

December 21, 2007

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

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

**KC 8-36D**

*Surface Location: 2,598' FNL & 1,122' FEL, SW/4 NE/4,  
Target Location: 2,100' FNL & 650' FEL, Lot 2,  
Section 36, T10S, R18E, SLB&M, Uintah County, Utah*

Dear Diana;

On behalf of XTO Energy, Inc. Buys & Associates, Inc. respectfully submits the enclosed original and one copy of the Application for Permit to Drill (APD) for the above referenced SITLA surface and mineral 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" - Cultural and 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: Fluid Mineral Group, BLM—Vernal Field Office  
Ken Secrest, XTO Energy, Inc.

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**DEC 24 2007**

DIV. OF OIL, GAS & MINING

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

FORM 3

AMENDED REPORT   
(highlight changes)

<b>APPLICATION FOR PERMIT TO DRILL</b>			5. MINERAL LEASE NO: <b>ML-47058</b>	6. SURFACE: State
1A. TYPE OF WORK: DRILL <input checked="" type="checkbox"/> REENTER <input type="checkbox"/> DEEPEN <input type="checkbox"/>			7. IF INDIAN, ALLOTTEE OR TRIBE NAME: N/A	
B. TYPE OF WELL: OIL <input type="checkbox"/> GAS <input checked="" type="checkbox"/> OTHER _____ SINGLE ZONE <input type="checkbox"/> MULTIPLE ZONE <input checked="" type="checkbox"/>			8. UNIT or CA AGREEMENT NAME: N/A	
2. NAME OF OPERATOR: <b>XTO Energy, Inc.</b>			9. WELL NAME and NUMBER: <b>KC 8-36D</b>	
3. ADDRESS OF OPERATOR: P.O. Box 1360 CITY <b>Roosevelt</b> STATE <b>UT</b> ZIP <b>84066</b>		PHONE NUMBER: <b>(435) 722-4521</b>	10. FIELD AND POOL, OR WILDCAT: <b>undesignated</b>	
4. LOCATION OF WELL (FOOTAGES) AT SURFACE: <b>2,598' FNL &amp; 1,122' FEL, SW1/4 NE1/4,</b> AT PROPOSED PRODUCING ZONE: <b>2,100' FNL &amp; 650' FEL, Lot 2,</b> <b>599589 X 441732 Y 39.902112 SENE -104.835009</b>			11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: <b>36 10S 18E S</b>	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE: <b>15.50 miles southwest of Ouray, Utah</b>			12. COUNTY: <b>Uintah</b>	13. STATE: <b>UTAH</b>
15. DISTANCE TO NEAREST PROPERTY OR LEASE LINE (FEET) <b>1,122'</b>	16. NUMBER OF ACRES IN LEASE: <b>546.73</b>	17. NUMBER OF ACRES ASSIGNED TO THIS WELL: <b>40</b>		
18. DISTANCE TO NEAREST WELL (DRILLING, COMPLETED, OR APPLIED FOR) ON THIS LEASE (FEET) <b>25'</b>	19. PROPOSED DEPTH: <b>9,960</b>	20. BOND DESCRIPTION: <b>104312 762</b>		
21. ELEVATIONS (SHOW WHETHER DF, RT, GR, ETC.): <b>5,358' ungraded ground</b>	22. APPROXIMATE DATE WORK WILL START: <b>2/15/2008</b>	23. ESTIMATED DURATION: <b>14 days</b>		

24. **PROPOSED CASING AND CEMENTING PROGRAM**

SIZE OF HOLE	CASING SIZE, GRADE, AND WEIGHT PER FOOT	SETTING DEPTH	CEMENT TYPE, QUANTITY, YIELD, AND SLURRY WEIGHT
17-1/2"	13-3/8" H-40 ST 48#	500	see Drilling Plan
12-1/4"	9-5/8" J-55 ST 36#	3,600	see Drilling Plan
7-7/8"	5-1/2" N-80 LT 17#	9,960	see Drilling Plan
			(9873' TVD)

25. **ATTACHMENTS**

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

<input checked="" type="checkbox"/> WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER	<input checked="" type="checkbox"/> COMPLETE DRILLING PLAN
<input type="checkbox"/> EVIDENCE OF DIVISION OF WATER RIGHTS APPROVAL FOR USE OF WATER	<input type="checkbox"/> FORM 5, IF OPERATOR IS PERSON OR COMPANY OTHER THAN THE LEASE OWNER

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

SIGNATURE Don Hamilton DATE 12/21/2007

(This space for State use only)

API NUMBER ASSIGNED: 43-047-39892

APPROVAL:

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# XTO ENERGY INC.

KC 8-36D

APD Data

May 30, 2008

Location: 2598' FNL & 1122' FEL, Sec. 36, T10S, R18E County: Uintah

State: Utah

Bottomhole Location: 2100' FNL & 650' FEL, Sec. 36, T10S, R18E

GREATEST PROJECTED TD: 9955' MD/ 9875' TVD  
APPROX GR ELEV: 5358'

OBJECTIVE: Wasatch/Mesaverde  
Est KB ELEV: 5372' (14' AGL)

## 1. MUD PROGRAM:

INTERVAL	0' to 2250'	2250' to 9955'
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 ±2250'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'-2250'	2250'	36#	J-55	ST&C	2020	3520	394	8.921	8.765	2.57	4.47	4.86

Production Casing: 5.5" casing set at ±9955'MD/9875'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'-9955'	9955'	17#	N-80	LT&C	6280	7740	348	4.892	4.767	1.68	2.07	2.06

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 ±2250' in 12.25" hole.

### LEAD:

±222 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.

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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" surface casing is 1267.3 ft<sup>3</sup>. Slurry includes 75% excess of calculated open hole annular volume to 2250'.*

B. Production: 5.5", 17#, N-80 (or equiv.), LT&C casing to be set at ±9955' in 7.875" hole.

LEAD:

±348 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 1675.5 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 1750' 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 (9955') to the bottom of the surface csg. Run Neutron/Lithodensity/Pe/GR/Cal from TD (9955') to 2250'. 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	3,877
Green River Tongue	Oil/Gas/Water	4,237
Wasatch*	Gas/Water	4,422
Chapita Wells*	Gas/Water	5,287
Uteland Buttes	Gas/Water	6,632
Mesaverde*	Gas/Water	7,557
Castlegate	Gas/Water	NA

- 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	

# **XTO Energy**

**Natural Buttes Wells(NAD83)**

**KC 7-36D**

**KC 8-36D**

**KC 8-36D**

**Plan: Sundry'd Wellbore**

## **Standard Planning Report**

**30 May, 2008**

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**DIV. OF OIL, GAS & MINING**



# Well Name: KC 8-36D

San Juan Division  
Drilling Department

Calculation Method: Minimum Curvature  
Geodetic Datum: North American Datum 1983  
Lat: 39° 54' 2.408 N  
Long: 109° 50' 15.119 W



Azimuths to True North  
Magnetic North: 11.64°

Magnetic Field  
Strength: 52596.8nT  
Dip Angle: 65.82°  
Date: 12/4/2007  
Model: IGRF200510

### SECTION DETAILS

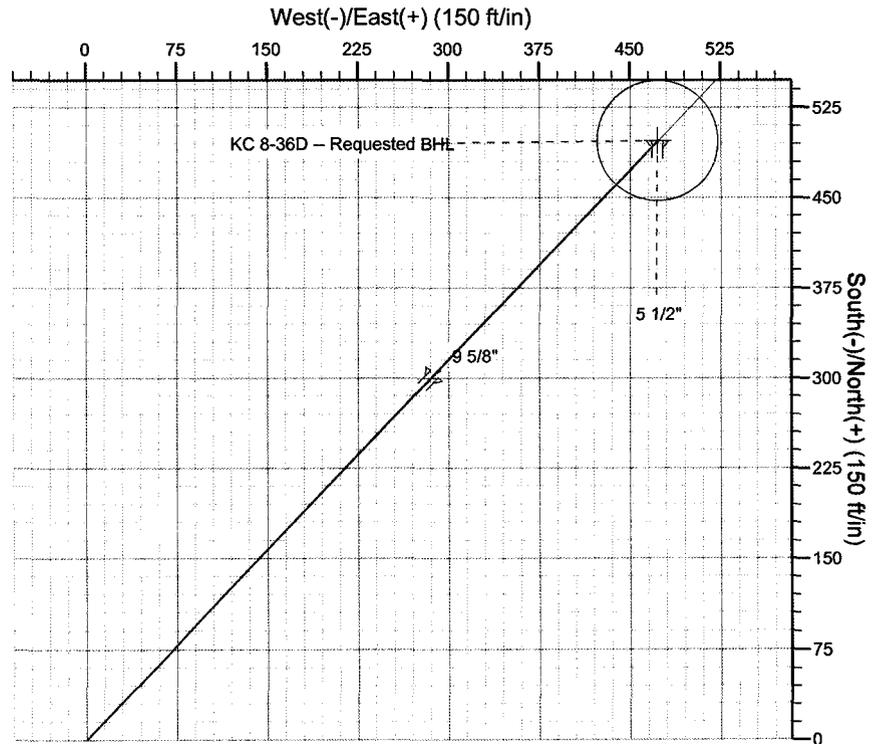
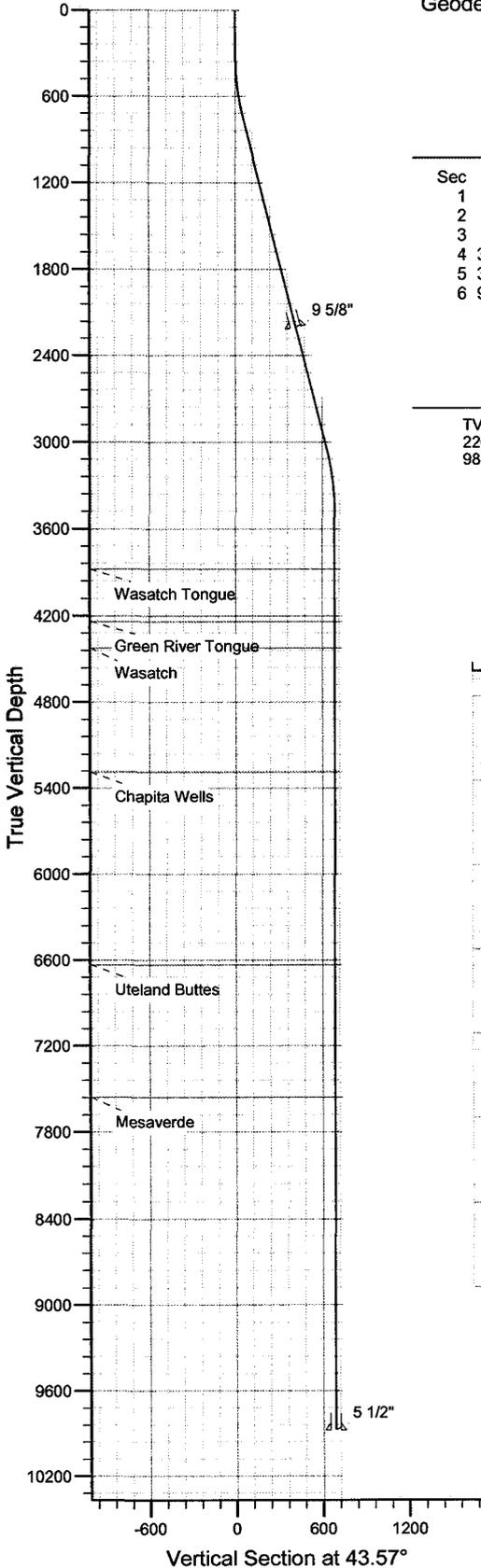
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	300.0	0.00	0.00	300.0	0.0	0.0	0.00	0.00	0.0	
3	770.9	14.13	43.57	766.1	41.8	39.8	3.00	43.57	57.8	
4	3109.4	14.13	43.57	3033.9	455.3	433.2	0.00	0.00	628.5	
5	3580.2	0.00	0.00	3500.0	497.2	473.0	3.00	180.00	686.2	KC 8-36D -- Requested BHL
6	9955.2	0.00	0.00	9875.0	497.2	473.0	0.00	0.00	686.2	

### CASING DETAILS

TVD	MD	Name	Size
2200.0	2249.5	9 5/8"	9-5/8
9875.0	9955.2	5 1/2"	5-1/2

### FORMATION TOP DETAILS

TVDPath	MDPath	Formation
3877.0	3957.2	Wasatch Tongue
4237.0	4317.2	Green River Tongue
4422.0	4502.2	Wasatch
5287.0	5367.2	Chapita Wells
6632.0	6712.2	Uteland Buttes
7557.0	7637.2	Mesaverde



**XTO Energy, Inc.**  
Planning Report

**Database:** EDM 2003.14 Single User Db  
**Company:** XTO Energy  
**Project:** Natural Buttes Wells(NAD83)  
**Site:** KC 7-36D  
**Well:** KC 8-36D  
**Wellbore:** KC 8-36D  
**Design:** Sundry'd Wellbore

**Local Co-ordinate Reference:** Well KC 8-36D  
**TVD Reference:** Rig KB @ 5372.0ft (Frontier #6)  
**MD Reference:** Rig KB @ 5372.0ft (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>	KC 7-36D, T10S, R18E				
<b>Site Position:</b>		<b>Northing:</b>	3,127,655.11 ft	<b>Latitude:</b>	39° 54' 2.408 N
<b>From:</b>	Lat/Long	<b>Easting:</b>	2,106,932.14 ft	<b>Longitude:</b>	109° 50' 15.119 W
<b>Position Uncertainty:</b>	0.0 ft	<b>Slot Radius:</b>	"	<b>Grid Convergence:</b>	1.10 °

<b>Well</b>	KC 8-36D, S-Well to Wasatch/Mesaverde					
<b>Well Position</b>	<b>+N/-S</b>	0.0 ft	<b>Northing:</b>	3,127,656.68 ft	<b>Latitude:</b>	39° 54' 2.419 N
	<b>+E/-W</b>	0.0 ft	<b>Easting:</b>	2,106,957.10 ft	<b>Longitude:</b>	109° 50' 14.798 W
<b>Position Uncertainty</b>		0.0 ft	<b>Wellhead Elevation:</b>	5,358.0 ft	<b>Ground Level:</b>	5,358.0 ft

<b>Wellbore</b>	KC 8-36D				
<b>Magnetics</b>	<b>Model Name</b>	<b>Sample Date</b>	<b>Declination (°)</b>	<b>Dip Angle (°)</b>	<b>Field Strength (nT)</b>
	IGRF200510	12/4/2007	11.64	65.82	52,597

<b>Design</b>	Sundry'd 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) (ft)</b>	<b>+N/-S (ft)</b>	<b>+E/-W (ft)</b>	<b>Direction (°)</b>	
	0.0	0.0	0.0	43.57	

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	
300.0	0.00	0.00	300.0	0.0	0.0	0.00	0.00	0.00	0.00	
770.9	14.13	43.57	766.1	41.8	39.8	3.00	3.00	0.00	43.57	
3,109.4	14.13	43.57	3,033.9	455.3	433.2	0.00	0.00	0.00	0.00	
3,580.2	0.00	0.00	3,500.0	497.2	473.0	3.00	-3.00	0.00	180.00	KC 8-36D – Requeste
9,955.2	0.00	0.00	9,875.0	497.2	473.0	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:** KC 7-36D  
**Well:** KC 8-36D  
**Wellbore:** KC 8-36D  
**Design:** Sundry'd Wellbore

**Local Co-ordinate Reference:** Well KC 8-36D  
**TVD Reference:** Rig KB @ 5372.0ft (Frontier #6)  
**MD Reference:** Rig KB @ 5372.0ft (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
400.0	3.00	43.57	400.0	1.9	1.8	2.6	3.00	3.00	0.00
500.0	6.00	43.57	499.6	7.6	7.2	10.5	3.00	3.00	0.00
600.0	9.00	43.57	598.8	17.0	16.2	23.5	3.00	3.00	0.00
700.0	12.00	43.57	697.1	30.2	28.8	41.7	3.00	3.00	0.00
770.9	14.13	43.57	766.1	41.8	39.8	57.8	3.00	3.00	0.00
800.0	14.13	43.57	794.4	47.0	44.7	64.9	0.00	0.00	0.00
900.0	14.13	43.57	891.3	64.7	61.5	89.3	0.00	0.00	0.00
1,000.0	14.13	43.57	988.3	82.4	78.3	113.7	0.00	0.00	0.00
1,100.0	14.13	43.57	1,085.3	100.0	95.2	138.1	0.00	0.00	0.00
1,200.0	14.13	43.57	1,182.3	117.7	112.0	162.5	0.00	0.00	0.00
1,300.0	14.13	43.57	1,279.2	135.4	128.8	186.9	0.00	0.00	0.00
1,400.0	14.13	43.57	1,376.2	153.1	145.6	211.3	0.00	0.00	0.00
1,500.0	14.13	43.57	1,473.2	170.8	162.5	235.7	0.00	0.00	0.00
1,600.0	14.13	43.57	1,570.2	188.5	179.3	260.1	0.00	0.00	0.00
1,700.0	14.13	43.57	1,667.1	206.1	196.1	284.5	0.00	0.00	0.00
1,800.0	14.13	43.57	1,764.1	223.8	212.9	308.9	0.00	0.00	0.00
1,900.0	14.13	43.57	1,861.1	241.5	229.7	333.3	0.00	0.00	0.00
2,000.0	14.13	43.57	1,958.1	259.2	246.6	357.7	0.00	0.00	0.00
2,100.0	14.13	43.57	2,055.1	276.9	263.4	382.1	0.00	0.00	0.00
2,200.0	14.13	43.57	2,152.0	294.5	280.2	406.5	0.00	0.00	0.00
2,249.5	14.13	43.57	2,200.0	303.3	288.5	418.6	0.00	0.00	0.00
<b>9 5/8"</b>									
2,300.0	14.13	43.57	2,249.0	312.2	297.0	430.9	0.00	0.00	0.00
2,400.0	14.13	43.57	2,346.0	329.9	313.8	455.3	0.00	0.00	0.00
2,500.0	14.13	43.57	2,443.0	347.6	330.7	479.8	0.00	0.00	0.00
2,600.0	14.13	43.57	2,539.9	365.3	347.5	504.2	0.00	0.00	0.00
2,700.0	14.13	43.57	2,636.9	383.0	364.3	528.6	0.00	0.00	0.00
2,800.0	14.13	43.57	2,733.9	400.6	381.1	553.0	0.00	0.00	0.00
2,900.0	14.13	43.57	2,830.9	418.3	397.9	577.4	0.00	0.00	0.00
3,000.0	14.13	43.57	2,927.8	436.0	414.8	601.8	0.00	0.00	0.00
3,109.4	14.13	43.57	3,033.9	453.7	432.2	626.2	0.00	0.00	0.00
3,200.0	11.41	43.57	3,122.3	469.9	447.0	648.5	3.00	-3.00	0.00
3,300.0	8.41	43.57	3,220.8	482.3	458.8	665.7	3.00	-3.00	0.00
3,400.0	5.41	43.57	3,320.0	491.0	467.1	677.7	3.00	-3.00	0.00
3,500.0	2.41	43.57	3,419.8	496.0	471.8	684.5	3.00	-3.00	0.00
3,580.2	0.00	0.00	3,500.0	497.2	473.0	686.2	3.00	-3.00	0.00
<b>KC 8-36D -- Requested BHL</b>									
3,600.0	0.00	0.00	3,519.8	497.2	473.0	686.2	0.00	0.00	0.00
3,700.0	0.00	0.00	3,619.8	497.2	473.0	686.2	0.00	0.00	0.00
3,800.0	0.00	0.00	3,719.8	497.2	473.0	686.2	0.00	0.00	0.00
3,900.0	0.00	0.00	3,819.8	497.2	473.0	686.2	0.00	0.00	0.00
3,957.2	0.00	0.00	3,877.0	497.2	473.0	686.2	0.00	0.00	0.00
<b>Wasatch Tongue</b>									
4,000.0	0.00	0.00	3,919.8	497.2	473.0	686.2	0.00	0.00	0.00
4,100.0	0.00	0.00	4,019.8	497.2	473.0	686.2	0.00	0.00	0.00
4,200.0	0.00	0.00	4,119.8	497.2	473.0	686.2	0.00	0.00	0.00
4,300.0	0.00	0.00	4,219.8	497.2	473.0	686.2	0.00	0.00	0.00
4,317.2	0.00	0.00	4,237.0	497.2	473.0	686.2	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:** KC 7-36D  
**Well:** KC 8-36D  
**Wellbore:** KC 8-36D  
**Design:** Sundry'd Wellbore

