FORM 3

AMENDED REPORT ☑

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

APPLICATION FOR PERMIT TO DRILL

1. WELL NAME and NUMBER
BPU 6-36H

2. TYPE OF WORK
DRILL NEW WELL ● REENTER P&A WELL ○ DEEPEN WELL ○

3. FIELD OR WILDCAT
NATURAL BUTTES

4. TYPE OF WELL
Gas Well Coalbed Methane Well: NO

5. UNIT or COMMUNITIZATION AGREEMENT NAME
BIG PACK

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-48774

11. MINERAL OWNERSHIP
FEDERAL ○ INDIAN ○ STATE ● FEE ○

12. SURFACE OWNERSHIP
FEDERAL ○ INDIAN ○ STATE ● FEE ○

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 ○ (Submit Commingling Application) NO ●

19. SLANT
VERTICAL ● DIRECTIONAL ○ HORIZONTAL ○

20. LOCATION OF WELL	FOOTAGES	QTR-QTR	SECTION	TOWNSHIP	RANGE	MERIDIAN
LOCATION AT SURFACE	2187 FNL 1967 FWL	SENW	36	11.0 S	20.0 E	S
Top of Uppermost Producing Zone	2187 FNL 1967 FWL	SENW	36	11.0 S	20.0 E	S
At Total Depth	2187 FNL 1967 FWL	SENW	36	11.0 S	20.0 E	S

21. COUNTY
UINTAH

22. DISTANCE TO NEAREST LEASE LINE (Feet)
2187

23. NUMBER OF ACRES IN DRILLING UNIT
640

25. DISTANCE TO NEAREST WELL IN SAME POOL (Applied For Drilling or Completed)
5280

26. PROPOSED DEPTH
MD: 8555 TVD: 8555

27. ELEVATION - GROUND LEVEL
5507

28. BOND NUMBER
104312762

29. SOURCE OF DRILLING WATER / WATER RIGHTS APPROVAL NUMBER IF APPLICABLE
43-10991

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 - 2200	36.0	J-55 ST&C	8.4	Type V	177	3.82	11.0
							Class G	225	1.15	15.8
PROD	7.875	5.5	0 - 8555	17.0	N-80 LT&C	9.2	Premium Plus	428	3.12	11.6
							Class G	300	1.75	13.0

Returned Unapproved

ATTACHMENTS

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

- ☑ WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER
- ☑ COMPLETE DRILLING PLAN
- ☐ AFFIDAVIT OF STATUS OF SURFACE OWNER AGREEMENT (IF FEE SURFACE)
- ☐ FORM 5. IF OPERATOR IS OTHER THAN THE LEASE OWNER
- ☐ DIRECTIONAL SURVEY PLAN (IF DIRECTIONALLY OR HORIZONTALLY DRILLED)
- ☑ TOPOGRAPHICAL MAP

NAME Krista Wilson	**TITLE** Permitting Tech	**PHONE** 505 333-3647
SIGNATURE	**DATE** 11/21/2011	**EMAIL** krista_wilson@xtoenergy.com

API NUMBER ASSIGNED 43047522090000 **APPROVAL**

Received: July 17, 2012

XTO ENERGY INC.

Big Pack Unit #6-36H
APD Data
June 27, 2012

Location: 2187’ FNL & 1967’ FWL, Sec. 36, T11S,R20E **County**: Uintah **State**: Utah

GREATEST PROJECTED TD: 8,555’ MD OBJECTIVE: Wasatch/Mesaverde
APPROX GR ELEV: 5507' Est KB ELEV: 5529' (22’ AGL)

1. MUD PROGRAM:

INTERVAL	0’ to 2200’	2200’ to 8555’
HOLE SIZE	12.25”	7.875”
MUD TYPE	FW/Spud Mud	FW LSND / Gel Chemical
WEIGHT	8.4	8.6-9.20
VISCOSITY	NC	30-60
WATER LOSS	NC	6-8

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 ± 2200’ in a 12.25” hole filled with 8.4 ppg mud

Interval	Length	Wt	Gr	Cplg	Coll Rating (psi)	Burst Rating (psi)	Jt Str (M-lbs)	ID (in)	Drift (in)	SF Coll	SF Burst	SF Ten
0’-2200’	2200’	36#	J-55	ST&C	2020	3.66	394	8.921	8.765	2.10	3.66	4.97

Production Casing: 5.5” casing set at ±8555’ in a 7.875” hole filled with 9.2 ppg mud.

Interval	Length	Wt	Gr	Cplg	Coll Rating (psi)	Burst Rating (psi)	Jt Str (M-lbs)	ID (in)	Drift (in)	SF Coll	SF Burst	SF Ten
0’-8555’	8555’	17#	N-80	LT&C	6280	7740	348	4.892	4.767	1.93	2.39	2.39

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

3. WELLHEAD:

A. Casing Head: 11” nominal, 3,000 psig with 9-5/8” 8rnd thread on bottom C-22 profile (or equivalent), (or slip-on, weld-on).
B. Tubing Head: 11” 3000 psig X 7-1/16” 5,000 psig WP, TCM (or equivalent)

4. CEMENT PROGRAM:

A. Surface: 9.625”, 36#, J-55, ST&C casing to be set at ±2200’ in 12.25” hole.

LEAD:
±177 sx of Type V cement (or equivalent) typically containing accelerator and LCM mixed at 11.0 ppg, 3.82 cu. ft./sk.

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TAIL:
225 sx of Class G (or equivalent) typically containing accelerator and LCM mixed at 15.8 ppg, 1.15 cu. ft./sk.

Total estimated slurry volume for the 9.625" surface casing is 930 ft^3. Slurry includes 35% excess of calculated open hole annular volume to 2200'.

