

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

FORM 3

AMENDED REPORT

APPLICATION FOR PERMIT TO DRILL						1. WELL NAME and NUMBER LCU 4-2H				
2. TYPE OF WORK DRILL NEW WELL <input checked="" type="checkbox"/> REENTER P&A WELL <input type="checkbox"/> DEEPEN WELL <input type="checkbox"/>						3. FIELD OR WILDCAT HILL CREEK				
4. TYPE OF WELL Gas Well Coalbed Methane Well: NO						5. UNIT or COMMUNITIZATION AGREEMENT NAME LITTLE CANYON				
6. NAME OF OPERATOR XTO ENERGY INC						7. OPERATOR PHONE 505 333-3145				
8. ADDRESS OF OPERATOR 382 Road 3100, Aztec, NM, 87410						9. OPERATOR E-MAIL Kelly_Kardos@xtoenergy.com				
10. MINERAL LEASE NUMBER (FEDERAL, INDIAN, OR STATE) ML-48771			11. MINERAL OWNERSHIP FEDERAL <input type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>			12. SURFACE OWNERSHIP FEDERAL <input type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>				
13. NAME OF SURFACE OWNER (if box 12 = 'fee')						14. SURFACE OWNER PHONE (if box 12 = 'fee')				
15. ADDRESS OF SURFACE OWNER (if box 12 = 'fee')						16. SURFACE OWNER E-MAIL (if box 12 = 'fee')				
17. INDIAN ALLOTTEE OR TRIBE NAME (if box 12 = 'INDIAN')			18. INTEND TO COMMINGLE PRODUCTION FROM MULTIPLE FORMATIONS YES <input type="checkbox"/> (Submit Commingling Application) NO <input checked="" type="checkbox"/>			19. SLANT VERTICAL <input type="checkbox"/> DIRECTIONAL <input checked="" type="checkbox"/> HORIZONTAL <input type="checkbox"/>				
20. LOCATION OF WELL		FOOTAGES		QTR-QTR	SECTION	TOWNSHIP	RANGE	MERIDIAN		
LOCATION AT SURFACE		1352 FNL 1891 FWL		SEnw	2	11.0 S	20.0 E	S		
Top of Uppermost Producing Zone		725 FNL 759 FWL		NWNw	2	11.0 S	20.0 E	S		
At Total Depth		725 FNL 759 FWL		NWNw	2	11.0 S	20.0 E	S		
21. COUNTY UINTAH			22. DISTANCE TO NEAREST LEASE LINE (Feet) 1352			23. NUMBER OF ACRES IN DRILLING UNIT 638				
27. ELEVATION - GROUND LEVEL 5398			25. DISTANCE TO NEAREST WELL IN SAME POOL (Applied For Drilling or Completed) 20			26. PROPOSED DEPTH MD: 9478 TVD: 9245				
			28. BOND NUMBER 104312762			29. SOURCE OF DRILLING WATER / WATER RIGHTS APPROVAL NUMBER IF APPLICABLE 43-10447				
Hole, Casing, and Cement Information										
String	Hole Size	Casing Size	Length	Weight	Grade & Thread	Max Mud Wt.	Cement	Sacks	Yield	Weight
Surf	12.25	9.625	0 - 2313	36.0	J-55 ST&C	8.8	Premium Plus	231	3.82	11.0
							Class G	350	1.2	15.6
Prod	7.875	5.5	0 - 9478	17.0	N-80 LT&C	9.2	Premium Plus	314	3.1	11.6
							Class G	400	1.49	13.0
ATTACHMENTS										
VERIFY THE FOLLOWING ARE ATTACHED IN ACCORDANCE WITH THE UTAH OIL AND GAS CONSERVATION GENERAL RULES										
<input checked="" type="checkbox"/> WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER					<input checked="" type="checkbox"/> COMPLETE DRILLING PLAN					
<input type="checkbox"/> AFFIDAVIT OF STATUS OF SURFACE OWNER AGREEMENT (IF FEE SURFACE)					<input type="checkbox"/> FORM 5. IF OPERATOR IS OTHER THAN THE LEASE OWNER					
<input checked="" type="checkbox"/> DIRECTIONAL SURVEY PLAN (IF DIRECTIONALLY OR HORIZONTALLY DRILLED)					<input checked="" type="checkbox"/> TOPOGRAPHICAL MAP					
NAME Krista Wilson			TITLE Permitting Tech			PHONE 505 333-3647				
SIGNATURE			DATE 10/12/2011			EMAIL krista_wilson@xtoenergy.com				
API NUMBER ASSIGNED 43047521040000			APPROVAL			 Permit Manager				

XTO ENERGY INC.

LCU 4-2H

APD Data

August 3, 2008

Location: 1352' FNL & 1891' FWL, Sec. 2, T11S, R20E County: Uintah
 Bottomhole Location: 725' FNL & 759' FWL, Sec. 2, T11S, R20E

State: Utah

GREATEST PROJECTED TD: 9478' MD/ 9245' TVD
 APPROX GR ELEV: 5398'

OBJECTIVE: Wasatch/Mesaverde
 Est KB ELEV: 5412' (14' AGL)

1. MUD PROGRAM:

INTERVAL	0' to 2313'	2313' to 9478'
HOLE SIZE	12.25"	7.875"
MUD TYPE	FW/Spud Mud	KCl Based LSND / Gel Chemical
WEIGHT	8.80 ppg	8.6-9.2 ppg
VISCOSITY	NC	30-60 sec-qt ¹
WATER LOSS	NC	8-15 cc/30 min

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 ±2313'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'-2313'	2313'	36#	J-55	ST&C	2020	3520	394	8.921	8.765	2.57	4.47	4.73

Production Casing: 5.5" casing set at ±9478'MD/9245'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'-9478'	9478'	17#	N-80	LT&C	6280	7740	348	4.892	4.767	1.80	2.21	2.16

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 ±2313' in 12.25" hole.

LEAD:

±231 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 ft³/sk, 22.95 gal wtr/sx.

TAIL:

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

Total estimated slurry volume for the 9.625" surface casing is 1301.9 ft³. Slurry includes 75% excess of calculated open hole annular volume to 2313'.

B. Production: 5.5", 17#, N-80 (or equiv.), LT&C casing to be set at ±9478' in 7.875" hole.

LEAD:

±314 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 ft³/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 1567.9 ft³. 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 1813' 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 (9478') to the bottom of the surface csg. Run Neutron/Lithodensity/Pe/GR/Cal from TD (9478') to 2313'. Run Gamma Ray to surface.

6. FORMATION TOPS:

Please see attached directional plan.

7. ANTICIPATED OIL, GAS, & WATER ZONES:

- A. No change.

8. BOP EQUIPMENT:

Surface will utilize a 500 psi or greater diverter.

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:**

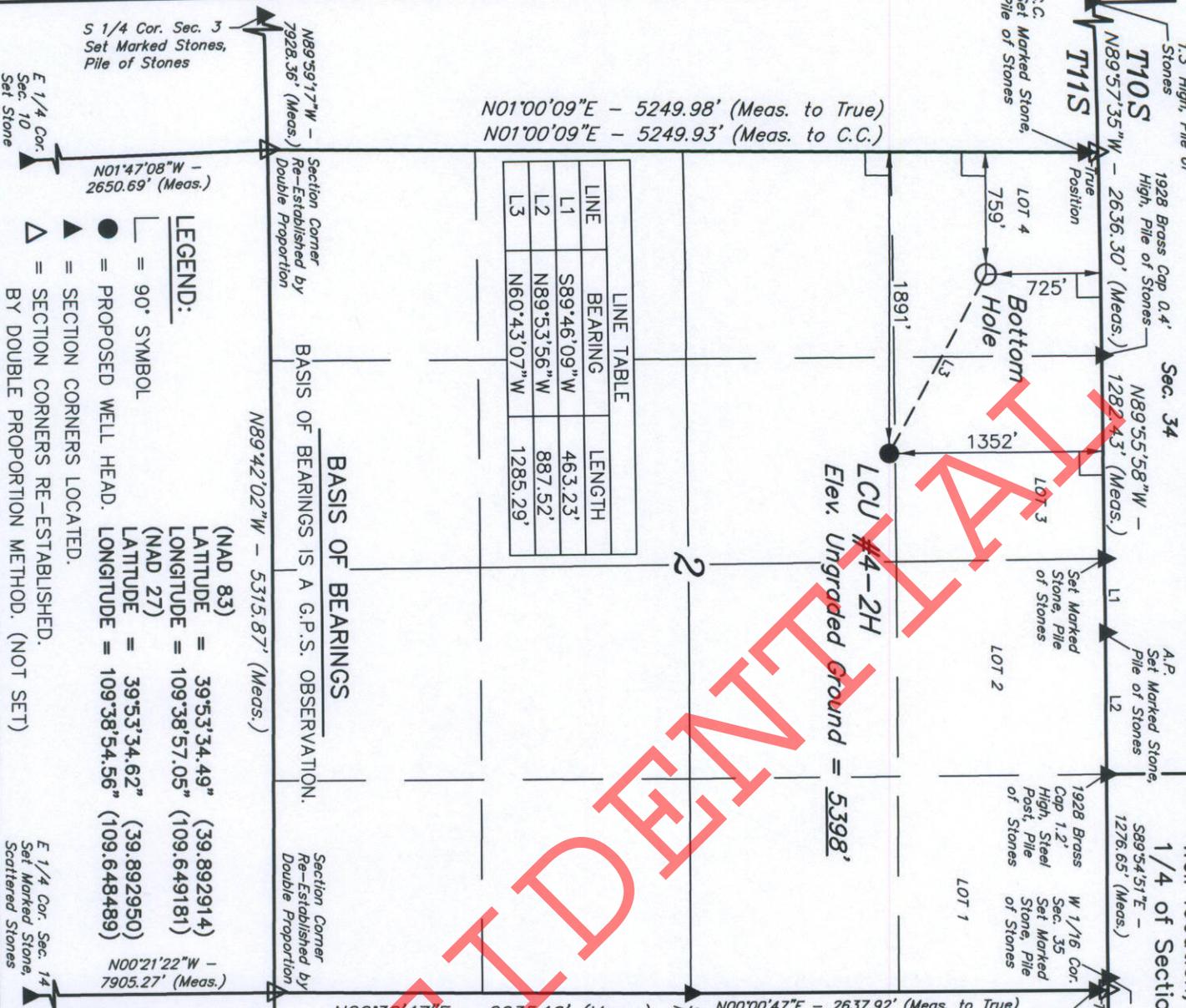
<u>Name</u>	<u>Title</u>	<u>Office Phone</u>	<u>Home Phone</u>
John Egelston	Drilling Engineer	505-333-3163	505-330-6902
Bobby Jackson	Drilling Superintendent	505-333-3224	505-486-4706
Jeff Jackson	Project Geologist	817-885-2800	

CONFIDENTIAL

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

XTO ENERGY, INC.

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



N01°00'09"E - 5249.98' (Meas. to True)
 N01°00'09"E - 5249.93' (Meas. to C.C.)

LINE	BEARING	LENGTH
L1	S89°46'09"W	463.23'
L2	N89°53'56"W	887.52'
L3	N60°43'07"W	1285.29'

BASIS OF BEARINGS

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

N89°42'02"W - 5315.87' (Meas.)

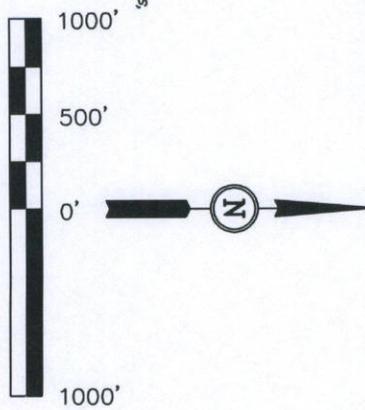
LEGEND:

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

(NAD 83)
 LATITUDE = 39°53'34.49" (39.892914)
 LONGITUDE = 109°38'57.05" (109.649181)
 (NAD 27)
 LATITUDE = 39°53'34.62" (39.892950)
 LONGITUDE = 109°38'54.56" (109.648489)

BASIS OF ELEVATION

SPOT ELEVATION AT THE SOUTHWEST CORNER OF SECTION 20, T10S, R20E, S.L.B.&M. TAKEN FROM THE BIG PACK MTN. NW QUADRANGLE, UTAH, UTAH COUNTY, 7.5 MINUTE QUAD. (TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 5251 FEET.



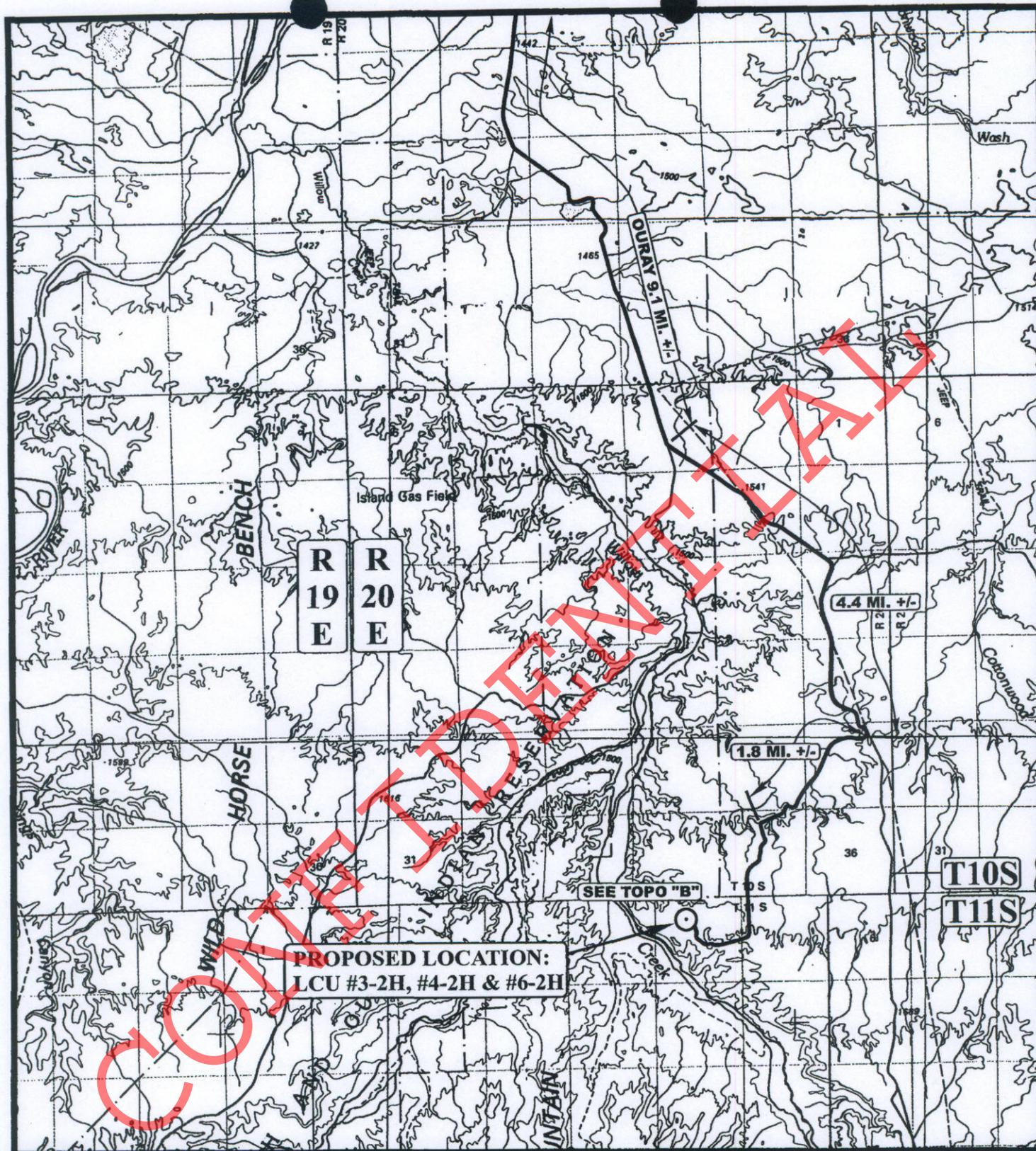
CERTIFICATE

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

REVISOR: 06-17-08 D.P.
 REVISED: 02-11-08 L.K.
 REGISTERED LAND SURVEYOR
 REGISTRATION NO. 161319
 STATE OF UTAH

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

SCALE	1" = 1000'	DATE SURVEYED:	03-20-06	DATE DRAWN:	3-22-06
PARTY	B.B. B.C. P.M.	REFERENCES	G.L.O. PLAT		
WEATHER	COOL	FILE	XTO ENERGY, INC		



**PROPOSED LOCATION:
LCU #3-2H, #4-2H & #6-2H**

LEGEND:

○ PROPOSED LOCATION

XTO ENERGY, INC.