**Local Co-ordinate Reference:** Well KC 8-36D  
**TVD Reference:** Rig KB @ 5372.0ft (Frontier #6)  
**MD Reference:** Rig KB @ 5372.0ft (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)
4,400.0	0.00	0.00	4,319.8	497.2	473.0	686.2	0.00	0.00	0.00
4,500.0	0.00	0.00	4,419.8	497.2	473.0	686.2	0.00	0.00	0.00
4,502.2	0.00	0.00	4,422.0	497.2	473.0	686.2	0.00	0.00	0.00
<b>Wasatch</b>									
4,600.0	0.00	0.00	4,519.8	497.2	473.0	686.2	0.00	0.00	0.00
4,700.0	0.00	0.00	4,619.8	497.2	473.0	686.2	0.00	0.00	0.00
4,800.0	0.00	0.00	4,719.8	497.2	473.0	686.2	0.00	0.00	0.00
4,900.0	0.00	0.00	4,819.8	497.2	473.0	686.2	0.00	0.00	0.00
5,000.0	0.00	0.00	4,919.8	497.2	473.0	686.2	0.00	0.00	0.00
5,100.0	0.00	0.00	5,019.8	497.2	473.0	686.2	0.00	0.00	0.00
5,200.0	0.00	0.00	5,119.8	497.2	473.0	686.2	0.00	0.00	0.00
5,300.0	0.00	0.00	5,219.8	497.2	473.0	686.2	0.00	0.00	0.00
5,367.2	0.00	0.00	5,287.0	497.2	473.0	686.2	0.00	0.00	0.00
<b>Chapita Wells</b>									
5,400.0	0.00	0.00	5,319.8	497.2	473.0	686.2	0.00	0.00	0.00
5,500.0	0.00	0.00	5,419.8	497.2	473.0	686.2	0.00	0.00	0.00
5,600.0	0.00	0.00	5,519.8	497.2	473.0	686.2	0.00	0.00	0.00
5,700.0	0.00	0.00	5,619.8	497.2	473.0	686.2	0.00	0.00	0.00
5,800.0	0.00	0.00	5,719.8	497.2	473.0	686.2	0.00	0.00	0.00
5,900.0	0.00	0.00	5,819.8	497.2	473.0	686.2	0.00	0.00	0.00
6,000.0	0.00	0.00	5,919.8	497.2	473.0	686.2	0.00	0.00	0.00
6,100.0	0.00	0.00	6,019.8	497.2	473.0	686.2	0.00	0.00	0.00
6,200.0	0.00	0.00	6,119.8	497.2	473.0	686.2	0.00	0.00	0.00
6,300.0	0.00	0.00	6,219.8	497.2	473.0	686.2	0.00	0.00	0.00
6,400.0	0.00	0.00	6,319.8	497.2	473.0	686.2	0.00	0.00	0.00
6,500.0	0.00	0.00	6,419.8	497.2	473.0	686.2	0.00	0.00	0.00
6,600.0	0.00	0.00	6,519.8	497.2	473.0	686.2	0.00	0.00	0.00
6,700.0	0.00	0.00	6,619.8	497.2	473.0	686.2	0.00	0.00	0.00
6,712.2	0.00	0.00	6,632.0	497.2	473.0	686.2	0.00	0.00	0.00
<b>Uteland Buttes</b>									
6,800.0	0.00	0.00	6,719.8	497.2	473.0	686.2	0.00	0.00	0.00
6,900.0	0.00	0.00	6,819.8	497.2	473.0	686.2	0.00	0.00	0.00
7,000.0	0.00	0.00	6,919.8	497.2	473.0	686.2	0.00	0.00	0.00
7,100.0	0.00	0.00	7,019.8	497.2	473.0	686.2	0.00	0.00	0.00
7,200.0	0.00	0.00	7,119.8	497.2	473.0	686.2	0.00	0.00	0.00
7,300.0	0.00	0.00	7,219.8	497.2	473.0	686.2	0.00	0.00	0.00
7,400.0	0.00	0.00	7,319.8	497.2	473.0	686.2	0.00	0.00	0.00
7,500.0	0.00	0.00	7,419.8	497.2	473.0	686.2	0.00	0.00	0.00
7,600.0	0.00	0.00	7,519.8	497.2	473.0	686.2	0.00	0.00	0.00
7,637.2	0.00	0.00	7,557.0	497.2	473.0	686.2	0.00	0.00	0.00
<b>Mesaverde</b>									
7,700.0	0.00	0.00	7,619.8	497.2	473.0	686.2	0.00	0.00	0.00
7,800.0	0.00	0.00	7,719.8	497.2	473.0	686.2	0.00	0.00	0.00
7,900.0	0.00	0.00	7,819.8	497.2	473.0	686.2	0.00	0.00	0.00
8,000.0	0.00	0.00	7,919.8	497.2	473.0	686.2	0.00	0.00	0.00
8,100.0	0.00	0.00	8,019.8	497.2	473.0	686.2	0.00	0.00	0.00
8,200.0	0.00	0.00	8,119.8	497.2	473.0	686.2	0.00	0.00	0.00
8,300.0	0.00	0.00	8,219.8	497.2	473.0	686.2	0.00	0.00	0.00
8,400.0	0.00	0.00	8,319.8	497.2	473.0	686.2	0.00	0.00	0.00
8,500.0	0.00	0.00	8,419.8	497.2	473.0	686.2	0.00	0.00	0.00
8,600.0	0.00	0.00	8,519.8	497.2	473.0	686.2	0.00	0.00	0.00
8,700.0	0.00	0.00	8,619.8	497.2	473.0	686.2	0.00	0.00	0.00
8,800.0	0.00	0.00	8,719.8	497.2	473.0	686.2	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:** KC 7-36D  
**Well:** KC 8-36D  
**Wellbore:** KC 8-36D  
**Design:** Sundry'd Wellbore

**Local Co-ordinate Reference:** Well KC 8-36D  
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**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)
8,900.0	0.00	0.00	8,819.8	497.2	473.0	686.2	0.00	0.00	0.00
9,000.0	0.00	0.00	8,919.8	497.2	473.0	686.2	0.00	0.00	0.00
9,100.0	0.00	0.00	9,019.8	497.2	473.0	686.2	0.00	0.00	0.00
9,200.0	0.00	0.00	9,119.8	497.2	473.0	686.2	0.00	0.00	0.00
9,300.0	0.00	0.00	9,219.8	497.2	473.0	686.2	0.00	0.00	0.00
9,400.0	0.00	0.00	9,319.8	497.2	473.0	686.2	0.00	0.00	0.00
9,500.0	0.00	0.00	9,419.8	497.2	473.0	686.2	0.00	0.00	0.00
9,600.0	0.00	0.00	9,519.8	497.2	473.0	686.2	0.00	0.00	0.00
9,700.0	0.00	0.00	9,619.8	497.2	473.0	686.2	0.00	0.00	0.00
9,800.0	0.00	0.00	9,719.8	497.2	473.0	686.2	0.00	0.00	0.00
9,900.0	0.00	0.00	9,819.8	497.2	473.0	686.2	0.00	0.00	0.00
9,955.2	0.00	0.00	9,875.0	497.2	473.0	686.2	0.00	0.00	0.00

5 1/2"

**Targets**

**Target Name**

- hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N-S (ft)	+E-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
KC 8-36D – Requested - plan hits target - Circle (radius 50.0)	0.00	0.00	3,500.0	497.2	473.0	3,128,162.83	2,107,420.47	39° 54' 7.331 N	109° 50' 8.731 W

**Casing Points**

Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (")	Hole Diameter (")
2,249.5	2,200.0	9 5/8"	9-5/8	12-1/4
9,955.2	9,875.0	5 1/2"	5-1/2	7-7/8

**Formations**

Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)
3,957.2	3,877.0	Wasatch Tongue		0.00	
4,317.2	4,237.0	Green River Tongue		0.00	
4,502.2	4,422.0	Wasatch		0.00	
5,367.2	5,287.0	Chapita Wells		0.00	
6,712.2	6,632.0	Uteland Buttes		0.00	
7,637.2	7,557.0	Mesaverde		0.00	

**BOPE REVIEW**

**XTO Energy KC 8-36D API 43-047-39892**

Well Name	XTO Energy KC 8-36D API 43-047-39892		
	String 1	String 2	String 3
Casing Size (")	13 3/8	9 5/8	5 1/2
Setting Depth (TVD)	500	3514	9876
Previous Shoe Setting Depth (TVD)	0	500	3514
Max Mud Weight (ppg)	8.4	8.8	9.2
BOPE Proposed (psi)	0	250	3000
Casing Internal Yield (psi)	1730	3520	7740
Operators Max Anticipated Pressure (psi)	4600		9.0 ppg

<b>Calculations</b>	<b>String 1</b>	<b>13 3/8 "</b>	
Max BHP [psi]	.052*Setting Depth*MW =	218	
			<b>BOPE Adequate For Drilling And Setting Casing at Depth?</b>
MASP (Gas) [psi]	Max BHP-(0.12*Setting Depth) =	158	NO
MASP (Gas/Mud) [psi]	Max BHP-(0.22*Setting Depth) =	108	NO
			<b>*Can Full Expected Pressure Be Held At Previous Shoe?</b>
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth) =	108	NO
Required Casing/BOPE Test Pressure		250 psi	
*Max Pressure Allowed @ Previous Casing Shoe =		0 psi	*Assumes 1psi/ft frac gradient

<b>Calculations</b>	<b>String 2</b>	<b>9 5/8 "</b>	
Max BHP [psi]	.052*Setting Depth*MW =	1608	
			<b>BOPE Adequate For Drilling And Setting Casing at Depth?</b>
MASP (Gas) [psi]	Max BHP-(0.12*Setting Depth) =	1186	NO diverter stack and rotating head rated at 250 psi
MASP (Gas/Mud) [psi]	Max BHP-(0.22*Setting Depth) =	835	NO
			<b>*Can Full Expected Pressure Be Held At Previous Shoe?</b>
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth) =	945	NO
Required Casing/BOPE Test Pressure		2464 psi	
*Max Pressure Allowed @ Previous Casing Shoe =		500 psi	*Assumes 1psi/ft frac gradient

<b>Calculations</b>	<b>String 3</b>	<b>5 1/2 "</b>	
Max BHP [psi]	.052*Setting Depth*MW =	4725	
			<b>BOPE Adequate For Drilling And Setting Casing at Depth?</b>
MASP (Gas) [psi]	Max BHP-(0.12*Setting Depth) =	3540	NO
MASP (Gas/Mud) [psi]	Max BHP-(0.22*Setting Depth) =	2552	YES
			<b>*Can Full Expected Pressure Be Held At Previous Shoe?</b>
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth) =	3325	YES
Required Casing/BOPE Test Pressure		3000 psi	
*Max Pressure Allowed @ Previous Casing Shoe =		3514 psi	*Assumes 1psi/ft frac gradient

## SURFACE USE PLAN

### CONDITIONS OF APPROVAL

**Name of Operator:** XTO Energy, Inc.  
**Address:** P.O. Box 1360; 978 North Crescent  
Roosevelt, Utah 84066  
**Well Location:** KC 8-36D  
Surface Location: 2,598' FNL & 1,122' FEL, SW/4 NE/4,  
Target Location: 2,100' FNL & 650' FEL, Lot 2,  
Section 36, T10S, R18E, 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 onsite inspection for the referenced well is pending at this time.

**Off-lease surface use is not needed since an existing Title V County Road presently exists to the lease boundary.**

1. Location of Existing Roads:

- a. The proposed well site is located approximately 15.50 miles southwest 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 Kings Canyon 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 since Title V County Road access presently exists to the lease boundary servicing the existing KC 9-36D.

2. New or Reconstructed Access Roads:

- a. From the proposed KC 9-36D access road an access is proposed trending north approximately 0.15 miles to the proposed well site. The access consists of entirely new disturbance and crosses no significant drainages. A road design plan is not anticipated at this time.
- b. The proposed access road will consist of a 24' travel surface within a 30' disturbed area.
- c. SITLA approval to construct and utilize the proposed access road is requested with this application.

- d. A maximum grade of 10% will be maintained throughout the project with no cuts and fills required to access the well.
- e. No turnouts are proposed since the access road is only 0.15 miles long and adequate site distance exists in all directions.
- f. No culverts or low-water crossings are necessary. Adequate drainage structures will be incorporated into the road.
- g. No surfacing material will come from federal or Indian lands.
- h. No gates or cattle guards are anticipated at this time.
- i. Surface disturbance and vehicular travel will be limited to the approved location access road.
- j. All access roads and surface disturbing activities will conform to the standards outlined in the Bureau of Land Management and Forest Service publication: Surface Operating Standards for Oil and Gas Exploration and Development, (1989).
- k. The operator will be responsible for all maintenance of the access road including drainage structures.

3. Location of Existing Wells:

- a. 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 east side of the well site and traverse 800' south to the proposed KC 9-36D pipeline corridor.
- 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 75' wide disturbed pipeline corridor. 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 800' is associated with this well.
- j. An existing pipeline corridor upgrade is proposed from the existing KC 9-36D tie-in location to the south section line of Section 36 along the existing pipeline route.
- k. 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 single trench and within a 75' wide disturbed pipeline corridor. The use of the existing well site and access roads will facilitate the staging of the pipeline corridor upgrade. An upgrade to a 75' wide buried pipeline corridor of approximately 800' is associated with this application.
- l. The proposed pipeline and pipeline upgrade are contained within SITLA surface.
- m. 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 Exhibit "B".
- 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 south 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 east.
- c. The pad and road designs are consistent with SITLA specification
- d. A pre-construction meeting with responsible company representative, contractors, and the SITLA will be conducted at the project site prior to commencement of surface-disturbing activities. The pad and road will be construction-staked prior to this meeting.
- e. The pad has been staked at its maximum size; 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 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 as prescribed by the SITLA.
  - 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 SITLA or the appropriate County Extension Office. On SITLA administered land, it is required that a Pesticide Use Proposal be submitted and approved prior to the application of herbicides, pesticides or possibly hazardous chemicals.
- 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 SITLA. The SITLA recommended seed mix will be detailed within their approval documents.

11. Surface and Mineral Ownership:

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

12. Other Information:

- a. 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. **Off-lease surface use is not needed since an existing Title V County Road presently exists to the lease boundary.**

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 SITLA bond 104312-762. These statements are subject to the provisions of 18 U.S.C. 1001 for the fling of false statements.

Executed this 21<sup>st</sup> day of December, 2007.

Don Hamilton

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

435-719-2018  
starpoint@etv.net

**XTO ENERGY, INC.**  
**KINGS CANYON #7-36D & #8-36D**  
**SECTION 36, T10S, R18E, 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; TURN LEFT AND PROCEED IN A SOUTHWESTERLY DIRECTION APPROXIMATELY 2.8 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTHWEST; TURN RIGHT AND PROCEED IN A NORTHWESTERLY DIRECTION APPROXIMATELY 2.8 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTHWEST; TURN LEFT AND PROCEED IN A SOUTHWESTERLY, THEN SOUTHEASTERLY DIRECTION APPROXIMATELY 1.2 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE WEST; TURN RIGHT AND PROCEED IN A WESTERLY, THEN SOUTHERLY, THEN SOUTHWESTERLY DIRECTION APPROXIMATELY 7.2 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTHWEST; TURN RIGHT AND PROCEED IN A NORTHWESTERLY DIRECTION APPROXIMATELY 3.1 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING TWO-TRACK ROAD TO THE NORTH; TURN RIGHT AND PROCEED IN A NORTHERLY DIRECTION APPROXIMATELY 0.4 MILES TO THE BEGINNING OF THE PROPOSED ACCESS FOR THE #9-36D TO THE NORTH; FOLLOW ROAD FLAGS IN A NORTHERLY DIRECTION APPROXIMATELY 160' TO THE PROPOSED #9-36D AND THE BEGINNING OF THE PROPOSED ACCESS TO THE NORTH; FOLLOW ROAD FLAGS IN A NORTHERLY DIRECTION APPROXIMATELY 0.15 MILES TO THE PROPOSED LOCATION.

TOTAL DISTANCE FROM VERNAL, UTAH TO THE PROPOSED WELL LOCATION IS APPROXIMATELY 32.85 MILES.

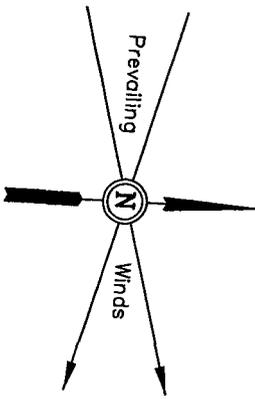
# XTO ENERGY, INC.

## LOCATION LAYOUT FOR

KINGS CANYON #8-36D & #7-36D  
SECTION 36, T10S, R18E, S.L.B.&M.  
SW 1/4 NE 1/4

Approx.  
Toe of  
Fill Slope

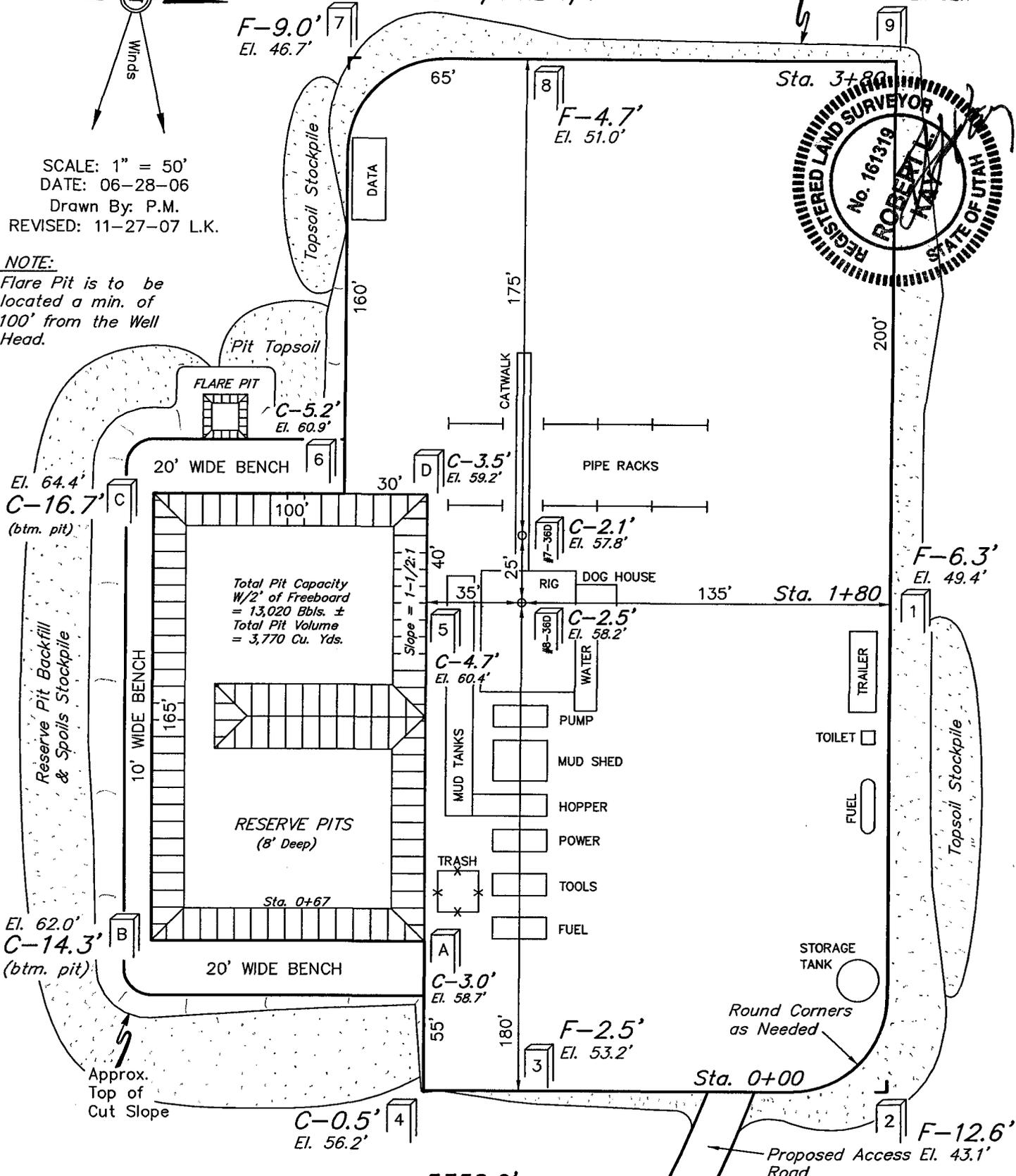
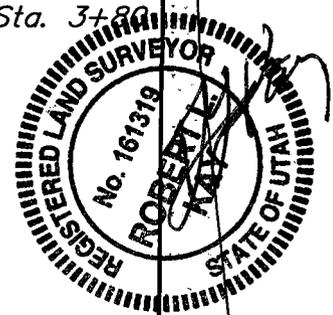
F-3.6'  
El. 52.1'



SCALE: 1" = 50'  
DATE: 06-28-06  
Drawn By: P.M.  
REVISED: 11-27-07 L.K.

**NOTE:**

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



Elev. Ungraded Ground at #8-36D Loc. Stake = 5358.2'  
Elev. Graded Ground at #8-36D Loc. Stake = 5355.7'

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

# XTO ENERGY, INC.

## TYPICAL CROSS SECTIONS FOR

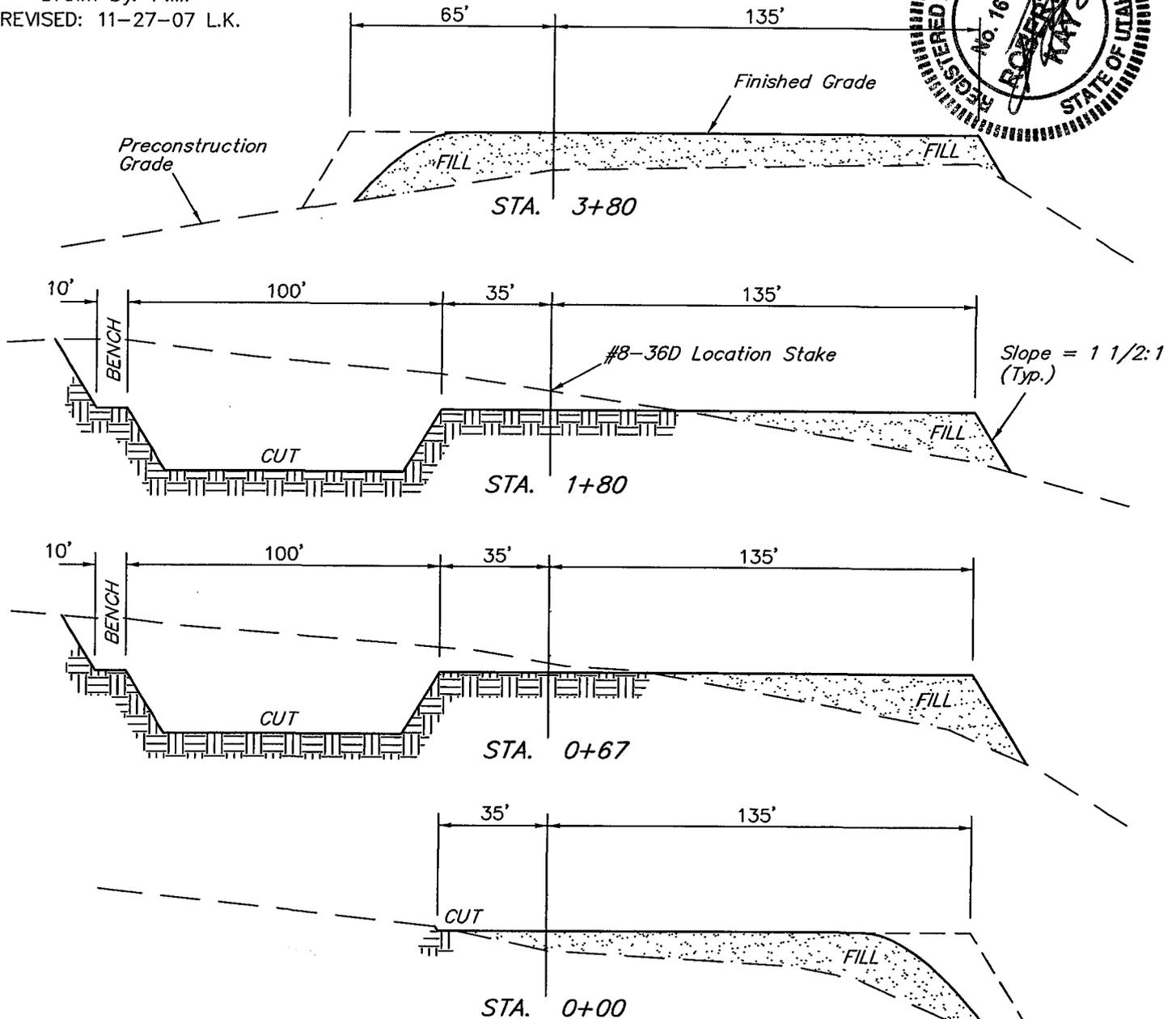
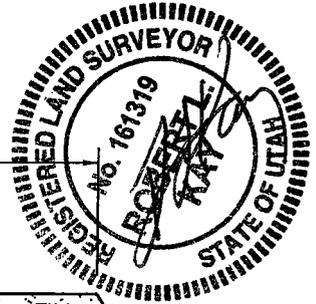
KINGS CANYON #8-36D & #7-36D  
SECTION 36, T10S, R18E, S.L.B.&M.  
SW 1/4 NE 1/4

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

DATE: 06-28-06

Drawn By: P.M.