B. Production: 5.5", 17#, N-80 (or equiv.), LT&C casing to be set at ±8555' in 7.875" hole.

LEAD:
±428 sx of Premium Plus V Blend. (Type V/Poz/Gel) or equivalent, with dispersant, fluid loss, accelerator, & LCM mixed at 11.6 ppg, 3.12 ft^3/sk, 17.71 gal wtr/sx.

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

Total estimated slurry volume for the 5.5" production casing is 1859 ft^3. Slurry includes 15% excess of calculated open hole annular volume.

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

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 (8555') to the bottom of the surface csg. Run Neutron/Lithodensity/Pe/GR/Cal from TD (8555) to 2200'.

6. FORMATION TOPS:

FORMATION	Sub-Sea Elev. (@SHL)	TVD (@SHL)
Green River	5321	208
Mahogany Bench Mbr.	4588	941
Wasatch Tongue	2690	2839
Green River Tongue	2383	3146
Wasatch*	2265	3264
Chapita Wells*	N/A	N/A
Uteland Buttes	N/A	N/A
Mesaverde*	-455	5984
Castlegate	-2825	8354
TD**	**-3026**	**8555**

** Primary Objective*

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7. ANTICIPATED OIL, GAS, & WATER ZONES:

A.

Formation	Expected Fluids	Well Depth Top
Green River	Water/Oil Shale	208
Mahogoany Bench Mbr.	Water/Oil Shale	941
Wasatch Tongue	Oil/Gas/Water	2839
Green River Tongue	Oil/Gas/Water	3146
Wasatch*	Gas/Water	3264
Chapita Wells*	Gas/Water	N/A
Uteland Buttes	Gas/Water	N/A
Mesaverde*	Gas/Water	5984
Castlegate	Gas/Water	8354

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_2S.
D. Expected bottom hole pressure 4200 psi.
E. Base of Moderately Saline Water (USGS) at 3939'.

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 approved 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.

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

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

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

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

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

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

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

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

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

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

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

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

e. See attached BOP & Choke manifold diagrams.

9. COMPANY PERSONNEL:

Name	Title	Office Phone	Home Phone
Justin Niederhofer	Drilling Engineer	505-333-3199	505-320-0158
Bobby Jackson	Drilling Superintendent	505-333-3224	505-486-4706
Jeff Jackson	Project Geologist	817-885-2800	

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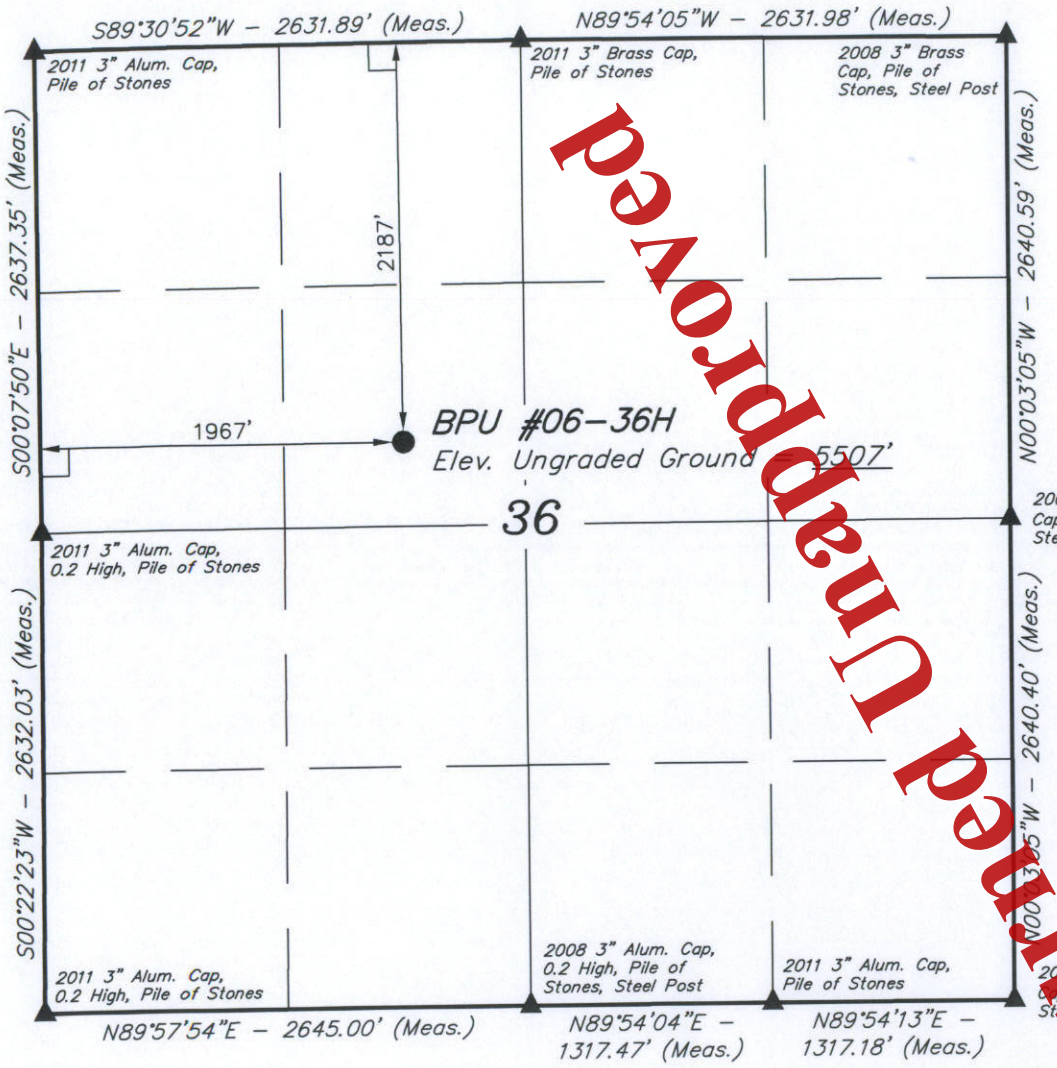
T11S, R20E, S.L.B.&M.



