturbance. At each proposed well location, a 10-acre square parcel is defined, centered on the well pad center stake. The survey area width for the access road and pipeline routes is 30 meters (100 feet) to either side of the centerline. A 100 percent pedestrian coverage survey is then conducted on the entire 10-acre area with archaeologists walking parallel transects spaced at 15 meters (45 feet) apart.

## **6. SUMMARY OF THE KNOWN CULTURAL RESOURCES**

This Class III inventory resulted in the identification of one previous cultural resource inventory that was conducted within 1 mile of the Project Area. No cultural resources were identified during the previous inventory.

No new cultural resources were recorded during the survey of 10.7 acres for Dominion's Proposed Wild Horse Bench locations #3-5 and #6-5, associated access road and pipeline.

## **7. EVALUATION AND RECOMMENDATIONS**

No avoidance or mitigation measures are recommended for the proposed project as there will be no effects to any historic properties as a result of the undertaking. Therefore, a determination of "*no historic properties affected*" is proposed for the project pursuant to Section 106 of the NHPA (36 CFR 800).

To minimize any potential damage to or destruction of cultural resources and to maintain compliance with Federal and State cultural resource legislation, the following stipulations should be adhered to by all project personnel:

- The operator and its contractors would inform their employees about Federal regulations intended to protect cultural resources. All personnel would be informed that collecting artifacts, including arrowheads, is a violation of Federal law.
- If cultural resources are uncovered during surface-disturbing activities, the operator and its contractors would suspend all operations at the site and the discovery would be immediately reported to the Authorized Officer, who would arrange for a determination of significance in consultation with the SHPO, and if necessary, recommend a recovery or avoidance plan.
- All vehicular traffic, personnel and equipment movement, and construction activities should be confined to the locations surveyed for cultural resources as referenced in this report, and to the existing roadways and/or inventoried access routes.

## 8. REFERENCES

- Burton, D.K. 1996. *A History of Uintah County. Scratching the Surface*. Utah Centennial County History Series. Utah State Historical Society and Uintah County Commission, Salt Lake City, Utah.
- Burton, D.K. 1998. *Settlements of Uintah County, Digging Deeper*. Utah Centennial County History Series. Utah State Historical Society and Uintah County Commission, Salt Lake City, Utah.
- Callaway, D., J. Janetski, and O.C. Stewart. 1986. Ute. In *Great Basin*, edited by Warren L. D'Azevedo, pp. 336-367. Handbook of North American Indians, Volume II: Great Basin, edited by William C. Sturtevant, Smithsonian Institution, Washington.
- Clemmer, R.O. 1986. Hopis, Western Shoshones, and Southern Utes: Three Different Responses to the Indian Reorganization Act of 1934. *American Indian Cultural and Research Journal* 10:15-40.
- Hauck, F.R. 1986. Cultural Resource Examination of Four Proposed Well Locations in the Saddletree Draw - Atchees Wash Locality of Uintah County, Utah. Archaeological-Environmental Research Corporation, Bountiful, Utah. Report No. U-86-AF-781b.
- Holmer, R. 1986. Projectile Points of the Intermountain West. In *Anthropology of the Desert West: Essays in Honor of Jesse D. Jennings*, edited by Carol J. Condie and Don D. Fowler, pp. 89-116. *University of Utah Anthropological Papers* No. 110. Salt Lake City.
- Janetski, Joel. 1994. *Recent Transitions in the Eastern Great Basin: The Archaeological Record*. In *Across the West: Human Population Movement and the Expansion of the Numa*, edited by David B. Madsen and David Rhode, pp. 157-178. University of Utah Press, Salt Lake City, Utah.
- Jennings, J.D. 1986. *Handbook of North American Indians, Volume 11, Great Basin*. Subeditor and contributor. Washington, D.C.: Smithsonian Institution. American archaeology 1930-1985: One person's view. In *American Archaeology: Past, Present, and Future. A Celebration of the Society for American Archaeology, 1935-1985*, eds. D. Meltzer, D. Fowler, and J. A. Sabloff. Washington, D.C.: Smithsonian Institution Press.
- Marwitt, J.P. 1970. Median Village and Fremont Culture Regional Variation. *University of Utah Anthropological Papers* No. 95. Salt Lake City.
- Reed, A.D. 1994. The Numic Occupation of Western Colorado and Eastern Utah during the Prehistoric and Protohistoric Periods. In *Across the West: Human Population Movement and the Expansion of the Numa*, edited by D.B. Madsen and D. Rhode. University of Utah Press.
- Shields, W.F. 1970. The Fremont Culture in the Uinta Basin. Paper presented at the Fremont Culture Symposium, 35<sup>th</sup> Annual Meeting of the Society for American Archaeology, Mexico City.

Spangler, J.D. 1995. Paradigms and Perspectives, A Class I Overview of Cultural Resources in the Uinta Basin and Tavaputs Plateau, Volume II. Uinta Research, Salt Lake City, Utah.

# PALEONTOLOGY EVALUATION SHEET

---

**PROJECT:** Dominion Exploration Well WHB #3-5H & #6-5H

Survey included proposed road and pipeline to this well pad.

**LOCATION:** Fourteen miles south of Ouray, Utah. Section 5, LOT 3, T11S, R20E, S.L.B.&M.

**OWNERSHIP:** PRIV[ ] STATE[ ] BLM[ ] USFS[ ] NPS[ ] IND[ X ] MIL[ ] OTHER[ ]

**DATE:** May 8, 2007

**GEOLOGY/TOPOGRAPHY:** Uinta Formation, lower part, Eocene Age. Location sits on a narrow ridge, part of Wild Horse Bench, north of Browns Canyon. There is a lot of bench top cover of silty sand and weathering rock fragments. The road and pipeline come in from the west cross the bench through several small saddles with Uinta Formation exposures. Also, there are Uinta Formation exposures near and along the canyon walls.

**PALEONTOLOGY SURVEY:** YES [ X ] NO Survey [ ] PARTIAL Survey [ ]

Performed a pedestrian survey of the road, pipeline and well location.

**SURVEY RESULTS:** Invertebrate [ ] Plant [ ] Vertebrate [ X ] Trace [ ] No Fossils Found [ ]

A few fragments of turtle shell were observed along the pipeline in one saddle (A) and a few turtle shell fragments were found along the road in the other saddle (B). This material was recorded as a fossil locality 42Un2302V.

**PALEONTOLOGY SENSITIVITY:** HIGH [ ] MEDIUM [ x ] LOW [ X ] (PROJECT SPECIFIC)

**MITIGATION RECOMMENDATIONS:** NONE [ X ] OTHER [ ] (SEE BELOW)

No recommendations are being made for this well location.

There is always some potential for discovery of significant paleontological resources in the Uinta Formation. If significant vertebrate fossils (mammals, crocodiles, complete turtle shells, etc.) are encountered during construction, work should stop in that area and a paleontologist should be contacted to evaluate the material discovered.

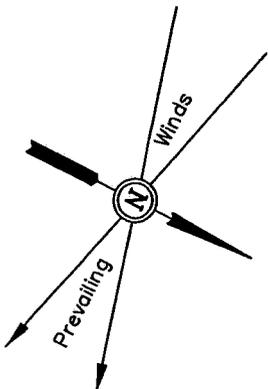
**PALEONTOLOGIST:** Alden H. Hamblin

*A.H. Hamblin Paleontological Consulting, 3793 N. Minersville Highway, Cedar City, Utah 84720 (435) 867-8355  
Utah State Paleontological Permit # 07-355, BLM paleontological Resources Permit # UT-S-05-02,  
Ute Tribe Access Permits – 03/31/06 & 09/30/07. Utah Professional Geologist License – 5223011-2250.*

**XTO ENERGY, INC.**

**LOCATION LAYOUT FOR**

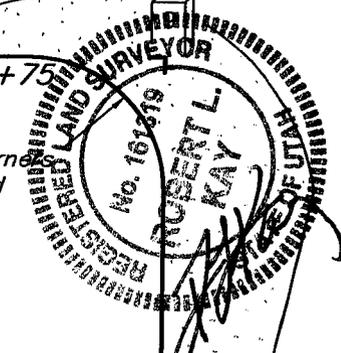
**WHB #3-5H & #6-5H  
SECTION 5, T11S, R20E, S.L.B.&M.  
LOT 3**



SCALE: 1" = 50'  
DATE: 04-19-07  
Drawn By: S.L.  
REVISED: 11-27-07 L.K.

Proposed Access Road

F-17.9'  
El. 398.5'



Sta. 3+75  
Round Corners  
as Needed

Approx.  
Top of  
Cut Slope

Total Pit Capacity  
W/2' of Freeboard  
= 12,400 Bbls. ±  
Total Pit Volume  
= 3,470 Cu. Yds.

FLARE PIT

El. 424.3'  
C-7.9'

El. 422.9'  
C-6.5'

PIPE RACKS

C-4.5'  
El. 420.9'

S24°13'39"E - 998.07'  
TO BOTTOM HOLE

El. 425.7'  
C-19.3'  
(btm. pit)

Reserve Pit Backfill  
& Spoils Stockpile

10' WIDE BENCH

209'

RESERVE PITS  
(10' Deep)

El. 422.9'  
C-6.5'

MUD TANKS

38'

20'

RIG

DOG HOUSE

C-4.4'  
El. 420.8'

PUMP

MUD SHED

HOPPER

POWER

TOOLS

FUEL

N47°08'33"E - 560.08'  
TO BOTTOM HOLE

TRAILER

TOILET

FUEL

200'

STORAGE TANK

Approx.  
Toe of  
Fill Slope

F-5.7'  
El. 410.7'

El. 418.9'  
C-12.5'  
(btm. pit)

10' WIDE BENCH

209'

RESERVE PITS  
(10' Deep)

El. 420.2'  
C-3.8'

TRASH

180'

20'

RIG

DOG HOUSE

C-3.0'  
El. 419.4'

PUMP

MUD SHED

HOPPER

POWER

TOOLS

FUEL

N47°08'33"E - 560.08'  
TO BOTTOM HOLE

TRAILER

TOILET

FUEL

200'

STORAGE TANK

Approx.  
Toe of  
Fill Slope

F-3.5'  
El. 412.9'

Topsoil Stockpile

Elev. Ungraded Ground at #6-5H Location Stake = 5420.9'  
Elev. Graded Ground at #6-5H Location Stake = 5416.4'

**XTO ENERGY, INC.**

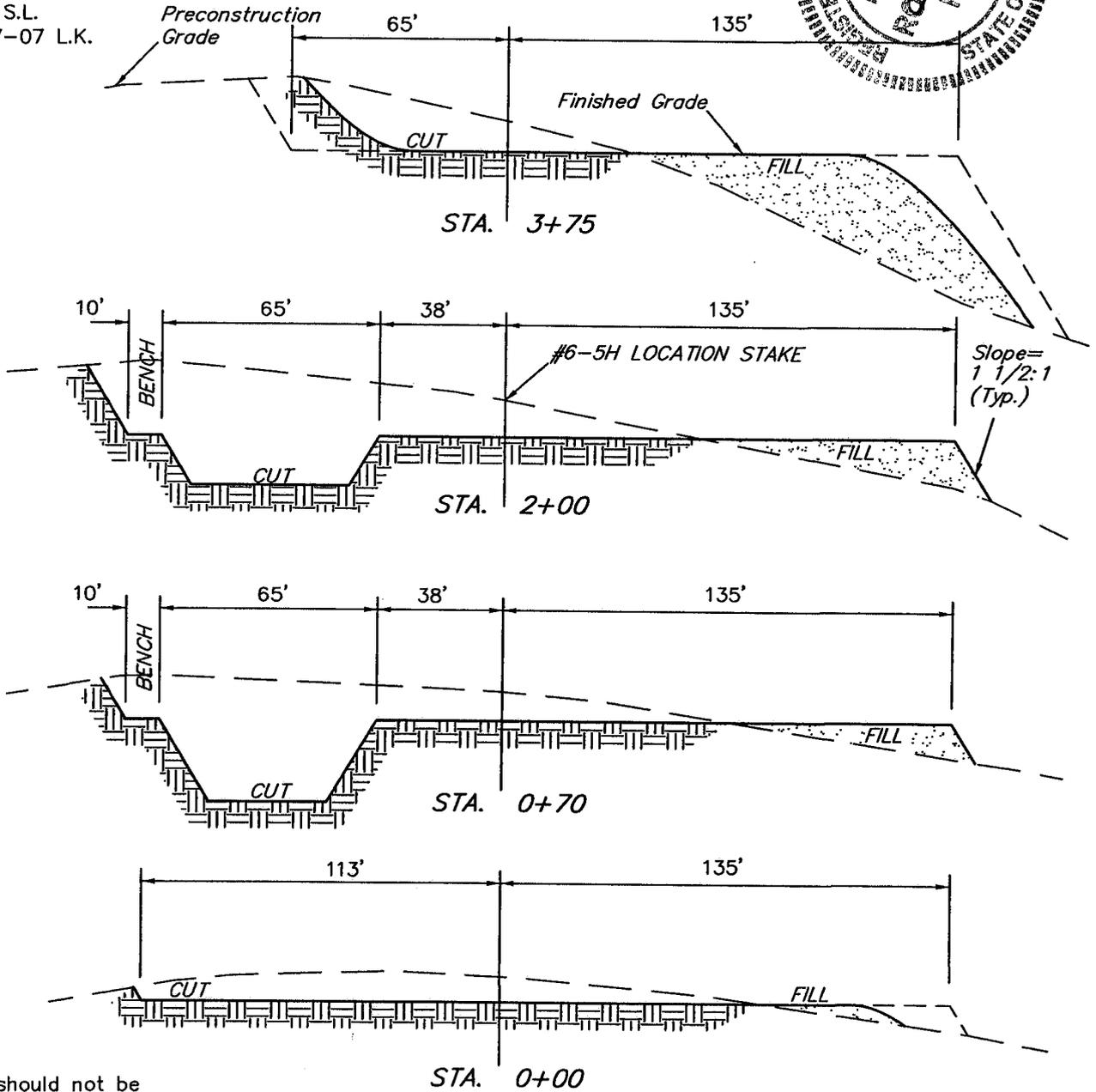
**TYPICAL CROSS SECTIONS FOR**

**WHB #3-5H & #6-5H  
SECTION 5, T11S, R20E, S.L.B.&M.  
LOT 3**



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

DATE: 04-19-07  
Drawn By: S.L.  
REVISED: 11-27-07 L.K.



**NOTE:**

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

**\* NOTE:**

FILL QUANTITY INCLUDES 5% FOR COMPACTION

**APPROXIMATE YARDAGES**

**CUT**

(12") Topsoil Stripping = 3,820 Cu. Yds.

Remaining Location = 10,590 Cu. Yds.

**TOTAL CUT = 14,410 CU.YDS.**

**FILL = 8,850 CU.YDS.**

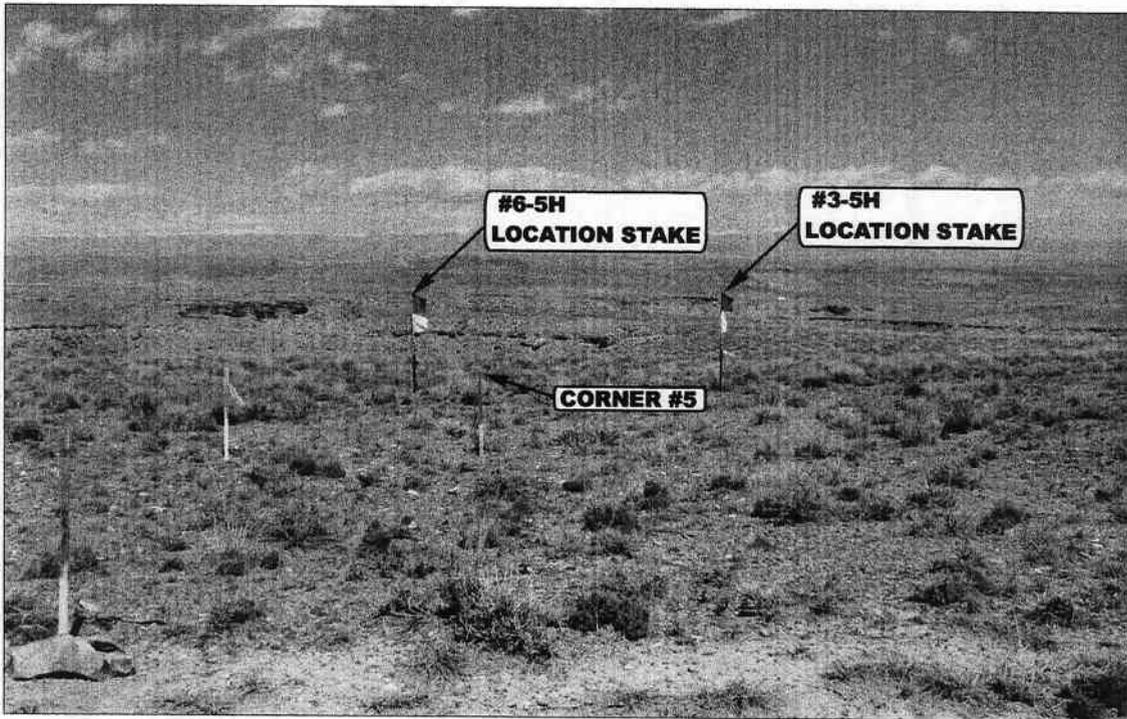
EXCESS MATERIAL = 5,560 Cu. Yds.