REVISED: 11-27-07 L.K.



**NOTE:**

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

**\* NOTE:**

FILL QUANTITY INCLUDES 5% FOR COMPACTION

**APPROXIMATE YARDAGES**

<b>CUT</b>	
(6") Topsoil Stripping	= 2,020 Cu. Yds.
Remaining Location	= 10,340 Cu. Yds.
<b>TOTAL CUT</b>	<b>= 12,360 CU.YDS.</b>
<b>FILL</b>	<b>= 8,450 CU.YDS.</b>

EXCESS MATERIAL	= 3,910 Cu. Yds.
Topsoil & Pit Backfill (1/2 Pit Vol.)	= 3,910 Cu. Yds.
EXCESS UNBALANCE (After Interim Rehabilitation)	= 0 Cu. Yds.

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**XTO ENERGY, INC.**  
**KINGS CANYON #7-36D & #8-36D**  
 LOCATED IN UINTAH COUNTY, UTAH  
 SECTION 36, T10S, R18E, S.L.B.&M.

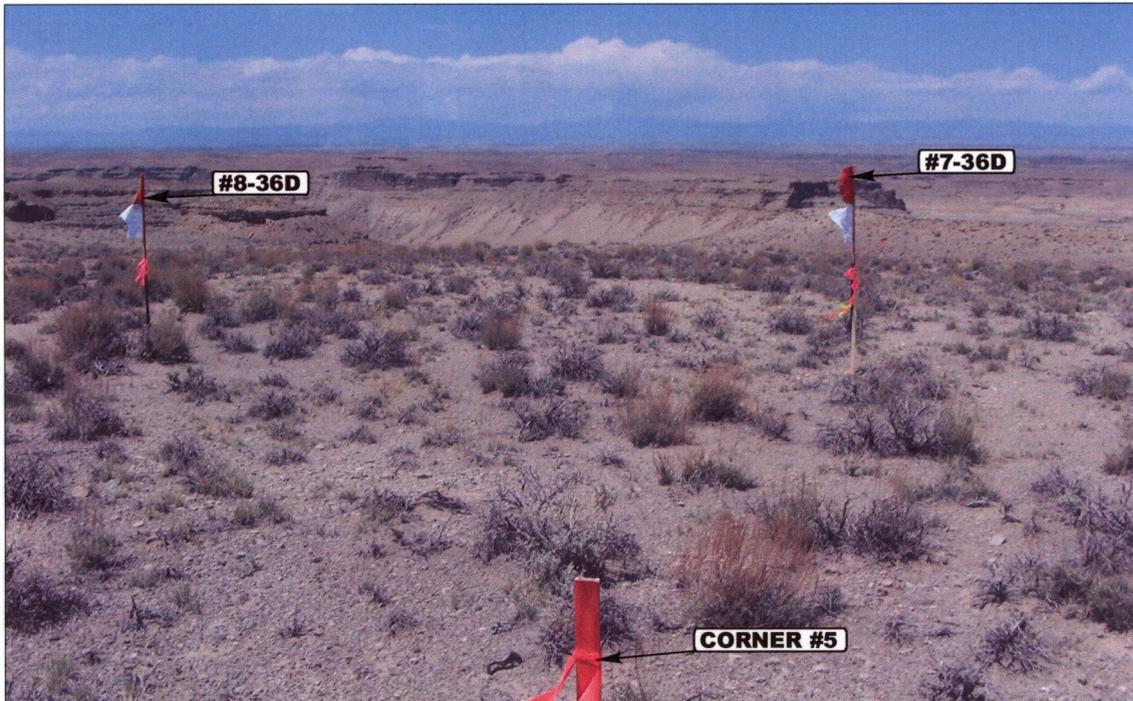


PHOTO: VIEW FROM CORNER #5 TO LOCATION STAKE

CAMERA ANGLE: NORTHERLY

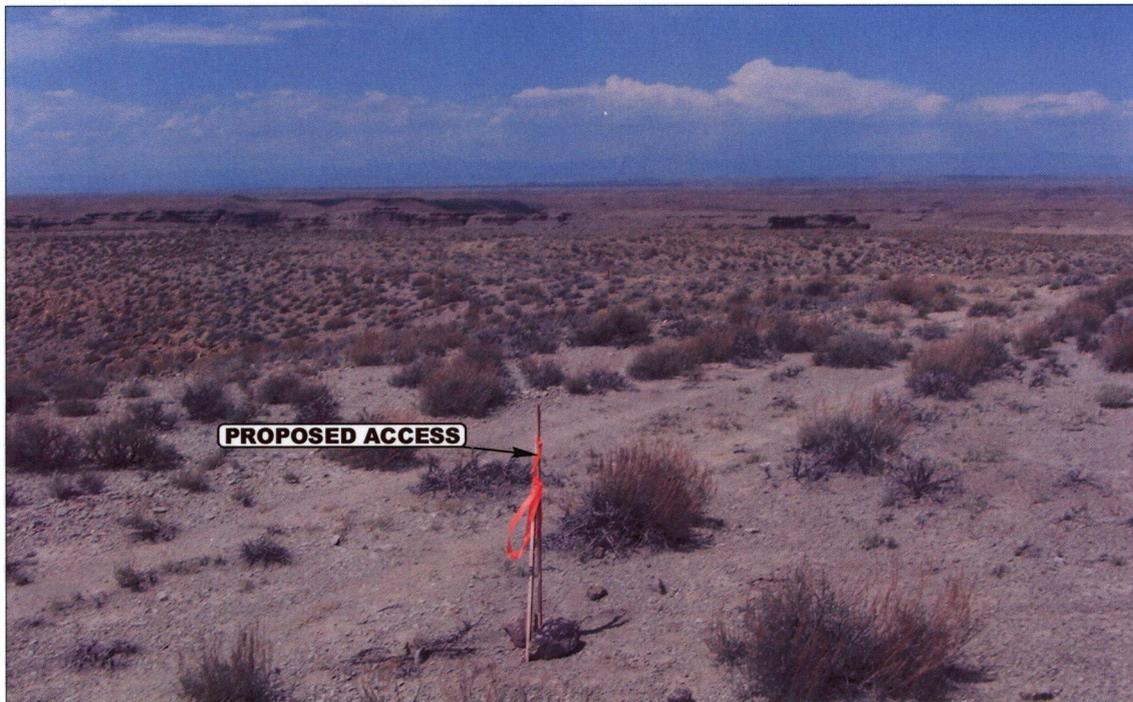


PHOTO: VIEW FROM BEGINNING OF PROPOSED ACCESS

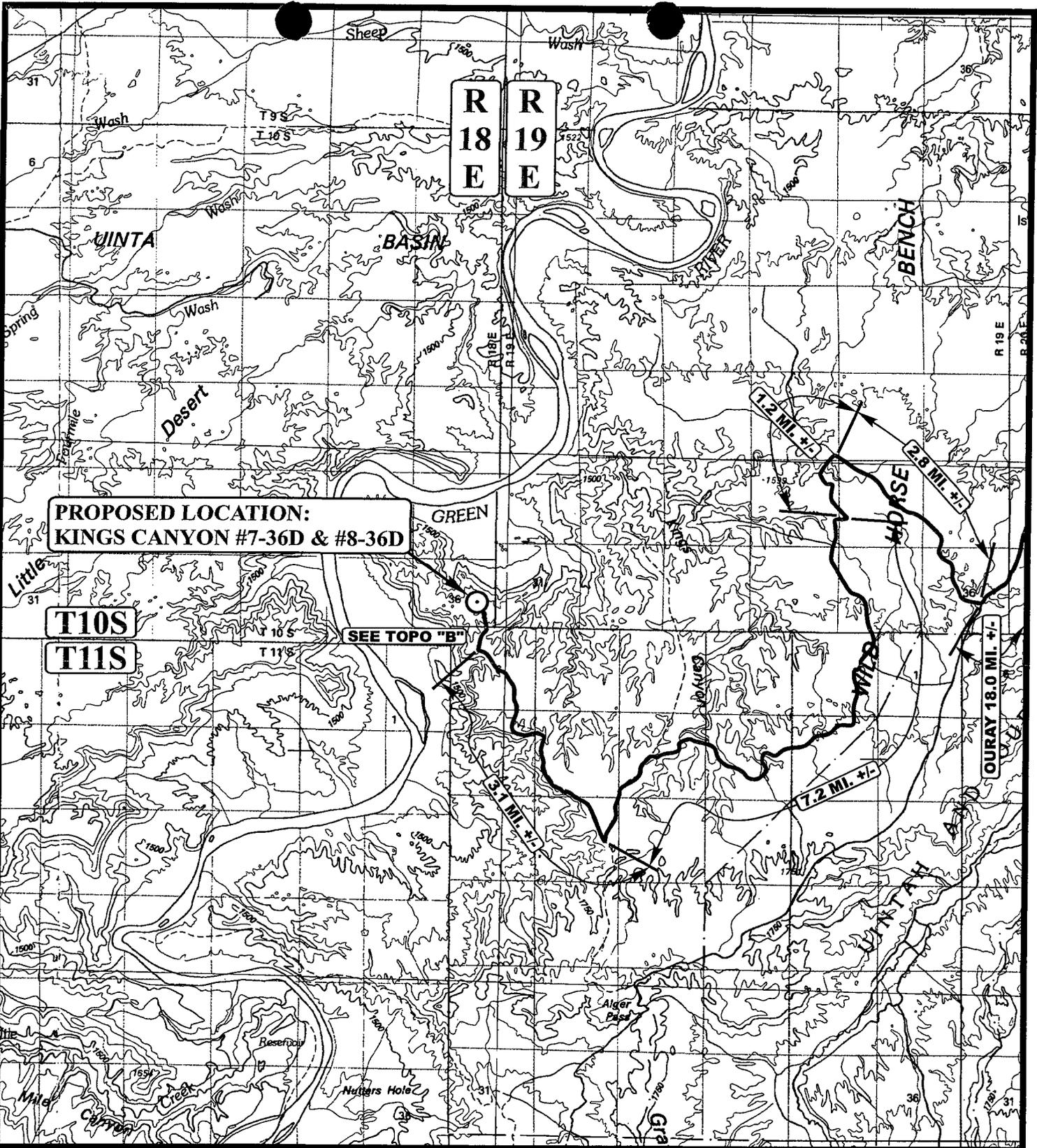
CAMERA ANGLE: NORTHERLY



- Since 1964 -

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

<b>LOCATION PHOTOS</b>	<b>06</b>	<b>26</b>	<b>06</b>	<b>PHOTO</b>
	MONTH	DAY	YEAR	
TAKEN BY: P.J.	DRAWN BY: C.P.	REV: 11-28-07 C.C.		



**PROPOSED LOCATION:  
KINGS CANYON #7-36D & #8-36D**

**T10S  
T11S**

**R18E  
R19E**

SEE TOPO "B"

**LEGEND:**

○ PROPOSED LOCATION



**XTO ENERGY, INC.**

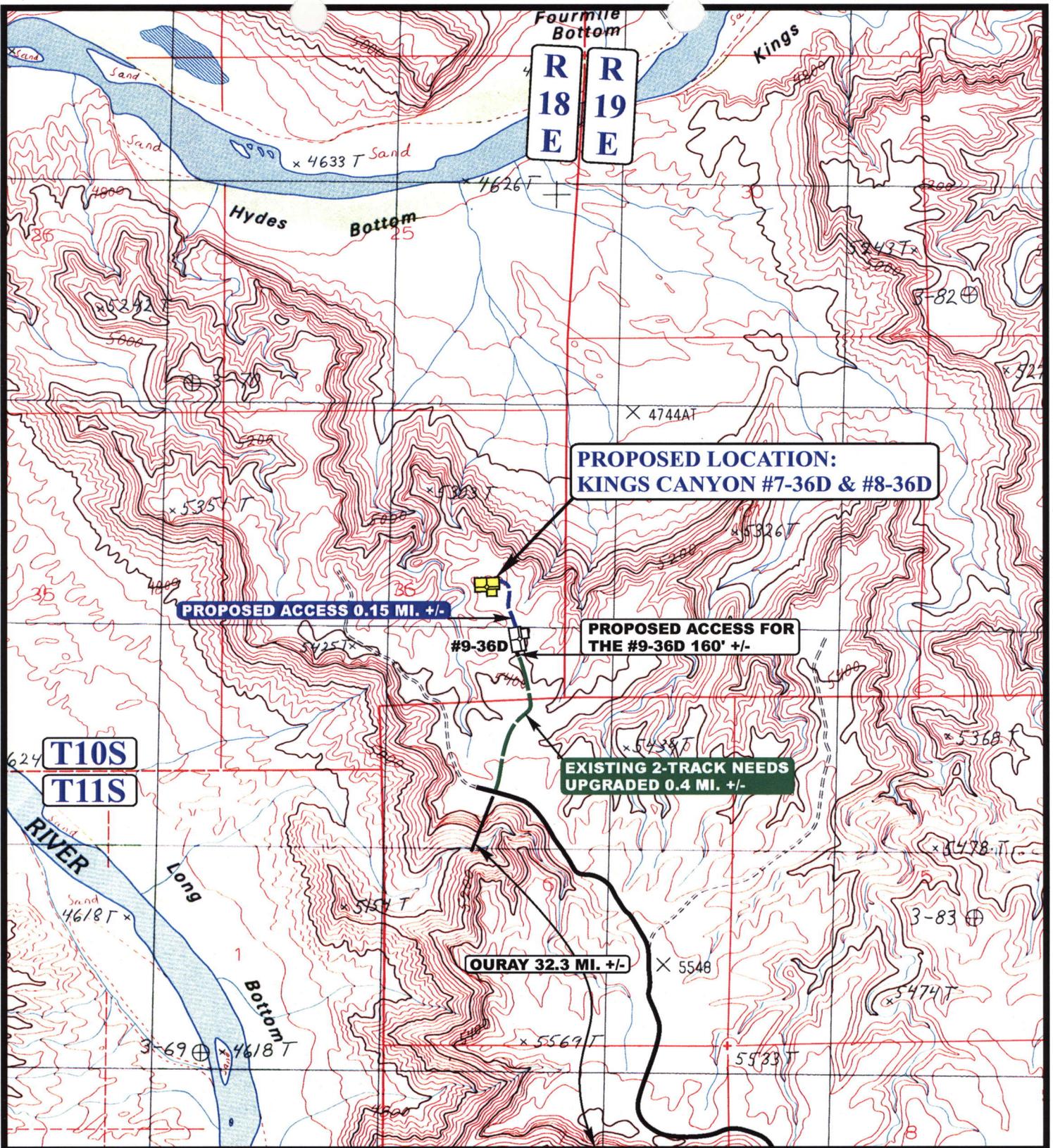
**KINGS CANYON #7-36D & #8-36D  
SECTION 36, T10S, R18E, S.L.B.&M.  
SE 1/4 NE 1/4**



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

<b>TOPOGRAPHIC</b>	<b>06</b>	<b>26</b>	<b>06</b>
<b>MAP</b>	MONTH	DAY	YEAR
SCALE: 1:100,000	DRAWN BY: C.P.		REV: 11-28-07 C.C.





**LEGEND:**

- EXISTING ROAD
- PROPOSED ACCESS ROAD
- EXISTING 2-TRACK NEEDS UPGRADED



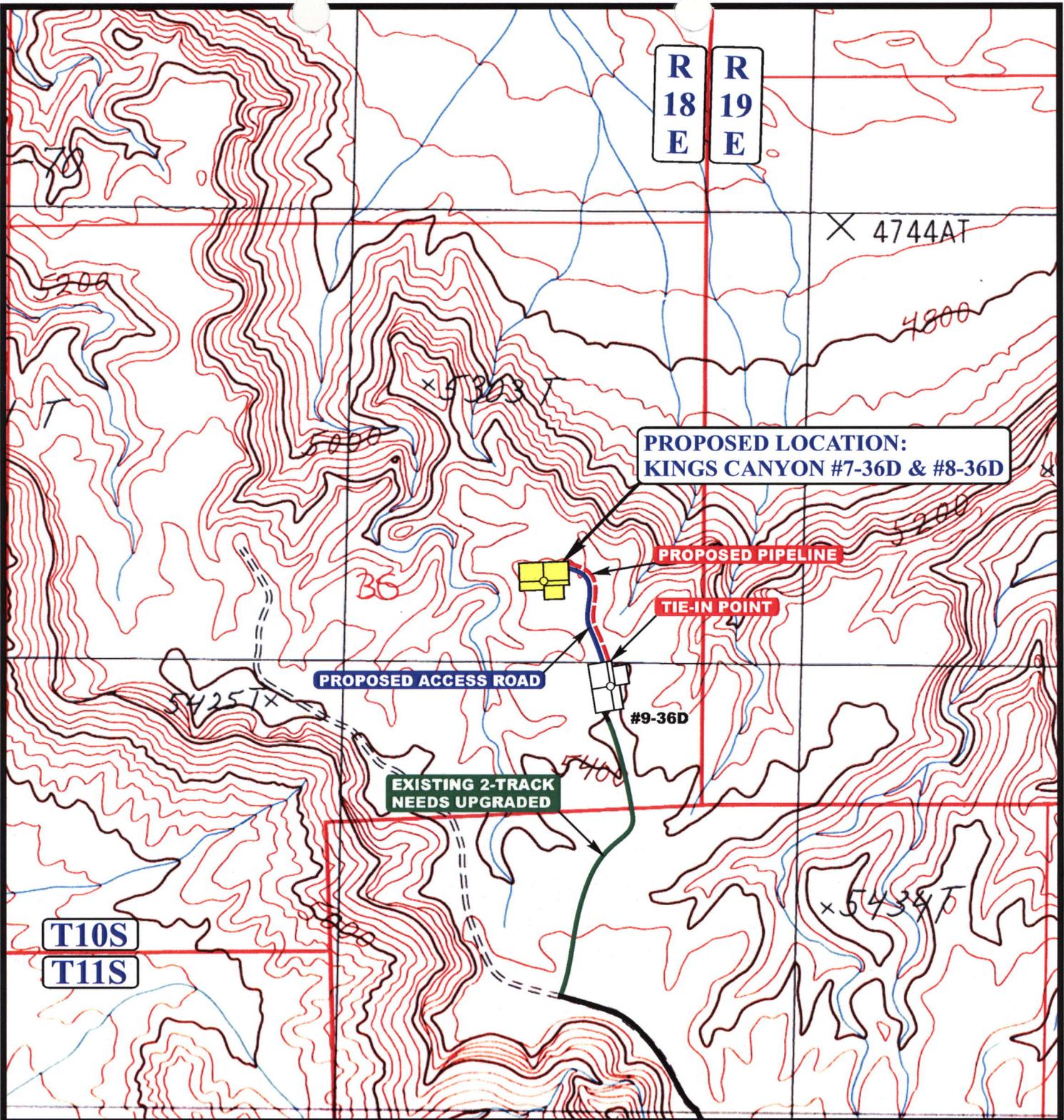
**XTO ENERGY, INC.**

**KINGS CANYON #7-36D & #8-36D**  
**SECTION 36, T10S, R18E, S.L.B.&M.**  
**SE 1/4 NE 1/4**

**UELS** Uintah Engineering & Land Surveying  
 85 South 200 East Vernal, Utah 84078  
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**TOPOGRAPHIC MAP** **06 26 06**  
 MONTH DAY YEAR  
 SCALE: 1" = 2000' DRAWN BY: C.P. REV: 11-28-07 C.C. **B TOPO**





**APPROXIMATE TOTAL PIPELINE DISTANCE = 800' +/-**

**LEGEND:**

- PROPOSED ACCESS ROAD
- - - - - PROPOSED PIPELINE

**XTO ENERGY, INC.**

**KINGS CANYON #7-36D & #8-36D  
SECTION 36, T10S, R18E, S.L.B.&M.  
SE 1/4 NE 1/4**

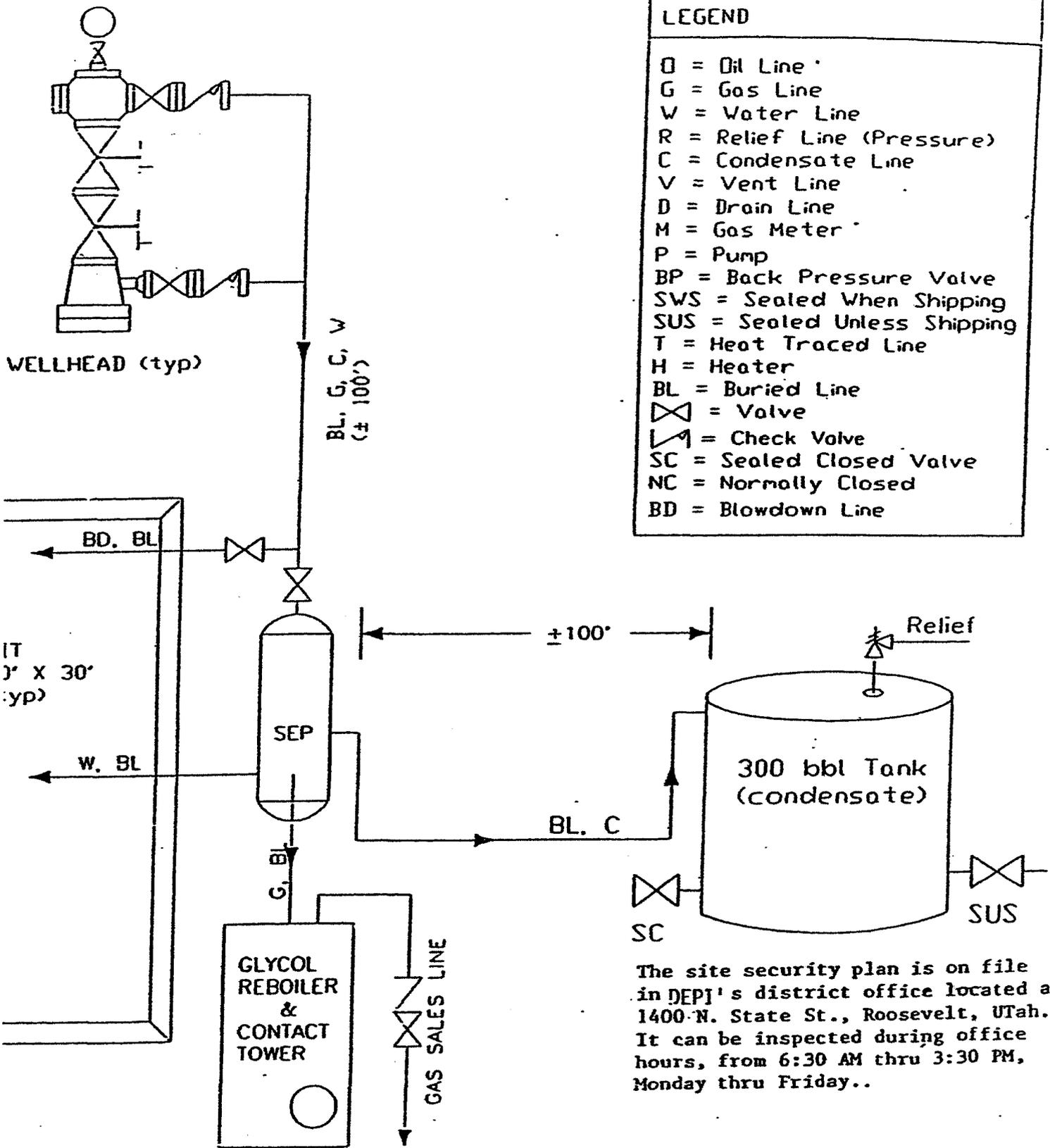


**Uintah Engineering & Land Surveying**  
85 South 200 East Vernal, Utah 84078  
(435) 789-1017 \* FAX (435) 789-1813

**TOPOGRAPHIC MAP** 06 26 06  
MONTH DAY YEAR

SCALE: 1" = 1000' DRAWN BY: C.P. REV: 11-28-07 C.C.