XTO ENERGY, INC.

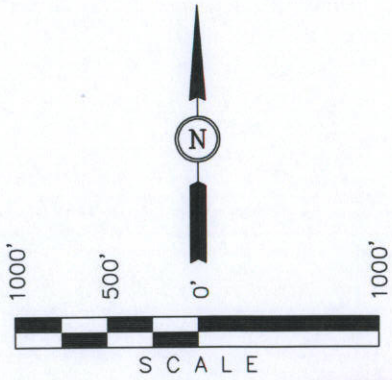
Well location, BPU #06-36H, located as shown in the SE 1/4 NW 1/4 of Section 36, T11S, R20E, S.L.B.&M., Uintah County, Utah.

BASIS OF ELEVATION

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

BASIS OF BEARINGS

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



CERTIFICATE

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

REGISTERED LAND SURVEYOR
REGISTRATION NO. 161319
STATE OF UTAH

10-25-11

LEGEND:

- ∟ = 90° SYMBOL
- ● = PROPOSED WELL HEAD.
- ▲ = SECTION CORNERS LOCATED.

NAD 83 (SURFACE LOCATION)	
LATITUDE	39°49'05.85" (39.818292)
LONGITUDE	109°37'48.37" (109.630103)
NAD 27 (SURFACE LOCATION)	
LATITUDE	39°49'05.97" (39.818325)
LONGITUDE	109°37'45.89" (109.629414)

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

SCALE	DATE SURVEYED:	DATE DRAWN:
1" = 1000'	10-24-11	10-25-11
PARTY: B.B. J.G. Z.L.	REFERENCES: G.L.O. PLAT	
WEATHER: WARM	FILE: XTO ENERGY, INC.	

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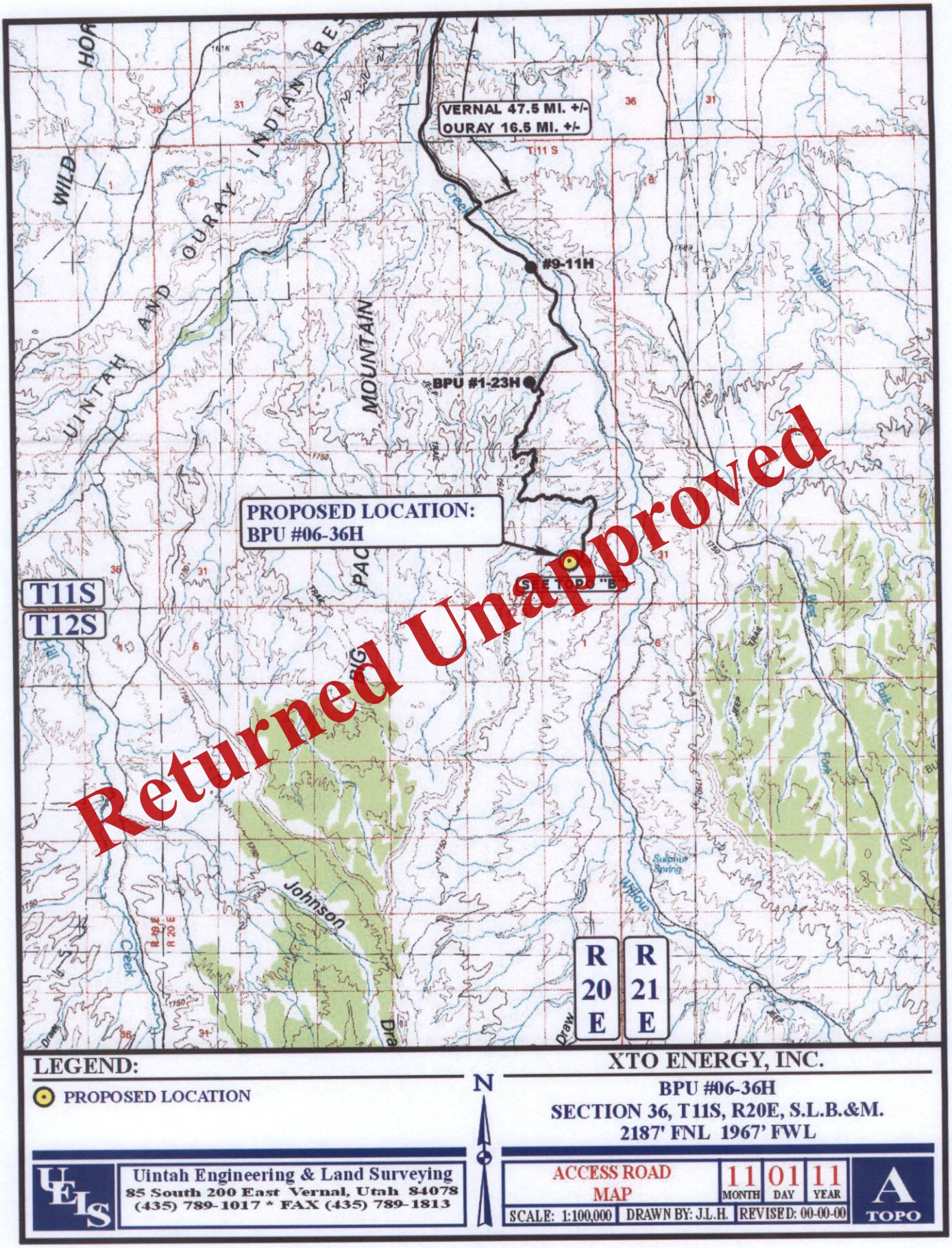

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SURFACE USE PLAN

Name of Operator: **XTO Energy Inc.**

Address: **382 CR 3100**
Aztec, NM 87410

Well Location: **BPU 6-36H**
2187' FNL & 1967' FWL SE/4 NW/4 Section 36, 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.