LCU #3-2H, #4-2H & #6-2H
SECTION 2, T11S, R20E, S.L.B.&M.
SE 1/4 NW 1/4



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



TOPOGRAPHIC 03 27 06
MAP MONTH DAY YEAR
SCALE: 1:100,000 DRAWN BY: B.C. REV: 02-11-08 L.K.



EXHIBIT A



Well Name: LCU 4-2H

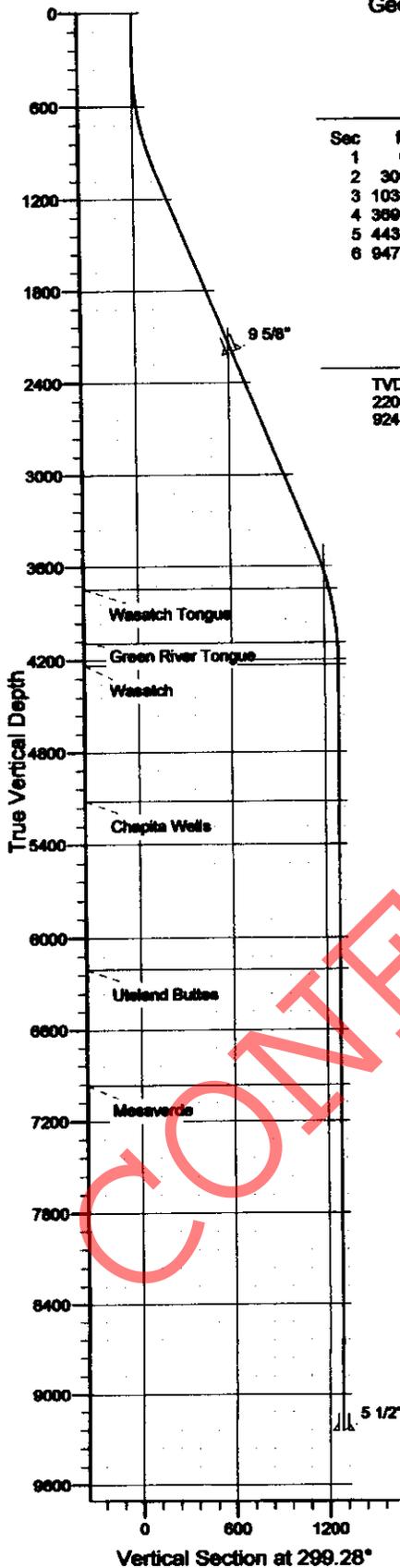
San Juan Division
Drilling Department

Calculation Method: Minimum Curvature
Geodetic Datum: North American Datum 1983
Lat: 39° 53' 34.440 N
Long: 109° 38' 56.796 W



Azimuths to True North
Magnetic North: 11.47°

Magnetic Field
Strength: 52556.1nT
Dip Angle: 85.83°
Date: 8/3/2008
Model: IGRF200510



SECTION DETAILS

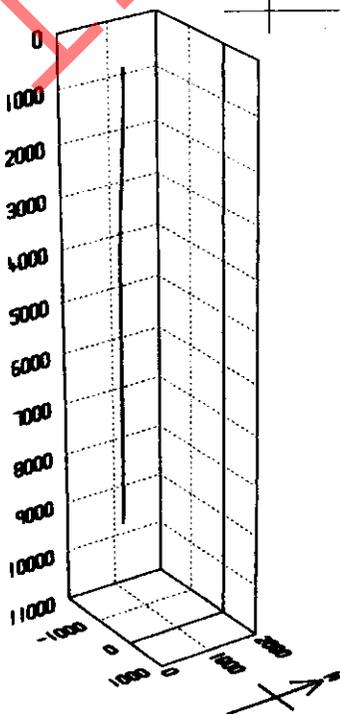
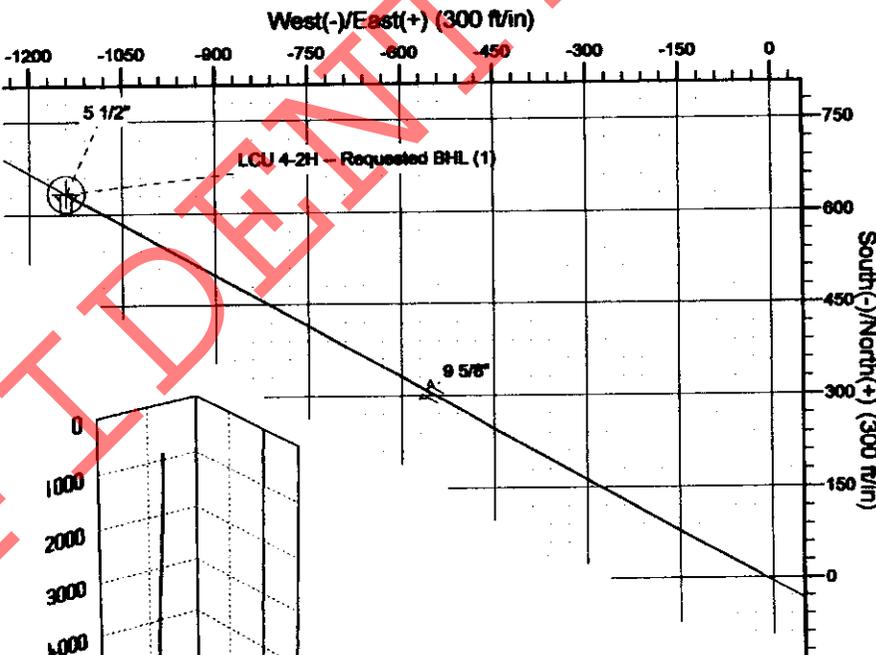
Sec	MD	Inc	Azi	TVD	+N-S	+E-W	DLeg	TFace	VSec	Target
1	0.0	0.00	0.00	0.0	5.1	-19.9	0.00	0.00	0.0	
2	300.0	0.00	0.00	300.0	5.1	-19.9	0.00	0.00	0.0	
3	1039.7	22.19	299.28	1021.3	74.3	-143.3	3.00	299.28	141.5	
4	3693.8	22.19	299.28	3478.7	564.5	-1017.6	0.00	0.00	1143.8	
5	4433.3	0.00	0.00	4200.0	633.7	-1141.0	3.00	180.00	1285.3	LCU 4-2H - Requested BHL (1)
6	8478.3	0.00	0.00	8245.0	633.7	-1141.0	0.00	0.00	1285.3	

CASING DETAILS

TVD	MD	Name	Size
2200.0	2312.6	9 5/8"	9-5/8
9245.0	9478.3	5 1/2"	5-1/2

FORMATION TOP DETAILS

TVDPath	MDPath	Formation
3742.0	3870.8	Wasatch Tongue
4087.0	4320.2	Green River Tongue
4232.0	4465.3	Wasatch
5117.0	5350.3	Chapita Wells
6202.0	6435.3	Uteland Buttes
6887.0	7200.3	Mesaverde



XTO Energy

Natural Buttes Wells(NAD83)

LCU 3-2H

LCU 4-2H

LCU 4-2H

Plan: Sundry'd Wellbore

Standard Planning Report

03 August, 2008

CONFIDENTIAL

XTO Energy, Inc.
Planning Report

Database: EDM 2003.14 Single User Db
Company: XTO Energy
Project: Natural Buttes Wells(NAD83)
Site: LCU 3-2H
Well: LCU 4-2H
Wellbore: LCU 4-2H
Design: Sundry'd Wellbore

Local Co-ordinate Reference:
TVD Reference:
MD Reference:
North Reference:
Survey Calculation Method:

Site LCU 3-2H
Rig KB @ 5412.0ft (Frontier #6)
Rig KB @ 5412.0ft (Frontier #6)
True
Minimum Curvature

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

Site	LCU 3-2H, T11S, R20E		
Site Position:		Northing:	3,125,893.90 ft
From:	Lat/Long	Easting:	2,159,859.43 ft
Position Uncertainty:	0.0 ft	Slot Radius:	"
		Latitude:	39° 53' 34.440 N
		Longitude:	109° 38' 56.796 W
		Grid Convergence:	1.22 °

Well	LCU 4-2H, S-Well to Wasatch/Mesaverde		
Well Position	+N-S	5.1 ft	Northing: 3,125,898.57 ft
	+E-W	-19.9 ft	Easting: 2,159,839.40 ft
Position Uncertainty	0.0 ft	Wellhead Elevation:	5,398.0 ft
		Latitude:	39° 53' 34.490 N
		Longitude:	109° 38' 57.052 W
		Ground Level:	5,398.0 ft

Wellbore	LCU 4-2H		
Magnetics	Model Name	Sample Date	Declination (°)
	IGRF200510	8/3/2008	11.47
			Dip Angle (°)
			65.83
			Field Strength (nT)
			52,556

Design	Sundry'd Wellbore		
Audit Notes:			
Version:	Phase:	PROTOTYPE	Tie On Depth: 0.0
Vertical Section:	Depth From (TVD) (ft)	+N-S (ft)	+E-W (ft)
	0.0	5.1	-19.9
			Direction (°)
			299.28

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	5.1	-19.9	0.00	0.00	0.00	0.00	
300.0	0.00	0.00	300.0	5.1	-19.9	0.00	0.00	0.00	0.00	
1,038.7	22.19	299.28	1,021.3	74.3	-143.3	3.00	3.00	0.00	299.28	
3,693.6	22.19	299.28	3,478.7	584.5	-1,017.6	0.00	0.00	0.00	0.00	
4,433.3	0.00	0.00	4,200.0	633.7	-1,141.0	3.00	-3.00	0.00	180.00	LCU 4-2H -- Request
9,478.3	0.00	0.00	9,245.0	633.7	-1,141.0	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 Buries Wells(NAD83)
Site: LCU 3-2H
Well: LCU 4-2H
Wellbore: LCU 4-2H
Design: Sundry'd Wellbore

Local Co-ordinate Reference:
TVD Reference:
MD Reference:
North Reference:
Survey Calculation Method:

Site LCU 3-2H
Rig KB @ 5412.0ft (Frontier #6)
Rig KB @ 5412.0ft (Frontier #6)
 True
 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	5.1	-19.9	0.0	0.00	0.00	0.00
100.0	0.00	0.00	100.0	5.1	-19.9	0.0	0.00	0.00	0.00
200.0	0.00	0.00	200.0	5.1	-19.9	0.0	0.00	0.00	0.00
300.0	0.00	0.00	300.0	5.1	-19.9	0.0	0.00	0.00	0.00
400.0	3.00	299.28	400.0	6.4	-22.2	2.6	3.00	3.00	0.00
500.0	6.00	299.28	499.6	10.2	-29.1	10.5	3.00	3.00	0.00
600.0	9.00	299.28	598.8	16.6	-40.4	23.5	3.00	3.00	0.00
700.0	12.00	299.28	697.1	25.5	-56.3	41.7	3.00	3.00	0.00
800.0	15.00	299.28	794.3	36.9	-76.7	65.1	3.00	3.00	0.00
900.0	18.00	299.28	890.2	50.8	-101.5	93.5	3.00	3.00	0.00
1,000.0	21.00	299.28	984.4	67.1	-130.6	126.9	3.00	3.00	0.00
1,039.7	22.19	299.28	1,021.3	74.3	-143.3	141.5	3.00	3.00	0.00
1,100.0	22.19	299.28	1,077.2	85.4	-163.2	164.2	0.00	0.00	0.00
1,200.0	22.19	299.28	1,169.8	103.9	-196.1	202.0	0.00	0.00	0.00
1,300.0	22.19	299.28	1,262.4	122.4	-229.1	239.8	0.00	0.00	0.00
1,400.0	22.19	299.28	1,355.0	140.8	-262.0	277.5	0.00	0.00	0.00
1,500.0	22.19	299.28	1,447.6	159.3	-295.0	315.3	0.00	0.00	0.00
1,600.0	22.19	299.28	1,540.1	177.8	-327.9	353.1	0.00	0.00	0.00
1,700.0	22.19	299.28	1,632.7	196.3	-360.8	390.9	0.00	0.00	0.00
1,800.0	22.19	299.28	1,725.3	214.7	-393.8	428.6	0.00	0.00	0.00
1,900.0	22.19	299.28	1,817.9	233.2	-426.7	466.4	0.00	0.00	0.00
2,000.0	22.19	299.28	1,910.5	251.7	-459.7	504.2	0.00	0.00	0.00
2,100.0	22.19	299.28	2,003.1	270.2	-492.6	541.9	0.00	0.00	0.00
2,200.0	22.19	299.28	2,095.7	288.6	-525.6	579.7	0.00	0.00	0.00
2,300.0	22.19	299.28	2,188.3	307.1	-558.5	617.5	0.00	0.00	0.00
2,312.6	22.19	299.28	2,200.0	309.4	-562.7	622.2	0.00	0.00	0.00
9 5/8"									
2,400.0	22.19	299.28	2,280.9	325.6	-591.5	655.2	0.00	0.00	0.00
2,500.0	22.19	299.28	2,373.5	344.0	-624.4	693.0	0.00	0.00	0.00
2,600.0	22.19	299.28	2,466.1	362.5	-657.3	730.8	0.00	0.00	0.00
2,700.0	22.19	299.28	2,558.7	381.0	-690.3	768.6	0.00	0.00	0.00
2,800.0	22.19	299.28	2,651.3	399.5	-723.2	806.3	0.00	0.00	0.00
2,900.0	22.19	299.28	2,743.9	417.9	-756.2	844.1	0.00	0.00	0.00
3,000.0	22.19	299.28	2,836.4	436.4	-789.1	881.9	0.00	0.00	0.00
3,100.0	22.19	299.28	2,929.0	454.9	-822.1	919.6	0.00	0.00	0.00
3,200.0	22.19	299.28	3,021.6	473.4	-855.0	957.4	0.00	0.00	0.00
3,300.0	22.19	299.28	3,114.2	491.8	-887.9	995.2	0.00	0.00	0.00
3,400.0	22.19	299.28	3,206.8	510.3	-920.9	1,032.9	0.00	0.00	0.00
3,500.0	22.19	299.28	3,299.4	528.8	-953.8	1,070.7	0.00	0.00	0.00
3,600.0	22.19	299.28	3,392.0	547.3	-986.8	1,108.5	0.00	0.00	0.00
3,693.6	22.19	299.28	3,478.7	564.5	-1,017.6	1,143.8	0.00	0.00	0.00
3,700.0	22.00	299.28	3,484.6	565.7	-1,019.7	1,146.2	3.00	-3.00	0.00
3,800.0	19.00	299.28	3,578.3	582.8	-1,050.3	1,181.3	3.00	-3.00	0.00
3,900.0	16.00	299.28	3,673.8	597.5	-1,078.5	1,211.3	3.00	-3.00	0.00
3,970.8	13.88	299.28	3,742.0	606.5	-1,092.4	1,229.6	3.00	-3.00	0.00
Wasatch Tongue									
4,000.0	13.00	299.28	3,770.4	609.8	-1,096.3	1,236.4	3.00	-3.00	0.00
4,100.0	10.00	299.28	3,868.4	619.5	-1,115.7	1,256.3	3.00	-3.00	0.00
4,200.0	7.00	299.28	3,967.3	626.8	-1,128.6	1,271.1	3.00	-3.00	0.00
4,300.0	4.00	299.28	4,066.8	631.5	-1,136.9	1,280.6	3.00	-3.00	0.00
4,320.2	3.39	299.28	4,087.0	632.1	-1,138.1	1,281.9	3.00	-3.00	0.00
Green River Tongue									
4,400.0	1.00	299.28	4,166.7	633.6	-1,140.7	1,285.0	3.00	-3.00	0.00

XTO Energy, Inc.
 Planning Report

Database: EDM 2003.14 Single User Db
Company: XTO Energy
Project: Natural Buttes Wells(NAD83)
Site: LCU 3-2H
Well: LCU 4-2H
Wellbore: LCU 4-2H
Design: Sundry'd Wellbore

Local Co-ordinate Reference:
TVD Reference:
MD Reference:
North Reference:
Survey Calculation Method:

Site LCU 3-2H
Rig KB @ 5412.0ft (Frontier #6)
Rig KB @ 5412.0ft (Frontier #6)
True
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)
4,433.3	0.00	0.00	4,200.0	633.7	-1,141.0	1,285.3	3.00	-3.00	0.00
LCU 4-2H - Requested BHL (1)									
4,465.3	0.00	0.00	4,232.0	633.7	-1,141.0	1,285.3	0.00	0.00	0.00
Wasatch									
4,500.0	0.00	0.00	4,266.7	633.7	-1,141.0	1,285.3	0.00	0.00	0.00
4,600.0	0.00	0.00	4,366.7	633.7	-1,141.0	1,285.3	0.00	0.00	0.00
4,700.0	0.00	0.00	4,466.7	633.7	-1,141.0	1,285.3	0.00	0.00	0.00
4,800.0	0.00	0.00	4,566.7	633.7	-1,141.0	1,285.3	0.00	0.00	0.00
4,900.0	0.00	0.00	4,666.7	633.7	-1,141.0	1,285.3	0.00	0.00	0.00
5,000.0	0.00	0.00	4,766.7	633.7	-1,141.0	1,285.3	0.00	0.00	0.00
5,100.0	0.00	0.00	4,866.7	633.7	-1,141.0	1,285.3	0.00	0.00	0.00
5,200.0	0.00	0.00	4,966.7	633.7	-1,141.0	1,285.3	0.00	0.00	0.00
5,300.0	0.00	0.00	5,066.7	633.7	-1,141.0	1,285.3	0.00	0.00	0.00
5,350.3	0.00	0.00	5,117.0	633.7	-1,141.0	1,285.3	0.00	0.00	0.00
Chapita Wells									
5,400.0	0.00	0.00	5,166.7	633.7	-1,141.0	1,285.3	0.00	0.00	0.00
5,500.0	0.00	0.00	5,266.7	633.7	-1,141.0	1,285.3	0.00	0.00	0.00
5,600.0	0.00	0.00	5,366.7	633.7	-1,141.0	1,285.3	0.00	0.00	0.00
5,700.0	0.00	0.00	5,466.7	633.7	-1,141.0	1,285.3	0.00	0.00	0.00
5,800.0	0.00	0.00	5,566.7	633.7	-1,141.0	1,285.3	0.00	0.00	0.00
5,900.0	0.00	0.00	5,666.7	633.7	-1,141.0	1,285.3	0.00	0.00	0.00
6,000.0	0.00	0.00	5,766.7	633.7	-1,141.0	1,285.3	0.00	0.00	0.00
6,100.0	0.00	0.00	5,866.7	633.7	-1,141.0	1,285.3	0.00	0.00	0.00
6,200.0	0.00	0.00	5,966.7	633.7	-1,141.0	1,285.3	0.00	0.00	0.00
6,300.0	0.00	0.00	6,066.7	633.7	-1,141.0	1,285.3	0.00	0.00	0.00
6,400.0	0.00	0.00	6,166.7	633.7	-1,141.0	1,285.3	0.00	0.00	0.00
6,435.3	0.00	0.00	6,202.0	633.7	-1,141.0	1,285.3	0.00	0.00	0.00
Uteland Buttes									
6,500.0	0.00	0.00	6,266.7	633.7	-1,141.0	1,285.3	0.00	0.00	0.00
6,600.0	0.00	0.00	6,366.7	633.7	-1,141.0	1,285.3	0.00	0.00	0.00
6,700.0	0.00	0.00	6,466.7	633.7	-1,141.0	1,285.3	0.00	0.00	0.00
6,800.0	0.00	0.00	6,566.7	633.7	-1,141.0	1,285.3	0.00	0.00	0.00
6,900.0	0.00	0.00	6,666.7	633.7	-1,141.0	1,285.3	0.00	0.00	0.00
7,000.0	0.00	0.00	6,766.7	633.7	-1,141.0	1,285.3	0.00	0.00	0.00
7,100.0	0.00	0.00	6,866.7	633.7	-1,141.0	1,285.3	0.00	0.00	0.00
7,200.0	0.00	0.00	6,966.7	633.7	-1,141.0	1,285.3	0.00	0.00	0.00
7,200.3	0.00	0.00	6,967.0	633.7	-1,141.0	1,285.3	0.00	0.00	0.00
Mesa Verde									
7,300.0	0.00	0.00	7,066.7	633.7	-1,141.0	1,285.3	0.00	0.00	0.00
7,400.0	0.00	0.00	7,166.7	633.7	-1,141.0	1,285.3	0.00	0.00	0.00
7,500.0	0.00	0.00	7,266.7	633.7	-1,141.0	1,285.3	0.00	0.00	0.00
7,600.0	0.00	0.00	7,366.7	633.7	-1,141.0	1,285.3	0.00	0.00	0.00
7,700.0	0.00	0.00	7,466.7	633.7	-1,141.0	1,285.3	0.00	0.00	0.00
7,800.0	0.00	0.00	7,566.7	633.7	-1,141.0	1,285.3	0.00	0.00	0.00
7,900.0	0.00	0.00	7,666.7	633.7	-1,141.0	1,285.3	0.00	0.00	0.00
8,000.0	0.00	0.00	7,766.7	633.7	-1,141.0	1,285.3	0.00	0.00	0.00
8,100.0	0.00	0.00	7,866.7	633.7	-1,141.0	1,285.3	0.00	0.00	0.00
8,200.0	0.00	0.00	7,966.7	633.7	-1,141.0	1,285.3	0.00	0.00	0.00
8,300.0	0.00	0.00	8,066.7	633.7	-1,141.0	1,285.3	0.00	0.00	0.00
8,400.0	0.00	0.00	8,166.7	633.7	-1,141.0	1,285.3	0.00	0.00	0.00
8,500.0	0.00	0.00	8,266.7	633.7	-1,141.0	1,285.3	0.00	0.00	0.00
8,600.0	0.00	0.00	8,366.7	633.7	-1,141.0	1,285.3	0.00	0.00	0.00
8,700.0	0.00	0.00	8,466.7	633.7	-1,141.0	1,285.3	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: LCU 3-2H
Well: LCU 4-2H
Wellbore: LCU 4-2H
Design: Sundry'd Wellbore

Local Co-ordinate Reference:
TVD Reference:
MD Reference:
North Reference:
Survey Calculation Method:

Site LCU 3-2H
Rig KB @ 5412.0ft (Frontier #8)
Rig KB @ 5412.0ft (Frontier #8)
True
Minimum Curvature

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N-S (ft)	+E-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
8,800.0	0.00	0.00	8,566.7	633.7	-1,141.0	1,285.3	0.00	0.00	0.00
8,900.0	0.00	0.00	8,666.7	633.7	-1,141.0	1,285.3	0.00	0.00	0.00
9,000.0	0.00	0.00	8,766.7	633.7	-1,141.0	1,285.3	0.00	0.00	0.00
9,100.0	0.00	0.00	8,866.7	633.7	-1,141.0	1,285.3	0.00	0.00	0.00
9,200.0	0.00	0.00	8,966.7	633.7	-1,141.0	1,285.3	0.00	0.00	0.00
9,300.0	0.00	0.00	9,066.7	633.7	-1,141.0	1,285.3	0.00	0.00	0.00
9,400.0	0.00	0.00	9,166.7	633.7	-1,141.0	1,285.3	0.00	0.00	0.00
9,478.3	0.00	0.00	9,245.0	633.7	-1,141.0	1,285.3	0.00	0.00	0.00
5 1/2"									

Targets

Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N-S (ft)	+E-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
LCU 4-2H - Requested	0.00	0.00	4,200.0	633.7	-1,141.0	3,126,503.18	2,158,705.19	39° 53' 40.701 N	109° 39' 11.432 W
- hit/wide target									
- Shape									
- plan hits target									
- Circle (radius 30.0)									

Casing Points

Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (")	Hole Diameter (")
2,312.6	2,200.0	9 5/8"	9-5/8	12-1/4
9,478.3	9,245.0	5 1/2"	5-1/2	7-7/8

Formations

Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)
3,970.8	3,742.0	Wasatch Tongue		0.00	
4,320.2	4,067.0	Green River Tongue		0.00	
4,465.3	4,232.0	Wasatch		0.00	
5,350.3	5,117.0	Chapita Wells		0.00	
6,435.3	6,202.0	Uteland Buttes		0.00	
7,200.3	6,967.0	Mesaverde		0.00	

SURFACE USE PLAN

Name of Operator: XTO Energy Inc.

Address: 382 CR 3100
Aztec, NM 87410

Well Location: LCU 4-2H
Surface: 1352' FNL & 1891' FWL, SE/4 NW/4
BHL: 725' FNL & 759' FWL, NW/4 NW/4
Section 2, T11S, R20E, SLB&M, Uintah County, Utah

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

The proposed well will utilize the previously approved LCU 6-2H/LCU 3-2H pad and access and pipeline corridors.

1. Existing Roads:

- a. The proposed access route to the location shown on the USGS quadrangle map (see Exhibit "A").
- b. The proposed well site is located approximately 13.60 miles southwest of Ouray, Utah.
- c. Proceed in a westerly direction from Vernal, Utah along U.S. Highway 40 for approximately 14.0 miles to the junction of State Highway 88. Exit left and proceed in a southerly direction for approximately 17.0 miles to Ouray, Utah. Proceed in a southerly direction for approximately 13.5 miles on the Seed Ridge Road to the junction of this road and an existing road to the southwest. Turn right and proceed in a southwesterly direction for approximately 1.8 miles to the junction of this road and an existing road to the south. Turn left and proceed in a southerly, then westerly direction for approximately 1.8 mile to the beginning of the proposed access for the 5-2H and 11-2H to the northwest. Follow the road flags in a northwesterly direction for approximately 0.2 miles to the beginning of the proposed access to the north. Follow the road flags in a northerly, then northwesterly direction for approximately 0.2 miles to the proposed location.
- d. All existing roads within a one (1) mile radius of the proposed well site are shown in Exhibit "B". If necessary, all existing roads that will be used for access to the proposed well location will be maintained to the current condition, or better, unless BLM or SITLA approval or consent is given to upgrade the existing road(s).
- e. The use of roads under State and County Road Department maintenance are necessary to access the Little Canyon Unit Area. However, an encroachment permit is not anticipated since no upgrades to the State or County Road system are proposed at this time.
- f. All existing roads will be maintained and kept in good repair during all phases of operation.

- g. Vehicle operators will obey posted speed restrictions and observe safe speeds commensurate with road and weather conditions.
- h. Since no improvements are anticipated to the to the State, County, Tribal or BLM access roads, no topsoil stripping will occur.
- i. An off-lease federal Right-of-Way is not anticipated for the access road since access presently exists to the lease boundary.

2. Planned Access Roads:

- a. Location (centerline): from the existing LCU 5-2H access road an access is proposed trending northwest for approximately 0.2 miles to the proposed well site. A road design plan is not anticipated at this time.
- b. The proposed access road will consist on 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. No turnouts are proposed since adequate site distance exists in all directions.
- e. A maximum grade of 10% will be maintained throughout the project with no cuts and fills required to access the well.
- f. No gates or cattle guards are anticipated at this time.
- g. Surface disturbance and vehicular travel will be limited to the approved location access road.
- h. Adequate drainage structures and culverts will be incorporated into the road where practical.
- i. No surfacing material will come from SITLA, Federal, or Tribal lands.
- 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 and Guidelines for Oil and Gas Exploration and Development (Gold Book – Fourth Edition – Revised 2007).
- k. The operator will be responsible for all maintenance of the access roads, including any anticipated drainage structures.
- l. Other: See general information below.
 - If any additional Right-of-Way is necessary, no surface disturbing activities shall take place on the subject Right-of-Way until the associated APD is approved. The holder will adhere to conditions of approval in the Surface Use Program of the approved APD, relevant to any Right-of-Way facilities.
 - If a Right-of-Way is secured, boundary adjustments in the lease or unit shall automatically amend this Right-of-Way to include that portion of the facilities no longer contained within the lease or unit. In the event of an automatic amendment to this Right-of-Way grant, the prior on-lease/unit conditions of approval of this facility will not be affected even

- If at any time the facilities located on public lands authorized by the terms of this lease are no longer included in the lease (due to a contraction in the unit or lease or unit boundary change) the BLM will process a change in authorization to the appropriate statute. The authorization will be subject to appropriate rental, or other financial obligations as determined by the BLM.
- If the well is productive, the access road will be rehabilitated as needed and brought to Resource (Class II) Road Standards within a time period specified by SITLA or the BLM. If upgraded, the access road must be maintained at these standards until the well is properly abandoned. If this time frame cannot be met, the Field Office Manager will be notified so that temporary drainage control can be installed along the access road.

3. Location of Existing Wells:

- a. All wells in a one (1) mile radius are shown within Exhibit "C".

4. Location of Existing and or Proposed Production Facilities:

- a. On-site facilities: Typical on-site facilities will consist of a wellhead, flowlines (typically 3" dia.), artificial lifting system (if necessary), wellhead compression (if necessary), gas/oil/water separator (3 phase), gas measurement and water measurement equipment, and a heated enclosure/building for weather and environmental protection. The tank battery will typically be constructed and surrounded by a berm of sufficient capacity to contain 1 ½ times the storage capacity of the largest tank. The tanks typically necessary for the production of this well will be 1 – 300 bbl steel, above ground tank for oil/condensate and 1 – 300 bbl steel, above ground tank for produced water. All loading lines and valves for these tanks will be placed inside the berm surrounding the tank battery.
- All oil/condensate production and measurement shall conform to the provision of 43 CFR 3162.7 and Onshore Oil and Gas Order No. 4, if applicable. Other on-site equipment and systems may include methanol injection and winter weather protection.
 - All permanent (in place for six (6) months or longer) structures constructed or installed on the well site location will be painted a flat, non-reflective color, matching the ground and not sky, slightly darker than the adjacent landscape, as specified by the COA's in the approved APD. All facilities will be painted within six (6) months of installation. Facilities required to comply with the Occupations Safety and Health Act (OSHA) may be excluded.
 - Site security guidelines identified in 43 CFR 3163.7-5 and Onshore Oil and Gas Order No. 3 will be adhered to.
- b. Off- site facilities: None.
- c. A gas meter run will be constructed and located on lease within 500 feet of the well head. 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. 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.
- f. A pipeline corridor containing a single steel gas pipeline and a single steel or poly water pipeline is associated with this application and is being applied for at this time. The proposed pipeline corridor will leave the southeast side of the well site and traverse 1157' southeast to the existing LCU 5-2H pipeline corridor (see Exhibit "D").
- g. 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 1157 feet is associated with this application.
- h. The proposed pipeline and pipeline upgrade are contained within SITLA surface.
- i. 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 pipeline will be laid for this well.
- b. No water well will be drilled for this well.
- c. Drilling water for this well will be hauled on the road(s) shown in Exhibit "B".
- d. Water will be hauled from one of the following sources:
 - Water Permit #43-10447, Section 33, T8S, R20E;
 - Water Permit # 43-2189, Section 33, T8S, R20E;
 - Water Permit # 49-2158, Section 33, T8S, R20E;
 - Water Permit # 49-2262, Section 33, T8S, R20E;
 - Water Permit # 49-1645, Section 5, T9S, R22E;
 - Water Permit # 49-9077, Section 32, T6S, R20E;
 - 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 SITLA, 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 southwest side of the pad.
- d. The reserve pit will be constructed so as not to leak, breach, or allow for any discharge.
- e. The reserve pit will be lined with a 20 ml 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. The pit walls will be sloped not greater than 2:1. A minimum 2-foot of freeboard will be maintained in the pit at all times during the drilling and completion operations.
- 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 and a bird net installed 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 the construction of the production facilities is complete. 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 proper 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 No. 7.
- l. Any salts and/or chemical, 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 onsite 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 "E")

- a. The well will be properly identified in accordance with 43 CFR 3162.6.
- b. Access to the well pad will be from the southeast.
- c. The pad and road designs are consistent with BLM and SITLA specifications.
- d. A pre-construction meeting with responsible company representatives, contractors, and 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 on 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 specification 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 and storm water BMP's installed around the well site to prevent surface water from entering the well site.
- i. The site surface will be graded to drain away from the pit to avoid pit spillage during large storm events.
- j. The reserve pit will be properly fenced and a bird net installed to prevent any livestock, wildlife or migratory bird entry, and will remain so until site clean-up.
- k. All access roads will be maintained as necessary to prevent erosion and accommodate year-round traffic. The road will be maintained in a safe and useable condition.
- l. The stockpiled topsoil (first 6 inches or maximum available) will be stored in a windrow on the uphill side of the location to prevent possible contamination. All topsoil will be stockpiled for reclamation in such a way as to prevent soil loss and/or contamination.

- m. The blooie line will be located at least 100 feet from the well head.
- n. 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 the production well will be accomplished for the 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 liner shall be torn and perforated before backfilling of the reserve pit. The reserve pit and that torn portion of the location not needed for production facilities/operations will be re-contoured to match the appropriate natural contours of the area.
- c. Following the BLM published Best Management Practices and per the signed 2009 Reclamation Plan, the interim reclamation will be completed within 90 days of well completion or 120 days of wells spud (weather permitting) to reestablish vegetation, reduce dust and erosion and compliment the visual resources of the area.
 - All equipment and debris will be removed from the area proposed for interim reclamation and the pit area will be backfilled and re-contoured to match the surrounding topography.
 - The area outside the rig anchors and other disturbed areas not needed for the operation of the well will be re-contoured to blend in with the surrounding topography and reseeded as prescribed by SITLA.
 - 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 the 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 other possibly hazardous chemicals.
- e. Prior to final abandonment of the site, all disturbed areas, including access roads will be scarified and left with a rough surface. The site will then be reseeded and/or planted as prescribed by SITLA. A 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, Salt Lake City, Utah 84102; 801-538-5100.
- b. Surface Ownership – State of Utah – under the management of the SITLA – State Office, 675 East 500 South, Salt Lake City, Utah 84102; 801-538-5100.