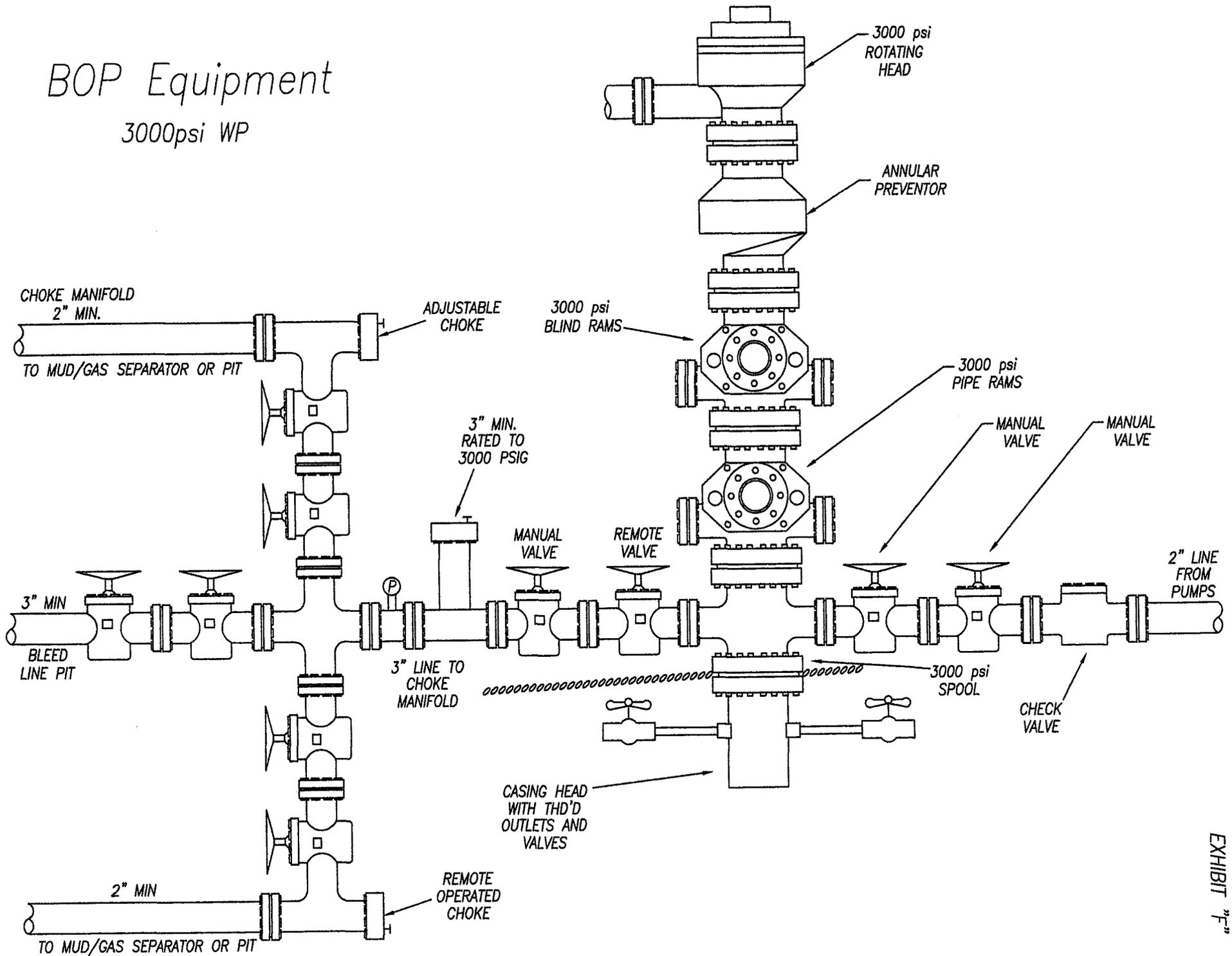
**LEGEND**

- 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..

# BOP Equipment

3000psi WP



Dominion Exploration & Production, Inc.  
Kings Canyon #8-36D: A Cultural  
Resource Inventory for a well  
its access and pipeline,  
Uintah County, Utah.

By  
CJ Truesdale  
And  
James A. Truesdale

James A. Truesdale  
Principal Investigator

Prepared For  
Dominion Exploration & Production, Inc.  
1400 State Street  
P.O. Box 1360  
Roosevelt, Utah  
84066

Prepared By  
AN INDEPENDENT ARCHAEOLOGIST  
P.O.Box 153  
Laramie, Wyoming  
82073

Utah Project # U-05-AY-470(s)

August 31, 2006

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## Introduction

An Independent Archaeologist (AIA) was contacted by a representative of Dominion Exploration & Production, Inc., to conduct a cultural resources investigation of the proposed Kings Canyon #8-36D well, its access and pipeline. The location of the project area is the SE/NE 1/4 of Section 36, T10S, R18E Uintah County, Utah (Figure 1).

The proposed Kings Canyon #8-36D well's centerstake footage (Alternate #1) is 2598' FNL, 1122' FEL. The proposed Kings Canyon #8-36D well's centerstake Universal Transverse Mercator (UTM) centroid coordinate is Zone 12, North American Datum (NAD) 83, 05/99/378.89 mE 44/17/383.01 mN + 5m.

From an existing oil and gas field service road the proposed access and pipeline parallel each other, and trend west then north 1000 feet (304.8 m) to the proposed KC #8-36D well pad.

The land is administered by the Utah School Institutional Trust Land Administration (SITLA). A total of 14.58 acres (10 block, 4.58 linear) was surveyed. The fieldwork was conducted on July 11, 2006 by AIA archaeologists James Truesdale and CJ Truesdale. All the field notes and maps are located in the AIA office in Laramie, Wyoming.

## File Search

A file search was conducted by the Office of the Utah Division of State History (UDSH), Antiquities Section, Records Division on April 11, 2006. An additional file search was conducted at the Vernal BLM office in April of 2005 by the authors. An update of AIA's USGS 7.5'/1985 Moon Bottom quadrangle map from the UDSH's Moon Bottom quadrangle base map occurred on November 8, 2003 and again on February 3, 2004. UDSH SHPO GIS files search results indicate that no projects and/or cultural materials (sites, isolates) have been previously recorded in the immediate project area.

However, review of AIA records and maps indicate that three projects have been previously conducted in Section 36 of T20S R18E. In addition, three sites (42UN1949, 42UN1950 and 42UN5410) have been previously recorded

Site 42UN1949 is a rock cairn that contains 25 to 35 sandstone slabs and bocks that have been stacked around and leaned against a upright long, rectangular, sandstone block. The site's National Register status is recorded as unevaluated.

Site 42UN1950 is a rock cairn that contains 15 to 20 sandstone slabs and bocks that have been stack around and leaned

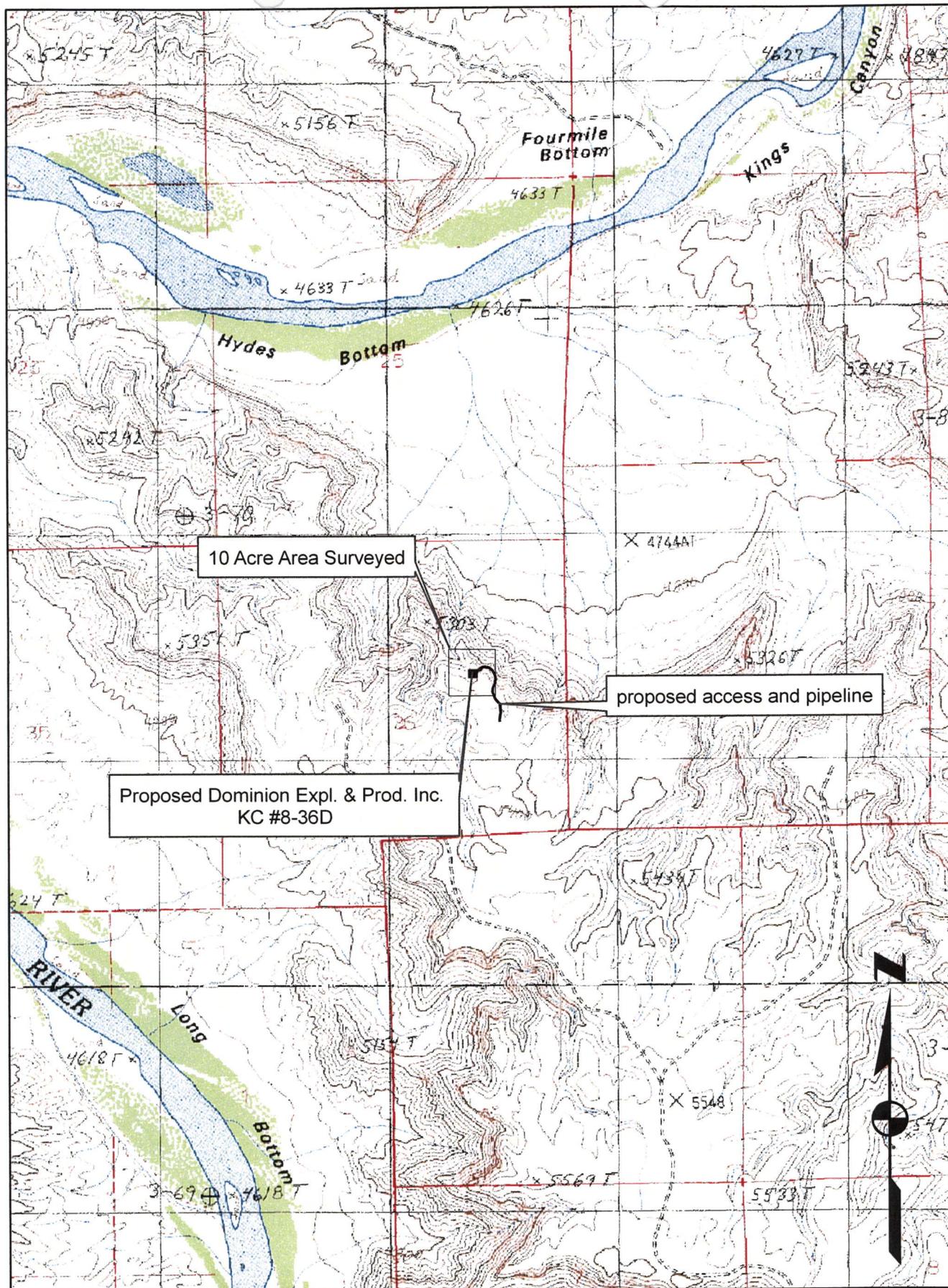


Figure 1. Location of the proposed Dominion Expl & Prod. Inc., Kings Canyon #8-36D well, its access, and pipeline on USGS 7/5' /1964 Quadrangle map Moon Bottom, Duchesne County, Utah.

against a upright long, rectangular, sandstone block. The site's National Register Status is considered to be unevaluated.

Site 42UN5410 is a historic temporary camp that contains three rock cairns. One of the rock cairns contains a tobacco can that olds a mineral 'Notice of Location' for the Mink Coat #1 dated 1956 by a Leslie L. Howard. Several rock cairns in the area hold similar characteristics of a upright rock in the center of a rock pile have been found on other sites in the Wild Horse Bench and Kings Canyon area.

Both of the sites (42UN1949 and 42UN1950) National Register status is evaluated as unevaluated and recorded as potentially significant due to the fact that they may have Native American traditional cultural significance. However, other rock cairns recorded by AIA in the Wild Horse Bench and Kings Canyon area exhibit the same characteristics of having a upright rock in the center of a rock pile. Many of these rock cairns contain tobacco cans that hold a mineral 'Notice of Location' affidavits that are associated with mineral exploration in the 1950's. Thus these cairns are not associated with any Native American traditions.

#### Environment

Physiographically, the project is located in the Kings Canyon area west of the Wild Horse Bench in the Uinta Basin, 16 miles south of Ouray, Utah. The Uinta Basin is structurally the lowest part of the Colorado Plateau geographical province (Thornbury 1965:425). The Uinta Basin is a large, relatively flat, bowl shaped, east-west asymmetrical syncline near the base of the Uinta Mountains. The topography is characteristic of sloping surfaces that incline northward and are mainly dip slopes on the harder layers of Green River and Uinta Formations (Stokes 1986). A thick section of more than 9000 feet (2743.9 m) of early Tertiary rocks are exposed (Childs 1950). These rocks are mainly Paleocene and Eocene in age and consist of sandstone, clay and shale lacustrine, fluvial, and deltaic continental deposits, most famous of which are the lacustrine Green River Beds.

The immediate project area is situated on high desert hills and benches about 2 miles southeast of the Green River on the west side of Kings Canyon. The area is characterized as having steep ridges and/or buttes of thick Uinta Formation sandstone, with layers of clays and shale. The hills, ridges and buttes are dissected by several steep ephemeral drainage washes with wide flat alluvial plains. Portions of the desert hardpan and bedrock are covered with various sizes of residual angular to tabular pieces of eroding sandstone, clay and shale. Many of the higher hills and ridges exhibit ancient terrace (pediment) surfaces containing pebble and cobble gravel. Some of these pebbles and cobbles exhibit a dark brown to black desert varnish (patination).

In addition, many of the hills and ridge slopes are covered with aeolian sand that may reach a depth of 100 to 150 cm.

Vegetation in the Kings Canyon area is characteristic of a low sagebrush community with saltbush and greasewood. Species observed in the project area include; big sagebrush (Artemesia tridentata), shadscale (Atriplex confertifolia), saltbush (Atriplex nuttallii), rabbitbrush (Chrysothamnus viscidiflorus), winterfat (Eurotia lanata), greasewood (Sarcobatus baileyi), wild buckwheat, (Eriogonum ovalifolium), desert trumpet (Eriogonum inflatum), Indian rice grass (Oryzopsis hymenoides), western wheatgrass (Agropyron smithii), spiked wheatgrass (Agropyron sp.), crested wheatgrass (Agropyron cristatum), June grass (Koeleria cristata), cheat grass (Bromus tectorum), needleandthread (Hesperostipa comata), Sego Lilly (Calochortus nuttallii), desert globemallow (Bromus tectorum), lupine (Lupinus sp.), larkspur (Delphinium sp.), Indian paintbrush (Castilleja chromosa), desert daisy (Xylorhiza nuttallii), desert pincushion (Chaenactis stevioides), peppergrass (Lepidium perfoliatum), scalloped phacelia (Phacelia intergrifoliana), birdsage evening primrose (Oenothera deltoides), Yellow bee plant (Cleome lutea), Russian thistle (Salsola kali), Russian knapweed (Centaurea repens), wild garlic (Allium canadense), Tansy mustard (Descurainia incisa), Juniper (Juniperus scopulorum) and prickly pear cactus (Opuntia sp.). In addition, a riparian community dominated by cottonwood (Populus sp.), willow (Salix sp.), and salt cedar (tamerix) can be found along the Green River located approximately 2 miles northwest.

#### Kings Canyon #8-36D

The proposed KC #8-36D well pad is situated on a small relatively flat bench on top of a south to north trending ridge (Figure 2). The well pad location is part of an upland bench system of ridges and drainages that drain northeast into Hydes Bottom which feeds into the Green River about 1 mile to the north. Sediments on the well location are scarce and mainly colluvial in nature. These colluvial deposits consist of shallow (< 5 cm), tan to brown, poorly sorted, moderately compacted, sandy clay loam, mixed with small angular pieces of sandstone, clay and shale (Figure 3). Exposed and eroding sandstone, clay and shale bedrock dominates the ridge. Vegetation consists of low sagebrush, rabbitbrush, saltbush, greasewood, bunchgrasses (wheatgrass, cheat grass, Indian rice-grass), desert globemallow, barrel and prickly pear cactus. The proposed well location is 5366.08 feet (1636 m) AMSL.

From an existing oil and gas field service road and pipeline, the proposed access and pipeline trend 1000 feet (304.8 m) north across the top (crest) of a south to north trending ridge to the proposed well pad. The proposed access and pipeline parallel each

other to the proposed well pad. Sediments along the access and pipeline consist of a shallow (<5 cm), finely to poorly sorted, moderately compacted colluvial mixture of sandy clay loam. These colluvial deposits overlie sandstone, clay and shale bedrock. Vegetation along the access and pipeline is sparse and consists of low sagebrush, greasewood, rabbitbrush, saltbush, desert globemallow, bunchgrasses (wheatgrass, cheat grass, Indian rice-grass), and prickly pear cactus.



Figure 2. View to north at the proposed KC #8-36D centerstake and well pad area.

### Field Methods

A total of 10 acres was surveyed around the centerstake of the proposed Kings Canyon #8-36D well location to allow for relocation of the pad if necessary. The survey was accomplished by walking transects spaced no more than 15 meters apart. The proposed access and pipeline corridor parallel each other. Each of these linear corridors surveyed is 1000 feet (304.8 m) long and 100 feet (30.4 m) wide, 2.29 acres. Thus, 4.58 linear acres was surveyed.

Geologic landforms (rock shelters, alcoves, ridge tops and saddles) and areas of subsurface exposure (ant hills, blowouts, rodent holes and burrow, eroding slopes and cut banks) were

examined with special care in order to locate cultural resources (sites, isolates) and possibly help assess a site's sedimentary integrity and potential for the presence and/or absence of buried intact cultural deposits. All exposures of sandstone cliff faces, alcoves or rock shelters, and talus slopes were surveyed.



Figure 3. Oblique view of the colluvial deposits on and surrounding the proposed KC #8-36D well pad area.

When cultural materials are discovered, a more thorough survey of the immediate vicinity is conducted in order to locate any associated artifacts and to determine the horizontal extent (surface area) of the site. If no other artifacts are located during the search then the initial artifact was recorded as an isolated find. At times, isolated formal tools (typical end scrapers, projectile points) were drawn and measured. The isolate was then described and its location plotted on a U.S.G.S. topographic map and UTM coordinates are recorded.

When sites are found an Intermountain Antiquities Computer System (IMACS) form was used to record the site. At all sites, selected topographic features, site boundaries, stone tools and cultural features (hearths, foundations, trash dumps and trails) are mapped. Sites were mapped with a Brunton compass, Trimble Geophysical 3 and/or Garmin E-Trex GPS units, and pacing off distances from a mapping station (datum, PVC with aluminum tag).

All debitage is inventoried using standard recording techniques (Truesdale et al 1995:7) according to material type, basic flake type, and so on. Selected (mostly complete) stone tools and projectile points are drawn and measured. All features (rockart panel(s), hearths, foundations, trash dumps and trails) are measured and described, while selected features are either drawn or photographed.

Site location data is recorded by a Trimble GeoExplorer 3 Global Positioning System (GPS) and Garmin GPS III Plus and/or a E-Trex GPS. Site elevation and Universal Transverse Mercator (UTM) grid data, its Estimated Position Error (EPE) and Dilution of Precision (DOP) were recorded. Using the GPS data, the site location was then placed on a USGS 7.5' quadrangle map.

### Results

A total of 14.58 (10 block, 4.58 linear) acres were surveyed for cultural resources by AIA within and around the proposed Dominion Exploration & Production, Inc. Kings Canyon #8-36D well, and along its access and pipeline. No cultural resources (sites, isolates) were recorded during the survey for the proposed KC #8-36D well, its access and pipeline.

A moderate scatter of modern trash (plastic bottles, sanitary food cans, miscellaneous metal, wire, green, brown and clear glass bottles and bottle fragments, foam insulation, etc.) can be found on and surrounding the existing roads in the Kings Canyon area.

### Recommendations

A total of 14.58 (10 block, 4.58 linear) acres were surveyed for cultural resources by AIA within and around the proposed Dominion Exploration & Production, Inc. Kings Canyon #8-36D well, and along its access and pipeline. . No cultural resources (sites, isolates) were recorded during the survey for the proposed KC #8-36D well, its access and pipeline.

A moderate scatter of modern trash (plastic bottles, sanitary food cans, miscellaneous metal, wire, green, brown and clear glass bottles and bottle fragments, foam insulation, etc.) can be found on and surrounding the existing roads in the Kings Canyon area.

Sediments on and surrounding the proposed well pad, and along its access and pipeline are shallow. Therefore, the possibility of buried and/or intact cultural materials on the proposed well pad or along its access and pipeline is low. No archaeological sites will be impacted by subsequent construction of the well its access and pipeline. No additional cultural resources (historic properties, isolates) were recorded during the survey for the proposed KC #8-36D well, its access and pipeline. Therefore, no

additional archaeological work is necessary and clearance is recommended for the construction of the Kings Canyon #5-36D well pad, its access, and pipeline.