An on-site inspection for the referenced well was conducted on November 9, 2011. Those present were:

Krista Wilson	Permitting Tech.	XTO Energy Inc.
Jody Mecham	Construction Coordinator	XTO Energy Inc.
Misty Roberts	EH&S	XTO Energy Inc.
Damien Jones	NGO	XTO Energy Inc.
Brandon Bowthorpe	Surveyor	UELS
Jim Davis	Resource Specialist	SITLA
Ben William	Wildlife Biologist	UDNR
Richard Powell	Petroleum Specialist	UDOGM
Branon Rochelle	NRS	BLM
Katie Nash	ROW Specialist	BLM

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 55.2 miles southwest of Vernal, 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, then southeasterly direction for 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 for 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 southerly direction for approximately 4.6 miles to the junction for this road and an existing road to the southwest. Turn right and proceed in southwesterly direction for approximately 0.2 miles to the junction of this road and an existing road to the southeast. Turn left and proceed in a southeasterly direction for approximately 1.0 miles to the existing #9-11 an the beginning of the proposed access for the #13-12 to the southeast. Follow the road flags in a southeasterly direction for approximately 1,584' to the beginning of the proposed access for the #15-13H to the southeast. Follow the road flags in a southeasterly direction for approximately 5,280' to the beginning of the proposed access for the # 1-23 to the southwest. Follow the road flags in a southwesterly direction for approximately 4,470' to the beginning of the proposed access for the #14-01M to the southeast. Follow the road flags in a

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d. All existing roads within a one (1) mile radius of the proposed well site are shown in Exhibit "B1 and B2". 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 Big Pack Unit Area. However, an encroachment permit is not anticipated since no upgrades to the State or County Road System are anticipated 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. A Federal Right-of-Way is needed for the portion of the access and pipeline corridor outside of Section 36.

2. <u>Planned Access Roads:</u>

a. Location (centerline): From the existing LCU 9-11H access road, an access is proposed trending southwesterly approximately 5,280 feet to the proposed BPU 1-23H, then continuing southwest to the 6-36H approximately 22,852' to the beginning of the access road to the northwest. The access consists of entirely new construction. Adequate culverts and/or low water crossings will be incorporated where needed.

b. A road design plan is not anticipated at this time.

c. The proposed access road will consist of a 24' travel surface within a 30' disturbed area.

d. SITLA approval to construct and utilize the proposed access road is requested with this application. Federal surface use is being requested through a separate Federal Right-of-Way application.

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

f. No turnouts are proposed since adequate site distance exists in all directions.

g. No surfacing material will come from SITLA, Federal or Tribal lands.

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

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

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j. Adequate drainage structures and culverts will be incorporated into the road where needed.

k. All access roads and surface disturbing activities will conform to the standards outlined in the Bureau of Land Management and Forest Service Publication: Surface Operating Standards and Guidelines for Oil and Gas Exploration and Development (Gold Book – Fourth Edition – Revised 2007).

l. The operator will be responsible for all maintenance of the access roads, including any anticipated drainage structures.

m. 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 though they would now apply to facilities outside of the lease/unit as a result of a boundary adjustment. Rental fees, if appropriate shall be recalculated based on the conditions of this grant and the regulations in effect at the time of an automatic amendment.
- 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 –

- 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 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 approximately 207 feet southeasterly to tie into the a proposed pipeline for the proposed BPU 14-01H (see Exhibit D).

g. The new gas pipeline will be a 24" or less buried line and the water pipeline will be a 12" or less poly pipe buried within a 50' wide disturbed pipeline corridor.

h. Construction of the pipeline corridor will temporarily utilize a 30' disturbed width for the road for a total disturbed width of 80' for the road and pipeline corridors. The use of the proposed well site and access road will facilitate the staging of the pipeline corridor construction.

i. XTO Energy Inc. intends to bury the pipeline where possible and connect the pipeline together utilizing conventional welding technology.

5. <u>Location and Type of Water Supply:</u>

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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 "B1 and B2".

d. Water will be hauled from one of the following sources:

- Water Permit # 43-10991, Section 9, 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 # 43-9077, 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 southeast 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 with 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.

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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 toiled 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 northwest.

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 sloped 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. SWCA has 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. SWCA 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.

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

d. An off-lease Federal Right-of-Way is necessary prior to any construction outside of State Section 36.

Received: November 21, 2011

XTO ENERGY, INC.

BPU #06-36H

LOCATED IN UINTAH COUNTY, UTAH
SECTION 36, T11S, R20E, S.L.B.&M.