12. Other Information:

- a. AIA Archaeological conducted a Class III archeological survey. A copy of the report was submitted under separate cover to the appropriate agencies with the first filing of this proposed APD
- b. Alden Hamblin conducted a paleontological survey. A copy of the original report was submitted under separate cover to the appropriate agencies with the first filing of this proposed APD.

CONFIDENTIAL

XTO ENERGY, INC.
LCU #3-2H, #4-2H & #6-2H
LOCATED IN UINTAH COUNTY, UTAH
SECTION 2, T11S, R20E, S.L.B.&M.

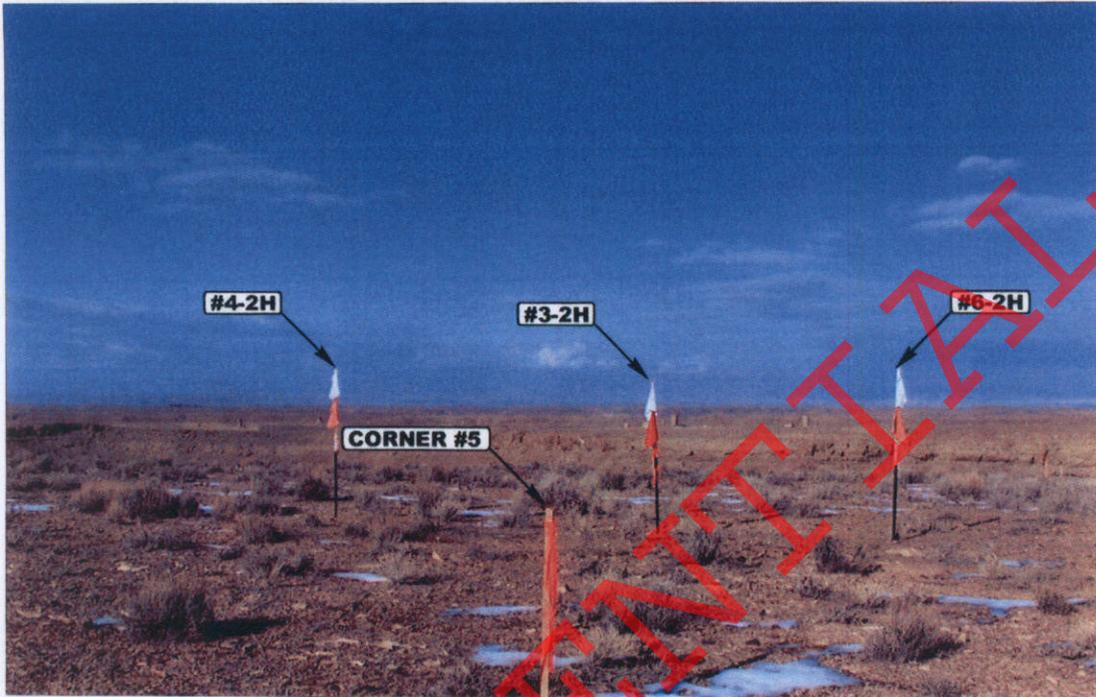


PHOTO: VIEW FROM CORNER #5 TO LOCATION STAKES

CAMERA ANGLE: NORTHEASTERLY



PHOTO: VIEW FROM BEGINNING OF PROPOSED ACCESS

CAMERA ANGLE: NORTHERLY



- Since 1964 -

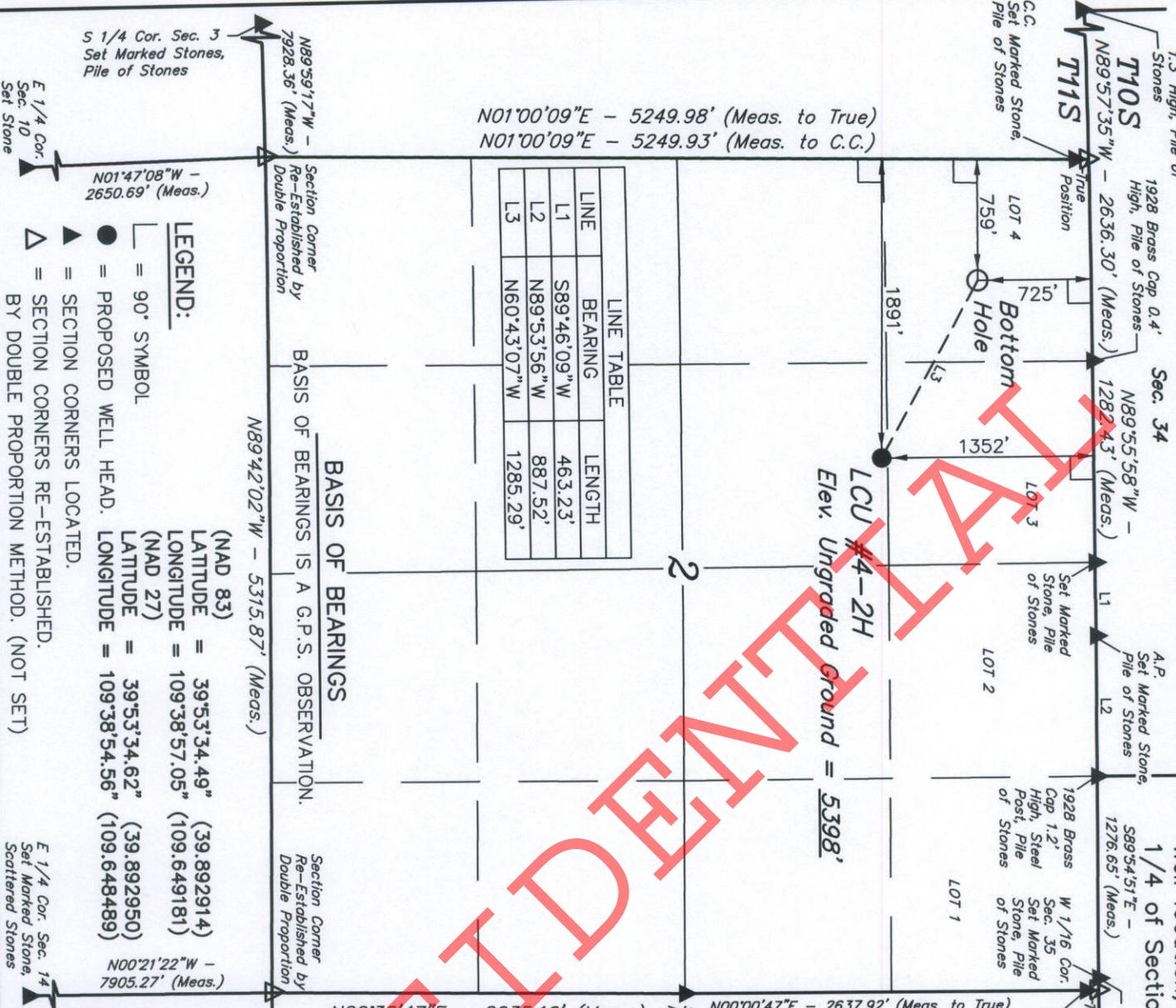
UELS Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
435-789-1017 uels@uelsinc.com

LOCATION PHOTOS	03	27	06	PHOTO
	MONTH	DAY	YEAR	
TAKEN BY: B.B.	DRAWN BY: B.C.		REV: 02-11-08 L.K.	

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

XTO ENERGY, INC.

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



LINE	BEARING	LENGTH
L1	S89°46'09"W	463.23'
L2	N89°53'56"W	887.52'
L3	N60°43'07"W	1285.29'

BASIS OF BEARINGS

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

N89°42'02"W - 5315.87' (Meas.)

LEGEND:

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

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

SCALE 1" = 1000'

PARTY B.B. B.C. P.M.

WEATHER COOL

DATE SURVEYED: 03-20-06 DATE DRAWN: 3-22-06

REFERENCES G.L.O. PLAT

FILE XTO ENERGY, INC

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

REVISOR: 06-17-08 D.P.P.
 REVISED: 02-11-08 L.K.

REGISTERED LAND SURVEYOR
 REGISTRATION NO. 161319
 STATE OF UTAH

SCALE 1" = 1000'

CERTIFICATE

BASIS OF ELEVATION

SPOT ELEVATION AT THE SOUTHWEST CORNER OF SECTION 20, T10S, R20E, S.L.B.&M. TAKEN FROM THE BIG PACK MTN. NW QUADRANGLE, UTAH, UTAH COUNTY, 7.5 MINUTE QUAD. (TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 5251 FEET.

LCU #4-2H Elev. Ungraded Ground = 5398'

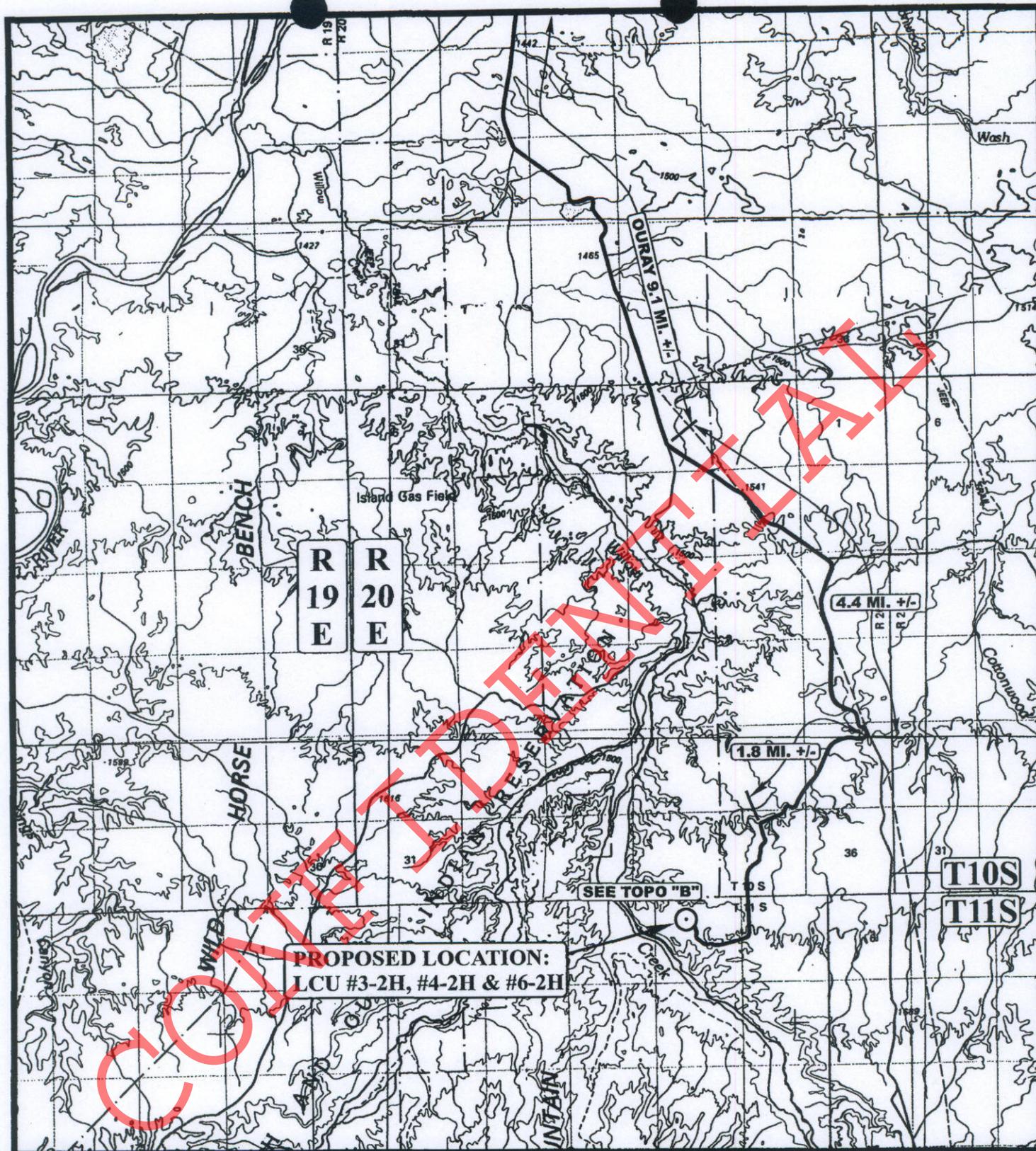
Section Corner Re-Established by Double Proportion

XTO ENERGY, INC.
LCU #3-2H, #4-2H & #6-2H
SECTION 2, T11S, R20E, S.L.B.&M.

PROCEED IN A WESTERLY DIRECTION FROM VERNAL, UTAH ALONG U.S. HIGHWAY 40 APPROXIMATELY 14.0 MILES TO THE JUNCTION OF STATE HIGHWAY 88; EXIT LEFT AND PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 17.0 MILES TO OURAY, UTAH; PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 13.5 MILES ON THE SEEP RIDGE ROAD TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTHWEST; TURN RIGHT AND PROCEED IN A SOUTHWESTERLY DIRECTION APPROXIMATELY 1.8 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTH; TURN LEFT AND PROCEED IN A SOUTHERLY, THEN WESTERLY DIRECTION APPROXIMATELY 1.8 MILES TO THE BEGINNING OF THE PROPOSED ACCESS FOR THE #5-2H & #11-2H TO THE NORTHWEST; FOLLOW ROAD FLAGS IN A NORTHWESTERLY DIRECTION APPROXIMATELY 0.2 MILES TO THE BEGINNING OF THE PROPOSED ACCESS TO THE NORTH; FOLLOW ROAD FLAGS IN A NORTHERLY, THEN NORTHWESTERLY DIRECTION APPROXIMATELY 0.2 MILES TO THE PROPOSED LOCATION.

TOTAL DISTANCE FROM VERNAL, UTAH TO THE PROPOSED WELL LOCATION IS APPROXIMATELY 48.5 MILES.

CONFIDENTIAL



**PROPOSED LOCATION:
LCU #3-2H, #4-2H & #6-2H**

LEGEND:

○ PROPOSED LOCATION

XTO ENERGY, INC.

LCU #3-2H, #4-2H & #6-2H
SECTION 2, T11S, R20E, S.L.B.&M.
SE 1/4 NW 1/4



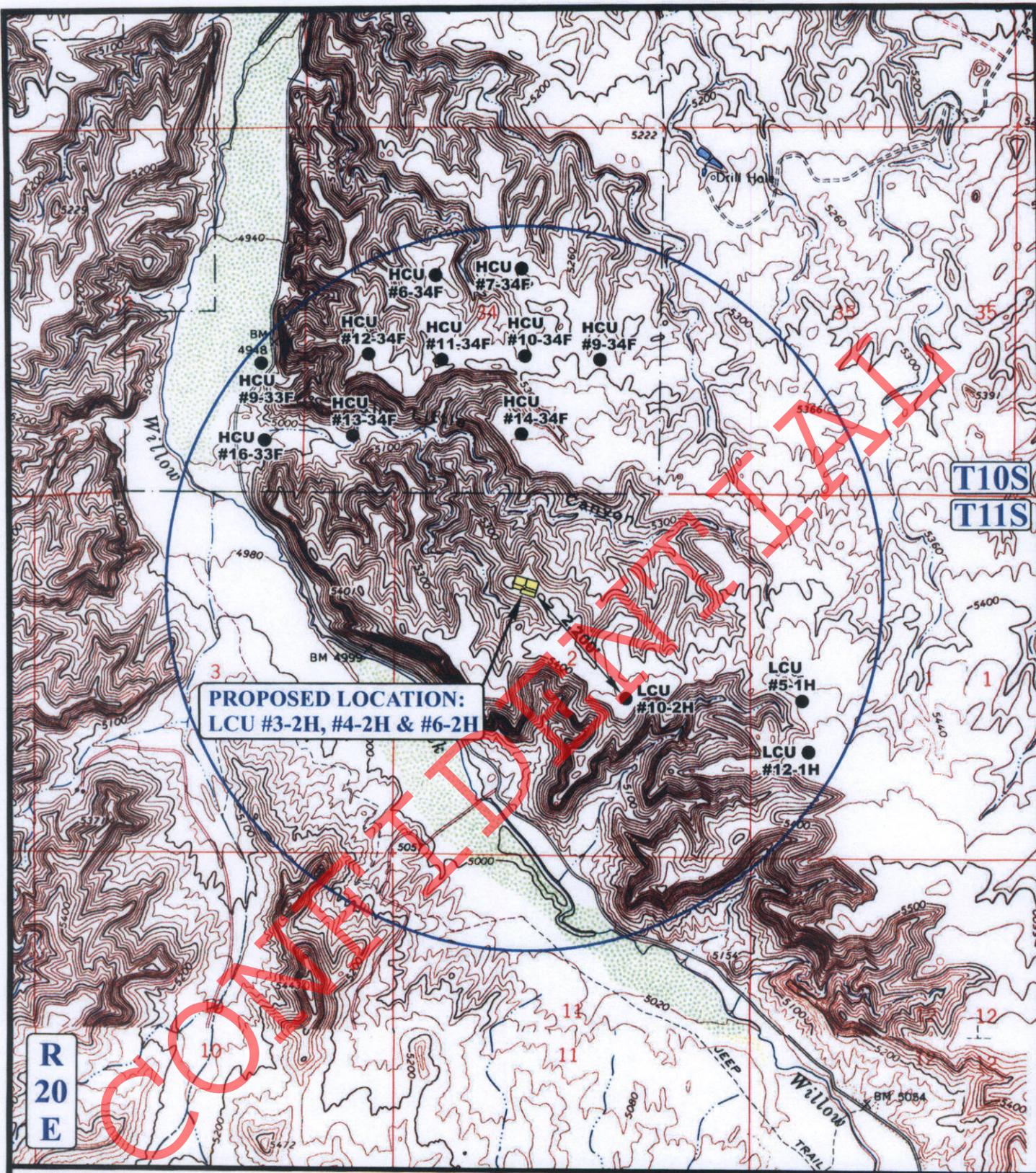
Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
(435) 789-1017 * FAX (435) 789-1813



TOPOGRAPHIC	03	27	06
MAP	MONTH	DAY	YEAR
SCALE: 1:100,000	DRAWN BY: B.C.		REV: 02-11-08 L.K.