## REFERENCES CITED

Childs, O.E.

1950 Geologic history of the Uinta Basin, Utah Geological and Mineralogical Survey. Guidebook to the Geology of Utah, No. 5:49-59.

Stokes, William D.

1986 Geology of Utah. Contributions by the Utah Museum of Natural History, and the Utah Geological and Mineral Survey Department of Natural Resources. Utah Museum of Natural History, Occasional Papers, No. 6.

Thornbury, William D.

1965 Regional Geomorphology of the United States. John Wiley & Sons, Inc.

Truesdale, James A., Kathleen E Hiatt, and Clifford Duncan

1995 Cultural Resource Inventory of the Proposed Ouray Gravel Pit Location, Uintah-Ouray Ute Reservation, Uintah County, Utah. Report prepared for U & W Construction, Ft. Duchesne, Utah by AIA, Laramie, Wyoming.

United States, Department of Interior

1990 National Register Bulletin: How to Apply the National Register Criteria for Evaluation; Technical information on the National Register of Historic Places: survey, evaluation, registration, and preservation of cultural resources. Based on work conducted under a cooperative agreement with the National Conference of State Historic Preservation Officers and the U.S. Department Of Interior, National Park Service.

# PALEONTOLOGY EVALUATION SHEET

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**PROJECT:** (173 and 174) Dominion Well **King Canyon #7-36D & 8-36D**

**LOCATION:** Fifteen miles southwest of Ouray, Utah. SE ¼ NE ¼ Section 36, T10S, R18E, Uintah County, Utah.

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

**DATE:** July 30, 2006

**GEOLOGY/TOPOGRAPHY:** Uinta Formation, lower part, Eocene Age. The location is out on the edge of the bench with a draw on the west and small draw on the east. There are rock exposures on the west side. The rest of the location has weathering rock fragments and silty sand.

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

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

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

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

There is always some potential for finding significant fossils when working 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 # 04-339, BLM paleontological Resources Permit # UT-S-05-02,  
Ute Tribe Access Permits – 03/31/06 & 09/30/06. Utah Professional Geologist License – 5223011-2250.*

**WORKSHEET  
APPLICATION FOR PERMIT TO DRILL**

APD RECEIVED: 12/24/2007

API NO. ASSIGNED: 43-047-39892

WELL NAME: KC 8-36D  
 OPERATOR: XTO ENERGY INC ( N2615 )  
 CONTACT: DON HAMILTON

PHONE NUMBER: 435-722-4521

PROPOSED LOCATION:

SWNE 36 100S 180E  
 SURFACE: 2598 FNL 1122 FEL  
 BOTTOM: 2100 FNL 0650 FEL  
 COUNTY: UINTAH  
 LATITUDE: 39.90073 LONGITUDE: -109.8367  
 UTM SURF EASTINGS: 599447 NORTHINGS: 4417178  
 FIELD NAME: UNDESIGNATED ( 2 )

INSPECT LOCATN BY: / /		
Tech Review	Initials	Date
Engineering	DKD	6/30/08
Geology		
Surface		

LEASE TYPE: 3 - State  
 LEASE NUMBER: ML-47058  
 SURFACE OWNER: 3 - State

PROPOSED FORMATION: WSMVD  
 COALBED METHANE WELL? NO

RECEIVED AND/OR REVIEWED:

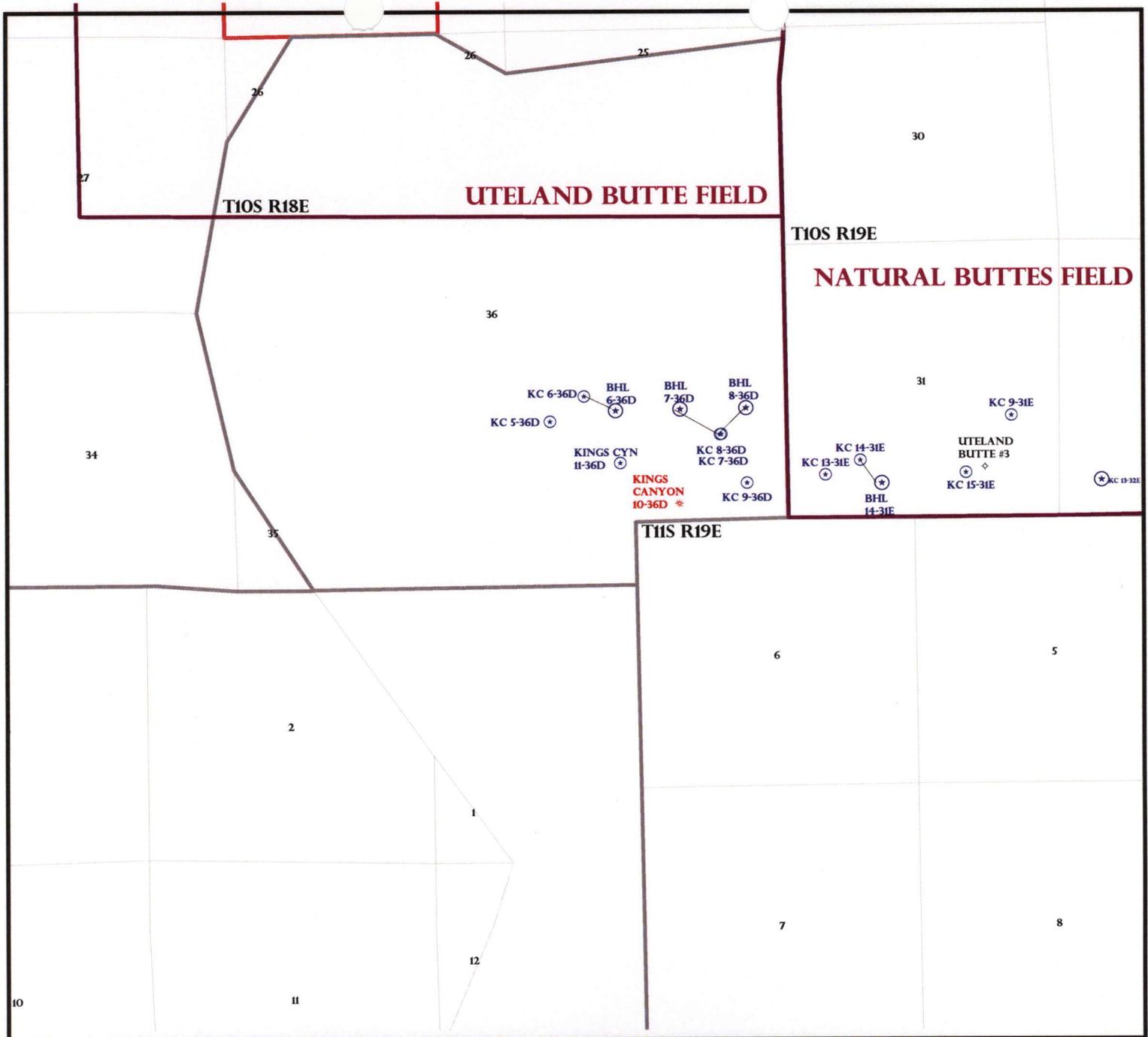
- Plat
- Bond: Fed[] Ind[] Sta[] Fee[]  
(No. 104312762 )
- Potash (Y/N)
- Oil Shale 190-5 (B) or 190-3 or 190-13
- Water Permit  
(No. 43-10447 )
- RDCC Review (Y/N)  
(Date: \_\_\_\_\_ )
- Fee Surf Agreement (Y/N)
- Intent to Commingle (Y/N)

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: Needs Permit (04-08-08)

STIPULATIONS: 1- Spacing Strip  
2- STATEMENT OF BASIS  
3- Surface Csg Cont Strip



OPERATOR: XTO ENERGY INC (N2615)

SEC: 36 T.10S R. 18E

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: 03-JANUARY-2008

# Application for Permit to Drill

## Statement of Basis

4/10/2008

Utah Division of Oil, Gas and Mining

Page 1

APD No	API WellNo	Status	Well Type	Surf Ownr	CBM
657	43-047-39892-00-00		GW	S	No
<b>Operator</b>	XTO ENERGY INC	<b>Surface Owner-APD</b>			
<b>Well Name</b>	KC 8-36D	<b>Unit</b>			
<b>Field</b>	UNDESIGNATED	<b>Type of Work</b>			
<b>Location</b>	SWNE 36 10S 18E S FL FL GPS Coord (UTM) 599447E 4417178N				

### Geologic Statement of Basis

XTO proposes to set 500 feet of surface casing cemented to the surface. An intermediate string is to be set at 3,600 feet. This will add additional isolation of the base of the moderately saline ground water. The base of the moderately saline water is estimated at 4,800 feet. A search of Division of Water Rights records shows no water wells within a 10,000 foot radius of the proposed location. The surface formation at this location is the Uinta Formation. The Uinta Formation is made up of discontinuous sands interbedded with shales and are not expected to produce prolific aquifers. The proposed Casing and cement program should adequately protect usable ground water.

Brad Hill

APD Evaluator

4/9/2008

Date / Time

### Surface Statement of Basis

The general area is the Kings Canyon drainage of Wild Horse Bench located approximately 33.3 road miles southwest of Ouray, Utah. Wild Horse Bench is a large open flat area with somewhat steep and frequent side-draws draining to the west toward the Green River and the northeast toward Willow Creek. No seeps, springs or streams are known to exist in the area. An occasional pond constructed to furnish water for livestock exists. The Uintah and Ouray Indian Reservation is to the east. Existing Uintah County or oilfield development roads to within 0.55 miles of the pad, which will require new construction, access the location.

The KC 7-36D and KC 8-36D proposed gas wells are directional wells to be drilled from the same pad. The location is on the south edge of Kings Canyon. The pad will be constructed on the edge of a bench that breaks off into moderately deep swales on the northeast and south. These draws are rugged and join into a deep canyon that is sub-drainage of Kings Canyon. The south portion of the site will be excavated with the fill being moved north to form the pad. Only a moderate amount of cut and fill will be required for pad construction. No diversions are needed around the completed pad. The Green River is approximately 1 1/2 miles down drainage to the west. The site has a fair native desert shrub-grass vegetation cover. Surface run-off is light.

Both the surface and minerals are owned by SITLA. Mr. Jim Davis represented SITLA at the pre-site. Mr. Davis had no concerns regarding the proposed location. The site appears to be a suitable location for constructing a pad, drilling and operating a well and the only site in the immediate area.

Ben Williams representing the UDWR stated the area is classified as yearlong critical habitat for antelope but water not forage is the factor limiting the growth of the herd. It is also classified as limited value yearlong habitat for deer and elk. Mr. Williams did not recommend any restrictions for any of these species. He furnished Jim Davis of SITLA and Ken Secrest of XTO copies of his evaluation and a recommended seed mix to be used when the site is re-vegetated.

Floyd Bartlett

Onsite Evaluator

4/3/2008

Date / Time

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# Application for Permit to Drill

## Statement of Basis

4/10/2008

Utah Division of Oil, Gas and Mining

Page 2

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### Conditions of Approval / Application for Permit to Drill

<b>Category</b>	<b>Condition</b>
Pits	A synthetic liner with a minimum thickness of 20 mils with a felt subliner shall be properly installed and maintained in the reserve pit.
Surface	The reserve pit shall be fenced upon completion of drilling operations.

# ON-SITE PREDRILL EVALUATION

## Utah Division of Oil, Gas and Mining

**Operator** XTO ENERGY INC  
**Well Name** KC 8-36D  
**API Number** 43-047-39892-0 **APD No** 657 **Field/Unit** UNDESIGNATED  
**Location:** 1/4,1/4 SWNE **Sec** 36 **Tw** 10S **Rng** 18E **FL** FL  
**GPS Coord (UTM)** 599443 4417178 **Surface Owner**

### Participants

Floyd Bartlett (DOGM), Jim Davis (SITLA), Ken Secrist, and Zander McIntire (XTO Energy, INC.), Ben Williams (UDWR), Brandon Bowthorpe (U.E.L.S.), Billy McClure (LaRose Construction), Randy Jackson (Jackson Construction)

### Regional/Local Setting & Topography

The general area is the Kings Canyon drainage of Wild Horse Bench located approximately 33.3 road miles southwest of Ouray, Utah. Wild Horse Bench is a large open flat area with somewhat steep and frequent side-draws draining to the west toward the Green River and the northeast toward Willow Creek. No seeps, springs or streams are known to exist in the area. An occasional pond constructed to furnish water for livestock exists. The Uintah and Ouray Indian Reservation is to the east. Existing Uintah County or oilfield development roads to within 0.55 miles of the pad, which will require new construction, access the location.

The KC 7-36D and KC 8-36D proposed gas wells are directional wells to be drilled from the same pad. The location is on the south edge of Kings Canyon. The pad will be constructed on the edge of a bench that breaks off into moderately deep swales on the northeast and south. These draws are rugged and join into a deep canyon that is sub-drainage of Kings Canyon. The south portion of the site will be excavated with the fill being moved north to form the pad. Only a moderate amount of cut and fill will be required for pad construction. No diversions are needed around the completed pad. The Green River is approximately 1 1/2 miles down drainage to the west. The site has a fair native desert shrub-grass vegetation cover. Surface run-off is light.

Both the surface and minerals are owned by SITLA. Mr. Jim Davis represented SITLA at the pre-site. Mr. Davis had no concerns regarding the proposed location. The site appears to be a suitable location for constructing a pad, drilling and operating a well and the only site in the immediate area.

### Surface Use Plan

#### **Current Surface Use**

Grazing  
Wildlfe Habitat  
Recreational

#### **New Road**

<b>Miles</b>	<b>Well Pad</b>	<b>Src Const Material</b>	<b>Surface Formation</b>
0.55	<b>Width</b> 280	Onsite	UNTA

**Ancillary Facilities** N

### Waste Management Plan Adequate?

### Environmental Parameters

**Affected Floodplains and/or Wetland** N

#### **Flora / Fauna**

Antelope, deer, elk, buffalo, coyotes, rabbits and miscellaneous small mammals and birds.

Big sage, broom snakeweed, curly mesquite, shadscale, prickly pear, curly mesquite, Indian ricegrass, halogeton, bud sage, horsebrush and annual mustard.

**Soil Type and Characteristics**

Moderately deep sandy loam surface. Some surface rock

**Erosion Issues** N

**Sedimentation Issues** N

**Site Stability Issues** N

**Drainage Diversion Required** N

**Berm Required?** N

**Erosion Sedimentation Control Required?** N

**Paleo Survey Run?** N    **Paleo Potential Observed?** N    **Cultural Survey Run?**    **Cultural Resources?**

**Reserve Pit**

<b>Site-Specific Factors</b>		<b>Site Ranking</b>
<b>Distance to Groundwater (feet)</b>	>200	0
<b>Distance to Surface Water (feet)</b>	>1000	0
<b>Dist. Nearest Municipal Well (ft)</b>	>5280	0
<b>Distance to Other Wells (feet)</b>	<300	20
<b>Native Soil Type</b>	Low permeability	0
<b>Fluid Type</b>	Fresh Water	5
<b>Drill Cuttings</b>	Normal Rock	0
<b>Annual Precipitation (inches)</b>	10 to 20	5
<b>Affected Populations</b>	<10	0
<b>Presence Nearby Utility Conduits</b>	Not Present	0
		<b>Final Score</b> 30    1 <b>Sensitivity Level</b>

**Characteristics / Requirements**

A 100' x 165' x 8' deep preserve pit will be located in an area of cut on the southeast side of the location. Sensitivity level 1. A 20 mil-liner and sub felt are both required.

**Closed Loop Mud Required?** N    **Liner Required?** Y    **Liner Thickness** 20    **Pit Underlayment Required?** Y

**Other Observations / Comments**

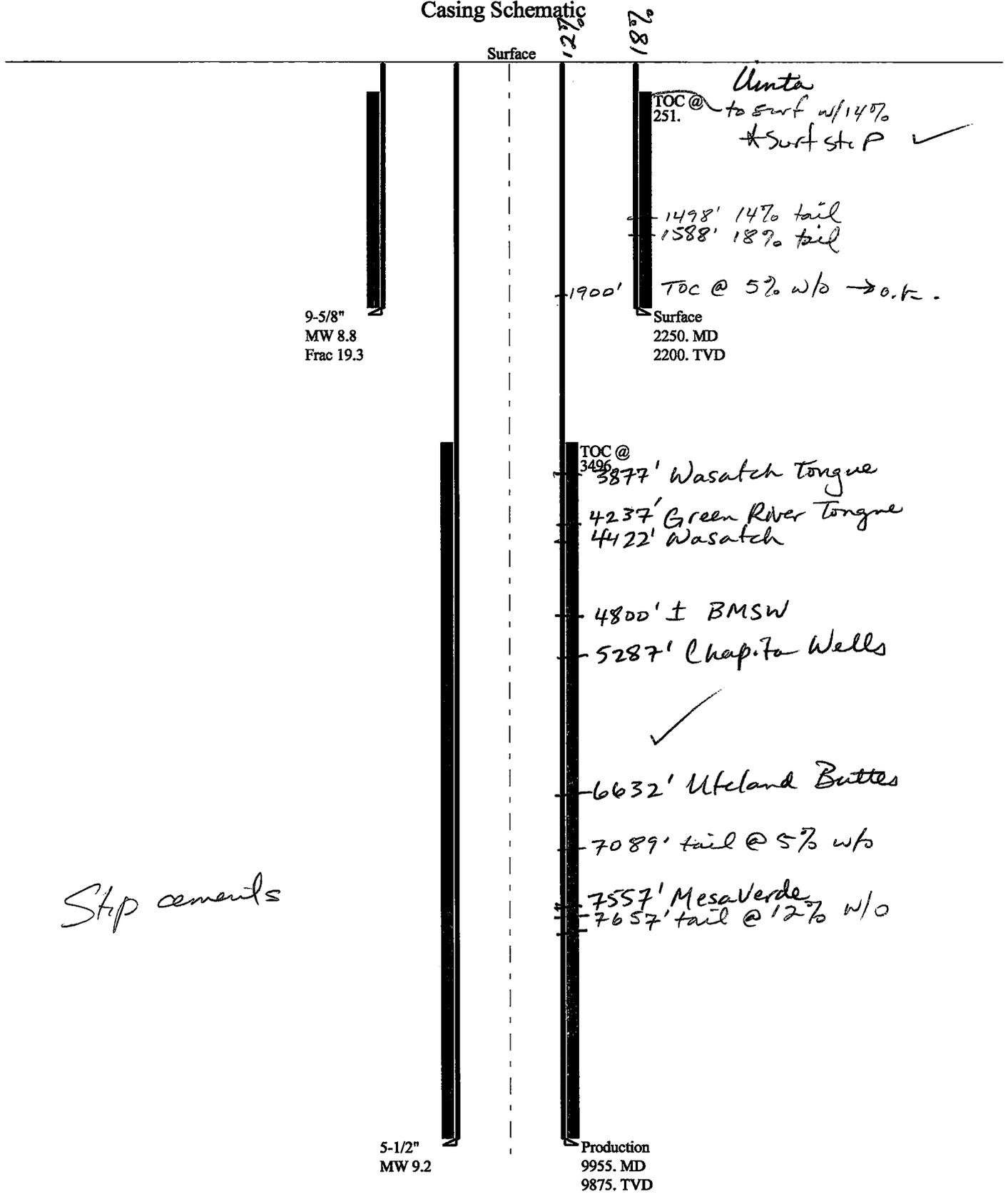
ATVS were used to access the site.

Floyd Bartlett  
**Evaluator**

4/3/2008  
**Date / Time**

2008-06 XTO KC 8-36D

Casing Schematic



Well name:	<b>2008-06 XTO KC 8-36D</b>	
Operator:	<b>XTO Energy, Inc.</b>	Project ID:
String type:	Surface	43-047-39892
Location:	Uintah Co.	

<b>Design parameters:</b>	<b>Minimum design factors:</b>	<b>Environment:</b>
<u>Collapse</u>	<u>Collapse:</u>	H2S considered? No
Mud weight: 8.800 ppg	Design factor 1.125	Surface temperature: 65 °F
Design is based on evacuated pipe.		Bottom hole temperature: 96 °F
		Temperature gradient: 1.40 °F/100ft
		Minimum section length: 185 ft
	<u>Burst:</u>	Cement top: 251 ft
	Design factor 1.00	
<u>Burst</u>		
Max anticipated surface pressure: 1,936 psi		
Internal gradient: 0.120 psi/ft		
Calculated BHP 2,200 psi		
No backup mud specified.		
	<u>Tension:</u>	<b>Directional well information:</b>
	8 Round STC: 1.80 (J)	Kick-off point 300 ft
	8 Round LTC: 1.80 (J)	Departure at shoe: 419 ft
	Buttress: 1.60 (J)	Maximum dogleg: 3 °/100ft
	Premium: 1.50 (J)	Inclination at shoe: 14.13 °
	Body yield: 1.50 (B)	<b>Re subsequent strings:</b>
	Tension is based on air weight.	Next setting depth: 9,875 ft
	Neutral point: 1,955 ft	Next mud weight: 9.200 ppg
		Next setting BHP: 4,719 psi
		Fracture mud wt: 19.250 ppg
		Fracture depth: 2,200 ft
		Injection pressure: 2,200 psi

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Internal Capacity (ft³)
1	2250	9.625	36.00	J-55	ST&C	2200	2250	8.796	976.6

Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (Kips)	Tension Strength (Kips)	Tension Design Factor
1	1006	2020	2.008	2200	3520	1.60	79	394	4.97 J

Prepared by: Helen Sadik-Macdonald  
 Div of Oil, Gas & Minerals  
 Phone: 810-538-5357  
 Date: June 4, 2008  
 Salt Lake City, Utah

ENGINEERING STIPULATIONS: NONE  
 Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.  
 Collapse is based on a vertical depth of 2200 ft, a mud weight of 8.8 ppg The casing is considered to be evacuated for collapse purposes.  
 Burst strength is not adjusted for tension.  
 Collapse strength is (biaxially) derated for doglegs in directional wells by multiplying the tensile stress by the cross section area to calculate a

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

Well name:

2008-06 XTO KC 8-36D

Operator: XTO Energy, Inc.

String type: Production

Project ID:

43-047-39892

Location: Uintah Co.

**Design parameters:**

**Collapse**

Mud weight: 9.200 ppg  
Design is based on evacuated pipe.

**Burst**

Max anticipated surface pressure: 2,547 psi  
Internal gradient: 0.220 psi/ft  
Calculated BHP 4,719 psi

No backup mud specified.