PHOTO: VIEW FROM CORNER #5 TO LOCATION STAKE

CAMERA ANGLE: NORTHEASTERLY

PHOTO: VIEW FROM BEGINNING OF PROPOSED ACCESS

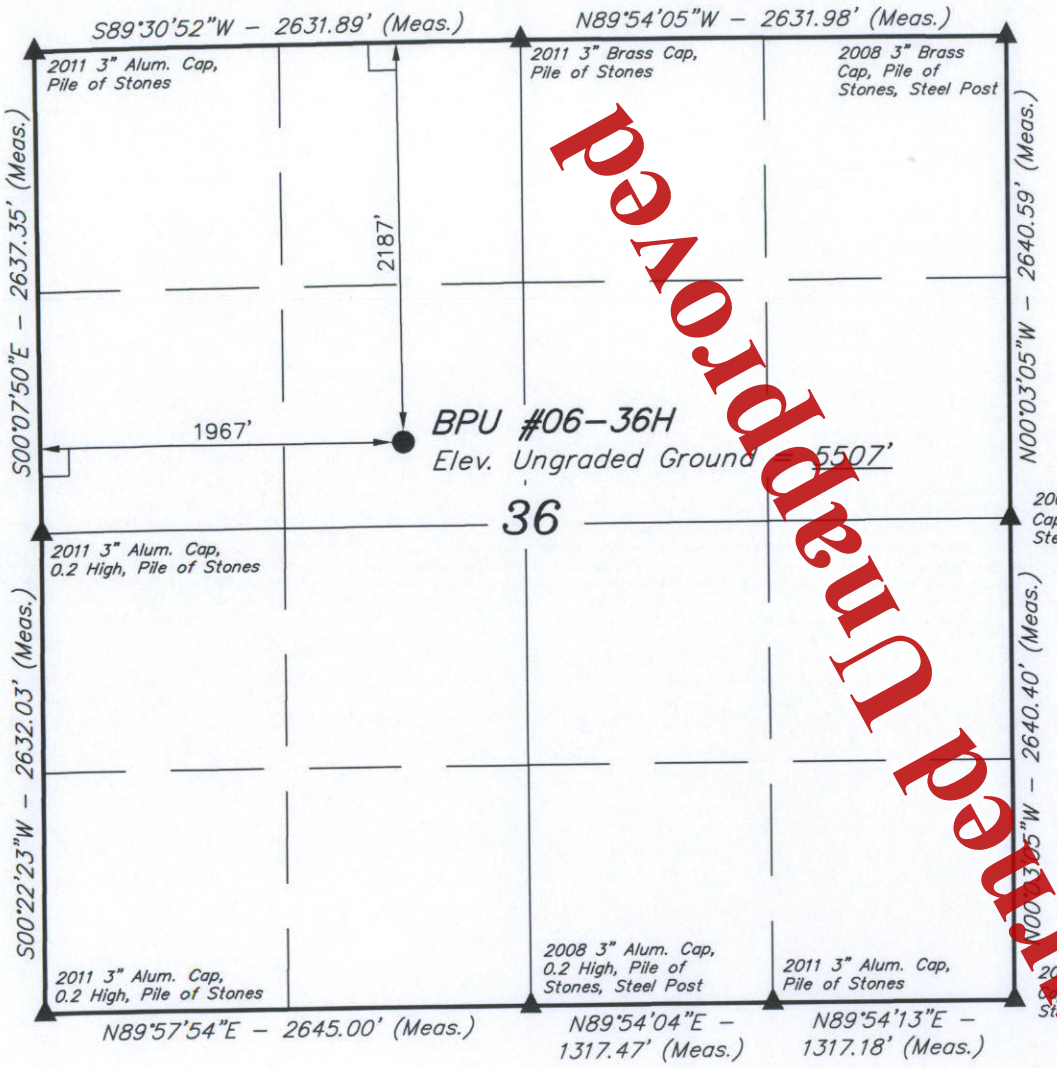
CAMERA ANGLE: NORTHWESTERLY

- Since 1964 -
Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
(435) 789-1017 * FAX (435) 789-1813

LOCATION PHOTOS	11 MONTH	01 DAY	11 YEAR	PHOTO
TAKEN BY: B.B.	DRAWN BY: J.L.H.	REVISED: 00-00-00		

Received: November 21, 2011

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



XTO ENERGY, INC.

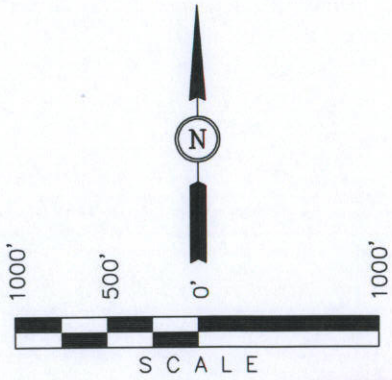
Well location, BPU #06-36H, located as shown in the SE 1/4 NW 1/4 of Section 36, T11S, R20E, S.L.B.&M., Uintah County, Utah.

BASIS OF ELEVATION

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

BASIS OF BEARINGS

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



CERTIFICATE

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

REGISTERED LAND SURVEYOR
REGISTRATION NO. 161319
STATE OF UTAH

10-25-11

LEGEND:

- ∟ = 90° SYMBOL
- ● = PROPOSED WELL HEAD.
- ▲ = SECTION CORNERS LOCATED.

NAD 83 (SURFACE LOCATION)	
LATITUDE	39°49'05.85" (39.818292)
LONGITUDE	109°37'48.37" (109.630103)
NAD 27 (SURFACE LOCATION)	
LATITUDE	39°49'05.97" (39.818325)
LONGITUDE	109°37'45.89" (109.629414)

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

SCALE	DATE SURVEYED:	DATE DRAWN:
1" = 1000'	10-24-11	10-25-11
PARTY: B.B. J.G. Z.L.	REFERENCES: G.L.O. PLAT	
WEATHER: WARM	FILE: XTO ENERGY, INC.	