Topsoil & Pit Backfill = 5,560 Cu. Yds.  
(1/2 Pit Vol.)

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

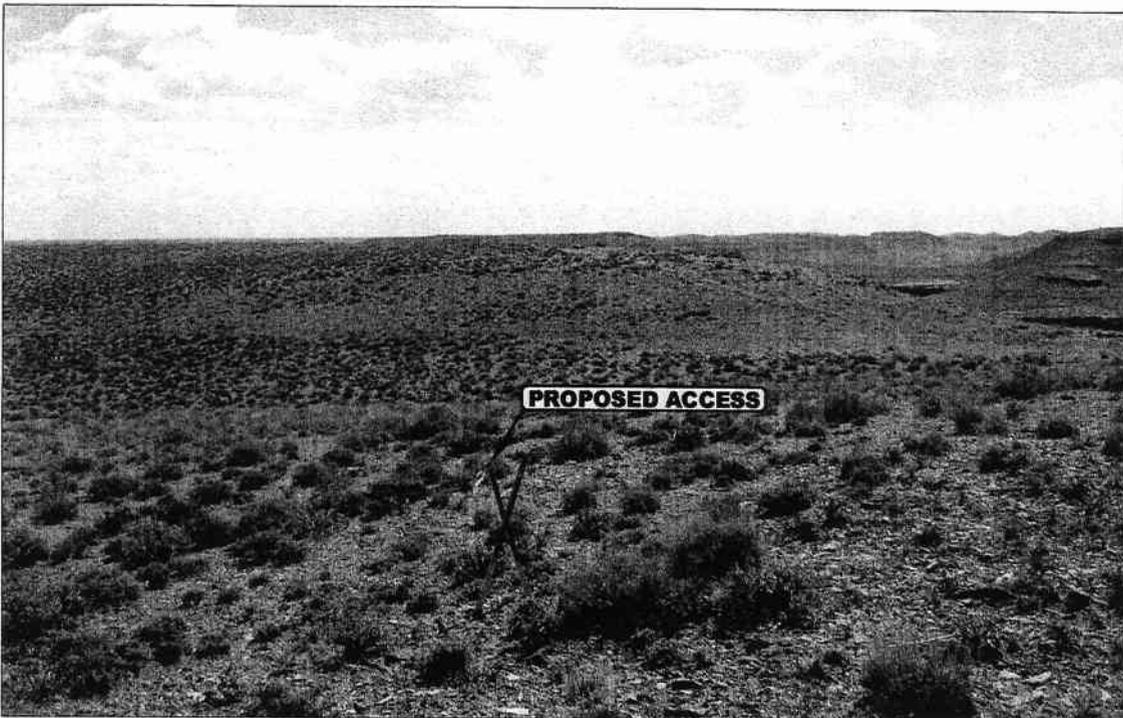
**UINTAH ENGINEERING & LAND SURVEYING**  
85 So. 200 East \* Vernal, Utah 84078 \* (435) 789-1017

**XTO ENERGY, INC.**  
**WHB #3-5H & #6-5H**  
**LOCATED IN UINTAH COUNTY, UTAH**  
**SECTION 5, T11S, R20E, S.L.B.&M.**



**PHOTO: VIEW FROM CORNER #5 TO LOCATION STATKES**

**CAMERA ANGLE: NORTHWESTERLY**



**PHOTO: VIEW FROM BEGINNING OF PROPOSED ACCESS**

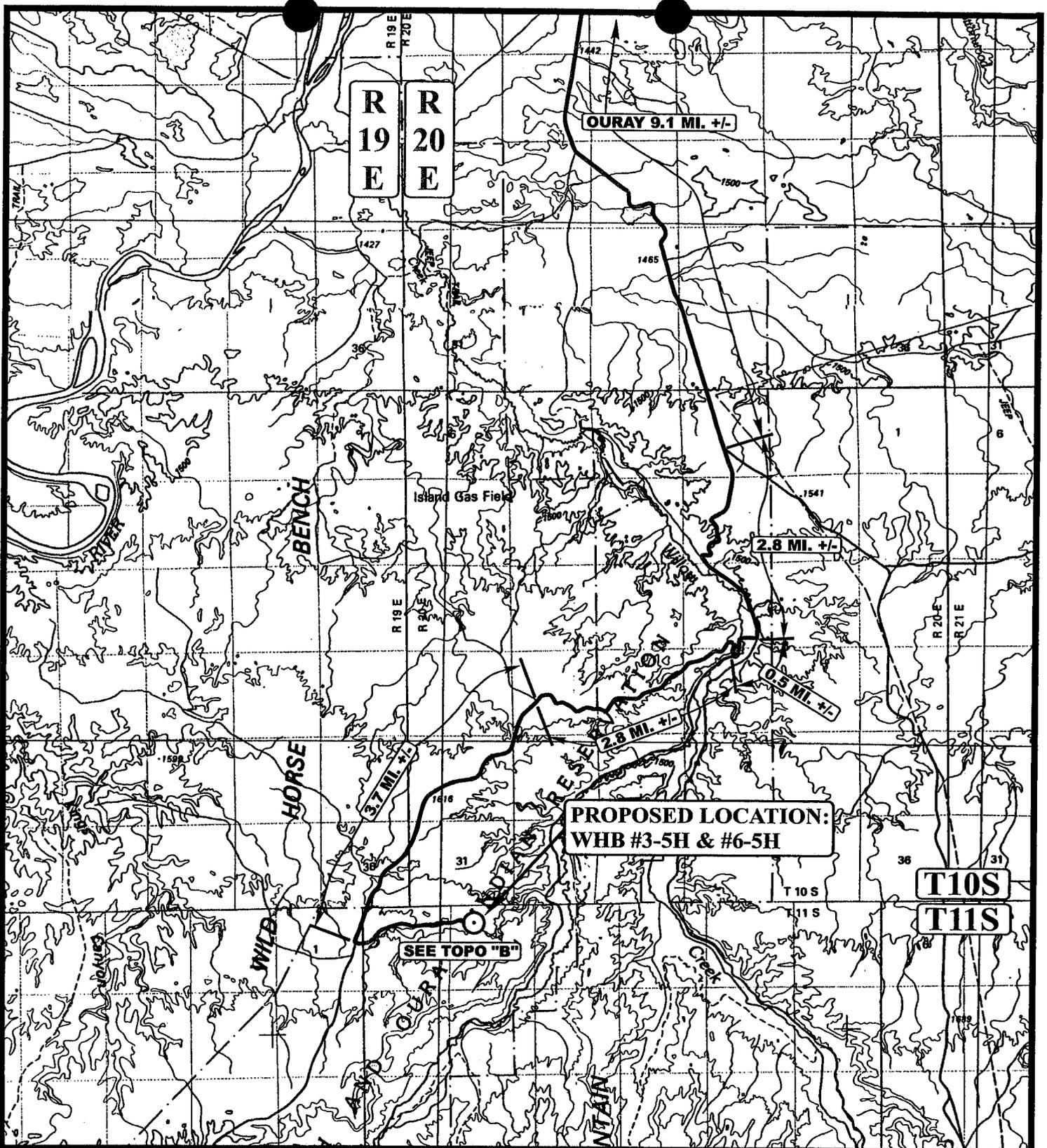
**CAMERA ANGLE: EASTERLY**



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

LOCATION PHOTOS	04	04	07	PHOTO
	MONTH	DAY	YEAR	
TAKEN BY: B.B.	DRAWN BY: L.K.	REV: 11-27-07 C.C.		

- Since 1964 -



**PROPOSED LOCATION:  
WHB #3-5H & #6-5H**

SEE TOPO "B"

**T10S  
T11S**

**LEGEND:**

○ PROPOSED LOCATION

**XTO ENERGY, INC.**

**WHB #3-5H & #6-5H  
SECTION 5, T11S, R20E, S.L.B.&M.  
LOT 3**



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

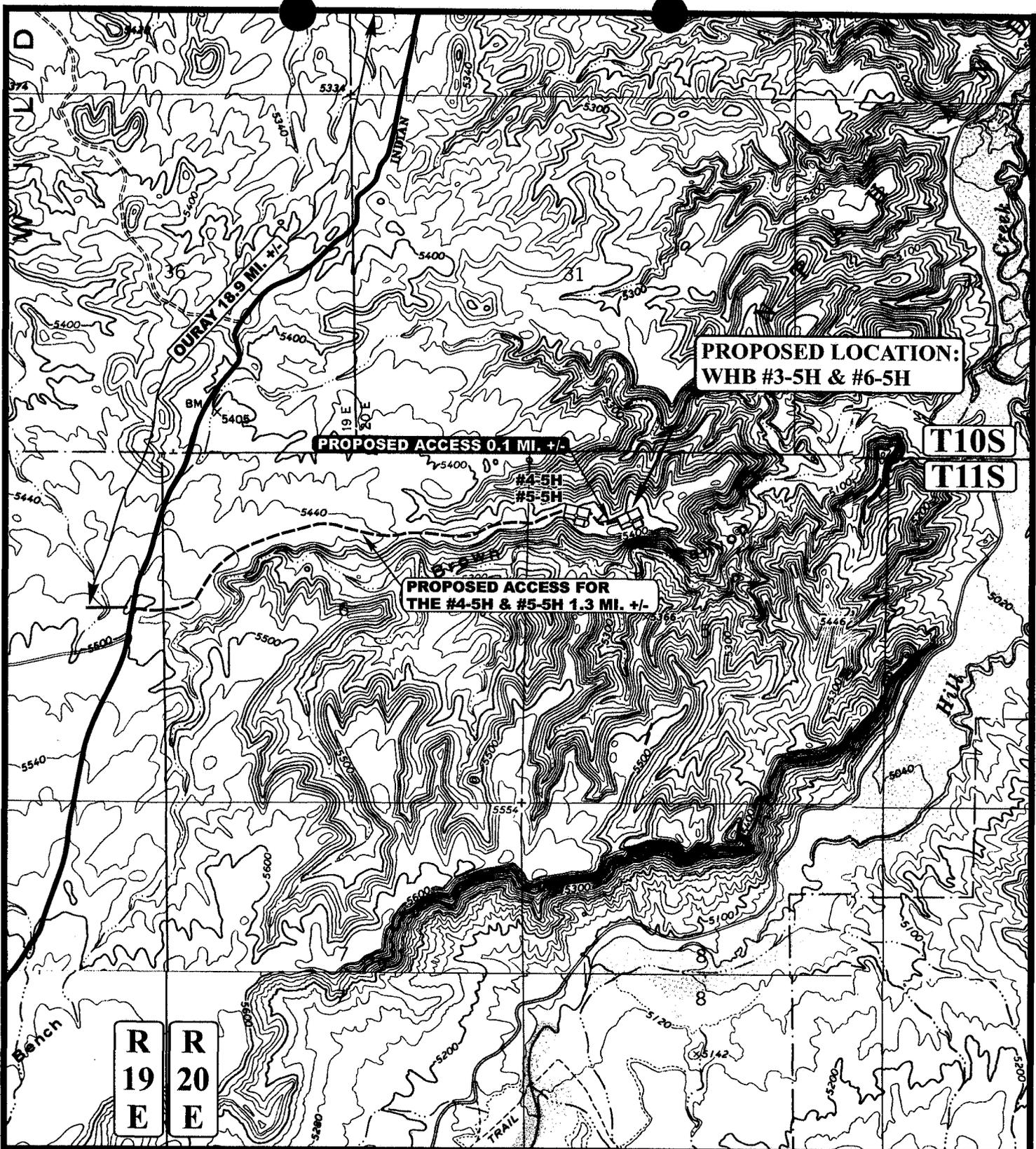


**TOPOGRAPHIC MAP**

**04 04 07**  
MONTH DAY YEAR

SCALE: 1:100,000 | DRAWN BY: L.K. | REV: 11-27-07 C.C.





**PROPOSED LOCATION:  
WHB #3-5H & #6-5H**

**PROPOSED ACCESS 0.1 MI. +/-**

**T10S  
T11S**

**PROPOSED ACCESS FOR  
THE #4-5H & #5-5H 1.3 MI. +/-**

**R  
19  
E**   **R  
20  
E**

**LEGEND:**

- EXISTING ROAD
- - - - - PROPOSED ACCESS ROAD

**XTO ENERGY, INC.**

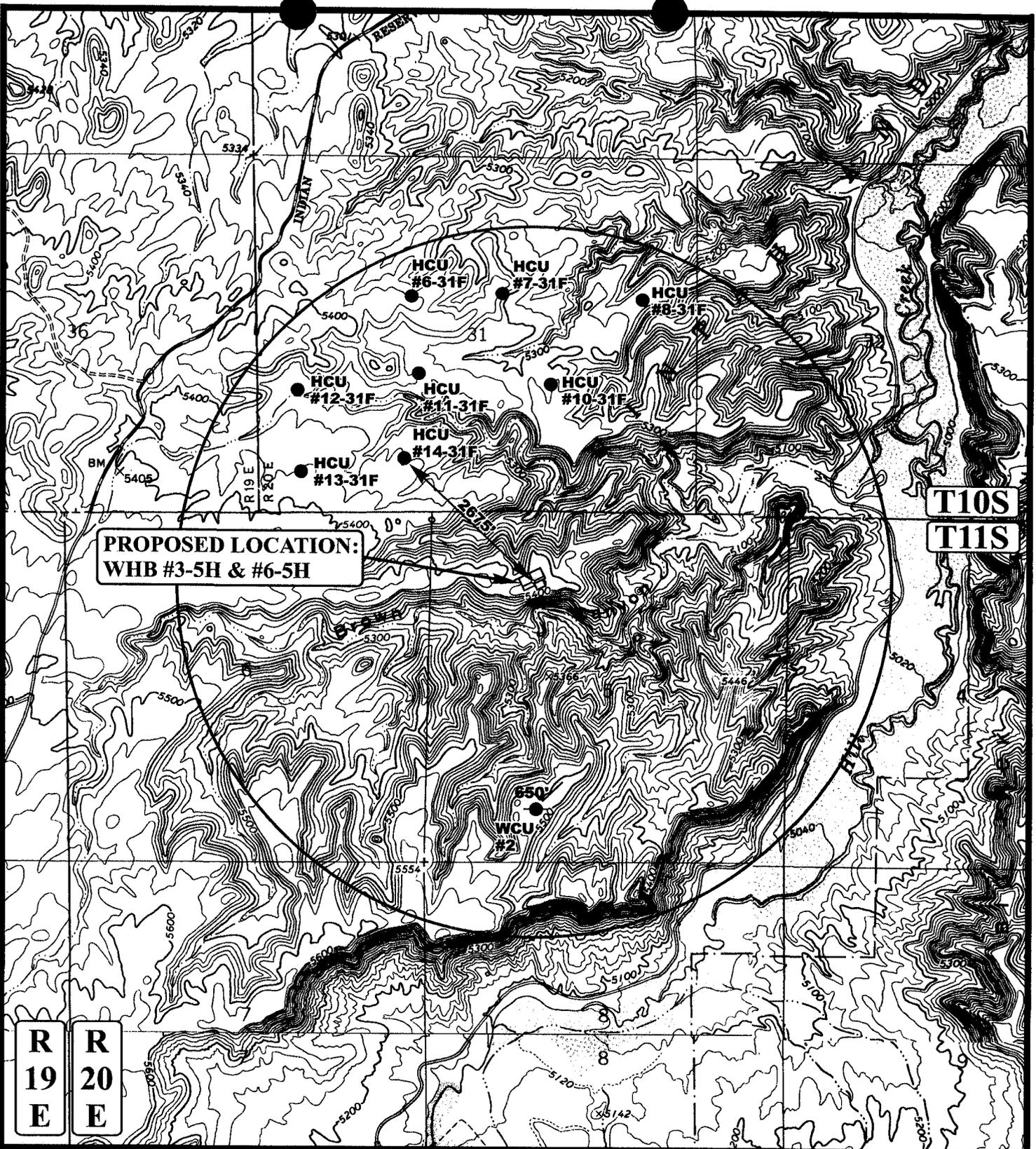
**WHB #3-5H & #6-5H  
SECTION 5, T11S, R20E, S.L.B.&M.  
LOT 3**