**Minimum design factors:**

**Collapse:**

Design factor 1.125

**Burst:**

Design factor 1.00

**Tension:**

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

Tension is based on air weight.  
Neutral point: 8,577 ft

**Environment:**

H2S considered? No  
Surface temperature: 65 °F  
Bottom hole temperature: 203 °F  
Temperature gradient: 1.40 °F/100ft  
Minimum section length: 368 ft

Cement top: 3,496 ft

**Directional well information:**

Kick-off point 300 ft  
Departure at shoe: 686 ft  
Maximum dogleg: 3 °/100ft  
Inclination at shoe: 0 °

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Internal Capacity (ft³)
1	9955	5.5	17.00	N-80	LT&C	9875	9955	4.767	1299.4
Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (Kips)	Tension Strength (Kips)	Tension Design Factor
1	4719	6290	1.333	4719	7740	1.64	168	348	2.07 J

Prepared by: Helen Sadik-Macdonald  
Div of Oil, Gas & Minerals

Phone: 810-538-5357

Date: June 4, 2008  
Salt Lake City, Utah

**ENGINEERING STIPULATIONS: NONE**

Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Collapse is based on a vertical depth of 9875 ft, a mud weight of 9.2 ppg. The casing is considered to be evacuated for collapse purposes. Burst strength is not adjusted for tension.

Collapse strength is (biaxially) derated for doglegs in directional wells by multiplying the tensile stress by the cross section area to calculate a

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

**BOPE REVIEW**

**XTO KC 8-36D API 43-047-39892**

**INPUT**

Well Name

XTO KC 8-36D API 43-047-39892	
String 1	String 2
9 5/8	5 1/2
2200	9955
40	2200
8.8	9.2
0	3000
3520	9875
4600	8.9 ppg ✓

Casing Size (")

Setting Depth (TVD)

Previous Shoe Setting Depth (TVD)

Max Mud Weight (ppg)

BOPE Proposed (psi)

Casing Internal Yield (psi)

Operators Max Anticipated Pressure (psi)

**Calculations**

**String 1 9 5/8 "**

Max BHP [psi]	.052*Setting Depth*MW =	1007	
			<b>BOPE Adequate For Drilling And Setting Casing at Depth?</b>
MASP (Gas) [psi]	Max BHP-(0.12*Setting Depth) =	743	NO
MASP (Gas/Mud) [psi]	Max BHP-(0.22*Setting Depth) =	523	NO
			<b>*Can Full Expected Pressure Be Held At Previous Shoe?</b>
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth) =	532	NO - NO expected pressure
Required Casing/BOPE Test Pressure		2200	psi
*Max Pressure Allowed @ Previous Casing Shoe =		40	psi *Assumes 1psi/ft frac gradient

**Calculations**

**String 2 5 1/2 "**

Max BHP [psi]	.052*Setting Depth*MW =	4762	
			<b>BOPE Adequate For Drilling And Setting Casing at Depth?</b>
MASP (Gas) [psi]	Max BHP-(0.12*Setting Depth) =	3568	NO
MASP (Gas/Mud) [psi]	Max BHP-(0.22*Setting Depth) =	2572	YES ✓
			<b>*Can Full Expected Pressure Be Held At Previous Shoe?</b>
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth) =	3056	NO
Required Casing/BOPE Test Pressure		3000	psi
*Max Pressure Allowed @ Previous Casing Shoe =		2200	psi <i>D.K.</i> *Assumes 1psi/ft frac gradient

**From:** Ed Bonner  
**To:** Mason, Diana  
**Date:** 2/1/2008 3:01 PM  
**Subject:** Well Clearance

**CC:** Davis, Jim; Garrison, LaVonne; Hill, Brad; Jarvis, Dan

The following wells have been given cultural resources and paleontological resources clearance by the Trust Lands Administration:

EOG Resources, Inc

CWU 1032-32 (API 43 047 50024)  
CWU 952-32 (API 43 047 50025)

XTO Energy, Inc

LCU 15-2H (API 43 047 39887)  
LCU 4-2H (API 43 047 39888)  
LCU 2-2H (API 43 047 39889)  
KC 6-36D (API 43 047 39890)  
KC 7-36D (API 43 047 39891)  
KC 8-36D (API 43 047 39892)  
KC 10-32E (API 43 047 39893)

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



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

July 7, 2008

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

Re: KC 8-36D Well, 2598' FNL, 1122' FEL, SW NE, Sec. 36, T. 10 South, R. 18 East,  
Bottom Location 2100' FNL, 650' FEL, SE NE, Sec. 36, T. 10 South, R. 18 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 43-047-39892.

Sincerely,

Gil Hunt  
Associate Director

pab  
Enclosures

cc: Uintah County Assessor  
SITLA

Operator: XTO Energy, Inc.  
Well Name & Number KC 8-36D  
API Number: 43-047-39892  
Lease: ML-47058

Location: SW NE Sec. 36 T. 10 South R. 18 East  
Bottom Location: SE NE Sec. 36 T. 10 South R. 18 East

### Conditions of Approval

#### 1. General

Compliance with the requirements of Utah Admin. R. 649-1 *et seq.*, the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

#### 2. Notification Requirements

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

- 24 hours prior to cementing or testing casing – contact Dan Jarvis
- 24 hours prior to testing blowout prevention equipment – contact Dan Jarvis
- 24 hours prior to spudding the well – contact Carol Daniels
- Within 24 hours of any emergency changes made to the approved drilling program – contact Dustin Doucet
- Prior to commencing operations to plug and abandon the well – contact Dan Jarvis

The operator is required to get approval from the Division of Oil, Gas and Mining before performing any of the following actions during the drilling of this well:

- Plugging and abandonment or significant plug back of this well – contact Dustin Doucet
- Any changes to the approved drilling plan – contact Dustin Doucet

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

- Dan Jarvis at: (801) 538-5338 office (801) 942-0871 home
- Carol Daniels at: (801) 538-5284 office
- Dustin Doucet at: (801) 538-5281 office (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. Compliance with the State of Utah Antiquities Act forbids disturbance of archeological, historical, or paleontological remains. Should archeological, historical or paleontological remains be encountered during your operations, you are required to immediately suspend all operations and immediately inform the Trust Lands Administration and the Division of State History of the discovery of such remains.
5. Compliance with the Conditions of Approval/Application for Permit to Drill outlined in the Statement of Basis. (Copy Attached)
6. Surface casing shall be cemented to the surface.
7. This proposed well is located in an area for which drilling units (well spacing patterns) have not been established through an order of the Board of Oil, Gas and Mining (the "Board"). In order to avoid the possibility of waste or injury to correlative rights, the operator is requested, once the well has been drilled, completed, and has produced, to analyze geological and engineering data generated therefrom, as well as any similar data from surrounding areas if available. As soon as is practicable after completion of its analysis, and if the analysis suggests an area larger than the quarter-quarter section upon which the well is located is being drained, the operator is requested to seek an appropriate order from the Board establishing drilling and spacing units in conformance with such analysis by filing a Request for Agency Action with the Board.
8. 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.

# DIVISION OF OIL, GAS AND MINING

## **SPUDDING INFORMATION**

Name of Company: XTO ENERGY INC

Well Name: KC 8-36D

Api No: 43-047-39892 Lease Type: STATE

Section 36 Township 10S Range 18E County UINTAH

Drilling Contractor PETE MARTIN DRLG RIG # RATHOLE

## **SPUDDED:**

Date 10/03/08

Time 4:00 PM

How DRY

**Drilling will Commence:** \_\_\_\_\_

Reported by JIM MILLER

Telephone # (435) 828-1454

Date 10/06//08 Signed CHD

**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.

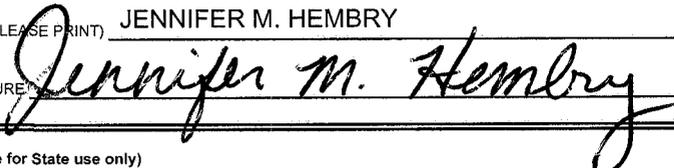
1. TYPE OF WELL		5. LEASE DESIGNATION AND SERIAL NUMBER:	
OIL WELL <input type="checkbox"/>	GAS WELL <input checked="" type="checkbox"/>	OTHER _____	ML-4058
2. NAME OF OPERATOR:		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:	
XTO ENERGY INC.		N/A	
3. ADDRESS OF OPERATOR:		7. UNIT or CA AGREEMENT NAME:	
382 CR 3100	CITY AZTEC	STATE NM	ZIP 87410
4. LOCATION OF WELL		8. WELL NAME and NUMBER:	
FOOTAGES AT SURFACE: 2598' FNL & 1122' FEL		KC 8-36D	
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SWNE 36 10S 18E S		9. API NUMBER:	
		4304739892	
		10. FIELD AND POOL, OR WILDCAT:	
		UNDESIGNATED	
		COUNTY: UINTAH	
		STATE: UTAH	

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (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 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 checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<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: <u>SPUD</u>
	<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., spudded this well on 10/03/2008.

NAME (PLEASE PRINT) <u>JENNIFER M. HEMBRY</u>	TITLE <u>FILE CLERK</u>
SIGNATURE 	DATE <u>10/10/2008</u>

(This space for State use only)

**RECEIVED**

**OCT 14 2008**

**DIV. OF OIL, GAS & MINING**

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

FORM 6

ENTITY ACTION FORM

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

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

Well 1

API Number	Well Name		QQ	Sec	Twp	Rng	County
4304739892	KC 8-36D		SWNE	36	10S	18E	UINTAH
Action Code	Current Entity Number	New Entity Number	Spud Date			Entity Assignment Effective Date	
A	99999	17147	10/3/2008			10/27/08	
Comments: WSTMVD BHL = SENE							

Well 2

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

Well 3

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

ACTION CODES:

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

JENNIFER M. HEMBRY

Name (Please Print)  
*Jennifer M. Hembry*  
Signature  
FILE CLERK  
Title  
10/10/2008  
Date

RECEIVED  
OCT 14 2008

DIV. OF OIL, GAS & MINING

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

FORM 9

**SUNDRY NOTICES AND REPORTS ON WELLS**

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

			5. LEASE DESIGNATION AND SERIAL NUMBER: ML-47058
			6. IF INDIAN, ALLOTTEE OR TRIBE NAME: N/A
			7. UNIT or CA AGREEMENT NAME: N/A
1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER _____			8. WELL NAME and NUMBER: KC 8-36D
2. NAME OF OPERATOR: XTO ENERGY INC.			9. API NUMBER: 4304739892
3. ADDRESS OF OPERATOR: 382 CR 3100		CITY AZTEC STATE NM ZIP 87410	PHONE NUMBER: (505) 333-3100
4. LOCATION OF WELL FOOTAGES AT SURFACE: 2598' FNL x 1122' FEL			10. FIELD AND POOL, OR WILDCAT: UNDESIGNATED
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SWNE 36 10S 18E S			COUNTY: UINTAH STATE: UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (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: 10/31/2008	<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 type="checkbox"/> OTHER: <u>OCTOBER 08</u>
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	<u>MONTHLY REPORT</u>

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

Attached is XTO Energy's monthly report for the period of 10/01/2008 thru 10/31/2008.

**RECEIVED**  
**NOV 10 2008**  
DIV. OF OIL, GAS & MINING

NAME (PLEASE PRINT) <u>JENNIFER M. HEMBRY</u>	TITLE <u>FILE CLERK</u>
SIGNATURE <u>Jennifer M. Hembry</u>	DATE <u>11/5/2008</u>

(This space for State use only)

**EXECUTIVE SUMMARY REPORT**

10/1/2008 - 10/31/2008  
Report run on 11/4/2008 at 12:39 PM

---

**Kings Canyon 08-36D - , 36, 10S, 18E, Uintah, Utah, , Roosevelt,**

**AFE: 800594**

Objective: Drill & Complete a gas well

Rig Information: Frontier Drilling, 2,

10/4/2008

drill conductor and cement w/ 2 yds of concrete

===== Kings Canyon 08-36D =====

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

FORM 9

**SUNDRY NOTICES AND REPORTS ON WELLS**

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1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER _____		5. LEASE DESIGNATION AND SERIAL NUMBER: ML-47058
2. NAME OF OPERATOR: XTO ENERGY INC.		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: N/A
3. ADDRESS OF OPERATOR: 382 CR 3100 CITY AZTEC STATE NM ZIP 87410		7. UNIT or CA AGREEMENT NAME: N/A
4. LOCATION OF WELL FOOTAGES AT SURFACE: 2598' FNL x 1122' FEL		8. WELL NAME and NUMBER: KC 8-36D
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SWNE 36 10S 18E S		9. API NUMBER: 4304739892
COUNTY: UINTAH		10. FIELD AND POOL, OR WILDCAT: UNDESIGNATED
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 (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
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	<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: SET CEMENT PLUG
	<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., while drilling, became stuck @ 1510'. Top of fish is 1291'. Set a 500' cement plug with 17# Class G cement and tagged @ 718'. Dressed cement to 800' and are currently kicking off of cement plug. John Egelston talked to Ryan Angus, Vernal BLM, on Friday, 11/07/2008 and received verbal approval for operations. — State well!

COPY SENT TO OPERATOR

Date: 11.25.2008

Initials: KS

NAME (PLEASE PRINT) JENNIFER M. HEMBRY	TITLE FILE CLERK
SIGNATURE <i>Jennifer M. Hembry</i>	DATE 11/10/2008

(This space for State use only)

Accepted by the  
Utah Division of  
Oil, Gas and Mining

Date: 11/24/08  
By: D. [Signature]  
(See Instructions on Reverse Side)

\*State well

RECEIVED

NOV 13 2008

DIV. OF OIL, GAS & MINING

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

FORM 9

**SUNDRY NOTICES AND REPORTS ON WELLS**

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3. ADDRESS OF OPERATOR: 382 CR 3100 CITY AZTEC STATE NM ZIP 87410		PHONE NUMBER: (505) 333-3100	7. UNIT or CA AGREEMENT NAME: N/A
4. LOCATION OF WELL FOOTAGES AT SURFACE: 2598' FNL x 1122' FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SWNE 36 10S 18E S			8. WELL NAME and NUMBER: KC 8-36D
			9. API NUMBER: 4304739892
			10. FIELD AND POOL, OR WILDCAT: UNDESIGNATED
			COUNTY: UINTAH
			STATE: UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (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 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 checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: 11/30/2008	<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: <u>DECEMBER 08</u>
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	<u>MONTHLY REPORT</u>

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.  
Attached is XTO Energy's monthly report for the period of 11/01/2008 thru 11/30/2008.

NAME (PLEASE PRINT) <u>JENNIFER M. HEMBRY</u>	TITLE <u>REGULATORY CLERK</u>
SIGNATURE <u>Jennifer M. Hembry</u>	DATE <u>12/5/2008</u>

(This space for State use only)

**RECEIVED**  
**DEC 09 2008**

EXECUTIVE SUMMARY REPORT

11/1/2008 - 11/30/2008  
Report run on 12/3/2008 at 4:20 PM

Kings Canyon 08-36D - Natural Buttes, 36, 10S, 18E, Uintah, Utah, , Roosevelt,  
AFE: 800594

Objective: Drill & Complete a gas well

11/4/2008 MIRU on the Kings Canyon #8 - 36D. W/O directional tools.  
MIRU on the Kings Canyon #8 - 36D. W/O directional tools. Strata is on location but the tools have not arrived.

11/5/2008 ===== Kings Canyon 08-36D =====  
W/O directional tools. P/U the tools. TIH to drill  
W/O Directional tools(Truck lost a driveline).Drilled 200 - 442  
Rotaing/Sliding 50/50. Mud 32 vis 8.6 Wt. Last Survey 363' 4.5 deg @ 45.7  
Azm.

11/6/2008 ===== Kings Canyon 08-36D =====  
Drilled 959 - 1301 Tripped to L/D a bad mud motor  
Drilled 959 - 1301 Tripped to L/D a bad mud motor @ 959. Drilling W/ 15 -  
20K WOB and 45 RPM. 450 GPM upped to 600GPM @ 04:00. Mud 32 vis 8.7 Wt. Last  
survey @ 1220 14.9 Deg. @ 41.8 Az.

11/7/2008 ===== Kings Canyon 08-36D =====  
drilled 1301 - 1426. Became stuck. Shot off and jarred on the fish.  
Drilled 1301 - 1426. Became differentially stuck at 1426. Tried several ways  
to get it loose. Freepointed and shot off @ 1261. Left in the hole was 1-12  
1/4 PDC, 1-directional motor, 1-UBHO, 2 monel DC,1-XO, 1-DC, and 1 4 1/2  
HWDP.We are jarring on the fish and can still achieve 80% returns  
circulating.

11/8/2008 ===== Kings Canyon 08-36D =====  
Attempted to retrieve fish no sucess.  
Worked and jarred on the fish. We had full returns all day. Attempted to free  
the pipe by using N2 and unloading the hole slowly. All attempts failed. Left  
12 1/4 Smith MDI716 PDC Ser.# JY 3097. Directional tools: 1- mud motor Strata  
Ser. # 775-24X-77505, 1- Muleshoe Ser. # TAR 77505, 2 - Moel DC Ser.# 80-30-  
08061/80-30-8061. Frontier Drilling: 1 XO 4 1/2 XH to 6 5/8 Reg., 1 6" DC. We  
did have insurance on the directional tools.BLM was ask in the office and we  
were given the OK to plug back and sidetrack.

11/9/2008 ===== Kings Canyon 08-36D =====  
Spotted a kick off plug @ 1291-718 and dressed it off.  
Tripped in the hole to 1250 W/ 500' tubing stinger and pumped 500 sks of type  
G cement. Tagged the plug @ 718 W/15K WOB. Dressed it off to 780'. TOH to P/U  
directional tools

11/10/2008 ===== Kings Canyon 08-36D =====  
Kicked off  
TIH and remed to bottom. Time drilled 780 - 800'. 35% formation

11/11/2008 ===== Kings Canyon 08-36D =====  
time drlg to get off plug, tooh to turn up motor

11/12/2008 ===== Kings Canyon 08-36D =====  
tih , time drlg to get off plug, drlg to 843, tooh chg motor setting, tih  
direc drlg to 1308, tooh to ld tools to drill LCZ

11/13/2008 ===== Kings Canyon 08-36D =====  
tih w/ str motor and no direc tools, drlg to 1585, tooh pu direc tools, tih  
direc drlg to 1903, mix lcm try to get circ, tooh to wait on water

EXECUTIVE SUMMARY REPORT

11/1/2008 - 11/30/2008  
Report run on 12/3/2008 at 4:20 PM

11/14/2008 ===== Kings Canyon 08-36D =====  
TOOH FOR LOST CIRC, CONDITION MUD, TIH SPOT LCM PILL, POLY SWELL, TOOH, WAIT  
ON PILL 4 HOURS, TRY TO FILL HOLE, NO RETURNS, TIH, PUMP THICKS O TROPIC  
CEMENT TO STOP LOST CIRC, WAIT 4 HOURS, STILL LOSING FLUID.

11/15/2008 ===== Kings Canyon 08-36D =====  
WOC, TIh, Cement LCZ, WOC, fill hole, Tih, drlg cmt to 1526, Lost circ, tooh,  
WOC, TIH open end

11/16/2008 ===== Kings Canyon 08-36D =====  
tih, pump cmt plug, tooh, woc, drlg cmt f/ 1380 to 1571, lost circ, clean out  
to 1093, drlg to 1935, tooh, woc trucks

11/17/2008 ===== Kings Canyon 08-36D =====  
wait for cmt trucks, tih, set 200 sk cement plug @ 1762, tooh, wait on  
cement, fill hole , would not hold water, tih to 1573' set 100 sk cement  
plug, wait 4 hrs, fill hole , held water, wait on cement to set up for drlg,  
tih, drlg cement f/ 1425 to 1620

11/18/2008 ===== Kings Canyon 08-36D =====  
drlg cmt to 1935, tooh, pu direc tools, tih, direc drlg to 2316, tooh, run 9  
5/8 csg

11/19/2008 ===== Kings Canyon 08-36D =====  
run 50 jts of 9 5/8 j-55 36# csg to 2283', cement w/ 250 sks of 11# type V  
lead and 225 sks of 15.8# type G tail, 73 bbls of cement returned to surface,  
nu bope w/ wellhead on location, test bope to 5k, during test stack unseated  
and blew off w/ 4k psi during test, no injuries, ruined wellhead and QDF  
flange, relaced well head and waiting on QDF flange

11/20/2008 ===== Kings Canyon 08-36D =====  
weld on new head, nu bope, test bope, wait on new choke hose, test bope, pu  
direc tools, tih, drlg cmt, flt and shoe, direc drlg f/ 2316 to 2373

11/21/2008 ===== Kings Canyon 08-36D =====  
direc drlg f/ 2373 to 3604, tooh

11/22/2008 ===== Kings Canyon 08-36D =====  
tih, drlg f/ 3604 to4992

11/23/2008 ===== Kings Canyon 08-36D =====  
Drilled f/4992' KB to 6640' KB. Drilled 1648' for 23 hrs @ 71.65 ft/hr.  
Deviation Survey @ 5927' KB 2.40 Degrees. Drilling w/ KCL Water 26 Vis 8.6#  
3.0% KCL.  
Drilled f/4992' KB to 6640' KB. Drilled 1648' for 23 hrs @ 71.65 ft/hr.  
Deviation Survey @ 5927' KB 2.40 Degrees. Drilling w/ KCL Water 26 Vis 8.6#  
3.0% KCL.

11/24/2008 ===== Kings Canyon 08-36D =====  
drlg f/ 6640 to 7631  
wt 8.6, vis 26, last survey @ 6908 2.1 deg

11/25/2008 ===== Kings Canyon 08-36D =====  
drlg to 7995, tooh chg bits and tih, drlg to 8215  
wt 8.6, vis 29, last survey @ 7915 1.7 deg

11/26/2008 ===== Kings Canyon 08-36D =====  
drlg f/ 8215 to 9290

EXECUTIVE SUMMARY REPORT

11/1/2008 - 11/30/2008  
Report run on 12/3/2008 at 4:20 PM

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wt 9.3, vis 33, last survey @ 7915 1.7 deg  
===== Kings Canyon 08-36D =====

11/27/2008 Drilled 9290 - 9875 W/ 25K WOB and 50 RPM. At 9768 TOH for a hole in the pipe, 11 joints down slip area. TD 9875 @ 04:00 11/27/08. Mud 36 vis. 9.6 Wt. No accidents or environmental issues.