Received: November 21, 2011

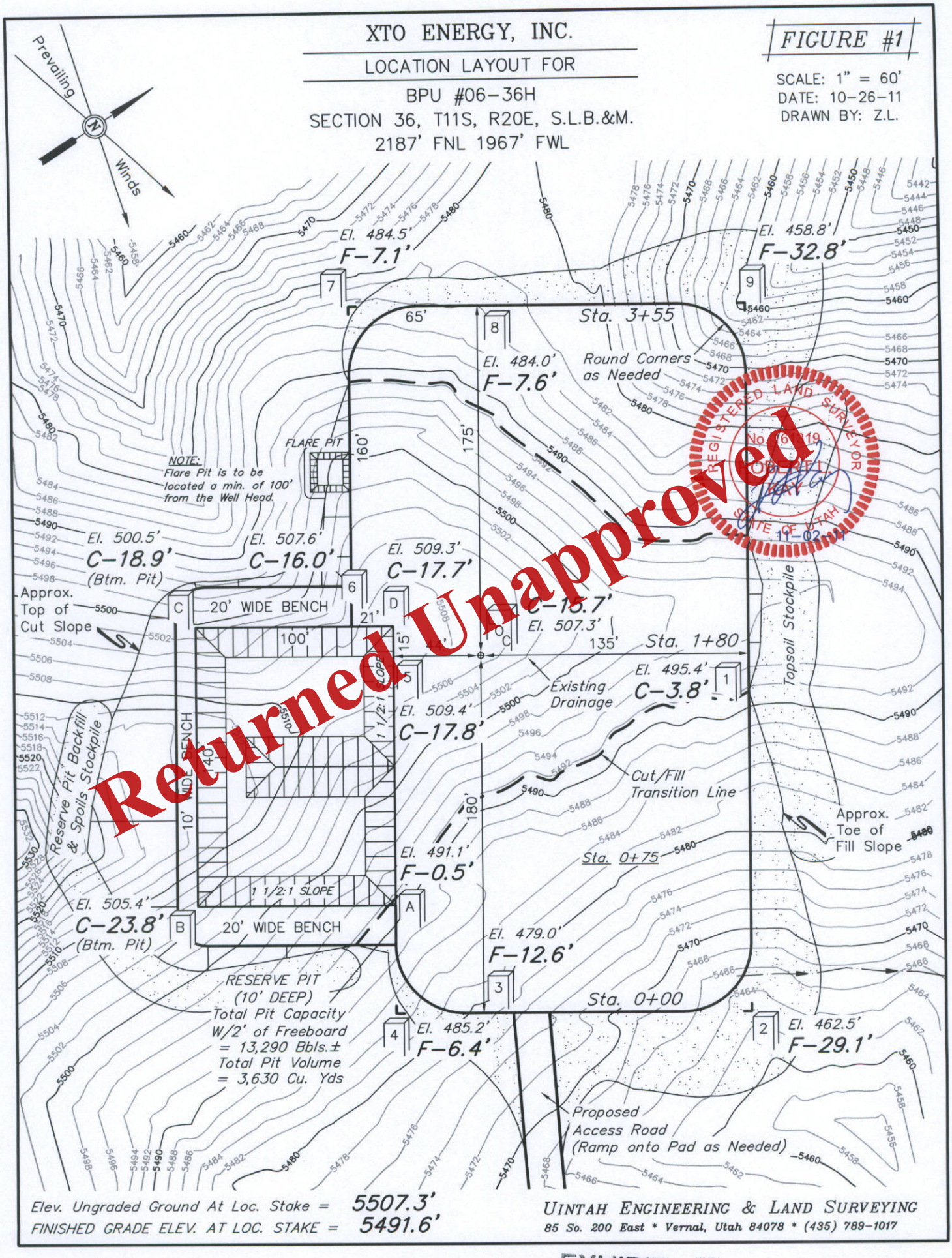


EXHIBIT E

Received: November 21, 2011

XTO ENERGY, INC.

TYPICAL CROSS SECTIONS FOR

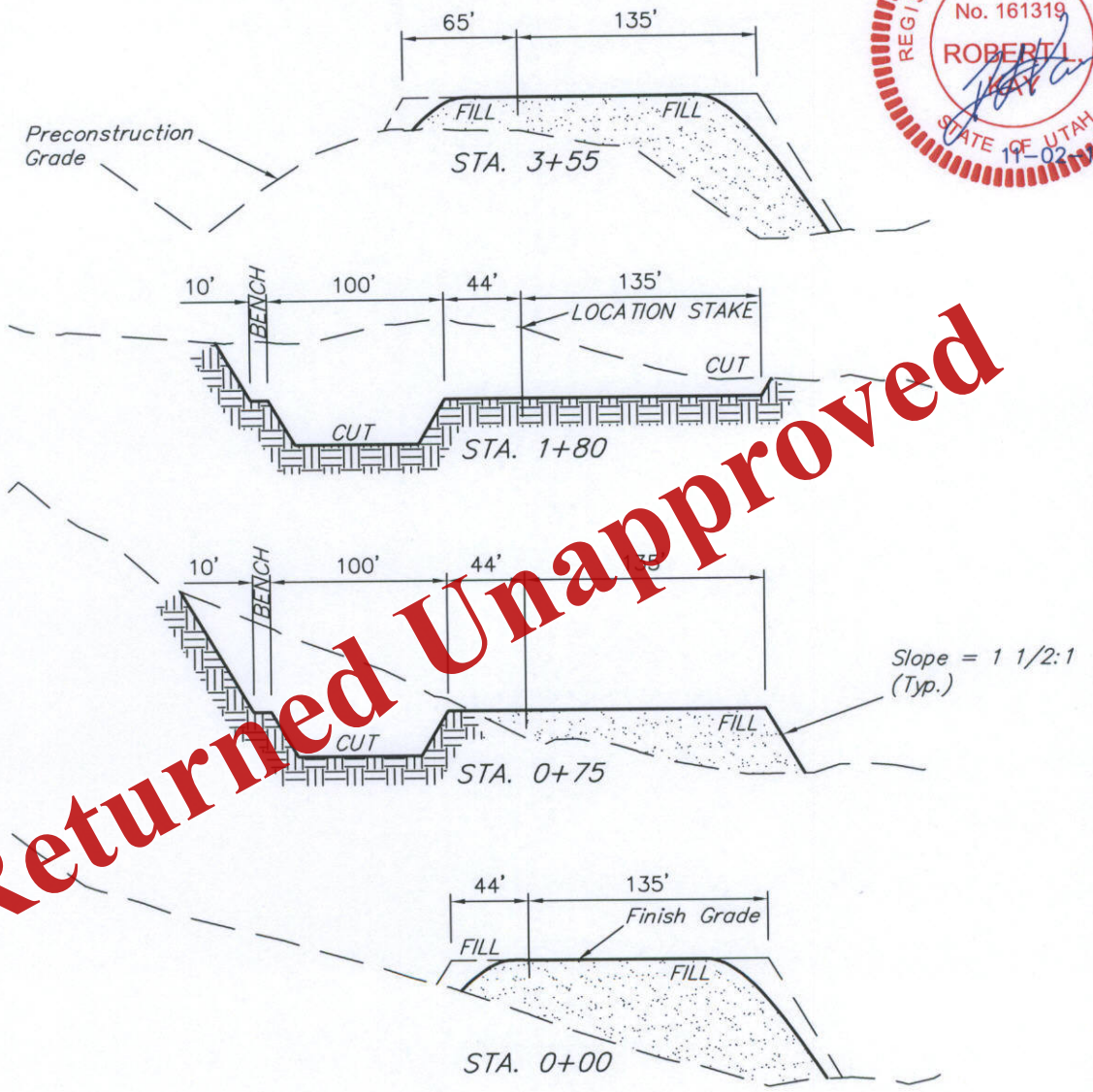
BPU #06-36H
SECTION 36, T11S, R20E, S.L.B.&M.
2187' FNL 1967' FWL