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

**TOPOGRAPHIC** 04 | 04 | 07  
**MAP** MONTH | DAY | YEAR  
SCALE: 1" = 2000' DRAWN BY: L.K. REV: 11-27-07 C.C.





**PROPOSED LOCATION:  
WHB #3-5H & #6-5H**

**R  
19  
E**   **R  
20  
E**

**T10S  
T11S**

**LEGEND:**

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

**XTO ENERGY, INC.**

**WHB #3-5H & #6-5H  
SECTION 5, T11S, R20E, S.L.B.&M.  
LOT 3**

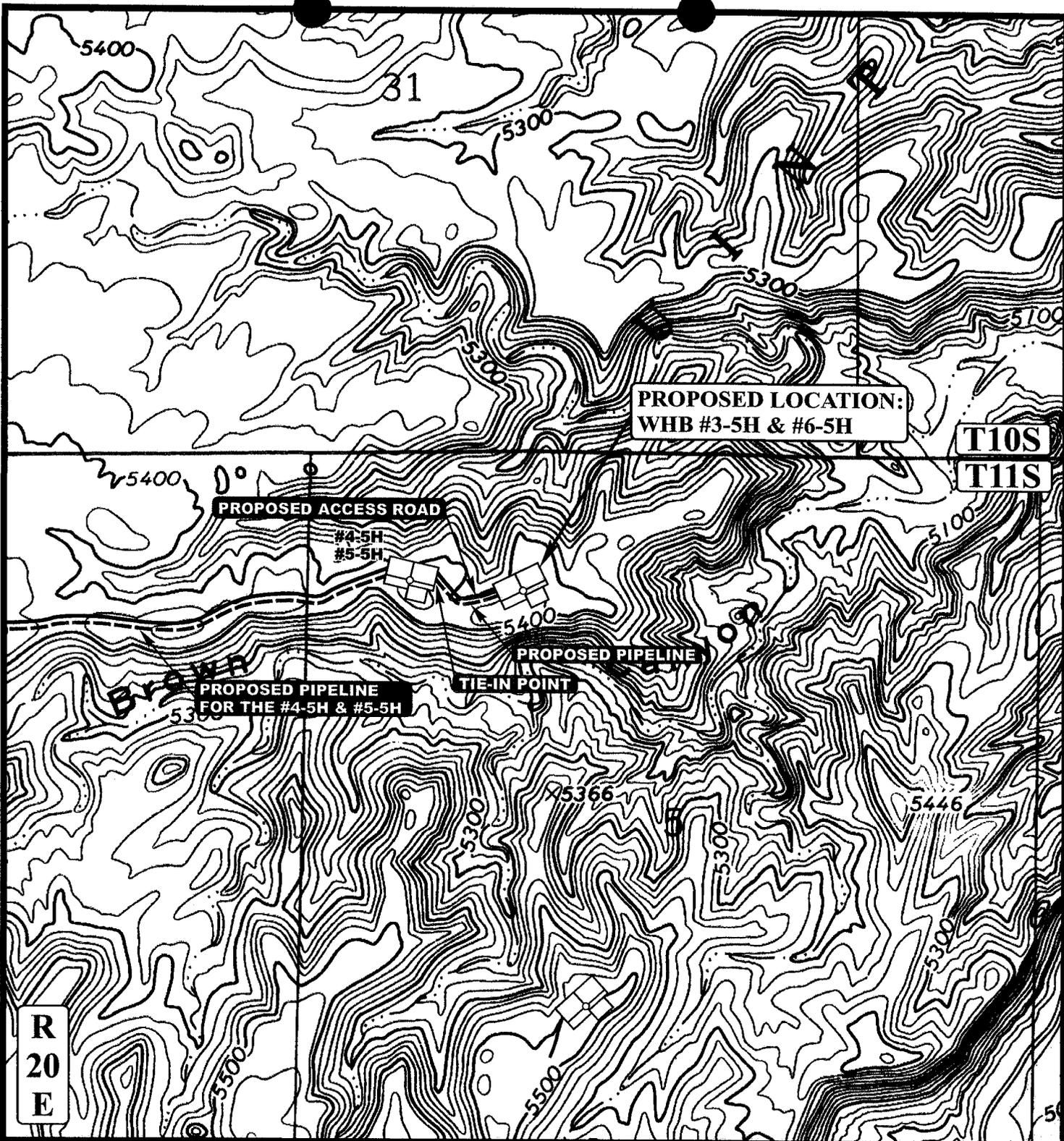


**Uintah Engineering & Land Surveying**  
85 South 200 East Vernal, Utah 84078  
(435) 789-1017 \* FAX (435) 789-1813



**TOPOGRAPHIC MAP**   **04 04 07**  
MONTH   DAY   YEAR  
SCALE: 1" = 2000'   DRAWN BY: L.K.   REV: 11-27-07 C.C.





APPROXIMATE TOTAL PIPELINE DISTANCE = 560' +/-

**LEGEND:**

-  PROPOSED ACCESS ROAD
-  EXISTING PIPELINE
-  PROPOSED PIPELINE
-  PROPOSED PIPELINE (SERVICING OTHER WELLS)



**XTO ENERGY, INC.**

WHB #3-5H & #6-5H  
SECTION 5, T11S, R20E, S.L.B.&M.  
LOT 3



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

TOPOGRAPHIC MAP 04 04 07  
MONTH DAY YEAR

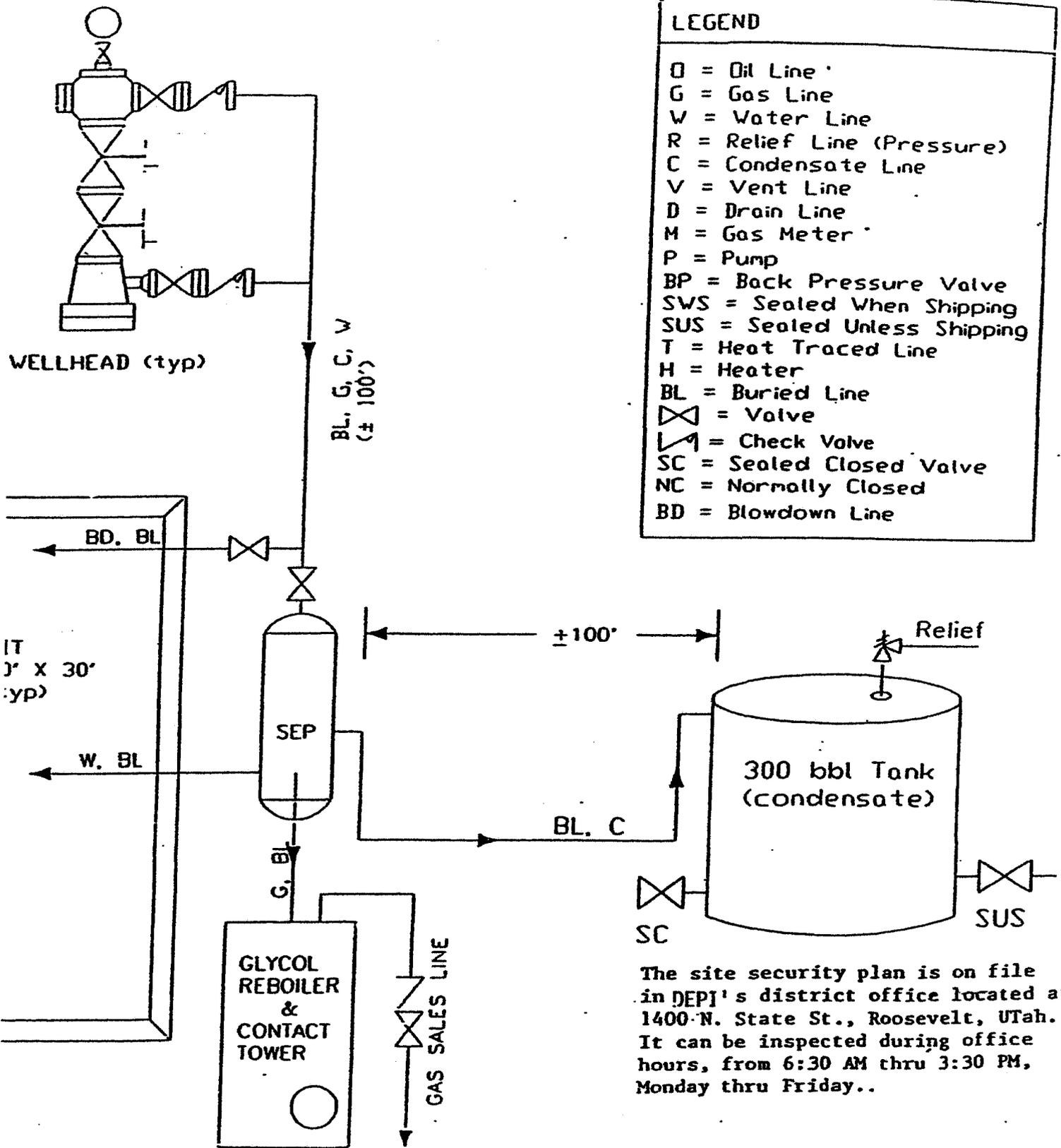
SCALE: 1" = 1000' DRAWN BY: L.K. REV: 11-27-07 C.C.



XTO ENERGY, INC.  
WHB #3-5H & #6-5H  
SECTION 5, 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, THEN SOUTHEASTERLY DIRECTION APPROXIMATELY 9.1 MILES ON THE SEEP RIDGE ROAD TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTH; TURN RIGHT AND PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 2.8 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE WEST; TURN RIGHT AND PROCEED IN A WESTERLY, THEN SOUTHWESTERLY DIRECTION APPROXIMATELY 0.5 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTH; TURN RIGHT AND PROCEED IN A NORTHERLY, THEN SOUTHWESTERLY DIRECTION APPROXIMATELY 2.8 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTHWEST; PROCEED IN A SOUTHWESTERLY DIRECTION APPROXIMATELY 3.7 MILES TO THE PROPOSED #4-5 - #5-5H AND THE BEGINNING OF THE PROPOSED ACCESS FOR THE #4-5H & #5-5H TO THE EAST; FOLLOW ROAD FLAGS IN AN EASTERLY, THEN NORTHEASTERLY, THEN EASTERLY DIRECTION APPROXIMATELY 1.3 MILES TO THE BEGINNING OF THE PROPOSED ACCESS TO THE SOUTHEAST; FOLLOW ROAD FLAGS IN A SOUTHEASTERLY, THEN NORTHEASTERLY DIRECTION APPROXIMATELY 0.1 MILES TO THE PROPOSED LOCATION.

TOTAL DISTANCE FROM VERNAL, UTAH TO THE PROPOSED WELL LOCATION IS APPROXIMATELY 51.3 MILES.



**LEGEND**

- O = Oil Line
- G = Gas Line
- W = Water Line
- R = Relief Line (Pressure)
- C = Condensate Line
- V = Vent Line
- D = Drain Line
- M = Gas Meter
- P = Pump
- BP = Back Pressure Valve
- SWS = Sealed When Shipping
- SUS = Sealed Unless Shipping
- T = Heat Traced Line
- H = Heater
- BL = Buried Line
- ⊗ = Valve
- ↗ = Check Valve
- SC = Sealed Closed Valve
- NC = Normally Closed
- BD = Blowdown Line

The site security plan is on file in DEPJ'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..

**WORKSHEET  
APPLICATION FOR PERMIT TO DRILL**

APD RECEIVED: 11/28/2007

API NO. ASSIGNED: 43-047-39850
--------------------------------

WELL NAME: WHB 6-5H  
 OPERATOR: XTO ENERGY INC ( N2615 )  
 CONTACT: DON HAMILTON

PHONE NUMBER: 435-722-4521

PROPOSED LOCATION:

INSPECT LOCATN BY: / /		
Tech Review	Initials	Date
Engineering		
Geology		
Surface		

*SEW*

NENW 05 110S 200E  
 SURFACE: 1046 FNL 1527 FWL  
 BOTTOM: 1950 FNL 1950 FWL  
 COUNTY: UINTAH  
 LATITUDE: 39.89356 LONGITUDE: -109.7058  
 UTM SURF EASTINGS: 610653 NORTHINGS: 4416535  
 FIELD NAME: UNDESIGNATED ( 2 )

LEASE TYPE: 1 - Federal  
 LEASE NUMBER: UTU-39223  
 SURFACE OWNER: 2 - Indian

PROPOSED FORMATION: MVRD  
 COALBED METHANE WELL? NO

RECEIVED AND/OR REVIEWED:

- Plat
- Bond: Fed[1] Ind[] Sta[] Fee[]  
(No. UTB-000138 )
- Potash (Y/N)
- Oil Shale 190-5 (B) or 190-3 or 190-13
- Water Permit  
(No. 43-10447 )
- RDCC Review (Y/N)  
(Date: \_\_\_\_\_ )
- Fee Surf Agreement (Y/N)
- Intent to Commingle (Y/N)

LOCATION AND SITING:

- R649-2-3.
- Unit: \_\_\_\_\_
- 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: \_\_\_\_\_

STIPULATIONS: \_\_\_\_\_

*1. Federal Approval*  
*2. Spacing Slip*

# NATURAL BUTTES FIELD

HCU 16-31F  
HCU 16-31F  
HCU 12-32F  
HCU 13-32F

HCU 14-31F

HCU 15-31F

HCU 15-32F  
HCU 14-32F

BHL 15-31F

BHL 16-31F

T10S R20E

T11S R20E

WHB 5-5H  
WHB 4-5H

BHL 3-5H

WHB 3-5H  
WHB 6-5H

BHL 6-5H

BHL 5-5H

WHB 12-5H

BHL 11-5H

WHB 11-5H  
WHB 15-5H

WILLOW CREEK UNIT 2

BHL 15-5H

WHB 13-5H

WHB 4-8H

LITTLE CANYON UNIT

LCU 8-8H

LCU 5-9H

LCU 6-9H

OPERATOR: XTO ENERGY INC (N2615)

SEC: 5 T.11S R. 20E

FIELD: UNDESIGNATED (002)

COUNTY: UINTAH

SPACING: R649-3-11 / DIRECTIONAL DRILLING

**Field Status**  
 [ ] ABANDONED  
 [ ] ACTIVE  
 [ ] COMBINED  
 [ ] INACTIVE  
 [ ] PROPOSED  
 [ ] STORAGE  
 [ ] TERMINATED

**Unit Status**  
 [ ] EXPLORATORY  
 [ ] GAS STORAGE  
 [ ] NF PP OIL  
 [ ] NF SECONDARY  
 [ ] PENDING  
 [ ] PI OIL  
 [ ] PP GAS  
 [ ] PP GEOTHERML  
 [ ] PP OIL  
 [ ] SECONDARY  
 [ ] TERMINATED

**Wells Status**

- [ ] 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
- [ ] DRILLING



OIL, GAS & MINING



PREPARED BY: DIANA MASON  
DATE: 30-NOVEMBER-2007



JON M. HUNTSMAN, JR.  
Governor

GARY R. HERBERT  
Lieutenant Governor

**State of Utah**  
DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER  
Executive Director

**Division of Oil Gas and Mining**

JOHN R. BAZA  
Division Director

December 3, 2007

XTO Energy, Inc.  
P O Box 1360 978 North Crescent  
Roosevelt, UT 84066

Re: WHB 6-5H Well, Surface Location 1046' FNL, 1527' FWL, NE NW, Sec. 5, T. 11 South, R. 20 East, Bottom Location 1950' FNL, 1950' FWL, SE NW, Sec. 5, 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.