11/28/2008 Tripped out of the hole for logs. L/D the mud motor and PDC. Rigged up Schlumberger and logged. Loggers TD 9874 Drillers TD 9875. TIH to LDDP. Decision was made to drill to 9950. Drilled 9875 - 9926. Lost 300# pump pressure. I got the Ok from Geology to TD there. LDDP and watch for a hole in the pipe. Last survey 9802 2.85 deg. No accidents or environmental issues

11/29/2008 LDDP, found the hole in the pipe 20 joints down in the slip area. Rigged up Westates and ran 255 joints + 2 markers of 5 1/2, 17#, L-80. Landed @ 9851.5. Cemented W/ Pro Petro. Plug down @ 05:30 11/29/08 no accidents or environmental issues

===== Kings Canyon 08-36D =====

**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>ML-47058</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>N/A</b>
		7. UNIT or CA AGREEMENT NAME: <b>N/A</b>
1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER _____	8. WELL NAME and NUMBER: <b>KC 8-36D</b>	
2. NAME OF OPERATOR: <b>XTO ENERGY INC.</b>		9. API NUMBER: <b>4304739892</b>
3. ADDRESS OF OPERATOR: <b>382 CR 3100</b> CITY <b>AZTEC</b> STATE <b>NM</b> ZIP <b>87410</b>	PHONE NUMBER: <b>(505) 333-3100</b>	10. FIELD AND POOL, OR WLD/CAT: <b>UNDESIGNATED</b>
4. LOCATION OF WELL FOOTAGES AT SURFACE: <b>2598' FNL x 1122' FEL</b>		COUNTY: <b>UINTAH</b>
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: <b>SWNE 36 10S 18E 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: <b>12/31/2008</b>	<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 type="checkbox"/> OTHER: <b>DECEMBER 08</b>
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	<b>MONTHLY REPORT</b>

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

XTO Energy Inc. has nothing to report for the period of 12/01/2008 thru 12/31/2008.

NAME (PLEASE PRINT) <b>JENNIFER M. HEMBRY</b>	TITLE <b>REGULATORY CLERK</b>
SIGNATURE <i>Jennifer M. Hembry</i>	DATE <b>1/5/2009</b>

(This space for State use only)

**RECEIVED**  
**JAN 12 2009**

DIV. OF OIL, GAS & MINING

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

FORM 9

**SUNDRY NOTICES AND REPORTS ON WELLS**

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

		5. LEASE DESIGNATION AND SERIAL NUMBER: ML-47058
		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: N/A
		7. UNIT or CA AGREEMENT NAME: N/A
1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER _____		8. WELL NAME and NUMBER: KC 8-36D
2. NAME OF OPERATOR: XTO ENERGY INC.		9. API NUMBER: 4304739892
3. ADDRESS OF OPERATOR: 382 CR 3100 CITY AZTEC STATE NM ZIP 87410		10. FIELD AND POOL, OR WILDCAT: UNDESIGNATED
4. LOCATION OF WELL FOOTAGES AT SURFACE: 2599' FNL x <sup>1172</sup> 1147' FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: <sup>S E</sup> NWNW 36 10S 18E S		COUNTY: UINTAH  STATE: UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (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 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 checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only)  Date of work completion: 1/31/2009	<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: <u>January 08</u> <u>MONTHLY REPORT</u>
	<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.

Attached is XTO Energy's monthly report for the period of 1/1/2009 thru 1/31/2009

NAME (PLEASE PRINT) <u>EDEN FINE</u>	TITLE <u>REGULATORY CLERK</u>
SIGNATURE	DATE <u>2/6/2009</u>

(This space for State use only)

**RECEIVED**

**FEB 10 2009**

DIV. OF OIL, GAS & MINING

EXECUTIVE SUMMARY REPORT

1/1/2009 - 1/31/2009  
Report run on 2/4/2009 at 3:57 PM

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Kings Canyon 08-36D

Section 36-10S-18E, Uintah, Utah, Roosevelt  
Objective: Drill & Complete a gas well  
Date First Report: 10/3/2008  
Method of Production:

1/6/2009           SICP 0 psig. MIRU Key # 6013. ND frac vlv. NU BOP. PU & TIH w/4.75'' bit  
& 295 jts 2.375'', 4.7#, L-80, EUE, 8rd tbg. Tgd TOC @ 9600' ( 210' ). RU  
pwr swivel & circ equip. SWI & SDFN.  
PU tbg.

1/7/2009           ===== Kings Canyon 08-36D =====  
SITP 0 psig. SICP 0 psig. Est circ w/2%. KCl wtr. DO cmt fr/9600' - 9630' ( BOC ).  
Contd TIH & CO w/no rotation fr/9630' - 9850' ( drlg rptd PBD @ 9810' ).  
Circ well cln. PT csg to 3000 psig, 15". Tstd gd. Rlsd press &  
TOH laying dwn 302 jts 2.375'' EUE tbg & bit. ND BOP. NU & PT frac vlv.  
SWI & RDMO.  
RDMOSU

1/19/2009          ===== Kings Canyon 08-36D =====  
SICP 0 psig. MIRU CHS WLU. Held safety mtg. RIH perf MV stg #1 w/3-1/8"  
csg guns loaded w/ Titan EXP-3323-361T, 22.7 gm chrgs, fr/9,658' - 9,661',  
9,674' - 9,678', 9,708' - 9,713', 9,745' - 9,750', w/2 JSPF (120 deg phasing,  
0.36" EHD, 35.63" pene., 38 holes). POH & LD perf guns. SWI & SDFN. Rpts  
suspnd until further activity.

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

FORM 9

**SUNDRY NOTICES AND REPORTS ON WELLS**

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1. TYPE OF WELL		OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER _____		5. LEASE DESIGNATION AND SERIAL NUMBER: ML-47058
2. NAME OF OPERATOR: XTO ENERGY INC.				6. IF INDIAN, ALLOTTEE OR TRIBE NAME: N/A
3. ADDRESS OF OPERATOR: 382 CR 3100		CITY AZTEC	STATE NM ZIP 87410	7. UNIT or CA AGREEMENT NAME: N/A
4. LOCATION OF WELL		FOOTAGES AT SURFACE: 2599' FNL x 1147' FEL		8. WELL NAME and NUMBER: KC 8-36D
		QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NWNW 36 10S 18E S		9. API NUMBER: 4304739892
		COUNTY: UINTAH		10. FIELD AND POOL, OR WMLDCAT: UNDESIGNATED
		STATE: UTAH		

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (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
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	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only)  Date of work completion: 1/31/2009	<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: February 09 MONTHLY REPORT
	<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.

Attached is XTO Energy's monthly report for the period of 2/1/2009 thru 2/28/2009

NAME (PLEASE PRINT) <u>EDEN FINE</u>	TITLE <u>REGULATORY CLERK</u>
SIGNATURE	DATE <u>3/3/2009</u>

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**RECEIVED**  
**MAR 09 2009**  
DIV. OF OIL, GAS & MINING

EXECUTIVE SUMMARY REPORT

2/1/2009 - 2/28/2009
Report run on 3/3/2009 at 10:56 AM

Kings Canyon 08-36D

Section 36-10S-18E, Uintah, Utah, Roosevelt

Objective: Drill & Complete a gas well

Date First Report: 10/3/2008

Method of Production:

2/3/2009

SICP 0 psig. MIRU HES and CHS WLU. Held safety mtg & PT all surface lines to 7,500 psig, held gd. BD MV stg #1 perfs w/2% KCL wtr and EIR. A. MV perfs fr/9,658' - 9,750' w/1,000 gals of 7-1/2% NEFE HCL ac and 57 Bio-BS @ 12 bpm dwn 5-1/2" csg. ISIP N/A psig, surge balls off perfs, wait 5". Fracd MV stg #1 perfs fr/9,658' - 9,750', dwn 5-1/2" csg w/42,936 gals wtr, 60Q N2 foam gelled fld (Delta-R Foam Frac), 2% KCl wtr carrying 74,000# Premium White 20/40 sd, coated w/Expedite Lite. Max sd conc 3 ppg, ISIP 3,450 psig, 5" SIP 3,310 psig, used 1,124,000 scf of N2, Sptd 1,000 gals 7.5% NEFE HCL ac in flush. ATP 5,113 psig, 1,022 BLWTR. RIH & set 6K CFP @ 9,530'. PT plg to 6,000 psig, gd tst. RIH w/3-1/8" csg guns loaded w/Titan EXP-3323-361T, 22.7 gm chrgrs. Perf MV stage #2 intv fr/9,124' - 9,132' w/2 JSPF (120 deg phasing, 0.36" EHD, 35.6 pene., 17 holes). (5 BBLs fl ppd between stgs). Fracd MV stg #2 perfs fr/9,124' - 9,132', dwn 5-1/2" csg w/25,265 gals wtr, 60Q N2 foam gelled fld (Delta-R Foam Frac), 2% KCl wtr carrying 16,200# Premium White 20/40 sd, coated w/Expedite Lite. Max sd conc 3 ppg, ISIP 3,969 psig, 5" SIP 3,758 psig, used 393,603 scf of N2, ATP 5,473 psig, 400 BLWTR. RIH & set 6K CBP @ 8,950'. PT plg to 6,000 psig, gd tst. RIH w/3-1/8" csg guns loaded w/Titan EXP-3323-361T, 22.7 gm chrgrs. Perf MV stage #3 intv fr/8,438' - 8,442', 8,477' - 8,483', 8,499' - 8,501', 8,507' - 8,510', & 8,528' - 8,532' w/2 JSPF (120 deg phasing, 0.36" EHD, 35.63" pene., 43 holes). POH & LD perf guns. BD MV stg #3 perfs w/2% KCL wtr and EIR. A. MV perfs fr/8,438' - 8,532' w/1,200 gals of 7-1/2% NEFE HCL ac and 43 Bio-BS @ 12 bpm dwn 5-1/2" csg. ISIP 2,154 psig, surge balls off perfs, wait 5". 6 BBLs fl ppd between stgs. Fracd MV stg #3 perfs fr/8,438' - 8,532', dwn 5-1/2" csg w/35,473 gals wtr, 65Q N2 foam gelled fld (Delta-R Foam Frac), 2% KCl wtr carrying 90,300# Premium White 20/40 sd coated w/Expedite Lite. Max sd conc 3 ppg, ISIP 3,924 psig, 5" SIP 3,653 psig, used 1,375,000 scf of N2, ATP 5,111 psig, 845 BLWTR. Note: Flushed last stg w/50Q N2. SWI & RDMO frac equip & WLU. SDFN. 2,279 BLWTR ttl.

2/4/2009

Kings Canyon 08-36D
OWU @ 08:00. FCP 3,000 psig. F. 0 BO, 129 BLW, 9 hrs, FCP 3,000 - 2,800 psig, 12/64" ck. Rets of tr sd, gas, wtr. 2,150 BLWTR ttl. MV perfs f/8,438' - 9,750'.

2/5/2009

Kings Canyon 08-36D
FCP 2,800 psig. F. 0 BO, 612 BLW, 24 hrs, FCP 2,800 - 2,000 psig, 12-18/64" ck. Rets of tr sd, gas, wtr. 1,538 BLWTR ttl. MV perfs f/8,438' - 9,750'.

2/6/2009

Kings Canyon 08-36D
FCP 1,950 psig. F. 0 BO, 361 BLW, 24 hrs, FCP 1,950 - 750 psig, 18/64" ck. Rets of tr sd, gas, wtr. 1,177 BLWTR ttl. MV perfs f/8,438' - 9,750'.

2/7/2009

Kings Canyon 08-36D
FCP 750 psig. F. 0 BO, 199 BLW, 24 hrs, FCP 750 - 550 psig, 18/64" ck. Rets of tr sd, gas, wtr. 978 BLWTR ttl. MV perfs f/8,438' - 9,750'.

2/8/2009

Kings Canyon 08-36D
FCP 500 psig. F. 0 BO, 153 BLW, 24 hrs, FCP 500 - 350 psig, 18/64" ck. Rets of tr sd, gas, wtr. 825 BLWTR ttl. MV perfs f/8,438' - 9,750'.

2/9/2009

Kings Canyon 08-36D
FCP 350 psig. F. 0 BO, 126 BLW, 24 hrs, FCP 350 - 300 psig, 18/64" ck. Rets of tr sd, gas, wtr. 699 BLWTR ttl. MV perfs f/8,438' - 9,750'.

2/10/2009

Kings Canyon 08-36D
FCP 300 psig. F. 0 BO, 63 BLW, 14 hrs, FCP 300 - 300 psig, 18/64" ck. Rets of tr sd, gas, wtr. 636 BLWTR ttl. MV perfs f/8,438' - 9,750'. SWI @ 08:00.

EXECUTIVE SUMMARY REPORT

2/1/2009 - 2/28/2009  
Report run on 3/3/2009 at 10:56 AM

- 2/18/2009 SICIP 2,750 psig. Contd rpt for AFE # 800594 D&C. MIRU CHS WLU. RIH set CBP @ 8,020', POH LD setting tls. SWI & SDFN. RDMO WLU.  
Kings Canyon 08-36D =====
- 2/23/2009 SICIP 2,200 psig. Contd rpt for AFE #800594 D&C. MIRU Temples WS #2. Bd well. ND frac vlv, NU BOP. PU & TIH w/4-3/4" rock tooth bit, safety sub, BRS, 2-3/8" SN & 244 jts 2-3/8", L-80, 4.7#, EUE, 8rd tbg. EOT @ 8,000'. SWI & SDFN. 636 BLWTR.  
Kings Canyon 08-36D =====
- 2/24/2009 SITP 0 psig, SICIP 0 psig. RU Pwr swivel. Cont to TIH w/4-3/4" rock tooth bit, SS, BRS, SN & 2-3/8" tbg. DO 5-1/2" CBP w/rig pmp @ 8,020'. DO CBP w/rig pmp and well energy @ 8,950'. DO CBP w/AFU @ 9,530'. Contd TIH & CO 20' of fill w/AFU to PBTB @ 9,810'. Circ well cln. TOH & LD 5 jts of tbg. Cont to TOH w/295 jts of tbg, LD BHA. TIH w/MS col, SN & 150 jts of 2-3/8" tbg. EOT @ 4,925'. SWI & SDFN.  
Kings Canyon 08-36D =====
- 2/25/2009 SITP 600 psig, SICIP 700 psig. Cont to TIH, Ld 295 jts 2-3/8", 4.7#, L-80, 8rd tbg, on hgr w/EOT @ 9,694' & SN 9,692'. RU swb tls. RIH w/ XTO's 1.90" tbg broach to SN @ 9,692' (no ti spots). POH & LD broach. ND BOP. NU WH. RU & RIH w/swb tls. BFL @ 3,000. S. 0 BO, 56 BLW, 14 runs, 6 hrs, FFL @ 2,900. FTP 0 psig, SICIP 750 psig. Fld smpls showed cln wtr. 666 BLWTR. SWI & SDFN.
- 2/26/2009 ===== Kings Canyon 08-36D =====  
SITP 500 psig, SICIP 1,200 psig. Bd tbg, RU swb tls. BFL 2,600' FS. S. 0 BO, 117 BLW, 23 runs, 9 hrs, FFL 3,800' FS. FTP 0 psig, SICIP 1,300 psig. Fld smpls showed cln wtr. RD swb tls & SWIFPBU & SDFN. 549 BLWTR.
- 2/27/2009 ===== Kings Canyon 08-36D =====  
SITP 600 psig, SICIP 1,650 psig. Bd tbg, RU swb tls. BFL 3,300' FS. S. 0 BO, 33 BLW, 7 runs, 3 hrs, FFL 3,600' FS. FTP 0 psig, SICIP 1,650 psig. Fld smpls showed cln wtr. RD swb tls & SWIFPBU & SDFN. 516 BLWTR. Due to windy conditions, unable to RDMO rig.

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

FORM 9

5. LEASE DESIGNATION AND SERIAL NUMBER:  
ML-47058

**SUNDRY NOTICES AND REPORTS ON WELLS**

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

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

7. UNIT or CA AGREEMENT NAME:  
N/A

1. TYPE OF WELL OIL WELL  GAS WELL  OTHER \_\_\_\_\_

8. WELL NAME and NUMBER:  
KC 8-36D

2. NAME OF OPERATOR:  
XTO ENERGY INC.

9. API NUMBER:  
4304739892

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

PHONE NUMBER:  
(505) 333-3100

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

4. LOCATION OF WELL  
FOOTAGES AT SURFACE: 2598' FNL & 1122' FEL

COUNTY: UINTAH

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SWNE 36 10S 18E S

STATE: UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (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 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 checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: 3/18/2009	<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: 1ST DELIVERY
	<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. first delivered this well to Questar Gas Management @ 1230 hours on Wednesday, 3/18/2009.

IFR 900 MCFPD.

XTO allocation meter # RS1591RF.

RECEIVED

MAR 19 2009

DIV. OF OIL, GAS & MINING

NAME (PLEASE PRINT) BARBARA A. NICOL

TITLE REGULATORY CLERK

SIGNATURE

*Barbara A. Nicol*

DATE

3/19/2009

(This space for State use only)

RECEIVED

APR 06 2009

*nrj*

STATE OF UTAH

FORM 9

DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

REGULATORY COMPLIANCE

SUNDRY NOTICES AND REPORTS ON WELLS

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1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER _____		5. LEASE DESIGNATION AND SERIAL NUMBER: ML-47058
2. NAME OF OPERATOR: XTO ENERGY INC.		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: N/A
3. ADDRESS OF OPERATOR: 382 CR 3100 CITY AZTEC STATE NM ZIP 87410		7. UNIT or CA AGREEMENT NAME: N/A
4. LOCATION OF WELL FOOTAGES AT SURFACE: 2599' FNL x 1147' FEL COUNTY: UINTAH		8. WELL NAME and NUMBER: KC 8-36D
PHONE NUMBER: (505) 333-3100		9. API NUMBER: 4304739892
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NWNW 36 10S 18E S STATE: UTAH		10. FIELD AND POOL, OR WILDCAT: UNDESIGNATED

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 checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<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 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: <u>March 09</u>
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	<u>MONTHLY REPORT</u>

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

Attached is XTO Energy's monthly report for the period of 3/1/2009 thru 3/31/2009

NAME (PLEASE PRINT) <u>EDEN FINE</u>	TITLE <u>REGULATORY CLERK</u>
SIGNATURE 	DATE <u>4/3/2009</u>

(This space for State use only)

RECEIVED  
APR 28 2009  
DIV. OF OIL, GAS & MINING

EXECUTIVE SUMMARY REPORT

3/1/2009 - 3/31/2009  
Report run on 4/3/2009 at 9:27 AM

Kings Canyon 08-36D

Section 36-10S-18E, Uintah, Utah, Roosevelt

Objective: Drill & Complete a gas well  
Date First Report: 10/3/2008  
Method of Production: Flowing

3/2/2009 RDMO rig and equip. Rpts suspd until further activity.

3/18/2009 ===== Kings Canyon 08-36D =====  
The Kings Canyon Unit 8-36D was first delivered to Questar Gas Management through Tap # 1 CDp @ 12:30 p.m., 03/18/2009. IFR 900 MCFPD. This well is on Route # 207. XTO allocation Meter # RS1591RF. Group10. Address 117. QGM #1 Check meter RS0929C. Final rpt. Start test data.

3/20/2009 ===== Kings Canyon 08-36D =====  
SITP 10 psig, SICP 1710. MIRU D&S Swabbing SWU. Bd tbg. RU & RIH w/swb tls. SN @ 9,692'. BFL @ 2,900' FS, 0 BO, 32 BW, 7 runs, 5 hrs. FFL @ 500' FS. KO well flwg. SITP 1300 psig, SICP 1650 psig. RWTP @ 3:00 p.m., 3/20/09. RDMO D&S Swabbing SWU. Final rpt. Start test data.

3/21/2009 ===== Kings Canyon 08-36D =====  
SITP 10 psig, SICP 1440. MIRU D&S Swabbing SWU. Bd tbg. RU & RIH w/swb tls. SN @ 9,692'. BFL @ 3,500' FS, 0 BO, 23 BW, 13 runs, 7 hrs. FFL @ 1200' FS. KO well flwg. SITP 1100 psig, SICP 1390 psig. RWTP @ 2:00 p.m., 3/21/09. RDMO D&S Swabbing SWU. Final rpt. Start test data.

3/23/2009 ===== Kings Canyon 08-36D =====  
SITP 10 psig, SICP 1680 psig. MIRU D&S Swabbing SWU. Bd tbg. RU & RIH w/swb tls. SN @ 9,692'. BFL @ 2,900' FS, 0 BO, 20 BW, 10 runs, 5 hrs. FFL @ 500' FS. KO well flwg. SITP 900 psig, SICP 1560 psig. RWTP 1:00p.m.3/23/09. RDMO D&S Swabbing SWU. Final rpt. Start test data.

3/27/2009 ===== Kings Canyon 08-36D =====  
SITP 10 psig, SICP 2020 psig. MIRU D&S Swabbing SWU. Bd tbg. RU & RIH w/swb tls. SN @ 9,692'. BFL @ 2,600' FS, 0 BO, 13 BW, 9 runs, 6 hrs. FFL @ 2000' FS. KO well flwg. SITP 1700 psig, SICP 1800 psig. RWTP 1:00p.m.3/27/09. RDMO D&S Swabbing SWU. Final rpt. Start test data.

3/30/2009 ===== Kings Canyon 08-36D =====  
SITP 10 psig, SICP1800 psig. MIRU D&S Swabbing SWU. Bd tbg. RU & RIH w/swb tls. SN @ 9,692'. BFL @ 3,300' FS, 0 BO, 20 BW, 8 runs, 6 hrs. FFL @ 2,200' FS. KO well flwg. SITP 1400 psig, SICP 1640 psig. RWTP 1:00p.m.3/30/09. RDMO D&S Swabbing SWU. Final rpt. Start test data.