FIGURE #2

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

DATE: 10-26-11
DRAWN BY: Z.L.

REGISTERED LAND SURVEYOR
No. 161319
ROBERT L.
STATE OF UTAH
11-02-11



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

APPROXIMATE ACREAGES

WELL SITE DISTURBANCE = ± 2.824 ACRES
ACCESS ROAD DISTURBANCE = ± 0.165 ACRES
PIPELINE DISTURBANCE = ± 0.143 ACRES
TOTAL = ± 3.132 ACRES

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

APPROXIMATE YARDAGES

(6") Topsoil Stripping	=	*2,200* Cu. Yds.
Remaining Location	=	*23,070* Cu. Yds.
TOTAL CUT	=	*25,270* CU.YDS.
FILL	=	*21,250* CU.YDS.

EXCESS MATERIAL	=	*4,020* Cu. Yds.
Topsoil & Pit Backfill (1/2 Pit Vol.)	=	*4,020* Cu. Yds.
EXCESS UNBALANCE (After Interim Rehabilitation)	=	*0* Cu. Yds.

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

Received: November 21, 2011

XTO ENERGY, INC.

TYPICAL RIG LAYOUT FOR

BPU #06-36H

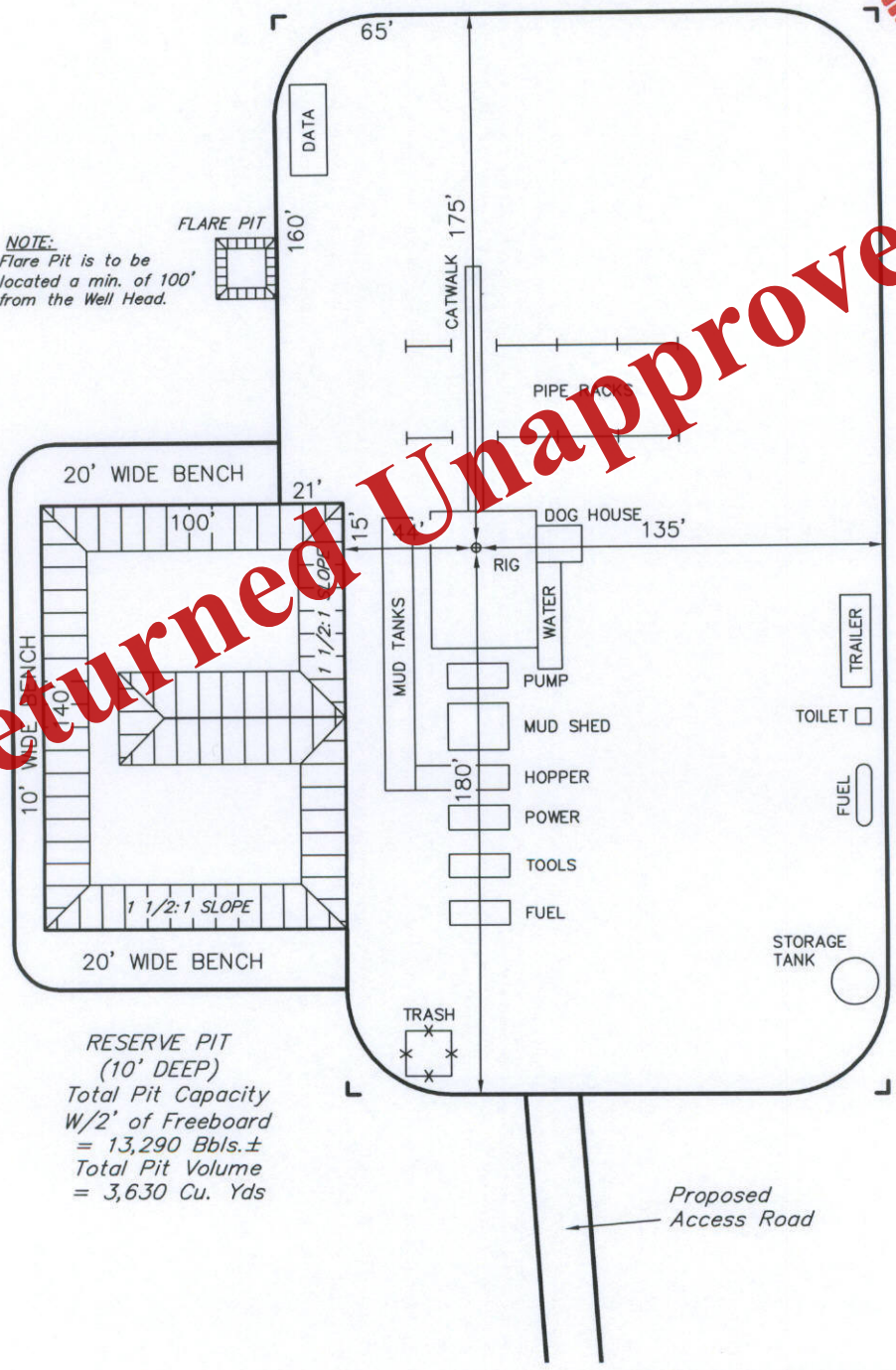
SECTION 36, T11S, R20E, S.L.B.&M.