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 43-047-39850.

Sincerely,

Gil Hunt  
Associate Director

pab  
Enclosures

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

Operator: XTO Energy, Inc.  
Well Name & Number WHB 6-5H  
API Number: 43-047-39850  
Lease: UTU-39223

Surface Location: NE NW      Sec. 5      T. 11 South      R. 20 East  
Bottom Location: SE NW      Sec. 5      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

Notify the Division within 24 hours of spudding the well.

- Contact Carol Daniels at (801) 538-5284

Notify the Division prior to commencing operations to plug and abandon the well.

- Contact Dustin Doucet at (801) 538-5281 (801) 733-0983 home

#### 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. State approval of this well does not supersede the required federal approval, which must be obtained prior to drilling.
5. 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.
6. 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.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

1a. Type of work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER		5. Lease Serial No. <b>UTU-39223</b>
1b. Type of Well: <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other <input type="checkbox"/> Single Zone <input checked="" type="checkbox"/> Multiple Zone		6. If Indian, Allottee or Tribe Name <b>Ute Indian Tribe</b>
2. Name of Operator <b>XTO Energy, Inc.</b>		7. If Unit or CA Agreement, Name and No. N/A
3a. Address <b>PO Box 1360; 978 North Crescent Roosevelt, UT 84066</b>		8. Lease Name and Well No. <b>WHB 6-5H</b>
3b. Phone No. (include area code) <b>435-722-4521</b>		9. API Well No. <b>43 047 39850</b>
4. Location of Well (Report location clearly and in accordance with any State requirements.)* At surface <b>1,046' FNL &amp; 1,527' FWL, Lot 3 (NW/4 NW/4),</b> At proposed prod. zone <b>1,950' FNL &amp; 1,950' FWL, SE/4 NW/4,</b>		10. Field and Pool, or Exploratory <b>undesignated</b>
14. Distance in miles and direction from nearest town or post office* <b>13.53 miles south of Ouray, Utah</b>		11. Sec., T. R. M. or Blk. and Survey or Area <b>Section 5, T11S, R20E, SLB&amp;M</b>
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) <b>1,046'</b>	16. No. of acres in lease <b>715.864 acres</b>	12. County or Parish <b>Uintah</b>
17. Spacing Unit dedicated to this well <b>40 acres</b>	18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. <b>20'</b>	13. State <b>UT</b>
19. Proposed Depth <b>9,310' MD (9,149' TVD)</b>	20. BLM/BIA Bond No. on file <b>UTB-000138 / 104312 789</b>	
21. Elevations (Show whether DF, KDB, RT, GL, etc.) <b>5,421' GR</b>	22. Approximate date work will start* <b>01/15/2008</b>	23. Estimated duration <b>14 days</b>

24. Attachments

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

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

25. Signature <b>Don Hamilton</b>	Name (Printed/Typed) <b>Don Hamilton</b>	Date <b>11/26/2007</b>
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Title **Agent for XTO Energy, Inc.**

Approved by (Signature) <b>[Signature]</b>	Name (Printed/Typed) <b>JERRY KENCZKA</b>	Date <b>2-7-2008</b>
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Title **Assistant Field Manager**  
**Lands & Mineral Resources**  
Office **VERNAL FIELD OFFICE**

Application approval 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.  
Conditions of approval, if any, are attached.

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

\*(Instructions on page 2)

NOTICE OF APPROVAL

CONDITIONS OF APPROVAL ATTACHED

RECEIVED

FEB 11 2008

DIV. OF OIL, GAS & MINING

NOS: 5/10/2007

07PP2027A



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

170 South 500 East      VERNAL, UT 84078      (435) 781-4400



**CONDITIONS OF APPROVAL FOR APPLICATION FOR PERMIT TO DRILL**

**Company:** XTO Energy, Inc.  
**Well No:** WHB 6-5H  
**API No:** 43-047-39850

**Location:** Lot 3, Sec 5, T11S, R20E  
**Lease No:** UTU-39223  
**Agreement:** N/A

Title	Name	Office Phone Number	Cell Phone Number
Petroleum Engineer:	Matt Baker	(435) 781-4490	(435) 828-4470
Petroleum Engineer:	Michael Lee	(435) 781-4432	(435) 828-7875
Petroleum Engineer:	James Ashley	(435) 781-4470	(435) 828-7874
Petroleum Engineer:	Ryan Angus	(435) 781-4430	(435) 828-7368
Supervisory Petroleum Technician:	Jamie Sparger	(435) 781-4502	(435) 828-3913
NRS/Enviro Scientist:	Karl Wright	(435) 781-4484	(435) 828-7381
NRS/Enviro Scientist:	Holly Villa	(435) 781-4404	
NRS/Enviro Scientist:		(435) 781-4476	
NRS/Enviro Scientist:	Chuck MacDonald	(435) 781-4441	(435) 828-7481
NRS/Enviro Scientist:	Michael Cutler	(435) 781-3401	(435) 828-3546
NRS/Enviro Scientist:	Anna Figueroa	(435) 781-3407	(435) 828-3548
NRS/Enviro Scientist:	Verlyn Pindell	(435) 781-3402	(435) 828-3547
NRS/Enviro Scientist:	Darren Williams	(435) 781-4447	
NRS/Enviro Scientist:	Nathan Packer	(435) 781-3405	(435) 828-3545

Fax: (435) 781-3425

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

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

**NOTIFICATION REQUIREMENTS**

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

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

### General Surface COAs

- If there is an active Gilsonite mining operation within 2 miles of the well location, operator shall notify the Gilsonite operator at least 48 hours prior to any blasting during construction.
- If paleontological materials are uncovered during construction, the operator is to immediately stop work and contact the Authorized Officer AO. A report will be prepared by a BLM permitted paleontologist and submitted to the AO at the completion of surface disturbing activities.

### Specific Surface COAs

- A 60 foot corridor right-of-way shall be approved. Upon completion of each pipeline in corridor, they shall be identified and filed with the Ute Tribe.
- A qualified Archaeologist accompanied by a Tribal Technician will monitor trenching construction of pipeline.
- The Ute Tribe Energy & Minerals Department is to be notified, in writing 48 hours prior to construction of pipeline.
- Construction Notice shall be given to the department on the Ute Tribe workdays, which are Monday through Thursday. The Company understands that they may be responsible for costs incurred by the Ute Tribe after hours.
- The Company shall inform contractors to maintain construction of pipelines within the approved ROWs.
- The Company shall assure the Ute Tribe that "ALL CONTRACTORS, INCLUDING SUB-CONTRACTORS, LEASING CONTRACTORS, AND ETC." have acquired a current and valid Ute Tribal Business License and have "Access Permits" prior to construction, and will have these permits in all vehicles at all times.
- You are hereby notified that working under the "umbrella" of a company does not allow you to be in the field, and can be subject to those fines of the Ute Tribe Severance Tax Ordinance.
- Any deviation of submitted APDs and ROW applications the Companies will notify the Ute Tribe and BIA in writing and will receive written authorization of any such change with appropriate authorization.
- The Company will implement "Safety and Emergency Plan." The Company's safety director will ensure its compliance.
- All Company employees and/or authorized personnel (sub-contractors) in the field will have approved applicable APDs and/or ROW permits/authorizations on their person(s) during all phases of construction.

- All vehicular traffic, personnel movement, construction/restoration operations should be confined to the area examined and approved, and to the existing roadways and/or evaluated access routes.
- All personnel should refrain from collecting artifacts, any paleontological fossils, and from disturbing any significant cultural resources in the area.
- The personnel from the Ute Tribe Energy & Minerals Department should be notified should cultural remains from subsurface deposits be exposed or identified during construction. All construction will cease.
- All mitigative stipulations contained in the Bureau of Indian Affairs Site Specific Environmental Assessment (EA) will be strictly adhered.
- Upon completion of Application for Corridor Right-Way, the company will notify the Ute Tribe Energy & Minerals Department, so that a Tribal Technician can verify Affidavit of Completion.
- Paint tanks Carlsbad Canyon
- For any other additional stipulations, see concurrence letter.

## **DOWNHOLE CONDITIONS OF APPROVAL**

### **SITE SPECIFIC DOWNHOLE CONDITIONS OF APPROVAL**

- 2M BOPE shall be installed and tested before drilling out the 13 3/8" inch casing shoe.
- The 9 5/8" intermediate casing shall be cemented to surface, top out if necessary.
- The production casing cement shall extend a minimum of 200 feet above the 9 5/8" intermediate casing shoe.
- Logging program: Gamma Ray shall be run from TD to surface.

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

### **DRILLING/COMPLETION/PRODUCING OPERATING STANDARDS**

- The spud date and time shall be reported orally to Vernal Field Office within 24 hours of spudding.
- Notify Vernal Field Office Supervisory Petroleum Engineering Technician at least 24 hours in advance of casing cementing operations and BOPE & casing pressure tests.
- Blowout prevention equipment BOPE shall remain in use until the well is completed or abandoned. Closing unit controls shall remain unobstructed and readily accessible at all times. Choke manifolds shall be located outside of the rig substructure.
- All BOPE components shall be inspected daily and those inspections shall be recorded in the daily drilling report. Components shall be operated and tested as required by Onshore Oil & Gas Order No. 2 to insure good mechanical working order. All BOPE pressure tests shall be performed by a test pump with a chart recorder and **NOT** by the rig pumps. Test shall be reported in the driller's log.
- BOP drills shall be initially conducted by each drilling crew within 24 hours of drilling out from under the surface casing and weekly thereafter as specified in Onshore Oil & Gas Order No. 2.
- Casing pressure tests are required before drilling out from under all casing strings set and cemented in place.
- No aggressive/fresh hard-banded drill pipe shall be used within casing.
- **Cement baskets shall not be run on surface casing.**
- The operator must report all shows of water or water-bearing sands to the BLM. If flowing water is encountered it must be sampled, analyzed, and a copy of the analyses submitted to the BLM Vernal Field Office.

- The operator must report encounters of all non oil & gas mineral resources such as Gilsonite, tar sands, oil shale, trona, etc. to the Vernal Field Office, in writing, within 5 working days of each encounter. Each report shall include the well name/number, well location, date and depth from KB or GL of encounter, vertical footage of the encounter and, the name of the person making the report along with a telephone number should the BLM need to obtain additional information.
- A complete set of angular deviation and directional surveys of a directional well will be submitted to the Vernal BLM office engineer within 30 days of the completion of the well.
- Chronologic drilling progress reports shall be filed directly with the BLM, Vernal Field Office on a weekly basis in sundry, letter format or e-mail to the Petroleum Engineers until the well is completed.
- A cement bond log CBL will be run from the production casing shoe to the top of cement and shall be utilized to determine the bond quality for the production casing. Submit a field copy of the CBL to this office.
- **Please submit an electronic copy of all other logs run on this well in LAS format to [UT\\_VN\\_Welllogs@BLM.gov](mailto:UT_VN_Welllogs@BLM.gov). This submission will supersede the requirement for submittal of paper logs to the BLM.**
- There shall be no deviation from the proposed drilling, completion, and/or workover program as approved. Safe drilling and operating practices must be observed. Any changes in operation must have prior approval from the BLM Vernal Field Office.

## OPERATING REQUIREMENT REMINDERS:

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

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

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

**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.

1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER _____		5. LEASE DESIGNATION AND SERIAL NUMBER: <b>UTU-39223</b>
2. NAME OF OPERATOR: <b>XTO ENERGY INC.</b>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: <b>UTE INDIAN TRIBE</b>
3. ADDRESS OF OPERATOR: <b>382 CR 3100</b> CITY <b>AZTEC</b> STATE <b>NM</b> ZIP <b>87410</b>		7. UNIT or CA AGREEMENT NAME:
4. LOCATION OF WELL FOOTAGES AT SURFACE: <b>SHL 1046' FNL &amp; 1527' FWL BHL 1950' FNL &amp; 1950' FWL</b> COUNTY: <b>UINTAH</b> QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: <b>NENW 5 11S 20E S</b> STATE: <b>UTAH</b>		8. WELL NAME and NUMBER: <b>WHB 6-5H</b>
PHONE NUMBER: <b>(505) 333-3100</b>		9. API NUMBER: <b>4304739850</b>
		10. FIELD AND POOL, OR WILDCAT: <b>UNDESIGNATED</b>

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

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

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

XTO Energy Inc. proposed to change the current drilling program per the attached documents.

COPY SENT TO OPERATOR

Date: 10.10.2008

Initials: KS

NAME (PLEASE PRINT) DOLENA JOHNSON

TITLE OFFICE CLERK

SIGNATURE *Dolena Johnson*

DATE 5/5/2008

(This space for State use only)

Accepted by the  
Utah Division of  
Oil, Gas and Mining

Date: 6/2/08  
By: *[Signature]* (See Instructions on Reverse Side)

Federal Approval Of This  
Action Is Necessary

**RECEIVED**  
**MAY 08 2008**

DIV. OF OIL, GAS & MINING

# XTO ENERGY INC.

WHB 6-5H

APD Data

May 2, 2008

Location: 1046' FNL & 1527' FWL, Sec. 5, T11S, R20E County: Uintah

State: Utah

Bottomhole Location: 1950' FNL & 1950' FWL, Sec. 5, T11S, R20E

GREATEST PROJECTED TD: 9290' MD/ 9149' TVD  
APPROX GR ELEV: 5421'

OBJECTIVE: Wasatch/Mesaverde  
Est KB ELEV: 5435' (14' AGL)

## 1. MUD PROGRAM:

INTERVAL	0' to 2267'	2267' to 9290'
HOLE SIZE	12.25"	7.875"
MUD TYPE	FW/Spud Mud	KCl Based LSND / Gel Chemical
WEIGHT	8.80	8.6-9.2
VISCOSITY	NC	30-60
WATER LOSS	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: 9.625" casing set at  $\pm 2267'$ MD/2200'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'-2267'	2267'	36#	J-55	ST&C	2020	3520	394	8.921	8.765	2.57	4.47	4.83

Production Casing: 5.5" casing set at  $\pm 9290'$ MD/9149'TVD in a 7.875" hole filled with 9.20 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'-9290'	9290'	17#	N-80	LT&C	6280	7740	348	4.892	4.767	1.81	2.24	2.20

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), 9" nominal, 2,000 psig WP (4,000 psig test) with 9-5/8" 8rnd thread on bottom (or slip-on, weld-on) and 11-3/4" 8rnd thread on top.
- B. Tubing Head: Larkin Fig 612 (or equivalent), 6.456" nominal, 5,000 psig WP, 5-1/2" 8rnd female thread on bottom (or slip-on, weld-on), 8-5/8" 8rnd thread on top.

#### 4. **CEMENT PROGRAM:**

A. **Surface:** 9.625", 36#, J-55 (or equiv.), ST&C casing to be set at  $\pm 2267'$  in 12.25" hole.

**LEAD:**

$\pm 224$  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<sup>3</sup>/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 1276.6 ft<sup>3</sup>. Slurry includes 75% excess of calculated open hole annular volume to 2267'.*

B. **Production:** 5.5", 17#, N-80 (or equiv.), LT&C casing to be set at  $\pm 9290'$  in 7.875" hole.

**LEAD:**

$\pm 304$  sx of Premium Plus V Blend. (Type V/Poz/Gel) or equivalent, with dispersant, fluid loss, accelerator, & LCM mixed at 11.6 ppg, 3.10 ft<sup>3</sup>/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, 1.49 cuft/sx, 9.09 gal/sx.