A
TOPO

EXHIBIT A



**PROPOSED LOCATION:
LCU #3-2H, #4-2H & #6-2H**

**R
20
E**

LEGEND:

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

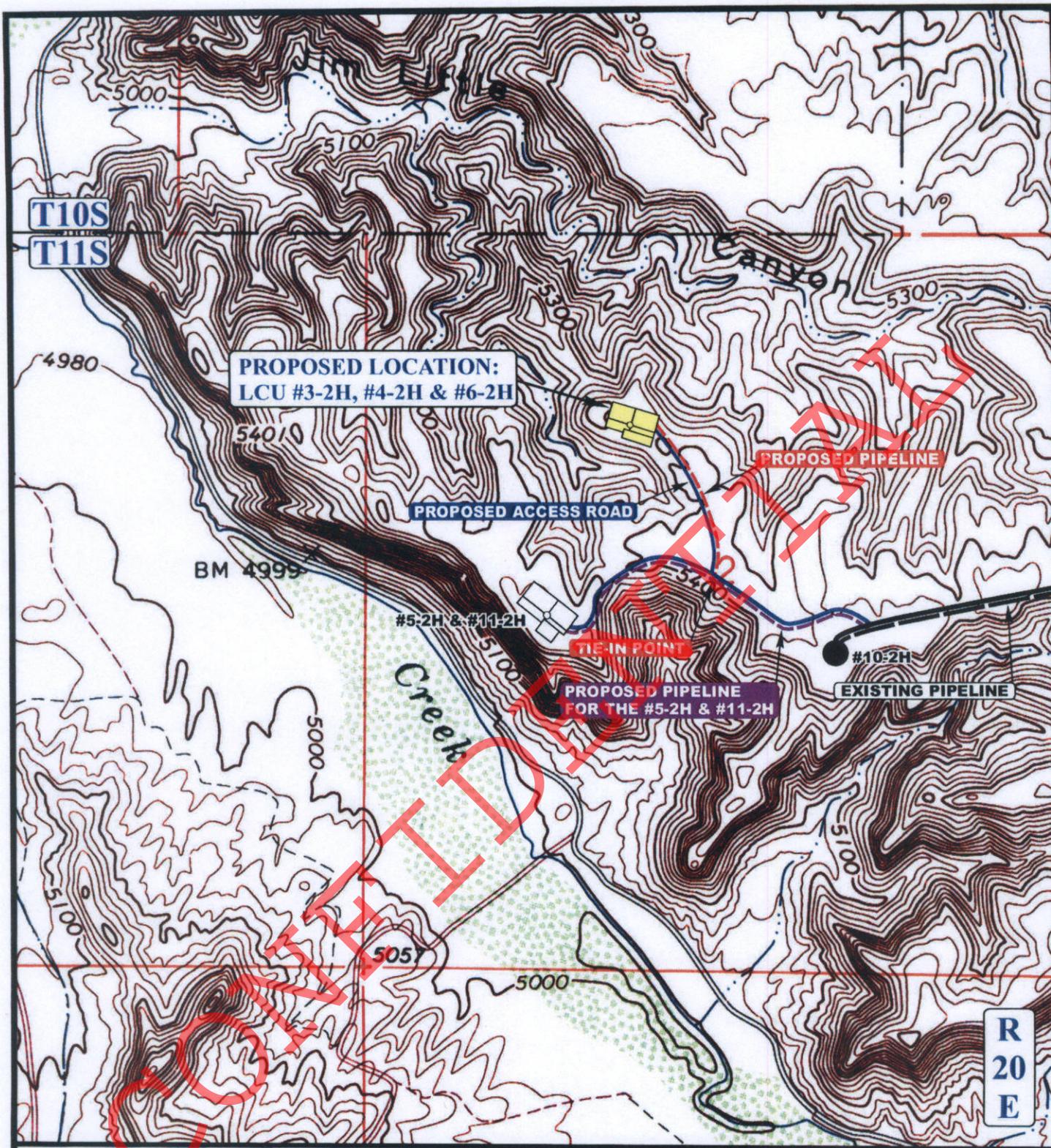
XTO ENERGY, INC.

**LCU #3-2H, #4-2H & #6-2H
SECTION 2, T11S, R20E, S.L.B.&M.
SE 1/4 NW 1/4**

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

TOPOGRAPHIC MAP **03 27 06**
MONTH DAY YEAR
SCALE: 1" = 2000' DRAWN BY: B.C. REV: 02-11-08 L.K. **C TOPO**

EXHIBIT C



APPROXIMATE TOTAL PIPELINE DISTANCE = 1,157' +/-

LEGEND:

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



XTO ENERGY, INC.

LCU #3-2H, #4-2H & #6-2H
 SECTION 2, T11S, R20E, S.L.B.&M.
 SE 1/4 NW 1/4

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

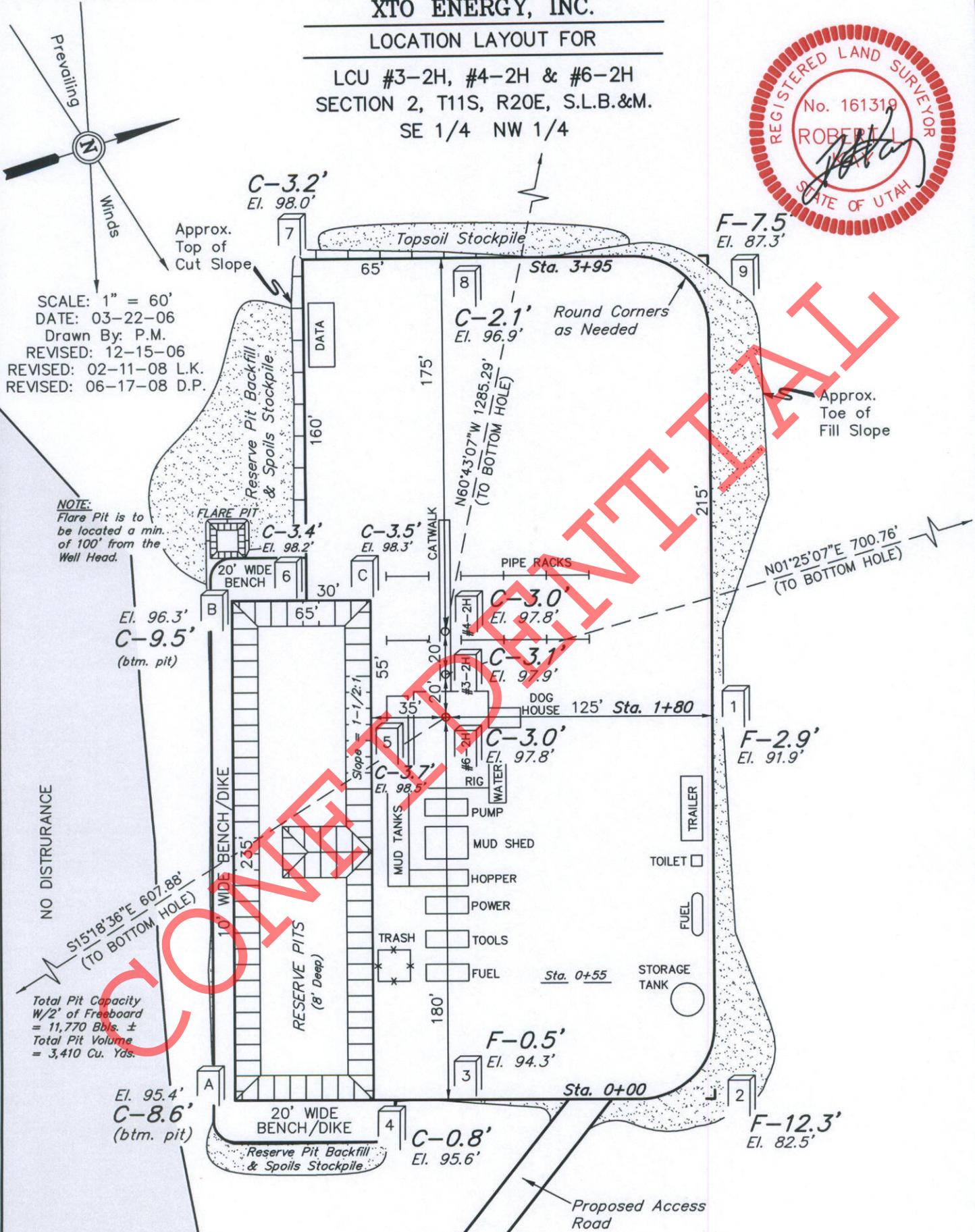
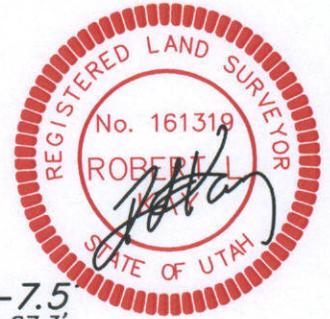
TOPOGRAPHIC MAP 03 27 06
 MONTH DAY YEAR
 SCALE: 1" = 1000' DRAWN BY: B.C. REV: 02-11-08 L.K.

D
 TOPO

XTO ENERGY, INC.

LOCATION LAYOUT FOR

LCU #3-2H, #4-2H & #6-2H
SECTION 2, T11S, R20E, S.L.B.&M.
SE 1/4 NW 1/4



SCALE: 1" = 60'
DATE: 03-22-06
Drawn By: P.M.
REVISED: 12-15-06
REVISED: 02-11-08 L.K.
REVISED: 06-17-08 D.P.

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

NO DISTURRANCE

Total Pit Capacity
W/2' of Freeboard
= 11,770 Bbls. ±
Total Pit Volume
= 3,410 Cu. Yds.

Elev. Ungraded Ground at #6-2H Location Stake = 5397.8'
Elev. Graded Ground at #6-2H Location Stake = 5394.8'

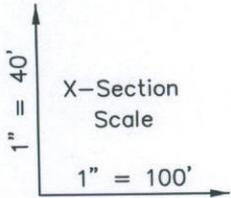
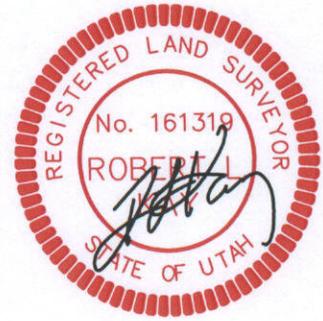
UINTAH ENGINEERING & LAND SURVEYING
85 So. 200 East * Vernal, Utah 84078 * (801) 789-1017

EXHIBIT E

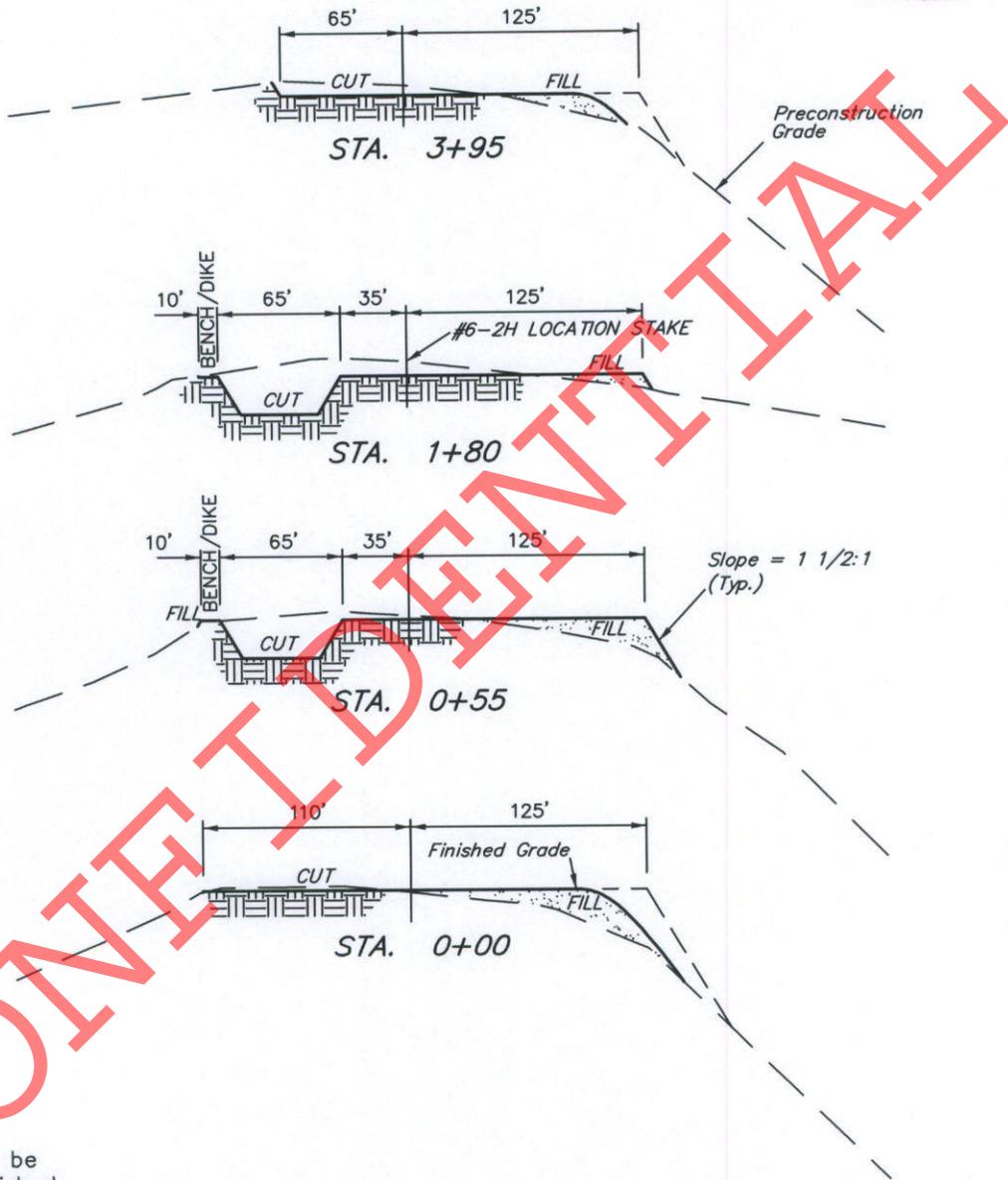
XTO ENERGY, INC.

TYPICAL CROSS SECTIONS FOR

**LCU #3-2H, #4-2H & #6-2H
SECTION 2, T11S, R20E, S.L.B.&M.
SE 1/4 NW 1/4**



DATE: 03-22-06
Drawn By: P.M.
REVISED: 12-15-06
REVISED: 02-11-08 L.K.
REVISED: 06-17-08 D.P.