RECEIVED

APR 13 2009

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

AMENDED REPORT FORM 8
(highlight changes)

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. TYPE OF WELL: OIL WELL [ ] GAS WELL [x] DRY [ ] OTHER [ ]
b. TYPE OF WORK: NEW WELL [x] HORIZ. LATS. [ ] DEEP-EN [ ] RE-ENTRY [ ] DIFF. RESVR. [ ] OTHER [ ]
2. NAME OF OPERATOR: XTO Energy Inc.
3. ADDRESS OF OPERATOR: 382 CR 3100 CITY AZTEC STATE NM ZIP 87410 PHONE NUMBER: (505) 333-3100
4. LOCATION OF WELL (FOOTAGES) AT SURFACE: 2598' FNL & 1122' FEL AT TOP PRODUCING INTERVAL REPORTED BELOW: 592 AT TOTAL DEPTH: 2314' FNL & 602' FEL
5. LEASE DESIGNATION AND SERIAL NUMBER: ML-47058
6. IF INDIAN, ALLOTTEE OR TRIBE NAME: N/A
7. UNIT or CA AGREEMENT NAME: N/A
8. WELL NAME and NUMBER: KC 8-36D
9. API NUMBER: 4304739892
10. FIELD AND POOL, OR WILDCAT: NATURAL BUTTES/WSCH
11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SWNE 36 10S 18E S
12. COUNTY: UINTAH 13. STATE: UTAH

14. DATE SPURRED: 10/3/2008 15. DATE T.D. REACHED: 11/27/2008 16. DATE COMPLETED: 3/18/2009 ABANDONED [ ] READY TO PRODUCE [x]
17. ELEVATIONS (DF, RKB, RT, GL): 5358' GL
18. TOTAL DEPTH: MD 9,926 TVD 9847 19. PLUG BACK T.D.: MD 9,810 TVD 9732 20. IF MULTIPLE COMPLETIONS, HOW MANY? \*
21. DEPTH BRIDGE MD PLUG SET: TVD
22. TYPE ELECTRIC AND OTHER MECHANICAL LOGS RUN (Submit copy of each) CBL/GR/CCL; CN/TDL; HRLA/GR; CP/CV/GR; DS, Pex
23. WAS WELL CORED? NO [x] YES [ ] (Submit analysis) WAS DST RUN? NO [x] YES [ ] (Submit report) DIRECTIONAL SURVEY? NO [ ] YES [x] (Submit copy)

24. CASING AND LINER RECORD (Report all strings set in well)
Table with columns: HOLE SIZE, SIZE/GRADE, WEIGHT (#/ft.), TOP (MD), BOTTOM (MD), STAGE CEMENTER DEPTH, CEMENT TYPE & NO. OF SACKS, SLURRY VOLUME (BBL), CEMENT TOP \*\*, AMOUNT PULLED

25. TUBING RECORD
Table with columns: SIZE, DEPTH SET (MD), PACKER SET (MD), SIZE, DEPTH SET (MD), PACKER SET (MD), SIZE, DEPTH SET (MD), PACKER SET (MD)

26. PRODUCING INTERVALS
27. PERFORATION RECORD
Table with columns: FORMATION NAME, TOP (MD), BOTTOM (MD), TOP (TVD), BOTTOM (TVD), INTERVAL (Top/Bot - MD), SIZE, NO. HOLES, PERFORATION STATUS

28. ACID, FRACTURE, TREATMENT, CEMENT SQUEEZE, ETC.
Table with columns: DEPTH INTERVAL, AMOUNT AND TYPE OF MATERIAL

29. ENCLOSED ATTACHMENTS: [ ] ELECTRICAL/MECHANICAL LOGS [ ] GEOLOGIC REPORT [ ] DST REPORT [ ] DIRECTIONAL SURVEY [ ] SUNDRY NOTICE FOR PLUGGING AND CEMENT VERIFICATION [ ] CORE ANALYSIS [ ] OTHER:
30. WELL STATUS: Producing

31. INITIAL PRODUCTION

INTERVAL A (As shown in Item #26)

DATE FIRST PRODUCED: 3/18/2009		TEST DATE: 3/19/2009		HOURS TESTED: 24		TEST PRODUCTION RATES: →	OIL – BBL: 0	GAS – MCF: 379	WATER – BBL: 6	PROD. METHOD: Flowing
CHOKE SIZE: 32/64"	TBG. PRESS. 1	CSG. PRESS. 1,650	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL: 0	GAS – MCF: 379	WATER – BBL: 6	INTERVAL STATUS: Producing

INTERVAL B (As shown in Item #26)

DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

INTERVAL C (As shown in Item #26)

DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

INTERVAL D (As shown in Item #26)

DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

32. DISPOSITION OF GAS (Sold, Used for Fuel, Vented, Etc.)

TO BE SOLD

33. SUMMARY OF POROUS ZONES (Include Aquifers):

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

34. FORMATION (Log) MARKERS:

Formation	Top (MD)	Bottom (MD)	Descriptions, Contents, etc.	Name	Top (Measured Depth)
				GREEN RIVER	930
				MAHOGENY BENCH	1,774
				WASATCH TONGUE	3,930
				UTELAND LIMESTONE	4,313
				WASATCH	4,483
				CHAPITA WELLS	5,373
				UTELAND BUTTE	6,966
				MESAVERDE	7,794

35. ADDITIONAL REMARKS (Include plugging procedure)

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records.

NAME (PLEASE PRINT) BARBARA A. NICOL TITLE REGULATORY CLERK  
 SIGNATURE Barbara A. Nicol DATE 4/7/2009

This report must be submitted within 30 days of

- completing or plugging a new well
- drilling horizontal laterals from an existing well bore
- recompleting to a different producing formation
- reentering a previously plugged and abandoned well
- significantly deepening an existing well bore below the previous bottom-hole depth
- drilling hydrocarbon exploratory holes, such as core samples and stratigraphic tests

\* ITEM 20: Show the number of completions if production is measured separately from two or more formations.

\*\* ITEM 24: Cement Top – Show how reported top(s) of cement were determined (circulated (CIR), calculated (CAL), cement bond log (CBL), temperature survey (TS)).

Send to: Utah Division of Oil, Gas and Mining  
 1594 West North Temple, Suite 1210  
 Box 145801  
 Salt Lake City, Utah 84114-5801

Phone: 801-538-5340  
 Fax: 801-359-3940

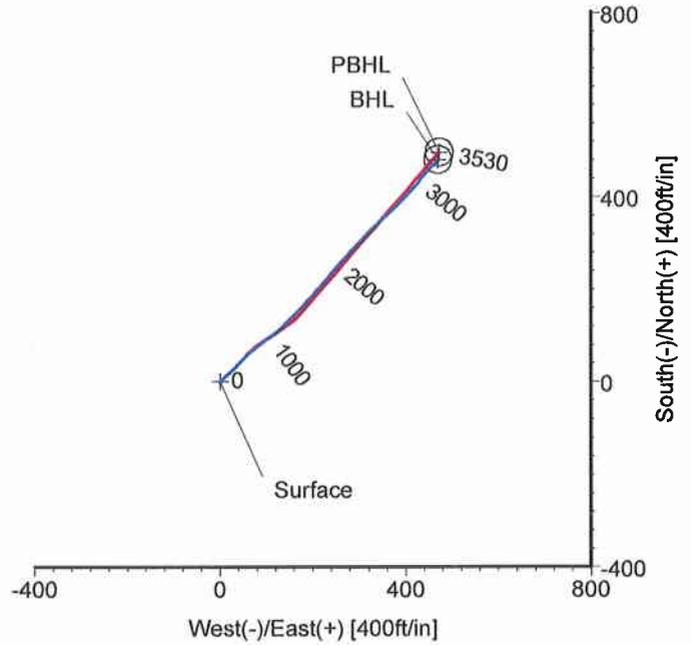
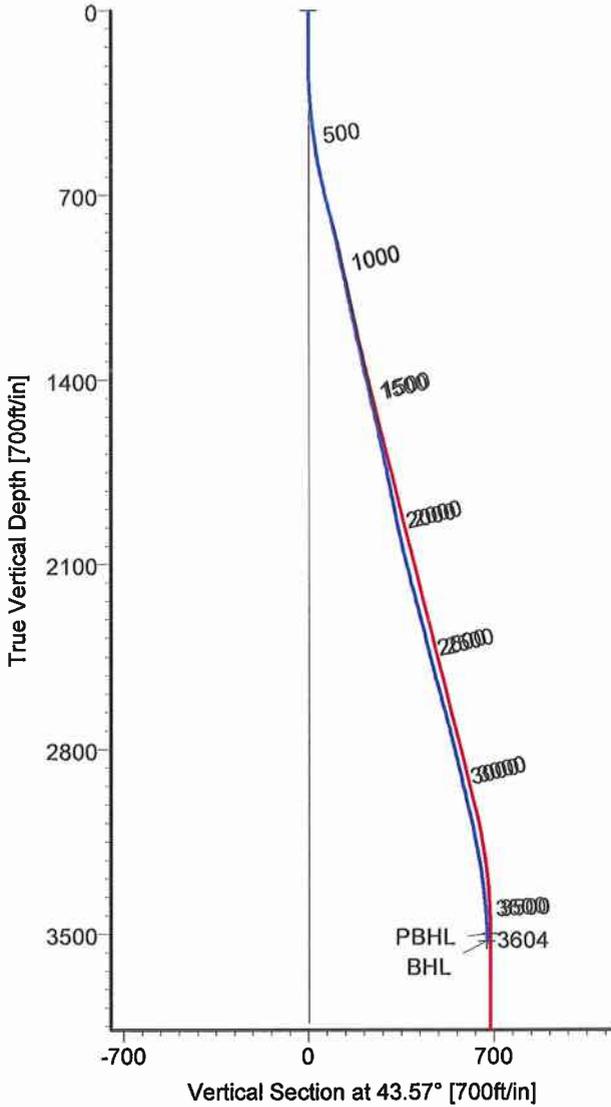
**XTO Energy, Inc.**

Field: Uintah County, UT  
 Site: Kings Canyon #8-36D  
 Well: #8-36D  
 Wellpath: Original Hole



Azimuths to Grid North  
 True North: -1.06°  
 Magnetic North: 10.46°

Magnetic Field  
 Strength: 52553nT  
 Dip Angle: 65.79°  
 Date: 11/03/2008  
 Model: igr2005



**LEGEND**

- #8-36D, Original Hole, Plan #2
- Original Hole

**TARGET DETAILS**

Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Shape
Surface	0.0	0.0	0.0	2175324.91	642155.05	39°54'02.420N	109°50'14.800W	Point
PBHL	3500.0	497.2	473.0	2175476.47	642299.23	39°54'07.247N	109°50'08.612W	Circle (Radius: 30)
BHL	3530.0	481.1	470.0	2175471.56	642298.30	39°54'07.088N	109°50'08.655W	Circle (Radius: 30)



STRATA DIRECTIONAL TECHNOLOGY, LLC.  
 911 Regional Park Drive Houston, Texas 77060  
 Phone: 713-934-9600 Fax: 713-934-9067

Wellpath: (#8-36D/Original Hole)  
 Created By: Donna McCulloch Date: 03/28/2009  
 Checked: \_\_\_\_\_ Date: \_\_\_\_\_

# Allis-Chalmers Energy, Inc.

## Survey Report

<b>Company:</b> XTO Energy, Inc.	<b>Date:</b> 03/26/2009	<b>Time:</b> 13:11:24	<b>Page:</b> 1
<b>Field:</b> Uintah County, UT	<b>Co-ordinate(NE) Reference:</b> Well: #8-36D, Grid North		
<b>Site:</b> Kings Canyon #8-36D	<b>Vertical (TVD) Reference:</b> SITE 5372.0		
<b>Well:</b> #8-36D	<b>Section (VS) Reference:</b> Well (0.00N,0.00E,43.57Azi)		
<b>Wellpath:</b> Original Hole	<b>Survey Calculation Method:</b> Minimum Curvature	<b>Db:</b> Adapti	

<b>Field:</b> Uintah County, UT		
<b>Map System:</b> US State Plane Coordinate System 1983	<b>Map Zone:</b>	Utah, Central Zone
<b>Geo Datum:</b> GRS 1980	<b>Coordinate System:</b>	Well Centre
<b>Sys Datum:</b> Mean Sea Level	<b>Geomagnetic Model:</b>	igrf2005

**Site:** Kings Canyon #8-36D

<b>Site Position:</b>	<b>Northing:</b> 2175324.91 m	<b>Latitude:</b> 39 54 2.420 N
<b>From:</b> Geographic	<b>Easting:</b> 642155.05 m	<b>Longitude:</b> 109 50 14.800 W
<b>Position Uncertainty:</b> 0.0 ft		<b>North Reference:</b> Grid
<b>Ground Level:</b> 5358.0 ft		<b>Grid Convergence:</b> 1.06 deg

<b>Well:</b> #8-36D	<b>Slot Name:</b>
<b>Well Position:</b> +N/-S 0.0 ft	<b>Northing:</b> 2175324.91 m
+E/-W 0.0 ft	<b>Easting:</b> 642155.05 m
<b>Position Uncertainty:</b> 0.0 ft	<b>Latitude:</b> 39 54 2.420 N
	<b>Longitude:</b> 109 50 14.800 W

<b>Wellpath:</b> Original Hole	<b>Drilled From:</b> Surface
<b>Current Datum:</b> SITE	<b>Tie-on Depth:</b> 0.0 ft
<b>Magnetic Data:</b> 11/03/2008	<b>Above System Datum:</b> Mean Sea Level
<b>Field Strength:</b> 52553 nT	<b>Declination:</b> 11.52 deg
<b>Vertical Section:</b> Depth From (TVD)	<b>Mag Dip Angle:</b> 65.79 deg
ft	+N/-S
	ft
0.0	0.0
	+E/-W
	ft
	0.0
	<b>Direction</b>
	deg
	43.57

**Survey Program for Definitive Wellpath**

<b>Date:</b> 03/26/2009	<b>Validated:</b> No	<b>Version:</b> 0
<b>Actual From</b>	<b>To</b>	<b>Survey</b>
ft	ft	
150.0	664.0	Survey #1 (150.00-1376.00)
730.0	3543.0	Survey #2 (730.00-3543.00)
3604.0	3604.0	Survey #3 (3604.00-3604.00)

	<b>Toolcode</b>	<b>Tool Name</b>
	MWD	Std MWD
	MWD	Std MWD
	Project	Projection

**Survey**

MD	Incl	Azim	TVD	+N/-S	+E/-W	VS	DLS	Build	Turn	Tool/Comment
ft	deg	deg	ft	ft	ft	ft	deg/100ft	deg/100ft	deg/100ft	
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00	TIE LINE
150.0	0.40	275.10	150.0	0.0	-0.5	-0.3	0.27	0.27	0.00	MWD
180.0	0.20	71.60	180.0	0.1	-0.6	-0.3	1.96	-0.67	521.67	MWD
210.0	0.90	51.30	210.0	0.2	-0.3	-0.1	2.39	2.33	-67.67	MWD
241.0	1.30	47.80	241.0	0.6	0.1	0.5	1.31	1.29	-11.29	MWD
272.0	2.00	47.00	272.0	1.2	0.8	1.4	2.26	2.26	-2.58	MWD
302.0	2.90	51.50	302.0	2.1	1.7	2.7	3.07	3.00	15.00	MWD
333.0	3.70	46.20	332.9	3.2	3.1	4.5	2.76	2.58	-17.10	MWD
363.0	4.50	45.70	362.8	4.7	4.6	6.6	2.67	2.67	-1.67	MWD
394.0	5.20	45.20	393.7	6.6	6.5	9.2	2.26	2.26	-1.61	MWD
423.0	6.20	47.00	422.6	8.6	8.6	12.1	3.50	3.45	6.21	MWD
453.0	6.90	47.10	452.4	10.9	11.1	15.5	2.33	2.33	0.33	MWD
513.0	8.50	46.20	511.8	16.4	16.9	23.6	2.67	2.67	-1.50	MWD
573.0	10.40	46.10	571.0	23.2	24.0	33.4	3.17	3.17	-0.17	MWD
634.0	12.40	44.00	630.8	31.8	32.5	45.4	3.35	3.28	-3.44	MWD
664.0	12.90	43.60	660.1	36.5	37.1	52.0	1.69	1.67	-1.33	MWD
730.0	14.25	44.30	724.2	47.7	47.8	67.5	2.06	2.05	1.06	MWD
796.0	14.60	46.80	788.2	59.2	59.6	83.9	1.08	0.53	3.79	MWD
826.0	13.50	49.10	817.3	64.1	65.0	91.2	4.11	-3.67	7.67	MWD
855.0	12.40	50.30	845.5	68.3	69.9	97.7	3.90	-3.79	4.14	MWD
887.0	12.20	49.80	876.8	72.6	75.2	104.4	0.71	-0.62	-1.56	MWD

# Allis-Chalmers Energy, Inc.

## Survey Report

Company: XTO Energy, Inc.  
 Field: Uintah County, UT  
 Site: Kings Canyon #8-36D  
 Well: #8-36D  
 Wellpath: Original Hole

Date: 03/26/2009 Time: 13:11:24 Page: 2  
 Co-ordinate(NE) Reference: Well: #8-36D, Grid North  
 Vertical (TVD) Reference: SITE 5372.0  
 Section (VS) Reference: Well (0.00N,0.00E,43.57Azi)  
 Survey Calculation Method: Minimum Curvature Db: Adapti

### Survey

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	Tool/Comment
918.0	12.20	51.10	907.1	76.8	80.2	110.9	0.89	0.00	4.19	MWD
949.0	12.00	52.90	937.4	80.8	85.3	117.4	1.38	-0.65	5.81	MWD
981.0	12.00	54.20	968.7	84.8	90.7	123.9	0.84	0.00	4.06	MWD
1012.0	12.00	54.00	999.0	88.5	95.9	130.2	0.13	0.00	-0.65	MWD
1075.0	12.10	53.30	1060.6	96.3	106.5	143.2	0.28	0.16	-1.11	MWD
1106.0	12.00	53.70	1090.9	100.2	111.7	149.6	0.42	-0.32	1.29	MWD
1168.0	11.90	50.30	1151.6	108.1	121.8	162.3	1.15	-0.16	-5.48	MWD
1199.0	12.10	47.90	1181.9	112.3	126.7	168.7	1.73	0.65	-7.74	MWD
1230.0	12.70	46.10	1212.2	116.8	131.5	175.3	2.30	1.94	-5.81	MWD
1542.0	13.00	42.70	1516.4	166.4	180.0	244.7	0.26	0.10	-1.09	MWD
1557.0	12.50	42.50	1531.0	168.9	182.3	248.0	3.35	-3.33	-1.33	MWD
1620.0	12.40	42.30	1592.5	178.9	191.4	261.6	0.17	-0.16	-0.32	MWD
1652.0	12.10	42.20	1623.8	183.9	196.0	268.3	0.94	-0.94	-0.31	MWD
1684.0	12.10	41.00	1655.1	188.9	200.5	275.1	0.79	0.00	-3.75	MWD
1747.0	12.00	41.80	1716.7	198.8	209.2	288.2	0.31	-0.16	1.27	MWD
1779.0	11.60	41.90	1748.0	203.7	213.5	294.7	1.25	-1.25	0.31	MWD
1875.0	10.90	39.30	1842.2	217.9	225.7	313.4	0.90	-0.73	-2.71	MWD
1907.0	11.20	38.40	1873.6	222.7	229.6	319.5	1.08	0.94	-2.81	MWD
1938.0	11.70	38.90	1904.0	227.5	233.4	325.7	1.64	1.61	1.61	MWD
1969.0	12.00	40.50	1934.3	232.4	237.5	332.0	1.44	0.97	5.16	MWD
2001.0	12.10	39.50	1965.6	237.5	241.8	338.7	0.72	0.31	-3.12	MWD
2032.0	12.40	40.40	1995.9	242.5	246.0	345.3	1.15	0.97	2.90	MWD
2063.0	12.80	40.30	2026.2	247.7	250.4	352.0	1.29	1.29	-0.32	MWD
2096.0	13.30	40.40	2058.3	253.3	255.2	359.5	1.52	1.52	0.30	MWD
2128.0	13.80	41.50	2089.4	259.0	260.1	366.9	1.76	1.56	3.44	MWD
2160.0	14.50	42.80	2120.4	264.8	265.4	374.8	2.40	2.19	4.06	MWD
2191.0	14.50	43.20	2150.5	270.5	270.7	382.5	0.32	0.00	1.29	MWD
2221.0	14.60	43.40	2179.5	276.0	275.8	390.1	0.37	0.33	0.67	MWD
2311.0	14.40	42.10	2266.6	292.5	291.1	412.6	0.42	-0.22	-1.44	MWD
2406.0	13.90	42.20	2358.8	309.7	306.7	435.8	0.53	-0.53	0.11	MWD
2468.0	13.90	42.90	2418.9	320.7	316.8	450.7	0.27	0.00	1.13	MWD
2528.0	14.70	46.20	2477.1	331.3	327.2	465.5	1.90	1.33	5.50	MWD
2641.0	15.30	48.30	2586.2	351.1	348.7	494.7	0.72	0.53	1.86	MWD
2656.0	15.00	48.20	2600.7	353.7	351.6	498.6	2.01	-2.00	-0.67	MWD
2719.0	14.90	45.20	2661.6	364.8	363.4	514.8	1.24	-0.16	-4.76	MWD
2783.0	14.70	44.50	2723.4	376.4	374.9	531.2	0.42	-0.31	-1.09	MWD
2846.0	13.80	44.00	2784.5	387.5	385.8	546.7	1.44	-1.43	-0.79	MWD
2910.0	13.10	44.40	2846.8	398.2	396.1	561.6	1.10	-1.09	0.62	MWD
2972.0	13.30	44.50	2907.1	408.3	406.1	575.7	0.32	0.32	0.16	MWD
3036.0	13.40	41.90	2969.4	419.1	416.2	590.5	0.95	0.16	-4.06	MWD
3068.0	13.40	39.50	3000.5	424.7	421.0	597.9	1.74	0.00	-7.50	MWD
3099.0	13.40	37.30	3030.7	430.3	425.5	605.0	1.64	0.00	-7.10	MWD
3131.0	12.70	37.20	3061.8	436.1	429.8	612.2	2.19	-2.19	-0.31	MWD
3163.0	12.10	36.80	3093.1	441.6	434.0	619.1	1.89	-1.87	-1.25	MWD
3194.0	11.30	38.30	3123.5	446.6	437.8	625.3	2.76	-2.58	4.84	MWD
3225.0	10.90	40.70	3153.9	451.2	441.6	631.3	1.97	-1.29	7.74	MWD
3257.0	10.30	43.20	3185.3	455.5	445.5	637.1	2.36	-1.87	7.81	MWD
3289.0	9.90	43.40	3216.8	459.6	449.4	642.7	1.25	-1.25	0.62	MWD
3320.0	9.40	44.00	3247.4	463.4	453.0	647.9	1.65	-1.61	1.94	MWD
3352.0	8.40	44.70	3279.0	466.9	456.4	652.9	3.14	-3.12	2.19	MWD
3382.0	7.40	44.20	3308.7	469.9	459.3	657.0	3.34	-3.33	-1.67	MWD
3416.0	6.40	46.80	3342.5	472.7	462.2	661.1	3.08	-2.94	7.65	MWD
3446.0	5.80	48.30	3372.3	474.9	464.6	664.3	2.07	-2.00	5.00	MWD
3479.0	4.70	46.40	3405.2	476.9	466.8	667.3	3.37	-3.33	-5.76	MWD