*Total estimated slurry volume for the 5.5" production casing is 1539.7 ft<sup>3</sup>. 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 casing string. The production casing is designed for 1767' 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 (9290') to the bottom of the surface csg. Run Neutron/Lithodensity/Pe/GR/Cal from TD (9290') to 2267'. Run Gamma Ray to surface.

#### 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	3760
Wasatch	Gas/Water	4250
Chapita Wells	Gas/Water	5050
Uteland Buttes	Gas/Water	6325
Mesaverde	Gas/Water	7120

B. 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.

C. There are no known potential sources of H<sub>2</sub>S.

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

8. **BOP EQUIPMENT:**

Surface will not utilize a bop stack.

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:**

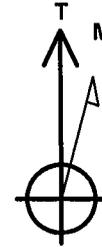
<u>Name</u>	<u>Title</u>	<u>Office Phone</u>	<u>Home Phone</u>
John Egelston	Drilling Engineer	505-333-3163	505-330-6902
Bobby Jackson	Drilling Superintendent	505-333-3224	505-486-4706
Glen Christiansen	Project Geologist	817-885-2800	



**Well Name: WHB 6-5H**

San Juan Basin  
Drilling Department

Calculation Method: Minimum Curvature  
Geodetic Datum: North American Datum 1983  
Lat: 40° 29' 36.881 N  
Long: 109° 42' 23.429 W



Azimuths to True North  
Magnetic North: 11.69°

Magnetic Field  
Strength: 52944.4nT  
Dip Angle: 66.33°  
Date: 11/7/2007  
Model: IGRF200510

**SECTION DETAILS**

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	360.0	0.00	0.00	360.0	0.0	0.0	0.00	0.00	0.0	
3	925.8	16.97	155.77	917.5	-75.9	34.1	3.00	155.77	83.2	
4	3774.8	16.97	155.77	3642.5	-834.3	375.5	0.00	0.00	914.9	
5	4340.6	0.00	0.00	4200.0	-910.2	409.6	3.00	180.00	998.1	WHB 6-5H -- Requested BHL @ 4200'
6	9290.6	0.00	0.00	9150.0	-910.2	409.6	0.00	0.00	998.1	

**ANNOTATIONS**

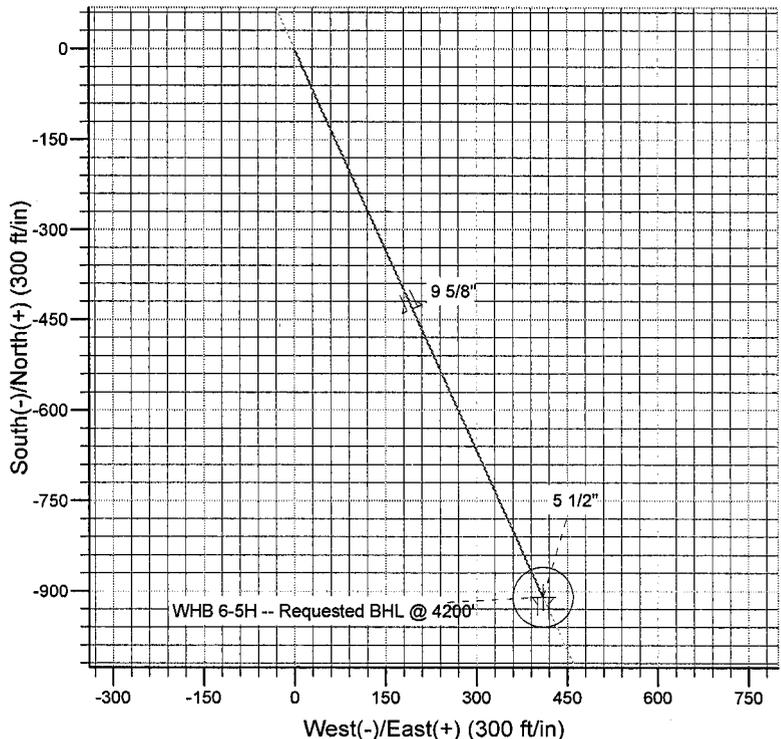
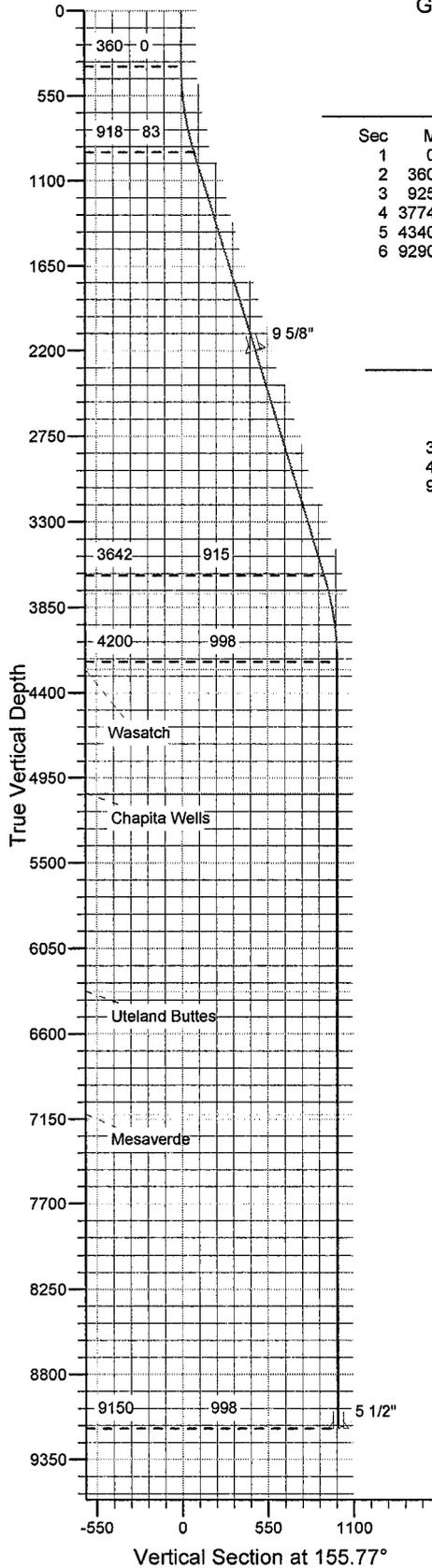
TVD	MD	Annotation
360.0	360.0	Start Build 3.00
917.5	925.8	Start 2849.0 hold at 925.8 MD
3642.5	3774.8	Start Drop -3.00
4200.0	4340.6	Start 4950.0 hold at 4340.6 MD
9150.0	9290.6	TD at 9290.6

**FORMATION TOP DETAILS**

TVDPPath	MDPath	Formation
3760.0	3896.6	Wasatch Tongue
4105.0	4245.5	Green River Tongue
4250.0	4390.6	Wasatch
5050.0	5190.6	Chapita Wells
6325.0	6465.6	Uteland Buttes
7120.0	7260.6	Mesaverde

**CASING DETAILS**

TVD	MD	Name	Size
2200.0	2266.6	9 5/8"	9-5/8
9149.4	9290.0	5 1/2"	5-1/2



# **XTO Energy**

**Natural Buttes Wells(NAD83)**

**WHB 6-5H**

**WHB 6-5H**

**WHB 6-5H**

**Plan: 2 String Plan**

## **Standard Planning Report**

**02 May, 2008**

**XTO Energy, Inc.**  
Planning Report

**Database:** EDM 2003.14 Single User Db  
**Company:** XTO Energy  
**Project:** Natural Buttes Wells(NAD83)  
**Site:** WHB 6-5H  
**Well:** WHB 6-5H  
**Wellbore:** WHB 6-5H  
**Design:** 2 String Plan

**Local Co-ordinate Reference:** Well WHB 6-5H  
**TVD Reference:** Rig KB @ 5435.0ft (Frontier #6)  
**MD Reference:** Rig KB @ 5435.0ft (Frontier #6)  
**North Reference:** True  
**Survey Calculation Method:** Minimum Curvature

<b>Project</b>	Natural Buttes Wells(NAD83), Vernal, UT		
<b>Map System:</b>	US State Plane 1983	<b>System Datum:</b>	Mean Sea Level
<b>Geo Datum:</b>	North American Datum 1983		Using Well Reference Point
<b>Map Zone:</b>	Utah Northern Zone		

<b>Site</b>	WHB 6-5H, T11S, R20E				
<b>Site Position:</b>		<b>Northing:</b>	3,344,363.95 ft	<b>Latitude:</b>	40° 29' 36.881 N
<b>From:</b>	Lat/Long	<b>Easting:</b>	2,139,236.60 ft	<b>Longitude:</b>	109° 42' 23.429 W
<b>Position Uncertainty:</b>	0.0 ft	<b>Slot Radius:</b>	"	<b>Grid Convergence:</b>	1.18 °

<b>Well</b>	WHB 6-5H, S-Well to Wasatch/Mesaverde					
<b>Well Position</b>	<b>+N/-S</b>	0.0 ft	<b>Northing:</b>	3,344,363.95 ft	<b>Latitude:</b>	40° 29' 36.881 N
	<b>+E/-W</b>	0.0 ft	<b>Easting:</b>	2,139,236.60 ft	<b>Longitude:</b>	109° 42' 23.429 W
<b>Position Uncertainty</b>		0.0 ft	<b>Wellhead Elevation:</b>	5,421.0 ft	<b>Ground Level:</b>	5,421.0 ft

<b>Wellbore</b>	WHB 6-5H				
<b>Magnetics</b>	<b>Model Name</b>	<b>Sample Date</b>	<b>Declination</b> (°)	<b>Dip Angle</b> (°)	<b>Field Strength</b> (nT)
	IGRF200510	11/7/2007	11.69	66.33	52,944

<b>Design</b>	2 String Plan			
<b>Audit Notes:</b>				
<b>Version:</b>	<b>Phase:</b>	PROTOTYPE	<b>Tie On Depth:</b>	0.0
<b>Vertical Section:</b>	<b>Depth From (TVD)</b> (ft)	<b>+N/-S</b> (ft)	<b>+E/-W</b> (ft)	<b>Direction</b> (°)
	0.0	0.0	0.0	155.77

Plan Sections										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	TFO (°)	Target
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
360.0	0.00	0.00	360.0	0.0	0.0	0.00	0.00	0.00	0.00	
925.8	16.97	155.77	917.5	-75.9	34.1	3.00	3.00	0.00	155.77	
3,774.8	16.97	155.77	3,642.5	-834.3	375.5	0.00	0.00	0.00	0.00	
4,340.6	0.00	0.00	4,200.0	-910.2	409.6	3.00	-3.00	0.00	180.00	WHB 6-5H – Request
9,290.6	0.00	0.00	9,150.0	-910.2	409.6	0.00	0.00	0.00	0.00	

# XTO Energy, Inc.

## Planning Report

**Database:** EDM 2003.14 Single User Db  
**Company:** XTO Energy  
**Project:** Natural Buttes Wells(NAD83)  
**Site:** WHB 6-5H  
**Well:** WHB 6-5H  
**Wellbore:** WHB 6-5H  
**Design:** 2 String Plan

**Local Co-ordinate Reference:** Well WHB 6-5H  
**TVD Reference:** Rig KB @ 5435.0ft (Frontier #6)  
**MD Reference:** Rig KB @ 5435.0ft (Frontier #6)  
**North Reference:** True  
**Survey Calculation Method:** Minimum Curvature

### Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N-S (ft)	+E-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00	
100.0	0.00	0.00	100.0	0.0	0.0	0.0	0.00	0.00	0.00	
200.0	0.00	0.00	200.0	0.0	0.0	0.0	0.00	0.00	0.00	
300.0	0.00	0.00	300.0	0.0	0.0	0.0	0.00	0.00	0.00	
360.0	0.00	0.00	360.0	0.0	0.0	0.0	0.00	0.00	0.00	
400.0	1.20	155.77	400.0	-0.4	0.2	0.4	3.00	3.00	0.00	
500.0	4.20	155.77	499.9	-4.7	2.1	5.1	3.00	3.00	0.00	
600.0	7.20	155.77	599.4	-13.7	6.2	15.1	3.00	3.00	0.00	
700.0	10.20	155.77	698.2	-27.5	12.4	30.2	3.00	3.00	0.00	
800.0	13.20	155.77	796.1	-46.0	20.7	50.5	3.00	3.00	0.00	
900.0	16.20	155.77	892.8	-69.2	31.1	75.8	3.00	3.00	0.00	
925.8	16.97	155.77	917.5	-75.9	34.1	83.2	3.00	3.00	0.00	
1,000.0	16.97	155.77	988.5	-95.6	43.0	104.9	0.00	0.00	0.00	
1,100.0	16.97	155.77	1,084.2	-122.2	55.0	134.1	0.00	0.00	0.00	
1,200.0	16.97	155.77	1,179.8	-148.9	67.0	163.2	0.00	0.00	0.00	
1,300.0	16.97	155.77	1,275.5	-175.5	79.0	192.4	0.00	0.00	0.00	
1,400.0	16.97	155.77	1,371.1	-202.1	91.0	221.6	0.00	0.00	0.00	
1,500.0	16.97	155.77	1,466.7	-228.7	102.9	250.8	0.00	0.00	0.00	
1,600.0	16.97	155.77	1,562.4	-255.3	114.9	280.0	0.00	0.00	0.00	
1,700.0	16.97	155.77	1,658.0	-282.0	126.9	309.2	0.00	0.00	0.00	
1,800.0	16.97	155.77	1,753.7	-308.6	138.9	338.4	0.00	0.00	0.00	
1,900.0	16.97	155.77	1,849.3	-335.2	150.9	367.6	0.00	0.00	0.00	
2,000.0	16.97	155.77	1,945.0	-361.8	162.8	396.8	0.00	0.00	0.00	
2,100.0	16.97	155.77	2,040.6	-388.5	174.8	426.0	0.00	0.00	0.00	
2,200.0	16.97	155.77	2,136.3	-415.1	186.8	455.2	0.00	0.00	0.00	
2,266.6	16.97	155.77	2,200.0	-432.8	194.8	474.6	0.00	0.00	0.00	
<b>9 5/8"</b>										
2,300.0	16.97	155.77	2,231.9	-441.7	198.8	484.4	0.00	0.00	0.00	
2,400.0	16.97	155.77	2,327.5	-468.3	210.8	513.6	0.00	0.00	0.00	
2,500.0	16.97	155.77	2,423.2	-494.9	222.7	542.8	0.00	0.00	0.00	
2,600.0	16.97	155.77	2,518.8	-521.6	234.7	571.9	0.00	0.00	0.00	
2,700.0	16.97	155.77	2,614.5	-548.2	246.7	601.1	0.00	0.00	0.00	
2,800.0	16.97	155.77	2,710.1	-574.8	258.7	630.3	0.00	0.00	0.00	
2,900.0	16.97	155.77	2,805.8	-601.4	270.7	659.5	0.00	0.00	0.00	
3,000.0	16.97	155.77	2,901.4	-628.0	282.7	688.7	0.00	0.00	0.00	
3,100.0	16.97	155.77	2,997.1	-654.7	294.6	717.9	0.00	0.00	0.00	
3,200.0	16.97	155.77	3,092.7	-681.3	306.6	747.1	0.00	0.00	0.00	
3,300.0	16.97	155.77	3,188.3	-707.9	318.6	776.3	0.00	0.00	0.00	
3,400.0	16.97	155.77	3,284.0	-734.5	330.6	805.5	0.00	0.00	0.00	
3,500.0	16.97	155.77	3,379.6	-761.2	342.6	834.7	0.00	0.00	0.00	
3,600.0	16.97	155.77	3,475.3	-787.8	354.5	863.9	0.00	0.00	0.00	
3,700.0	16.97	155.77	3,570.9	-814.4	366.5	893.1	0.00	0.00	0.00	
3,774.8	16.97	155.77	3,642.5	-834.3	375.5	914.9	0.00	0.00	0.00	
3,800.0	16.22	155.77	3,666.6	-840.9	378.4	922.1	3.00	-3.00	0.00	
3,896.6	13.32	155.77	3,760.0	-863.3	388.5	946.7	3.00	-3.00	0.00	
<b>Wasatch Tongue</b>										
3,900.0	13.22	155.77	3,763.3	-864.0	388.9	947.5	3.00	-3.00	0.00	
4,000.0	10.22	155.77	3,861.2	-882.6	397.2	967.8	3.00	-3.00	0.00	
4,100.0	7.22	155.77	3,960.1	-896.4	403.4	983.0	3.00	-3.00	0.00	
4,140.2	6.01	155.77	4,000.0	-900.6	405.3	987.6	3.00	-3.00	0.00	
<b>WHB 6-5H -- Requested BHL</b>										
4,200.0	4.22	155.77	4,059.5	-905.5	407.5	992.9	3.00	-3.00	0.00	
4,245.5	2.85	155.77	4,105.0	-908.0	408.7	995.7	3.00	-3.00	0.00	