NOTE:

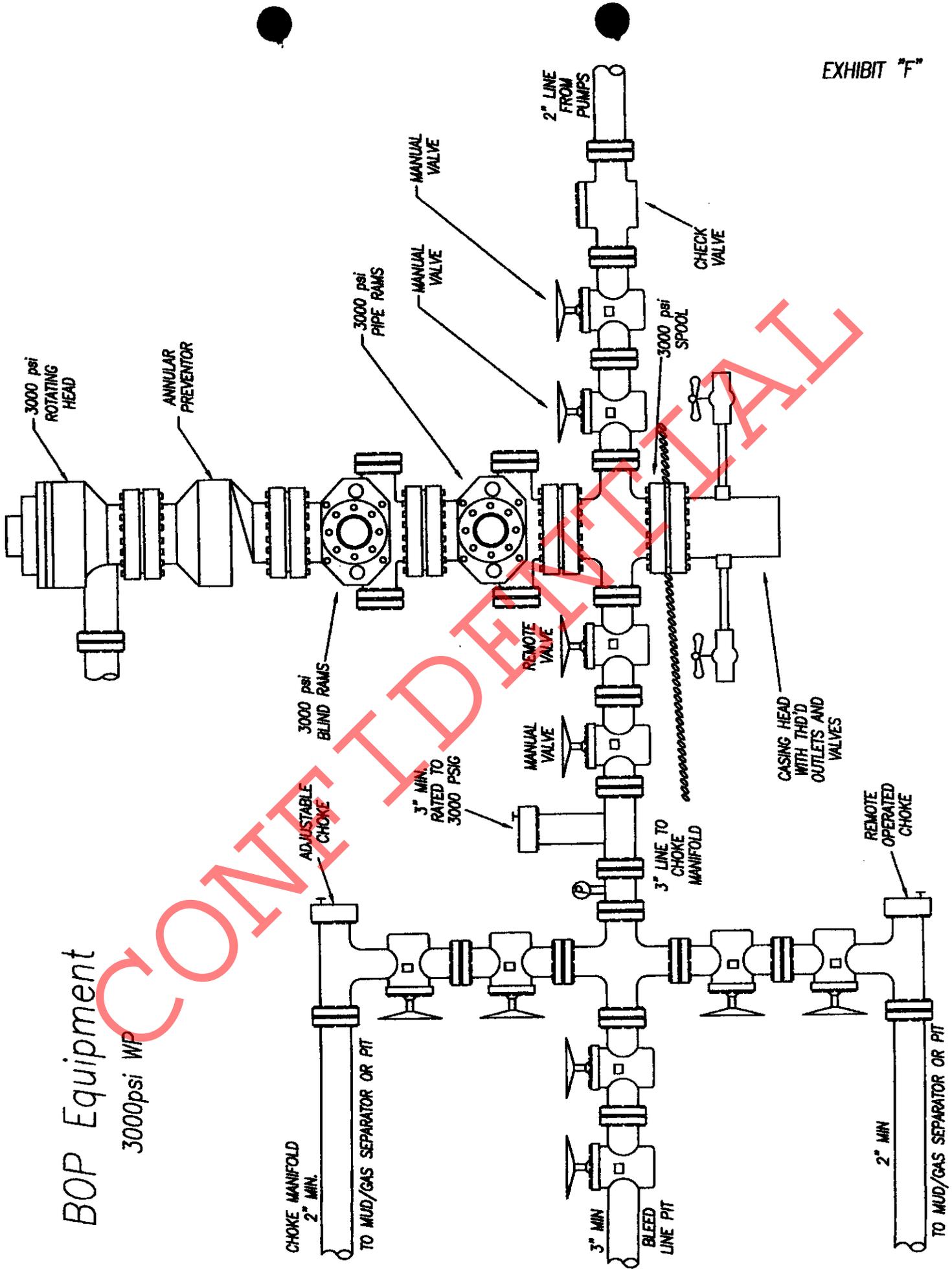
Topsoil should not be Stripped Below Finished Grade on Substructure Area.

*** NOTE:**
FILL QUANTITY INCLUDES 5% FOR COMPACTION

APPROXIMATE YARDAGES

CUT		
(6") Topsoil Stripping	=	1,870 Cu. Yds.
Remaining Location	=	6,470 Cu. Yds.
TOTAL CUT	=	8,340 CU.YDS.
FILL	=	4,760 CU.YDS.

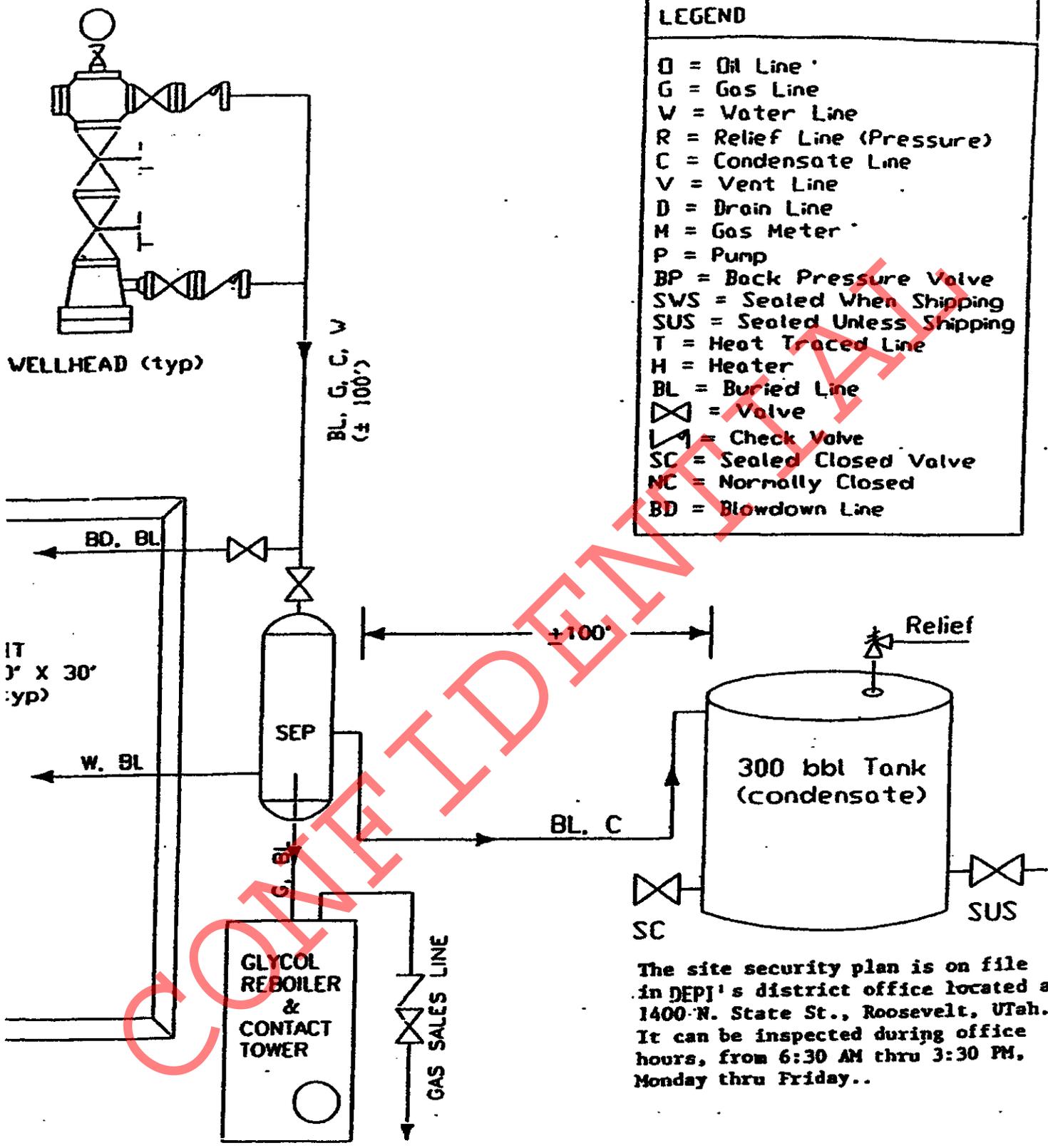
EXCESS MATERIAL	=	3,580 Cu. Yds.
Topsoil & Pit Backfill (1/2 Pit Vol.)	=	3,580 Cu. Yds.
EXCESS UNBALANCE (After Interim Rehabilitation)	=	0 Cu. Yds.



BOP Equipment

3000psi WP

CONFIDENTIAL



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



October 12, 2011

State of Utah
Division of Oil, Gas and Mining
PO BOX 145801
Salt Lake City, UT 84114

RE: Directional Drilling Regulation R649-3-11

Well Name: LCU 4-2H
Surface Location: 1352' FNL & 1891' FWL, SE/4 NW/4
BHL: 725' FNL & 759' FWL, NW/4 NW/4
Section 2, T11S, R20E, SLB&M, Uintah County, Utah

To Whom It May Concern:

Pursuant to the filing of XTO Energy Inc. Application of Permit to Drill, regarding the proposed LCU 4-2H on October 12, 2011, we are hereby submitting this letter in accordance with Oil and Gas Conservation Rule R649-3-11 pertaining to Exception to Location and Sitting of Wells.

- XTO Energy Inc. is permitting this well as a directional drill well in order to minimize surface disturbance. Locating the well at the surface location and directionally drilling from this location, XTO will be able to utilize the existing road and pipelines along with the se use of an existing well pad in the area.
- Furthermore, the location of this well and its wellbore is no closer than 460 feet from the unit boundary or an uncommitted Federal or un-leased tract within the Unit Area. XTO Energy Inc. is the sole owner within 460 feet of the entire directional wellbore.

Therefore, based on the above stated information, XTO Energy Inc. requests the permit be granted pursuant to R649-3-11.

Please feel free to contact me with any questions you may have.

Thank you,

A handwritten signature in black ink that reads "Krista Wilson".

Krista Wilson
Permitting Tech.
XTO Energy Inc.
505-333-6647
Krista_wilson@xtoenergy.com

Operator Certification:

a. Permitting and Compliance:

Krista Wilson
Permitting Tech.
XTO Energy Inc.
382 CR 3100
Aztec NM 87410
505-333-3100

b. Drilling and Completions:

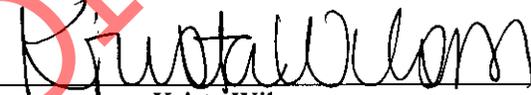
Justin Niederhofer
XTO Energy Inc.
382 CR 3100
Aztec, NM 87410
505-333-3100

c. 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 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 XTO Energy Inc., are responsible for the operations conducted under this application. These statements are subject to the provisions of 18 U.S.C. 1001 for the filing of false statements.

Executed this 12th day of October, 2011.

Signature: _____

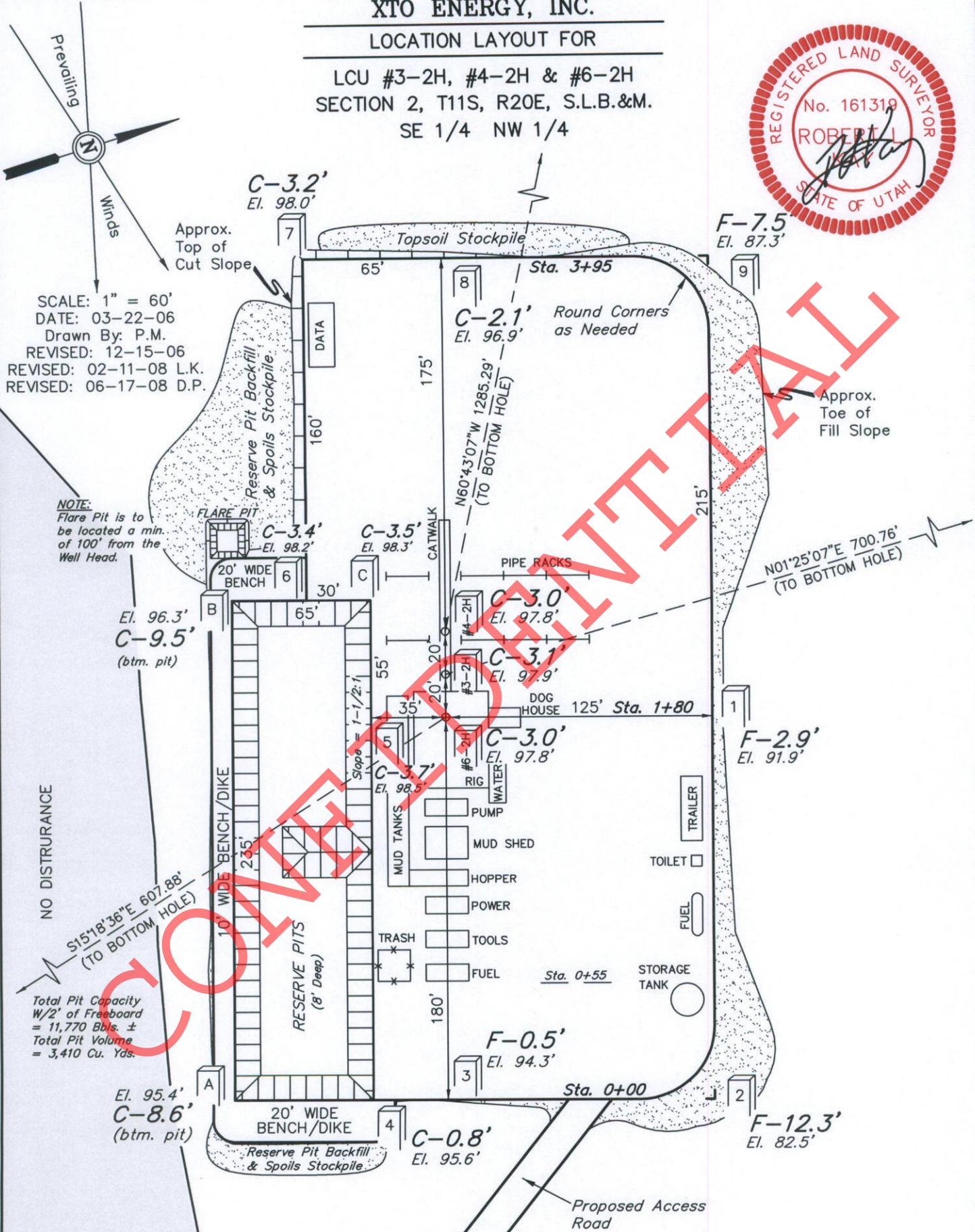
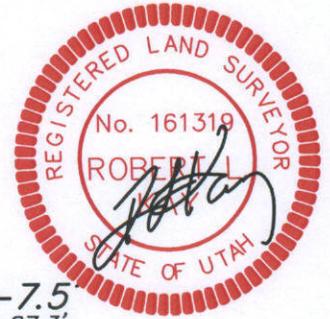


Krista Wilson

XTO ENERGY, INC.