**XTO Energy, Inc.**  
Planning Report

**Database:** EDM 2003.14 Single User Db  
**Company:** XTO Energy  
**Project:** Natural Buttes Wells(NAD83)  
**Site:** WHB 6-5H  
**Well:** WHB 6-5H  
**Wellbore:** WHB 6-5H  
**Design:** 2 String Plan

**Local Co-ordinate Reference:** Well WHB 6-5H  
**TVD Reference:** Rig KB @ 5435.0ft (Frontier #6)  
**MD Reference:** Rig KB @ 5435.0ft (Frontier #6)  
**North Reference:** True  
**Survey Calculation Method:** Minimum Curvature

**Planned Survey**

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N-S (ft)	+E-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
<b>Green River Tongue</b>									
4,300.0	1.22	155.77	4,159.4	-909.8	409.4	997.7	3.00	-3.00	0.00
4,340.6	0.00	0.00	4,200.0	-910.2	409.6	998.1	3.00	-3.00	0.00
<b>WHB 6-5H -- Requested BHL @ 4200'</b>									
4,390.6	0.00	0.00	4,250.0	-910.2	409.6	998.1	0.00	0.00	0.00
<b>Wasatch</b>									
4,400.0	0.00	0.00	4,259.4	-910.2	409.6	998.1	0.00	0.00	0.00
4,500.0	0.00	0.00	4,359.4	-910.2	409.6	998.1	0.00	0.00	0.00
4,600.0	0.00	0.00	4,459.4	-910.2	409.6	998.1	0.00	0.00	0.00
4,700.0	0.00	0.00	4,559.4	-910.2	409.6	998.1	0.00	0.00	0.00
4,800.0	0.00	0.00	4,659.4	-910.2	409.6	998.1	0.00	0.00	0.00
4,900.0	0.00	0.00	4,759.4	-910.2	409.6	998.1	0.00	0.00	0.00
5,000.0	0.00	0.00	4,859.4	-910.2	409.6	998.1	0.00	0.00	0.00
5,100.0	0.00	0.00	4,959.4	-910.2	409.6	998.1	0.00	0.00	0.00
5,190.6	0.00	0.00	5,050.0	-910.2	409.6	998.1	0.00	0.00	0.00
<b>Chapita Wells</b>									
5,200.0	0.00	0.00	5,059.4	-910.2	409.6	998.1	0.00	0.00	0.00
5,300.0	0.00	0.00	5,159.4	-910.2	409.6	998.1	0.00	0.00	0.00
5,400.0	0.00	0.00	5,259.4	-910.2	409.6	998.1	0.00	0.00	0.00
5,500.0	0.00	0.00	5,359.4	-910.2	409.6	998.1	0.00	0.00	0.00
5,600.0	0.00	0.00	5,459.4	-910.2	409.6	998.1	0.00	0.00	0.00
5,700.0	0.00	0.00	5,559.4	-910.2	409.6	998.1	0.00	0.00	0.00
5,800.0	0.00	0.00	5,659.4	-910.2	409.6	998.1	0.00	0.00	0.00
5,900.0	0.00	0.00	5,759.4	-910.2	409.6	998.1	0.00	0.00	0.00
6,000.0	0.00	0.00	5,859.4	-910.2	409.6	998.1	0.00	0.00	0.00
6,100.0	0.00	0.00	5,959.4	-910.2	409.6	998.1	0.00	0.00	0.00
6,200.0	0.00	0.00	6,059.4	-910.2	409.6	998.1	0.00	0.00	0.00
6,300.0	0.00	0.00	6,159.4	-910.2	409.6	998.1	0.00	0.00	0.00
6,400.0	0.00	0.00	6,259.4	-910.2	409.6	998.1	0.00	0.00	0.00
6,465.6	0.00	0.00	6,325.0	-910.2	409.6	998.1	0.00	0.00	0.00
<b>Uteland Buttes</b>									
6,500.0	0.00	0.00	6,359.4	-910.2	409.6	998.1	0.00	0.00	0.00
6,600.0	0.00	0.00	6,459.4	-910.2	409.6	998.1	0.00	0.00	0.00
6,700.0	0.00	0.00	6,559.4	-910.2	409.6	998.1	0.00	0.00	0.00
6,800.0	0.00	0.00	6,659.4	-910.2	409.6	998.1	0.00	0.00	0.00
6,900.0	0.00	0.00	6,759.4	-910.2	409.6	998.1	0.00	0.00	0.00
7,000.0	0.00	0.00	6,859.4	-910.2	409.6	998.1	0.00	0.00	0.00
7,100.0	0.00	0.00	6,959.4	-910.2	409.6	998.1	0.00	0.00	0.00
7,200.0	0.00	0.00	7,059.4	-910.2	409.6	998.1	0.00	0.00	0.00
7,260.6	0.00	0.00	7,120.0	-910.2	409.6	998.1	0.00	0.00	0.00
<b>Mesaverde</b>									
7,300.0	0.00	0.00	7,159.4	-910.2	409.6	998.1	0.00	0.00	0.00
7,400.0	0.00	0.00	7,259.4	-910.2	409.6	998.1	0.00	0.00	0.00
7,500.0	0.00	0.00	7,359.4	-910.2	409.6	998.1	0.00	0.00	0.00
7,600.0	0.00	0.00	7,459.4	-910.2	409.6	998.1	0.00	0.00	0.00
7,700.0	0.00	0.00	7,559.4	-910.2	409.6	998.1	0.00	0.00	0.00
7,800.0	0.00	0.00	7,659.4	-910.2	409.6	998.1	0.00	0.00	0.00
7,900.0	0.00	0.00	7,759.4	-910.2	409.6	998.1	0.00	0.00	0.00
8,000.0	0.00	0.00	7,859.4	-910.2	409.6	998.1	0.00	0.00	0.00
8,100.0	0.00	0.00	7,959.4	-910.2	409.6	998.1	0.00	0.00	0.00
8,200.0	0.00	0.00	8,059.4	-910.2	409.6	998.1	0.00	0.00	0.00
8,300.0	0.00	0.00	8,159.4	-910.2	409.6	998.1	0.00	0.00	0.00

**XTO Energy, Inc.**  
Planning Report

<b>Database:</b>	EDM 2003.14 Single User Db	<b>Local Co-ordinate Reference:</b>	Well WHB 6-5H
<b>Company:</b>	XTO Energy	<b>TVD Reference:</b>	Rig KB @ 5435.0ft (Frontier #6)
<b>Project:</b>	Natural Buttes Wells(NAD83)	<b>MD Reference:</b>	Rig KB @ 5435.0ft (Frontier #6)
<b>Site:</b>	WHB 6-5H	<b>North Reference:</b>	True
<b>Well:</b>	WHB 6-5H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	WHB 6-5H		
<b>Design:</b>	2 String Plan		

Planned Survey										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N-S (ft)	+E-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	
8,400.0	0.00	0.00	8,259.4	-910.2	409.6	998.1	0.00	0.00	0.00	
8,500.0	0.00	0.00	8,359.4	-910.2	409.6	998.1	0.00	0.00	0.00	
8,600.0	0.00	0.00	8,459.4	-910.2	409.6	998.1	0.00	0.00	0.00	
8,700.0	0.00	0.00	8,559.4	-910.2	409.6	998.1	0.00	0.00	0.00	
8,800.0	0.00	0.00	8,659.4	-910.2	409.6	998.1	0.00	0.00	0.00	
8,900.0	0.00	0.00	8,759.4	-910.2	409.6	998.1	0.00	0.00	0.00	
9,000.0	0.00	0.00	8,859.4	-910.2	409.6	998.1	0.00	0.00	0.00	
9,100.0	0.00	0.00	8,959.4	-910.2	409.6	998.1	0.00	0.00	0.00	
9,200.0	0.00	0.00	9,059.4	-910.2	409.6	998.1	0.00	0.00	0.00	
9,290.0	0.00	0.00	9,149.4	-910.2	409.6	998.1	0.00	0.00	0.00	
5 1/2"										
9,290.6	0.00	0.00	9,150.0	-910.2	409.6	998.1	0.00	0.00	0.00	

Targets										
Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N-S (ft)	+E-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude	
WHB 6-5H -- Requested - hit/miss target - Shape - Circle (radius 50.0)	0.00	0.00	4,200.0	-910.2	409.6	3,343,462.43	2,139,664.92	40° 29' 27.887 N	109° 42' 18.127 W	
WHB 6-5H -- Requested - plan misses by 10.4ft at 4141.1ft MD (4000.9 TVD, -900.7 N, 405.4 E) - Circle (radius 50.0)	0.00	0.00	4,000.0	-910.1	409.6	3,343,462.46	2,139,664.90	40° 29' 27.888 N	109° 42' 18.128 W	

Casing Points						
Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (")	Hole Diameter (")		
2,266.6	2,200.0	9 5/8"	9-5/8	12-1/4		
9,290.0	9,149.4	5 1/2"	5-1/2	7-7/8		

Formations						
Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)	
3,896.6	3,760.0	Wasatch Tongue		0.00		
4,245.5	4,105.0	Green River Tongue		0.00		
4,390.6	4,250.0	Wasatch		0.00		
5,190.6	5,050.0	Chapita Wells		0.00		
6,465.6	6,325.0	Uteland Buttes		0.00		
7,260.6	7,120.0	Mesaverde		0.00		

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

FORM 9

<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>			5. LEASE DESIGNATION AND SERIAL NUMBER: <b>UTU-39223</b>
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.			6. IF INDIAN, ALLOTTEE OR TRIBE NAME: <b>Ute Indian Tribe</b>
			7. UNIT or CA AGREEMENT NAME: <b>Undesignated</b>
1. TYPE OF WELL <input type="checkbox"/> OIL WELL <input checked="" type="checkbox"/> GAS WELL    OTHER _____	8. WELL NAME and NUMBER: <b>WHB 6-5H</b>		9. API NUMBER: <b>4304739850</b>
2. NAME OF OPERATOR: <b>XTO Energy, Inc.</b>		10. FIELD AND POOL, OR WILDCAT: <b>Undesignated</b>	
3. ADDRESS OF OPERATOR: <b>P.O. Box 1360</b> CITY <b>Roosevelt</b> STATE <b>UT</b> ZIP <b>84066</b>		PHONE NUMBER: <b>(435) 722-4521</b>	
4. LOCATION OF WELL			
FOOTAGES AT SURFACE: <b>1,046' FNL &amp; 1,527' FWL</b>		COUNTY: <b>Uintah</b>	
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: <b>N<sup>E</sup>WNW 5 11S 20E S</b>		STATE: <b>UTAH</b>	

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

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

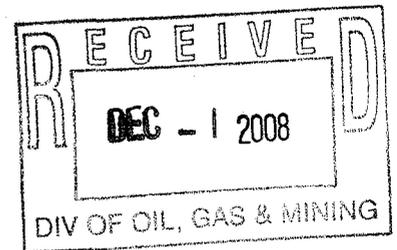
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

XTO Energy, Inc. hereby requests a one year extension of the state permit for the referenced well.

This is the first extension that has been requested.

Approved by the  
Utah Division of  
Oil, Gas and Mining

Date: 12-01-08  
By: [Signature]



NAME (PLEASE PRINT) <u>Kendell Johnson</u>	TITLE <u>Agent for XTO Energy, Inc.</u>
SIGNATURE <u>[Signature]</u>	DATE <u>11/14/2008</u>

(This space for State use only)

COPY SENT TO OPERATOR

Date: 12-4-2008  
Initials: KS



**Application for Permit to Drill  
Request for Permit Extension  
Validation**

(this form should accompany the Sundry Notice requesting permit extension)

**API:** 4304739850  
**Well Name:** WHB 6-5H  
**Location:** 1,046' FNL & 1,527' FWL, <sup>F</sup>NW NW Sec. 5, 11S-20E  
**Company Permit Issued to:** XTO Energy, Inc.  
**Date Original Permit Issued:** 12/3/2007

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

Kendell Johnson  
Signature

11/14/2008  
Date

Title: Kendell Johnson

Representing: XTO Energy, Inc.

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	<b>FORM 9</b>  <b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> UTU-39223
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b> UTE  <b>7. UNIT or CA AGREEMENT NAME:</b>
<b>1. TYPE OF WELL</b> Gas Well	<b>8. WELL NAME and NUMBER:</b> WHB 6-5H
<b>2. NAME OF OPERATOR:</b> XTO ENERGY INC	<b>9. API NUMBER:</b> 43047398500000
<b>3. ADDRESS OF OPERATOR:</b> 382 Road 3100 , Aztec, NM, 87410	<b>PHONE NUMBER:</b> 505 333-3159 Ext
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 1046 FNL 1527 FWL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NENW Section: 05 Township: 11.0S Range: 20.0E Meridian: S	<b>9. FIELD and POOL or WILDCAT:</b> UNDESIGNATED  <b>COUNTY:</b> UINTAH  <b>STATE:</b> UTAH

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

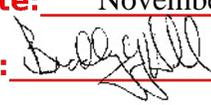
TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> <b>NOTICE OF INTENT</b> Approximate date work will start: 12/1/2010	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input type="checkbox"/> <b>SUBSEQUENT REPORT</b> Date of Work Completion:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> <b>SPUD REPORT</b> Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> <b>DRILLING REPORT</b> Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input checked="" type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: _____

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

XTo hereby requests a one year extension on the State Permit for the referenced well.

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

**Date:** November 30, 2009

**By:** 

<b>NAME (PLEASE PRINT)</b> Eden Fine	<b>PHONE NUMBER</b> 505 333-3664	<b>TITLE</b> Permitting Clerk
<b>SIGNATURE</b> N/A		<b>DATE</b> 11/30/2009



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

- State of Utah  
- Department of Natural Resources

Electronic Permitting System - Sundry Notices

**Request for Permit Extension Validation Well Number 43047398500000**

**API:** 43047398500000

**Well Name:** WHB 6-5H

**Location:** 1046 FNL 1527 FWL QTR NENW SEC 05 TWNP 110S RNG 200E MER S

**Company Permit Issued to:** XTO ENERGY INC

**Date Original Permit Issued:** 12/3/2007

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

- If located on private land, has the ownership changed, if so, has the surface agreement been updated?  Yes  No
  
- Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location?  Yes  No
  
- Has there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well?  Yes  No
  
- Have there been any changes to the access route including ownership, or rightof- way, which could affect the proposed location?  Yes  No
  
- Has the approved source of water for drilling changed?  Yes  No
  
- Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation?  Yes  No
  
- Is bonding still in place, which covers this proposed well?  Yes  No

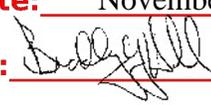
**Approved by the  
Utah Division of  
Oil, Gas and Mining**

**Signature:** Eden Fine

**Date:** 11/30/2009

**Title:** Permitting Clerk **Representing:** XTO ENERGY INC

**Date:** November 30, 2009

**By:** 

# United States Department of the Interior



## BUREAU OF LAND MANAGEMENT

Green River District-Vernal Field Office  
170 South 500 East  
Vernal, UT 84078

(435) 781-4400 Fax: (435) 781-4410

<http://www.blm.gov/ut/st/en/fo/vernal.html>



IN REPLY REFER TO:

3160

UTG011

March 18, 2010

Ken Secrest  
XTO Energy, Inc.  
PO Box 1360  
Roosevelt, UT 84066

Re: Notice of Expiration  
Well No. WHB 6-5H  
Lot 3, Sec. 5, T11S, R20E  
Uintah County, Utah  
Lease No. UTU-39223

Dear Ken:

The Application for Permit to Drill (APD) for the above-referenced well was approved on February 7, 2008. No extension of the original APD was requested. According to our records, no known activity has transpired at the approved location. In view of the foregoing, this office is notifying you that the approval of the referenced application has expired. If you intend to drill at this location in the future, a new Application for Permit to Drill must be submitted.

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

If you have any questions regarding this matter, please contact me at (435) 781-4455.

Sincerely,

*Cindy Severson*

Cindy Severson  
Land Law Examiner

cc: UDOGM

RECEIVED

APR 01 2010

DIV. OF OIL, GAS & MINES

43-047-39850

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	<b>FORM 9</b>  <b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> UTU-39223
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b> UTE  <b>7. UNIT or CA AGREEMENT NAME:</b>
<b>1. TYPE OF WELL</b> Gas Well	<b>8. WELL NAME and NUMBER:</b> WHB 6-5H
<b>2. NAME OF OPERATOR:</b> XTO ENERGY INC	<b>9. API NUMBER:</b> 43047398500000
<b>3. ADDRESS OF OPERATOR:</b> 382 Road 3100 , Aztec, NM, 87410	<b>PHONE NUMBER:</b> 505 333-3159 Ext
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 1046 FNL 1527 FWL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NENW Section: 05 Township: 11.0S Range: 20.0E Meridian: S	<b>9. FIELD and POOL or WILDCAT:</b> UNDESIGNATED  <b>COUNTY:</b> UINTAH  <b>STATE:</b> UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> <b>NOTICE OF INTENT</b> Approximate date work will start: 12/9/2011	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input type="checkbox"/> <b>SUBSEQUENT REPORT</b> Date of Work Completion:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> <b>SPUD REPORT</b> Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> <b>DRILLING REPORT</b> Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input checked="" type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input style="width: 100px;" type="text"/>

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

XTO Energy hereby requests a one (1) year extension of the State APD for the referenced well.

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

Date: 12/13/2010  
By: 

<b>NAME (PLEASE PRINT)</b> Krista Wilson	<b>PHONE NUMBER</b> 505 333-3647	<b>TITLE</b> Permitting Tech
<b>SIGNATURE</b> N/A		<b>DATE</b> 12/9/2010



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

- State of Utah  
- Department of Natural Resources

Electronic Permitting System - Sundry Notices

**Request for Permit Extension Validation Well Number 43047398500000**

**API:** 43047398500000

**Well Name:** WHB 6-5H

**Location:** 1046 FNL 1527 FWL QTR NENW SEC 05 TWNP 110S RNG 200E MER S

**Company Permit Issued to:** XTO ENERGY INC

**Date Original Permit Issued:** 12/3/2007

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

- If located on private land, has the ownership changed, if so, has the surface agreement been updated?  Yes  No
- Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location?  Yes  No
- Has there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well?  Yes  No
- Have there been any changes to the access route including ownership, or rightof- way, which could affect the proposed location?  Yes  No
- Has the approved source of water for drilling changed?  Yes  No
- Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation?  Yes  No
- Is bonding still in place, which covers this proposed well?  Yes  No

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

**Signature:** Krista Wilson

**Date:** 12/9/2010

**Title:** Permitting Tech **Representing:** XTO ENERGY INC

**Date:** 12/13/2010  
**By:**

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

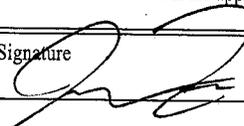
**APPLICATION FOR PERMIT TO DRILL OR REENTER**

1a. Type of work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER		5. Lease Serial No. UTU-39223
1b. Type of Well: <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other <input type="checkbox"/> Single Zone <input checked="" type="checkbox"/> Multiple Zone		6. If Indian, Allottee or Tribe Name Ute Indian Tribe
2. Name of Operator XTO Energy, Inc.		7. If Unit or CA Agreement, Name and No. N/A
3a. Address 382 Road 3100 Aztec, NM 87410	3b. Phone No. (include area code) 505-333-3100	8. Lease Name and Well No. WHB 6-5H
4. Location of Well (Report location clearly and in accordance with any State requirements.)* At surface 1,046 FNL & 1,527 FWL, Lots 3 (NE/4 NW/4) At proposed prod. zone 1,950 FNL & 1,950 FWL SE/4 NW/4		9. API Well No. 4304739850
14. Distance in miles and direction from nearest town or post office* 13.53 miles south of Ouray, UT		10. Field and Pool, or Exploratory
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) 1,046'	16. No. of acres in lease 715.864	11. Sec., T. R. M. or Blk. and Survey or Area Sec. 5, T11S, R20E, SLB&M
17. Spacing Unit dedicated to this well 40 acres	18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. 20'	12. County or Parish Uintah
19. Proposed Depth 9,310' MD (9,149' TVD)	20. BLM/BIA Bond No. on file UTB-000138/ 104312 789	13. State UT
21. Elevations (Show whether DF, KDB, RT, GL, etc.) 5,421' GR	22. Approximate date work will start* 01/15/2011	23. Estimated duration 14days

24. Attachments

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

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

25. Signature 	Name (Printed/Typed) Edén Fine	Date 08/26/2010
Title Permitting Clerk		

Approved by (Signature) 	Name (Printed/Typed) Jeanne Kewana	Date FEB 03 2011
Title	Office VERNAL FIELD OFFICE	

Application approval 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.  
Conditions of approval, if any, are attached.

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

(Continued on page 2)

\*(Instructions on page 2)

NOS <sup>and</sup> posted 9/1/10  
AFMSS#10RRH0492A

RECEIVED RECEIVED

AUG 30 2010

FEB 17 2011

DIV. OF OIL, GAS & MINING

BLM VERNAL, UTAH

CONDITIONS OF APPROVAL ATTACHED

NOTICE OF APPROVAL

UDOGM



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



**CONDITIONS OF APPROVAL FOR APPLICATION FOR PERMIT TO DRILL**

<b>Company:</b>	<b>XTO Energy, Inc.</b>	<b>Location:</b>	<b>Lot 3, Sec. 5, T11S, R20E</b>
<b>Well No:</b>	<b>WHB 6-5H</b>	<b>Lease No:</b>	<b>UTU-39223</b>
<b>API No:</b>	<b>43-047-39850</b>	<b>Agreement:</b>	<b>N/A</b>

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

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

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

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

**NOTIFICATION REQUIREMENTS**

Construction Activity (Notify Ute Tribe Energy & Minerals Dept. and BLM Environmental Scientist)	- The Ute Tribe Energy & Minerals Dept. and BLM Environmental Scientist shall be notified at least 48 hours in advance of any construction activity. The Ute Tribal office is open Monday through Thursday.
Construction Completion (Notify Ute Tribe Energy & Minerals Dept. and BLM Environmental Scientist)	- Upon completion of the pertinent APD/ROW construction, notify the Ute Tribe Energy & Minerals Dept. for a Tribal Technician to verify the Affidavit of Completion. Notify the BLM Environmental Scientist prior to moving on the drilling rig.
Spud Notice (Notify BLM Petroleum Engineer)	- Twenty-Four (24) hours prior to spudding the well.
Casing String & Cementing (Notify BLM Supv. Petroleum Tech.)	- Twenty-Four (24) hours prior to running casing and cementing all casing strings to: <a href="mailto:ut_vn_opreport@blm.gov">ut_vn_opreport@blm.gov</a> .
BOP & Related Equipment Tests (Notify BLM Supv. Petroleum Tech.)	- Twenty-Four (24) hours prior to initiating pressure tests.
First Production Notice (Notify BLM Petroleum Engineer)	- Within Five (5) business days after new well begins or production resumes after well has been off production for more than ninety (90) days.

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

- A 30 foot corridor right-of-way shall be approved. Upon completion of each pipeline in corridor, they shall be identified and filed with the Ute Tribe.
- A qualified Archaeologist accompanied by a Tribal Technician will monitor trenching construction of pipeline.
- The Ute Tribe Energy & Minerals Department is to be notified, in writing 48 hours prior to construction of pipeline.
- Construction Notice shall be given to the department on the Ute Tribe workdays, which are Monday through Thursday. The Company understands that they may be responsible for costs incurred by the Ute Tribe after hours.
- The Company shall inform contractors to maintain construction of pipelines within the approved ROW's.
- The Company shall assure the Ute Tribe that "ALL CONTRACTORS, INCLUDING SUB-CONTRACTORS, LEASING CONTRACTORS, AND ETC." have acquired a current and valid Ute Tribal Business License and have "Access Permits" prior to construction, and will have these permits in all vehicles at all times.
- You are hereby notified that working under the "umbrella" of a company does not allow you to be in the field, and can be subject to those fines of the Ute Tribe Severance Tax Ordinance.
- Any deviation of submitted APD's and ROW applications the Companies will notify the Ute Tribe and BIA in writing and will receive written authorization of any such change with appropriate authorization.
- The Company will implement "Safety and Emergency Plan." The Company's safety director will ensure its compliance.
- All Company employees and/or authorized personnel (sub-contractors) in the field will have approved applicable APD's and/or ROW permits/authorizations on their person(s) during all phases of construction.
- All vehicular traffic, personnel movement, construction/restoration operations should be confined to the area examined and approved, and to the existing roadways and/or evaluated access routes.
- All personnel should refrain from collecting artifacts, and paleontological fossils, and from disturbing any significant cultural resources in the area.
- The personnel from the Ute Tribe Energy & Minerals Department should be notified should cultural remains from subsurface deposits be exposed or identified during construction. All construction will cease.

- All mitigative stipulations contained in the Bureau of Indian Affairs Site Specific Environmental Assessment (EA) will be strictly adhered.
- Upon completion of Application for Corridor Right-Way, the company will notify the Ute Tribe Energy & Minerals Department, so that a Tribal Technician can verify Affidavit of Completion

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

**SITE SPECIFIC DOWNHOLE COAs:**

- The operator is required to use '5,000' psi annular rams for the specified BOP 5M system.
- A casing shoe integrity test shall be performed before drilling more than twenty feet below the casing shoe on the Surface casing.

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

**DRILLING/COMPLETION/PRODUCING OPERATING STANDARDS**

- The spud date and time shall be reported orally to Vernal Field Office within 24 hours of spudding.
- Notify Vernal Field Office Supervisory Petroleum Engineering Technician at least 24 hours in advance of casing cementing operations and BOPE & casing pressure tests.
- All requirements listed in Onshore Order #2 III. E. Special Drilling Operations are applicable for air drilling of surface hole.
- Blowout prevention equipment (BOPE) shall remain in use until the well is completed or abandoned. Closing unit controls shall remain unobstructed and readily accessible at all times. Choke manifolds shall be located outside of the rig substructure.
- All BOPE components shall be inspected daily and those inspections shall be recorded in the daily drilling report. Components shall be operated and tested as required by Onshore Oil & Gas Order No. 2 to insure good mechanical working order. All BOPE pressure tests shall be performed by a test pump with a chart recorder and **NOT** by the rig pumps. Test shall be reported in the driller's log.
- BOP drills shall be initially conducted by each drilling crew within 24 hours of drilling out from under the surface casing and weekly thereafter as specified in Onshore Oil & Gas Order No. 2.
- Casing pressure tests are required before drilling out from under all casing strings set and cemented in place.
- No aggressive/fresh hard-banded drill pipe shall be used within casing.
- **Cement baskets shall not be run on surface casing.**
- The operator must report all shows of water or water-bearing sands to the BLM. If flowing water is encountered it must be sampled, analyzed, and a copy of the analyses submitted to the BLM Vernal Field Office.
- The operator must report encounters of all non oil & gas mineral resources (such as Gilsonite, tar sands, oil shale, trona, etc.) to the Vernal Field Office, in writing, within 5 working days of

each encounter. Each report shall include the well name/number, well location, date and depth (from KB or GL) of encounter, vertical footage of the encounter and, the name of the person making the report (along with a telephone number) should the BLM need to obtain additional information.

- A complete set of angular deviation and directional surveys of a directional well will be submitted to the Vernal BLM office engineer within 30 days of the completion of the well.
- While actively drilling, chronologic drilling progress reports shall be filed directly with the BLM, Vernal Field Office on a weekly basis in sundry, letter format or e-mail to the Petroleum Engineers until the well is completed.
- A cement bond log (CBL) will be run from the production casing shoe to the top of cement and shall be utilized to determine the bond quality for the production casing. Submit a field copy of the CBL to this office.
- **Please submit an electronic copy of all other logs run on this well in LAS format to UT\_VN\_Welllogs@BLM.gov. This submission will supersede the requirement for submittal of paper logs to the BLM.**
- There shall be no deviation from the proposed drilling, completion, and/or workover program as approved. Safe drilling and operating practices must be observed. Any changes in operation must have prior approval from the BLM Vernal Field Office.

## OPERATING REQUIREMENT REMINDERS:

- All wells, whether drilling, producing, suspended, or abandoned, shall be identified in accordance with 43 CFR 3162.6. There shall be a sign or marker with the name of the operator, lease serial number, well number, and surveyed description of the well.
- For information regarding production reporting, contact the Office of Natural Resources Revenue (ONRR) at [www.ONRR.gov](http://www.ONRR.gov).
- In accordance with 43 CFR 3162.4-3, this well shall be reported on the "Monthly Report of Operations" (Oil and Gas Operations Report ((OGOR)) starting with the month in which operations commence and continue each month until the well is physically plugged and abandoned. This report shall be filed in duplicate, directly with the Minerals Management Service, P.O. Box 17110, Denver, Colorado 80217-0110, or call 1-800-525-7922 (303) 231-3650 for reporting information.
- Should the well be successfully completed for production, the BLM Vernal Field office must be notified when it is placed in a producing status. Such notification will be by written communication and must be received in this office by not later than the fifth business day following the date on which the well is placed on production. The notification shall provide, as a minimum, the following informational items:
  - Operator name, address, and telephone number.
  - Well name and number.
  - Well location (¼¼, Sec., Twn, Rng, and P.M.).
  - Date well was placed in a producing status (date of first production for which royalty will be paid).
  - The nature of the well's production, (i.e., crude oil, or crude oil and casing head gas, or natural gas and entrained liquid hydrocarbons).
  - The Federal or Indian lease prefix and number on which the well is located; otherwise the non-Federal or non-Indian land category, i.e., State or private.
  - Unit agreement and/or participating area name and number, if applicable.
  - Communitization agreement number, if applicable.
- Any venting or flaring of gas shall be done in accordance with Notice to Lessees (NTL) 4A and needs prior approval from the BLM Vernal Field Office.
- All undesirable events (fires, accidents, blowouts, spills, discharges) as specified in NTL 3A will be reported to the BLM, Vernal Field Office. Major events, as defined in NTL3A, shall be reported verbally within 24 hours, followed by a written report within 15 days. "Other than Major Events" will be reported in writing within 15 days. "Minor Events" will be reported on the Monthly Report of Operations and Production.
- Whether the well is completed as a dry hole or as a producer, "Well Completion and

Recompletion Report and Log" (BLM Form 3160-4) shall be submitted not later than 30 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3162.4-1. Two copies of all logs run, core descriptions, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, shall be filed on BLM Form 3160-4. Submit with the well completion report a geologic report including, at a minimum, formation tops, and a summary and conclusions. Also include deviation surveys, sample descriptions, strip logs, core data, drill stem test data, and results of production tests if performed. Samples (cuttings, fluid, and/or gas) shall be submitted only when requested by the BLM, Vernal Field Office.