LOCATION LAYOUT FOR

LCU #3-2H, #4-2H & #6-2H
SECTION 2, T11S, R20E, S.L.B.&M.
SE 1/4 NW 1/4



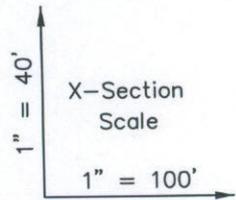
COPY

UINTEH ENGINEERING & LAND SURVEYING
85 So. 200 East * Vernal, Utah 84078 * (801) 789-1017

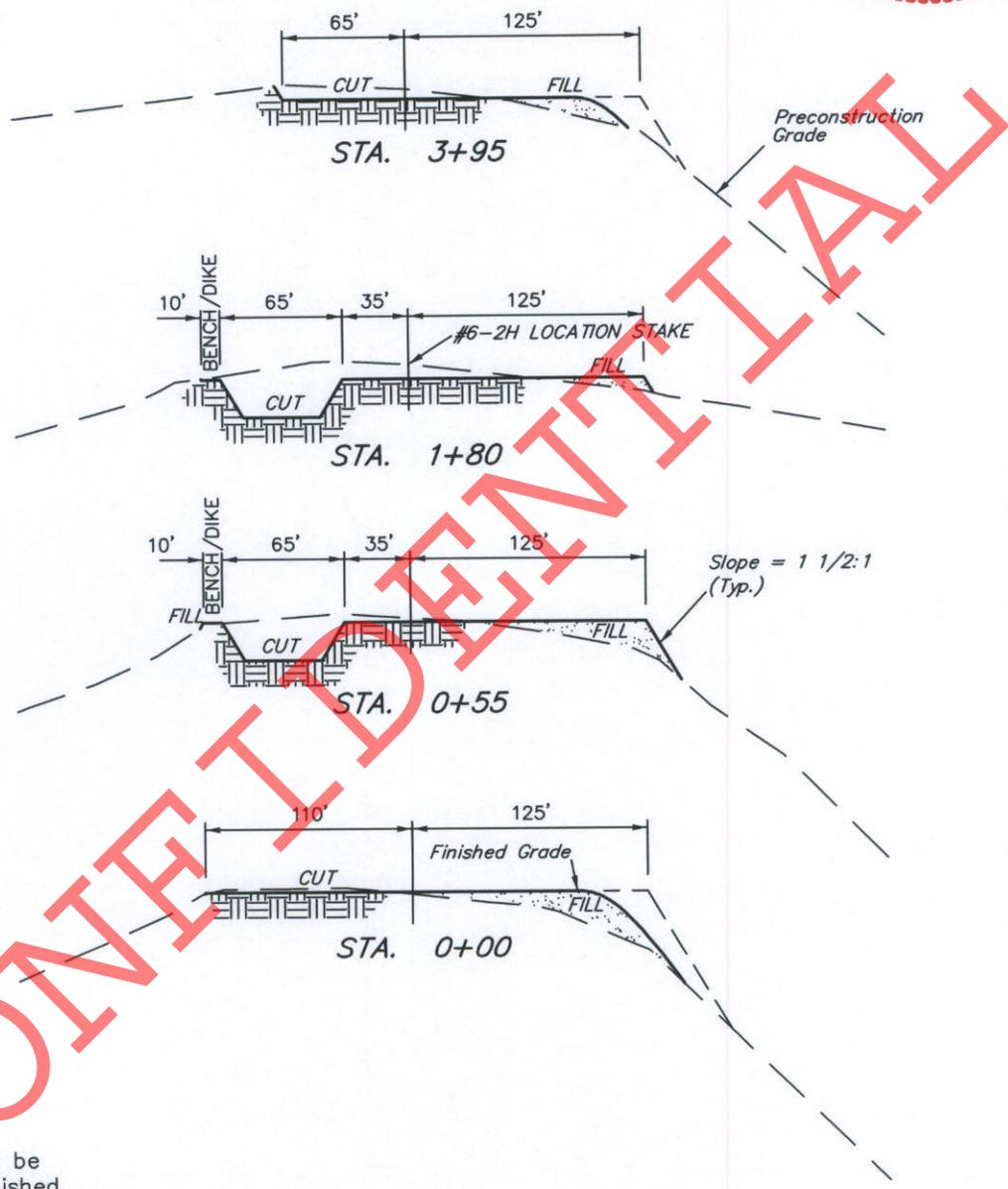
EXHIBIT E

XTO ENERGY, INC.

TYPICAL CROSS SECTIONS FOR
LCU #3-2H, #4-2H & #6-2H
SECTION 2, T11S, R20E, S.L.B.&M.
SE 1/4 NW 1/4



DATE: 03-22-06
 Drawn By: P.M.
 REVISED: 12-15-06
 REVISED: 02-11-08 L.K.
 REVISED: 06-17-08 D.P.



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

*** NOTE:**
 FILL QUANTITY INCLUDES 5% FOR COMPACTION

APPROXIMATE YARDAGES

CUT				
(6") Topsoil Stripping	=	1,870	Cu. Yds.	
Remaining Location	=	6,470	Cu. Yds.	
TOTAL CUT	=	8,340	CU.YDS.	
FILL	=	4,760	CU.YDS.	
				EXCESS MATERIAL = 3,580 Cu. Yds.
				Topsoil & Pit Backfill = 3,580 Cu. Yds.
				(1/2 Pit Vol.)
				EXCESS UNBALANCE = 0 Cu. Yds.
				(After Interim Rehabilitation)

United States Department of the Interior

BUREAU OF LAND MANAGEMENT

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

IN REPLY REFER TO:
3160
(UT-922)

October 21, 2011

Memorandum

To: Assistant District Manager Minerals, Vernal District
From: Michael Coulthard, Petroleum Engineer
Subject: 2011 Plan of Development Little Canyon Unit
Uintah County, Utah.

Pursuant to email between Diana Whitney, Division of Oil, Gas and Mining, and Mickey Coulthard, Utah State Office, Bureau of Land Management, the following wells are planned for calendar year 2011 within the Little Canyon Unit, Uintah County, Utah.

API#	WELL NAME	LOCATION
(Proposed PZ Wasatch/MesaVerde)		
43-047-52102	LCU 16-36F Sec 36	T10S R20E 0815 FSL 0471 FEL
43-047-52103	LCU 2-2H Sec 02	T11S R20E 2022 FNL 1954 FEL
	BHL Sec 02	T11S R20E 0724 FNL 2024 FEL
43-047-52104	LCU 4-2H Sec 02	T11S R20E 1352 FNL 1891 FWL
	BHL Sec 02	T11S R20E 0725 FNL 0759 FWL
43-047-52106	LCU 7-36F Sec 36	T10S R20E 1991 FNL 2059 FEL
43-047-52107	LCU 1-36F Sec 36	T10S R20E 0782 FNL 0823 FEL
43-047-52108	LCU 2-36F Sec 36	T10S R20E 0577 FNL 2112 FEL
43-047-52109	LCU 4-36F Sec 36	T10S R20E 0860 FNL 0889 FWL

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

Michael L. Coulthard

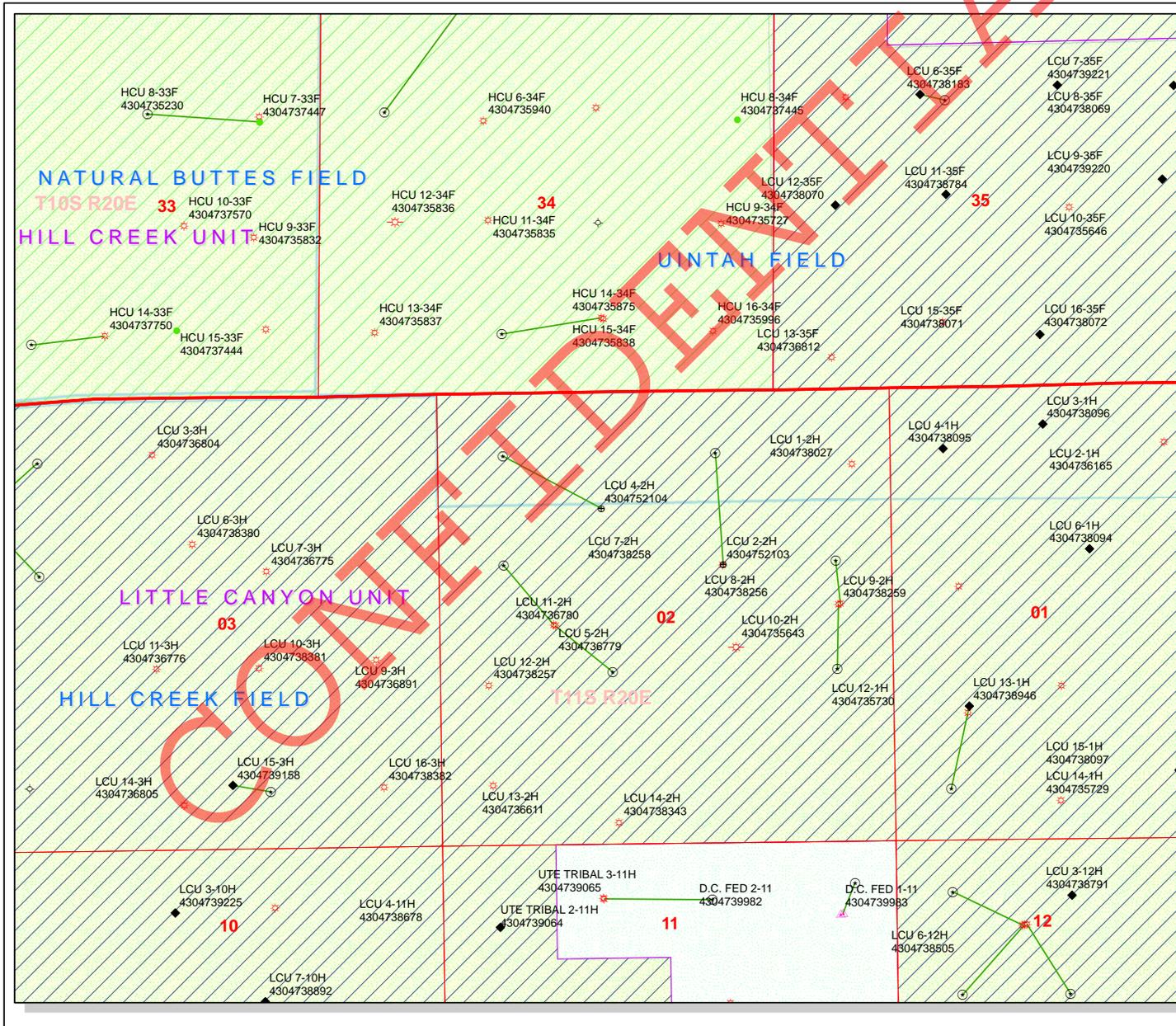
Digitally signed by Michael L. Coulthard
DN: cn=Michael L. Coulthard, o=Bureau of Land Management,
ou=Branch of Minerals, email=Michael_Coulthard@blm.gov, c=US
Date: 2011.10.21 15:17:02 -06'00'

RECEIVED: October 25, 2011

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

MCoulthard:mc:10-21-11

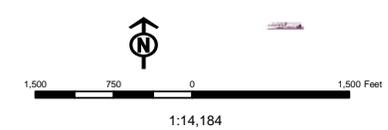
CONFIDENTIAL



API Number: 4304752104
Well Name: LCU 4-2H
Township T1.1 . Range R2.0 . Section 02
Meridian: SLBM
Operator: XTO ENERGY INC

Map Prepared:
 Map Produced by Diana Mason

- | | |
|----------------------|-------------------------------------|
| Units STATUS | Wells Query Status |
| ACTIVE | APD - Approved Permit |
| EXPLORATORY | DRIL - Spudded (Drilling Commenced) |
| GAS STORAGE | GIW - Gas Injection |
| NF PP OIL | GS - Gas Storage |
| NF SECONDARY | LA - Location Abandoned |
| PI OIL | LOC - New Location |
| PP GAS | OPS - Operation Suspended |
| PP GEOTHERML | PA - Plugged Abandoned |
| PP OIL | PGW - Producing Gas Well |
| SECONDARY | POW - Producing Oil Well |
| TERMINATED | RET - Returned APD |
| Fields STATUS | SGW - Shut-in Gas Well |
| Unknown | SOW - Shut-in Oil Well |
| ABANDONED | TA - Temp. Abandoned |
| ACTIVE | TW - Test Well |
| COMBINED | WDW - Water Disposal |
| INACTIVE | WWI - Water Injection Well |
| STORAGE | WSW - Water Supply Well |
| TERMINATED | |



BOPE REVIEW XTO ENERGY INC LCU 4-2H 43047521040000

Well Name	XTO ENERGY INC LCU 4-2H 43047521040000			
String	Surf	Prod		
Casing Size(")	9.625	5.500		
Setting Depth (TVD)	2200	9245		
Previous Shoe Setting Depth (TVD)	0	2200		
Max Mud Weight (ppg)	8.8	9.2		
BOPE Proposed (psi)	0	3000		
Casing Internal Yield (psi)	3520	7740		
Operators Max Anticipated Pressure (psi)	4600	9.6		

Calculations	Surf String	9.625	"
Max BHP (psi)	.052*Setting Depth*MW=	1007	
			BOPE Adequate For Drilling And Setting Casing at Depth?
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=	743	NO
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=	523	NO Reasonable depth
			*Can Full Expected Pressure Be Held At Previous Shoe?
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=	523	NO
Required Casing/BOPE Test Pressure=		2200	psi
*Max Pressure Allowed @ Previous Casing Shoe=		0	psi *Assumes 1psi/ft frac gradient

Calculations	Prod String	5.500	"
Max BHP (psi)	.052*Setting Depth*MW=	4423	
			BOPE Adequate For Drilling And Setting Casing at Depth?
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=	3314	NO
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=	2389	YES OK
			*Can Full Expected Pressure Be Held At Previous Shoe?
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=	2873	NO OK
Required Casing/BOPE Test Pressure=		3000	psi
*Max Pressure Allowed @ Previous Casing Shoe=		2200	psi *Assumes 1psi/ft frac gradient

Calculations	String		"
Max BHP (psi)	.052*Setting Depth*MW=		
			BOPE Adequate For Drilling And Setting Casing at Depth?
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=		NO
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=		NO
			*Can Full Expected Pressure Be Held At Previous Shoe?
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=		NO
Required Casing/BOPE Test Pressure=			psi
*Max Pressure Allowed @ Previous Casing Shoe=			psi *Assumes 1psi/ft frac gradient

Calculations	String		"
Max BHP (psi)	.052*Setting Depth*MW=		
			BOPE Adequate For Drilling And Setting Casing at Depth?
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=		NO
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=		NO
			*Can Full Expected Pressure Be Held At Previous Shoe?
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=		NO
Required Casing/BOPE Test Pressure=			psi
*Max Pressure Allowed @ Previous Casing Shoe=			psi *Assumes 1psi/ft frac gradient

43047521040000 LCU 4-2H

Casing Schematic

Surface

1576
1476

TOC @ *Uinta*
0.

1585' tail

Stop production

9-5/8"
MW 8.8
Frac 19.3

Surface
2313. MD
2200. TVD

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*to 1930' @ 5% w/o, tail 6612'
Propose to 1813'*

TOC @
3426.

- 3742' (TVD) Wasatch Tongue *Stop
- 4067' (TVD) Green River Tongue
- 4232' (TVD) Wasatch
- 4400' BMSW

5117' Chapita Wells

6202' Ufeland Buttes

6967' Mesaverde

7180' tail

5-1/2"
MW 9.2

Production
9478. MD
9245. TVD

1352 NL	1891 WL
634	1141
718 FNL ✓	750 FWL ✓

OK
NW NW Sec 2-11S-20E

Well name:	43047521040000 LCU 4-2H		
Operator:	XTO ENERGY INC	Project ID:	43-047-52104
String type:	Surface		
Location:	UINTAH COUNTY		

Design parameters:

Collapse

Mud weight: 8.800 ppg
 Design is based on evacuated pipe.

Burst

Max anticipated surface pressure: 2,035 psi
 Internal gradient: 0.120 psi/ft
 Calculated BHP: 2,299 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: 1.70 (J)
 Buttress: 1.60 (J)
 Premium: 1.50 (J)
 Body yield: 1.50 (B)

Tension is based on air weight.
 Neutral point: 2,004 ft

Environment:

H2S considered? No
 Surface temperature: 74 °F
 Bottom hole temperature: 105 °F
 Temperature gradient: 1.40 °F/100ft
 Minimum section length: 100 ft

Cement top: Surface

Directional Info - Build & Drop

Kick-off point: 300 ft
 Departure at shoe: 622 ft
 Maximum dogleg: 3 °/100ft
 Inclination at shoe: 22.19 °

Re subsequent strings:

Next setting depth: 9,478 ft
 Next mud weight: 9.200 ppg
 Next setting BHP: 4,530 psi
 Fracture mud wt: 19.250 ppg
 Fracture depth: 2,313 ft
 Injection pressure: 2,313 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)	Est. Cost (\$)
1	2313	9.625	36.00	J-55	ST&C	2200	2313	8.796	20105
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	2299	3520	1.53	79.2	394	4.97 J

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

Phone: 801 538-5357
 FAX: 801-359-3940

Date: January 4, 2012
 Salt Lake City, Utah

Remarks:

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

Burst strength is not adjusted for tension.

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

Well name:	43047521040000 LCU 4-2H	
Operator:	XTO ENERGY INC	Project ID:
String type:	Production	43-047-52104
Location:	UINTAH COUNTY	

Design parameters:

Collapse

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

Burst

Max anticipated surface pressure: 2,384 psi
 Internal gradient: 0.220 psi/ft
 Calculated BHP: 4,418 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: 1.60 (B)

Tension is based on air weight.
 Neutral point: 8,188 ft

Environment:

H2S considered? No
 Surface temperature: 74 °F
 Bottom hole temperature: 203 °F
 Temperature gradient: 1.40 °F/100ft
 Minimum section length: 100 ft
 Cement top: 3,426 ft

Directional Info - Build & Drop

Kick-off point: 300 ft
 Departure at shoe: 1285 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)	Est. Cost (\$)
1	9478	5.5	17.00	N-80	LT&C	9245	9478	4.767	53422
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	4418	6290	1.424	4418	7740	1.75	157.2	348	2.21 J

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

Phone: 801 538-5357
 FAX: 801-359-3940

Date: January 4, 2012
 Salt Lake City, Utah

Remarks:

Collapse is based on a vertical depth of 9245 ft, a mud weight of 9.2 ppg. The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

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

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

From: Jim Davis
To: APD APPROVAL
CC: Diane_Jaramillo@xtoenergy.com; Kelly_Kardos@xtoenergy.com
Date: 2/23/2012 12:47 PM
Subject: APD approvals 10 for XTO

The following APDs have been approved by SITLA including arch and paleo clearance.