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

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

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	<b>FORM 9</b>  <b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> UTU-39223
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b> UTE  <b>7. UNIT or CA AGREEMENT NAME:</b>
<b>1. TYPE OF WELL</b> Gas Well	<b>8. WELL NAME and NUMBER:</b> WHB 6-5H
<b>2. NAME OF OPERATOR:</b> XTO ENERGY INC	<b>9. API NUMBER:</b> 43047398500000
<b>3. ADDRESS OF OPERATOR:</b> 382 Road 3100 , Aztec, NM, 87410	<b>PHONE NUMBER:</b> 505 333-3159 Ext
<b>4. LOCATION OF WELL FOOTAGES AT SURFACE:</b> 1046 FNL 1527 FWL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NENW Section: 05 Township: 11.0S Range: 20.0E Meridian: S	<b>9. FIELD and POOL or WILDCAT:</b> UNDESIGNATED  <b>COUNTY:</b> UINTAH  <b>STATE:</b> UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> <b>NOTICE OF INTENT</b> Approximate date work will start: 12/6/2012  <input type="checkbox"/> <b>SUBSEQUENT REPORT</b> Date of Work Completion:  <input type="checkbox"/> <b>SPUD REPORT</b> Date of Spud:  <input type="checkbox"/> <b>DRILLING REPORT</b> Report Date:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input checked="" type="checkbox"/> APD EXTENSION OTHER: <input style="width: 50px;" type="text"/>

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

XTO Energy hereby requests a one (1) year extension of the State APD for the referenced well.

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

Date: 12/08/2011  
By: 

<b>NAME (PLEASE PRINT)</b> Krista Wilson	<b>PHONE NUMBER</b> 505 333-3647	<b>TITLE</b> Permitting Tech
<b>SIGNATURE</b> N/A	<b>DATE</b> 12/6/2011	



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

- State of Utah  
- Department of Natural Resources

**Electronic Permitting System - Sundry Notices**

**Request for Permit Extension Validation Well Number 43047398500000**

**API:** 43047398500000

**Well Name:** WHB 6-5H

**Location:** 1046 FNL 1527 FWL QTR NENW SEC 05 TWP 110S RNG 200E MER S

**Company Permit Issued to:** XTO ENERGY INC

**Date Original Permit Issued:** 12/3/2007

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

- If located on private land, has the ownership changed, if so, has the surface agreement been updated?  Yes  No
  
- Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location?  Yes  No
  
- Has there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well?  Yes  No
  
- Have there been any changes to the access route including ownership, or rightof- way, which could affect the proposed location?  Yes  No
  
- Has the approved source of water for drilling changed?  Yes  No
  
- Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation?  Yes  No
  
- Is bonding still in place, which covers this proposed well?  Yes  No

**Signature:** Krista Wilson

**Date:** 12/6/2011

**Title:** Permitting Tech **Representing:** XTO ENERGY INC

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	<b>FORM 9</b>  <b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> UTU-39223
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**Approved by the  
Utah Division of  
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Date: 12/08/2011  
By: 

<b>NAME (PLEASE PRINT)</b> Krista Wilson	<b>PHONE NUMBER</b> 505 333-3647	<b>TITLE</b> Permitting Tech
<b>SIGNATURE</b> N/A	<b>DATE</b> 12/6/2011	



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

- State of Utah  
- Department of Natural Resources

Electronic Permitting System - Sundry Notices

**Request for Permit Extension Validation Well Number 43047398500000**

**API:** 43047398500000

**Well Name:** WHB 6-5H

**Location:** 1046 FNL 1527 FWL QTR NENW SEC 05 TWP 110S RNG 200E MER S

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

**Signature:** Krista Wilson

**Date:** 12/6/2011

**Title:** Permitting Tech **Representing:** XTO ENERGY INC

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<b>3. ADDRESS OF OPERATOR:</b> 382 Road 3100 , Aztec, NM, 87410	<b>PHONE NUMBER:</b> 505 333-3159 Ext
<b>4. LOCATION OF WELL FOOTAGES AT SURFACE:</b> 1046 FNL 1527 FWL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NENW Section: 05 Township: 11.0S Range: 20.0E Meridian: S	<b>9. FIELD and POOL or WILDCAT:</b> UNDESIGNATED  <b>COUNTY:</b> UINTAH  <b>STATE:</b> UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> <b>NOTICE OF INTENT</b> Approximate date work will start: 12/6/2012  <input type="checkbox"/> <b>SUBSEQUENT REPORT</b> Date of Work Completion:  <input type="checkbox"/> <b>SPUD REPORT</b> Date of Spud:  <input type="checkbox"/> <b>DRILLING REPORT</b> Report Date:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input checked="" type="checkbox"/> APD EXTENSION OTHER: <input style="width: 50px;" type="text"/>

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

XTO Energy hereby requests a one (1) year extension of the State APD for the referenced well.

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

Date: 12/08/2011  
By: 

<b>NAME (PLEASE PRINT)</b> Krista Wilson	<b>PHONE NUMBER</b> 505 333-3647	<b>TITLE</b> Permitting Tech
<b>SIGNATURE</b> N/A	<b>DATE</b> 12/6/2011	



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

- State of Utah  
- Department of Natural Resources

Electronic Permitting System - Sundry Notices

**Request for Permit Extension Validation Well Number 43047398500000**

**API:** 43047398500000

**Well Name:** WHB 6-5H

**Location:** 1046 FNL 1527 FWL QTR NENW SEC 05 TWP 110S RNG 200E MER S

**Company Permit Issued to:** XTO ENERGY INC

**Date Original Permit Issued:** 12/3/2007

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

- If located on private land, has the ownership changed, if so, has the surface agreement been updated?  Yes  No
  
- Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location?  Yes  No
  
- Has there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well?  Yes  No
  
- Have there been any changes to the access route including ownership, or rightof- way, which could affect the proposed location?  Yes  No
  
- Has the approved source of water for drilling changed?  Yes  No
  
- Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation?  Yes  No
  
- Is bonding still in place, which covers this proposed well?  Yes  No

**Signature:** Krista Wilson

**Date:** 12/6/2011

**Title:** Permitting Tech **Representing:** XTO ENERGY INC

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	<b>FORM 9</b>
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>	
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	
<b>1. TYPE OF WELL</b> Gas Well	<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> UTU-39223
<b>2. NAME OF OPERATOR:</b> XTO ENERGY INC	<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b> UTE
<b>3. ADDRESS OF OPERATOR:</b> PO Box 6501 , Englewood, CO, 80155	<b>7. UNIT or CA AGREEMENT NAME:</b>
<b>PHONE NUMBER:</b> 303 397-3727 Ext	<b>8. WELL NAME and NUMBER:</b> WHB 6-5H
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 1046 FNL 1527 FWL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NENW Section: 05 Township: 11.0S Range: 20.0E Meridian: S	<b>9. API NUMBER:</b> 43047398500000
	<b>9. FIELD and POOL or WILDCAT:</b> HILL CREEK
	<b>COUNTY:</b> Uintah
	<b>STATE:</b> UTAH

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

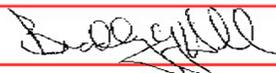
TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> <b>NOTICE OF INTENT</b> Approximate date work will start: 10/3/2013	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input type="checkbox"/> <b>SUBSEQUENT REPORT</b> Date of Work Completion:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> <b>SPUD REPORT</b> Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> <b>DRILLING REPORT</b> Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input checked="" type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input style="width: 100px;" type="text"/>

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

XTO Energy requests a one (1) year extension of the State APD for the referenced well.

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

**Date:** December 12, 2012

**By:** 

<b>NAME (PLEASE PRINT)</b> Richard L. Redus	<b>PHONE NUMBER</b> 303 397-3712	<b>TITLE</b> Regulatory
<b>SIGNATURE</b> N/A	<b>DATE</b> 11/29/2012	



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

- State of Utah  
- Department of Natural Resources

Electronic Permitting System - Sundry Notices

**Request for Permit Extension Validation Well Number 43047398500000**

API: 43047398500000

Well Name: WHB 6-5H

Location: 1046 FNL 1527 FWL QTR NENW SEC 05 TWNP 110S RNG 200E MER S

Company Permit Issued to: XTO ENERGY INC

Date Original Permit Issued: 12/3/2007

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

- If located on private land, has the ownership changed, if so, has the surface agreement been updated?  Yes  No
  
- Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location?  Yes  No
  
- Has there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well?  Yes  No
  
- Have there been any changes to the access route including ownership, or rightof- way, which could affect the proposed location?  Yes  No
  
- Has the approved source of water for drilling changed?  Yes  No
  
- Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation?  Yes  No
  
- Is bonding still in place, which covers this proposed well?  Yes  No

Signature: Richard L. Redus

Date: 11/29/2012

Title: Regulatory

Representing: XTO ENERGY INC

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	<b>FORM 9</b>
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-39223
1. TYPE OF WELL Gas Well	6. IF INDIAN, ALLOTTEE OR TRIBE NAME: UTE
2. NAME OF OPERATOR: XTO ENERGY INC	7. UNIT or CA AGREEMENT NAME:
3. ADDRESS OF OPERATOR: PO Box 6501 , Englewood, CO, 80155	8. WELL NAME and NUMBER: WHB 6-5H
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1046 FNL 1527 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NENW Section: 05 Township: 11.0S Range: 20.0E Meridian: S	9. API NUMBER: 43047398500000
9. FIELD and POOL or WILDCAT: HILL CREEK	COUNTY: UINTAH
9. FIELD and POOL or WILDCAT: HILL CREEK	STATE: UTAH

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

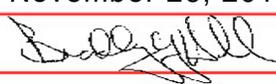
TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 8/5/2014	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input checked="" type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input style="width: 100px;" type="text"/>

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

XTO Energy requests a one (1) year extension of the State APD for the referenced well.

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

**Date:** November 26, 2013

**By:** 

NAME (PLEASE PRINT) Sephra Baca	PHONE NUMBER 719 845-2103	TITLE Regulatory Analyst
SIGNATURE N/A	DATE 11/25/2013	



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

- State of Utah  
- Department of Natural Resources

Electronic Permitting System - Sundry Notices

**Request for Permit Extension Validation Well Number 43047398500000**

API: 43047398500000

Well Name: WHB 6-5H

Location: 1046 FNL 1527 FWL QTR NENW SEC 05 TWNP 110S RNG 200E MER S

Company Permit Issued to: XTO ENERGY INC

Date Original Permit Issued: 12/3/2007

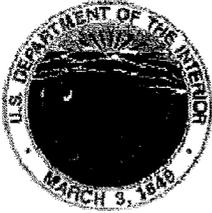
The undersigned as owner with legal rights to drill on the property as permitted above, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision. Following is a checklist of some items related to the application, which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

- If located on private land, has the ownership changed, if so, has the surface agreement been updated?  Yes  No
  
- Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location?  Yes  No
  
- Has there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well?  Yes  No
  
- Have there been any changes to the access route including ownership, or rightof- way, which could affect the proposed location?  Yes  No
  
- Has the approved source of water for drilling changed?  Yes  No
  
- Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation?  Yes  No
  
- Is bonding still in place, which covers this proposed well?  Yes  No

Signature: Sephra Baca

Date: 11/25/2013

Title: Regulatory Analyst Representing: XTO ENERGY INC



# United States Department of the Interior



## BUREAU OF LAND MANAGEMENT

Green River District  
Vernal Field Office  
170 South 500 East  
Vernal, UT 84078

<http://www.blm.gov/ut/st/en/fo/vernal.html>

JAN 24 2014

IN REPLY REFER TO:  
3160 (UTG011)

Rick Redus  
XTO Energy, Inc.  
PO Box 6501  
Englewood, CO 80155

Re: Notice of Expiration  
Well No. WHB 6-5H  
NENW, Sec. 5, T11S, R20E  
Uintah County, Utah  
Lease No. UTU-39223

43 047 39850

RECEIVED

FEB 14 2014

DIV. OF OIL, GAS & MINING

Dear Mr. Redus:

The Application for Permit to Drill (APD) for the above-referenced well was approved on February 3, 2011. No extension of the original APD was requested. According to our records, no known activity has transpired at the approved location. In view of the foregoing, this office is notifying you that the approval of the referenced application has expired. If you intend to drill at this location in the future, a new Application for Permit to Drill must be submitted.

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

If you have any questions regarding this matter, please contact Robin R. Hansen at (435) 781-3428.

Sincerely,

/s/ Jerry Kenczka

Jerry Kenczka  
Assistant Field Manager  
Lands & Mineral Resources

cc: UDOGM

bcc: Well File  
I&E Asst.

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	<b>FORM 9</b>
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>	
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	
<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> UTU-39223	<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b> UTE
<b>7. UNIT or CA AGREEMENT NAME:</b>	<b>8. WELL NAME and NUMBER:</b> WHB 6-5H
<b>1. TYPE OF WELL</b> Gas Well	<b>9. API NUMBER:</b> 43047398500000
<b>2. NAME OF OPERATOR:</b> XTO ENERGY INC	<b>9. FIELD and POOL or WILDCAT:</b> HILL CREEK
<b>3. ADDRESS OF OPERATOR:</b> PO Box 6501 , Englewood, CO, 80155	<b>PHONE NUMBER:</b> 303 397-3727 Ext
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 1046 FNL 1527 FWL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NENW Section: 05 Township: 11.0S Range: 20.0E Meridian: S	<b>COUNTY:</b> UINTAH  <b>STATE:</b> UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> <b>NOTICE OF INTENT</b> Approximate date work will start: 11/30/2015	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input type="checkbox"/> <b>SUBSEQUENT REPORT</b> Date of Work Completion:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> <b>SPUD REPORT</b> Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> <b>DRILLING REPORT</b> Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input checked="" type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input style="width: 100px;" type="text"/>

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

XTO Energy requests a one (1) year extension of the State APD for the referenced well.

Approved by the  
 November 10, 2014  
 Oil, Gas and Mining

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

By: 

<b>NAME (PLEASE PRINT)</b> Malia Villers	<b>PHONE NUMBER</b> 303 397-3670	<b>TITLE</b> Lead Permitting Analyst
<b>SIGNATURE</b> N/A	<b>DATE</b> 11/7/2014	



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

- State of Utah  
- Department of Natural Resources

Electronic Permitting System - Sundry Notices

**Request for Permit Extension Validation Well Number 43047398500000**

API: 43047398500000

Well Name: WHB 6-5H

Location: 1046 FNL 1527 FWL QTR NENW SEC 05 TWNP 110S RNG 200E MER S

Company Permit Issued to: XTO ENERGY INC

Date Original Permit Issued: 12/3/2007

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

- If located on private land, has the ownership changed, if so, has the surface agreement been updated?  Yes  No
  
- Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location?  Yes  No
  
- Has there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well?  Yes  No
  
- Have there been any changes to the access route including ownership, or rightof- way, which could affect the proposed location?  Yes  No
  
- Has the approved source of water for drilling changed?  Yes  No
  
- Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation?  Yes  No
  
- Is bonding still in place, which covers this proposed well?  Yes  No

Signature: Malia Villers

Date: 11/7/2014

Title: Lead Permitting Analyst Representing: XTO ENERGY INC



GARY R. HERBERT  
Governor

SPENCER J. COX  
Lieutenant Governor

# State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER  
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA  
Division Director

December 10, 2015

Malia Villers  
XTO Energy Inc.  
P.O. BOX 6501  
Englewood, CO 80155

Re: APDs Rescinded for XTO Energy Inc., Uintah County

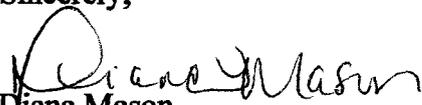
Dear Ms. Villers:

Enclosed find the list of APDs that you asked to be rescinded. No drilling activity at these locations has been reported to the division. Therefore, approval to drill these wells is hereby rescinded effective December 4, 2015.

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

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

Sincerely,

  
Diana Mason  
Environmental Scientist

cc: Well File  
Bureau of Land Management, Vernal



Operator	API Number	Well Name	Work Type	Date Approved	Date Permit Will Expire
XTO ENERGY INC	4304739849	WHB 11-5H	DRILL	12/03/2007	12/03/2015
XTO ENERGY INC	4304739850	WHB 6-5H	DRILL	12/03/2007	12/03/2015
XTO ENERGY INC	4304739851	WHB 3-5H	DRILL	12/03/2007	12/03/2015
XTO ENERGY INC	4304737448	LCU 9-8H	DRILL	12/08/2005	12/08/2015
XTO ENERGY INC	4304740465	FEDERAL 5-35B	DRILL	12/24/2008	12/24/2015
XTO ENERGY INC	4304738948	KC 14-31E	DRILL	12/28/2006	12/28/2015
XTO ENERGY INC	4304738949	KC 3-33E	DRILL	12/28/2006	12/28/2015