4304752053 AP 14-2J
4304752054 AP 16-2J
4304752055 AP 5-2JX
4304752102 LCU 16-36F
4304752103 LCU 2-2H
4304752104 LCU 4-2H
4304752106 LCU 7-36F
4304752107 LCU 1-36F
4304752108 LCU 2-36F
4304752109 LCU 4-36F

-Jim

Jim Davis
Utah Trust Lands Administration
jimdavis1@utah.gov
Phone: (801) 538-5156

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ON-SITE PREDRILL EVALUATION

Utah Division of Oil, Gas and Mining

Operator XTO ENERGY INC
Well Name LCU 4-2H
API Number 43047521040000 **APD No** 4781 **Field/Unit** HILL CREEK
Location: 1/4,1/4 SENW **Sec 2 Tw** 11.0S **Rng** 20.0E 1352 FNL 1891 FWL
GPS Coord (UTM) 615551 4416540 **Surface Owner**

Participants

Misty Roberts (XTO), Brandon Bowthorpe (UELS), Jim Davis (SITLA), Krista Wilson (XTO), Damion Jones (XTO), Jody Mecham (XTO), Justin Justice (Kaufusi Excavating), Ben Williams (DWR)

Regional/Local Setting & Topography

The general area is approximately 14 miles southwest of Ouray, Utah and is known as Little Canyon area. Drainages are into Willow Creek approximately ½ miles to the west. Willow Creek drains northerly approximately 10 miles into the Green River. All sub-drainages in the immediate area are dry or ephemeral. The area consists of several large open flats with somewhat frequent, steep side-draws. No seeps, springs or streams are known to exist. An occasional pond constructed to furnish water for livestock exists. The Uintah and Ouray Indian Reservation is to the west.

The LCU 4-2H is a directional well planned on the same pad as the LCU 6-2H and 3-2H, which are also directional wells yet to be drilled. The location is planned near the west end of a ridge, which runs in an east-west direction toward Willow Creek. The ridge slopes abruptly to the north and south. Excavation will occur from the south side of the location and be deposited as fill on the north side. Approximately 0.3 miles of road will be constructed leading from the road to the planned LCU 5 & 11-2H wells. The ridge has poor native desert shrub-grass vegetation. Surface run-off is light.

Present surface distance between the 3 proposed wells is 10 and 15 feet. The locations will be re-staked to reflect 20 feet between the well heads. This will provide more room for pump jacks and well heads. New survey plats will be submitted to reflect these changes.

Surface Use Plan

Current Surface Use
Wildlfe Habitat

New Road Miles	Well Pad Width 190 Length 355	Src Const Material	Surface Formation
0.3		Onsite	UNTA

Ancillary Facilities N

Waste Management Plan Adequate? Y

Environmental Parameters

Affected Floodplains and/or Wetlands N

Flora / Fauna

Poorly vegetated with shadscale, globe mallow, halogeton, broom snake-weed, horsebrush, cheatgrass and curly mesquite.

Pronghorn, coyotes, songbirds, raptors, rodents, rabbits, deer, elk, wild horses.

Soil Type and Characteristics

Moderately deep, light brown gravelly loam.

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?** Y **Cultural Resources?** N

Reserve Pit

Site-Specific Factors

Site Ranking

Distance to Groundwater (feet)	>200	0
Distance to Surface Water (feet)	>1000	0
Dist. Nearest Municipal Well (ft)	>5280	0
Distance to Other Wells (feet)	300 to 1320	10
Native Soil Type	Mod permeability	10
Fluid Type	Fresh Water	5
Drill Cuttings	Normal Rock	0
Annual Precipitation (inches)	10 to 20	5

Affected Populations

Presence Nearby Utility Conduits Not Present 0

Final Score 30 1 Sensitivity Level

Characteristics / Requirements

The reserve pit will be 65' by 220' and eight feet deep. The pit is longer than normal to serve the two wells currently planned from the location. It is located within a cut on the south east side of the location. With the location situated above the canyon breaks which run into the Willow Creek drainage, a double 20 mil pit liner is required.

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

Other Observations / Comments

Richard Powell

10/19/2011

Evaluator

Date / Time

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Application for Permit to Drill

Statement of Basis

2/29/2012

Utah Division of Oil, Gas and Mining

Page 1

APD No	API WellNo	Status	Well Type	Surf Owner	CBM
4781	43047521040000	LOCKED	GW	S	No
Operator	XTO ENERGY INC		Surface Owner-APD		
Well Name	LCU 4-2H		Unit	LITTLE CANYON	
Field	HILL CREEK		Type of Work	DRILL	
Location	SENW 2 11S 20E S 1352 FNL	1891 FWL	GPS Coord		
	(UTM) 615495E 4416744N				

Geologic Statement of Basis

XTO proposes to set 2,313 feet of surface casing cemented to the surface. The base of the moderately saline water is estimated at 4,400 feet. A search of Division of Water Rights records shows 2 water wells within a 10,000 foot radius of the center of section 2. One well is 2,500 feet deep no depth is listed for the other well. Both wells are over a mile from the proposed location. The wells are owned by the BLM. Use is listed as stock/wildlife watering. 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 cement for the production string should be brought up above the base of the moderately saline ground water in order to isolate it from fresher waters uphole.

Brad Hill
APD Evaluator

10/31/2011
Date / Time

Surface Statement of Basis

This well was previously approved under the same name with API# 43-047-39888 but the site was not constructed or spudded. Present surface distance between the 3 proposed wells is 20 feet.

The LCU 4-2H is a directional well planned on the same pad as the LCU 6-2H and 3-2H, which are also directional wells yet to be drilled. The location is planned near the west end of a ridge, which runs in an east-west direction toward Willow Creek. The ridge slopes abruptly to the north and south. A cut will occur on the south side of the location and be deposited as fill on the north side. Approximately 0.3 miles of road will be constructed leading from the road to the planned LCU 5 & 11-2H wells. The ridge has poor native desert shrub-grass vegetation. 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. Mr. Ben Williams of DWR was also present but stated no concerns for wildlife on this site. 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

The reserve pit will be 65' by 220' and eight feet deep. The pit is longer than normal to serve the three wells currently planned from the location. It is located within a cut on the south east side of the location. With the location situated above the canyon breaks which run into the Willow Creek drainage, a double 20 mil pit liner is required. This was agreed to by Jody Mecham and Krista Wilson both of XTO.

Application for Permit to Drill Statement of Basis

2/29/2012

Utah Division of Oil, Gas and Mining

Page 2

Richard Powell
Onsite Evaluator

10/19/2011
Date / Time

Conditions of Approval / Application for Permit to Drill

Category	Condition
Pits	A double synthetic liner each with a minimum thickness of 20 mils and an appropriate thickness of felt sub-liner to cushion the liners shall be properly installed and maintained in the reserve pit.
Surface	The reserve pit shall be fenced upon completion of drilling operations.
Surface	The well site shall be bermed to prevent fluids from leaving the pad.

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WORKSHEET APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 10/12/2011

API NO. ASSIGNED: 43047521040000

WELL NAME: LCU 4-2H

OPERATOR: XTO ENERGY INC (N2615)

PHONE NUMBER: 505 333-3647

CONTACT: Krista Wilson

PROPOSED LOCATION: SENW 02 110S 200E

Permit Tech Review:

SURFACE: 1352 FNL 1891 FWL

Engineering Review:

BOTTOM: 0725 FNL 0759 FWL

Geology Review:

COUNTY: UINTAH

LATITUDE: 39.89290

LONGITUDE: -109.64909

UTM SURF EASTINGS: 615495.00

NORTHINGS: 4416744.00

FIELD NAME: HILL CREEK

LEASE TYPE: 3 - State

LEASE NUMBER: ML-48771

PROPOSED PRODUCING FORMATION(S): WASATCH-MESA VERDE

SURFACE OWNER: 3 - State

COALBED METHANE: NO

RECEIVED AND/OR REVIEWED:

- PLAT
- Bond: STATE/FEE - 104312762
- Potash
- Oil Shale 190-5
- Oil Shale 190-3
- Oil Shale 190-13
- Water Permit: 43-10447
- RDCC Review:
- Fee Surface Agreement
- Intent to Commingle

Commingle Approved

LOCATION AND SITING:

- R649-2-3.
- Unit: LITTLE CANYON
- R649-3-2. General
- R649-3-3. Exception
- Drilling Unit
- Board Cause No: Cause 259-01
- Effective Date: 8/18/2006
- Siting: Suspends General Siting
- R649-3-11. Directional Drill

Comments: Presite Completed

Stipulations: 5 - Statement of Basis - bhill
12 - Cement Volume (3) - ddoucet
15 - Directional - dmason



GARY R. HERBERT
Governor

GREGORY S. BELL
Lieutenant Governor

State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

Permit To Drill

Well Name: LCU 4-2H
API Well Number: 43047521040000
Lease Number: ML-48771
Surface Owner: STATE
Approval Date: 2/29/2012

Issued to:

XTO ENERGY INC, 382 Road 3100, Aztec, NM 87410

Authority:

Pursuant to Utah Code Ann. 40-6-1 et seq., and Utah Administrative Code R649-3-1 et seq., the Utah Division of Oil, Gas and Mining issues conditions of approval, and permit to drill the listed well. This permit is issued in accordance with the requirements of Cause 259-01. The expected producing formation or pool is the WASATCH-MESA VERDE Formation(s), completion into any other zones will require filing a Sundry Notice (Form 9). Completion and commingling of more than one pool will require approval in accordance with R649-3-22.

Duration:

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date

General:

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

Conditions of Approval:

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.

Compliance with the Conditions of Approval/Application for Permit to Drill outlined in the Statement of Basis (copy attached).

Cement volume for the 5 1/2" production string shall be determined from actual hole diameter in order to place cement from the pipe setting depth back to +/- 1813' MD as indicated in the submitted drilling plan.

Additional Approvals:

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

- Any changes to the approved drilling plan contact Dustin Doucet
- Significant plug back of the well contact Dustin Doucet
- Plug and abandonment of the well contact Dustin Doucet

Notification Requirements:

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

- Within 24 hours following the spudding of the well contact Carol Daniels

OR

submit an electronic sundry notice (pre-registration required) via the Utah Oil & Gas website

at <http://oilgas.ogm.utah.gov>

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

Contact Information:

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

- Carol Daniels 801-538-5284 - office
- Dustin Doucet 801-538-5281 - office
801-733-0983 - after office hours
- Dan Jarvis 801-538-5338 - office
801-231-8956 - after office hours

Reporting Requirements:

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

- Entity Action Form (Form 6) due within 5 days of spudding the well
- Monthly Status Report (Form 9) due by 5th day of the following calendar month
- Requests to Change Plans (Form 9) due prior to implementation
- Written Notice of Emergency Changes (Form 9) due within 5 days
- Notice of Operations Suspension or Resumption (Form 9) due prior to

implementation

- Report of Water Encountered (Form 7) due within 30 days after completion
- Well Completion Report (Form 8) due within 30 days after completion or plugging

Approved By:



For John Rogers
Associate Director, Oil & Gas



GARY R. HERBERT
Governor

GREGORY S. BELL
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

March 20, 2013

Rick Redus
XTO Energy Inc.
382 Road 3100
Aztec, NM 87410

Re: APDs Rescinded for XTO Energy Inc.
Uintah/Emery County

Dear Mr. Redus:

Enclosed find the list of APDs that you requested to be rescinded. No drilling activity at these locations has been reported to the division. Therefore, approval to drill these wells is hereby rescinded, effective March 20, 2013.

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

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

Sincerely,

Diana Mason
Environmental Scientist

cc: Well File
Bureau of Land Management, Vernal
SITLA, Ed Bonner





Fwd: APDs

Brad Hill <bradhill@utah.gov>
To: Diana Mason <DIANAWHITNEY@utah.gov>

Wed, Mar 20, 2013 at 2:35 PM

Here are some you can get rid of.

----- Forwarded message -----

From: **Redus, Richard** <Richard_Redus@xtoenergy.com>
Date: Wed, Mar 20, 2013 at 2:31 PM
Subject: APDs
To: "bradhill@utah.gov" <bradhill@utah.gov>

Mr Hill,

Please cancel the below APD's as XTO will not be drilling these wells within the foreseeable future.

XTO ENERGY INC	4304737569	RBU 14-15F	DRILL	01/12/2006	01/12/2013
XTO ENERGY INC	4304752133	LCU 4-16H	DRILL	01/12/2012	01/12/2013
XTO ENERGY INC	4301530704	UT FED 18-7-22-24	DRILL	01/24/2007	01/24/2013
XTO ENERGY INC	4304737648	RBU 6-4E	DRILL	01/30/2006	01/30/2013
XTO ENERGY INC	4304737652	RBU 7-16F	DRILL	01/30/2006	01/30/2013
XTO ENERGY INC	4304737653	LCU 14-9H	DRILL	01/30/2006	01/30/2013
XTO ENERGY INC	4304751354	KC 15-32E	DRILL	02/03/2011	02/03/2013
XTO ENERGY INC	4304736295	RBU 10-21E	DRILL	02/09/2005	02/09/2013
XTO ENERGY INC	4304740524	RBU 30-23E	DRILL	02/10/2009	02/10/2013
XTO ENERGY INC	4304740529	RBU 21-24E	DRILL	02/10/2009	02/10/2013

XTO ENERGY INC	4304740530	RBU 28-23E	DRILL	02/10/2009	02/10/2013
XTO ENERGY INC	4304740531	RBU 23-23E	DRILL	02/10/2009	02/10/2013
XTO ENERGY INC	4304740532	RBU 31-23E	DRILL	02/10/2009	02/10/2013
XTO ENERGY INC	4304740533	RBU 25-23E	DRILL	02/10/2009	02/10/2013
XTO ENERGY INC	4304739050	LCU 15-4H	DRILL	02/12/2007	02/12/2013
XTO ENERGY INC	4304739051	KC 15-31E	DRILL	02/21/2007	02/21/2013
XTO ENERGY INC	4304752053	AP 14-2J	DRILL	02/29/2012	02/28/2013
XTO ENERGY INC	4304752054	AP 16-2J	DRILL	02/29/2012	02/28/2013
XTO ENERGY INC	4304752055	AP 5-2JX	DRILL	02/29/2012	02/28/2013
XTO ENERGY INC	4304752102	LCU 16-36F	DRILL	02/29/2012	02/28/2013
XTO ENERGY INC	4304752103	LCU 2-2H	DRILL	02/29/2012	02/28/2013
XTO ENERGY INC	4304752104	LCU 4-2H	DRILL	02/29/2012	02/28/2013
XTO ENERGY INC	4304752106	LCU 7-36F	DRILL	02/29/2012	02/28/2013
XTO ENERGY INC	4304752108	LCU 2-36F	DRILL	02/29/2012	02/28/2013
XTO ENERGY INC	4304752109	LCU 4-36F	DRILL	02/29/2012	02/28/2013
XTO ENERGY INC	4304739068	KC 7-33E	DRILL	03/05/2007	03/05/2013
XTO ENERGY INC	4304739069	KC 13-33E	DRILL	03/05/2007	03/05/2013
XTO ENERGY INC	4304739070	KC 15-33E	DRILL	03/05/2007	03/05/2013
XTO ENERGY INC	4304737748	RBU 14-16F	DRILL	03/09/2006	03/09/2013

XTO ENERGY INC	4304740588	RBU 22-24E	DRILL	03/11/2009	03/11/2013
XTO ENERGY INC	4304740492	LCU 2-16H	DRILL	03/12/2009	03/12/2013
XTO ENERGY INC	4304740493	LCU 1-16H	DRILL	03/12/2009	03/12/2013
XTO ENERGY INC	4304739158	LCU 15-3H	DRILL	03/28/2007	03/28/2013
XTO ENERGY INC	4304739159	LCU 5-3H	DRILL	03/28/2007	03/28/2013

Rick Redus

Permitting Specialist

XTO Energy Western Division

Wrk: 303-397-3712

Cell: 720-539-1673

From: bradhill@utah.gov [mailto:bradhill@utah.gov]

Sent: Monday, March 04, 2013 1:20 PM

To: Redus, Richard

Subject: Sundry For API Well Number 43047364300000

Notice of Intent: APD_EXTENSION API Number: 43047364300000 Operator: XTO ENERGY INC

Approved: 3/4/2013

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 Brad Hill P.G.
 O & G Permitting Manager/Petroleum Geologist
 State of Utah
 Division of Oil, Gas, & Mining
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 email: bradhill@utah.gov