2187' FNL 1967' FWL

FIGURE #3

SCALE: 1" = 60'
DATE: 10-26-11
DRAWN BY: Z.L.

REGISTERED LAND SURVEYOR
No. 161319
ROBERT L.
STATE OF UTAH
11-02-11



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

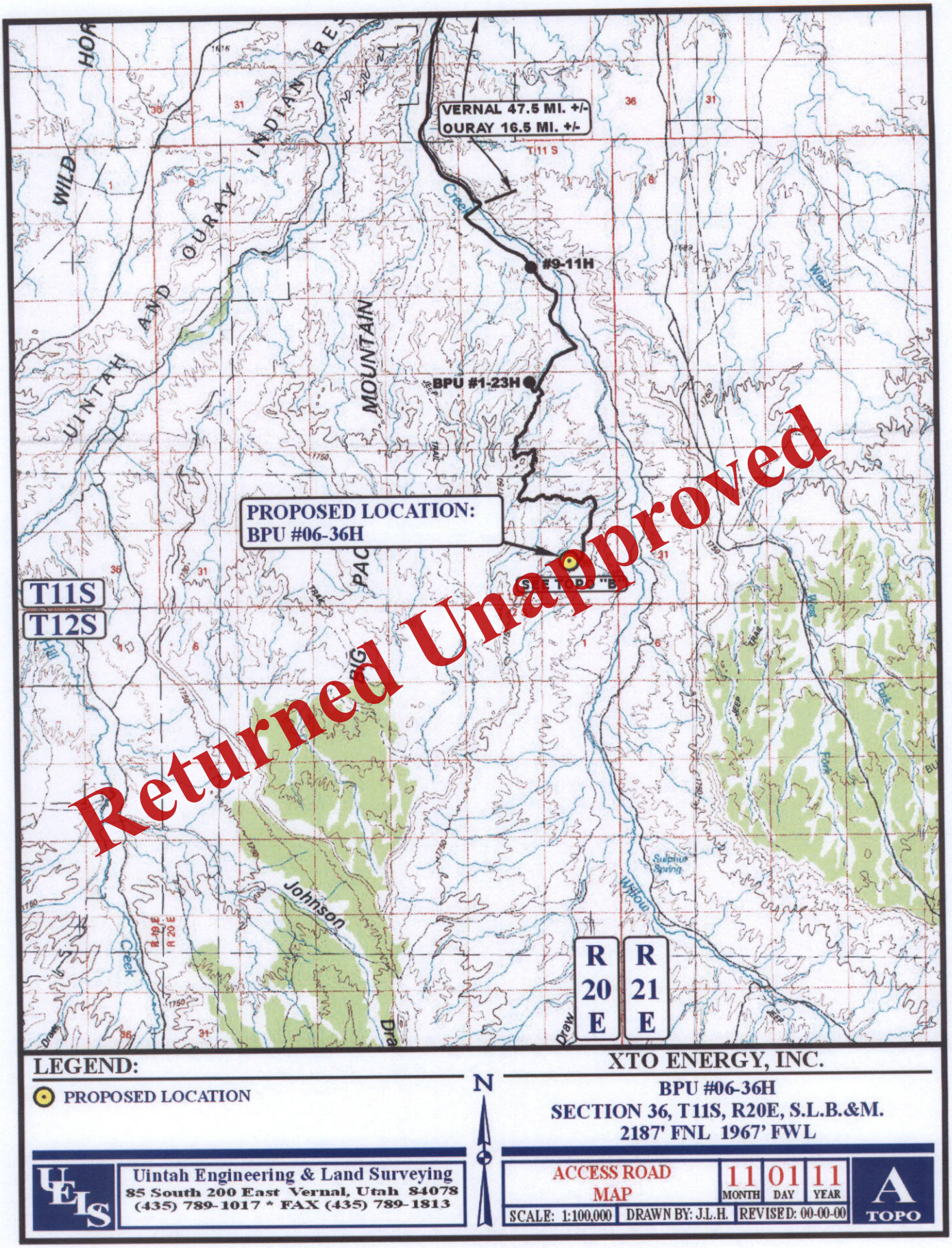
Received: November 21, 2011

XTO ENERGY, INC.
BPU #06-36H
SECTION 36, T11S, R20E, S.L.B.&M.

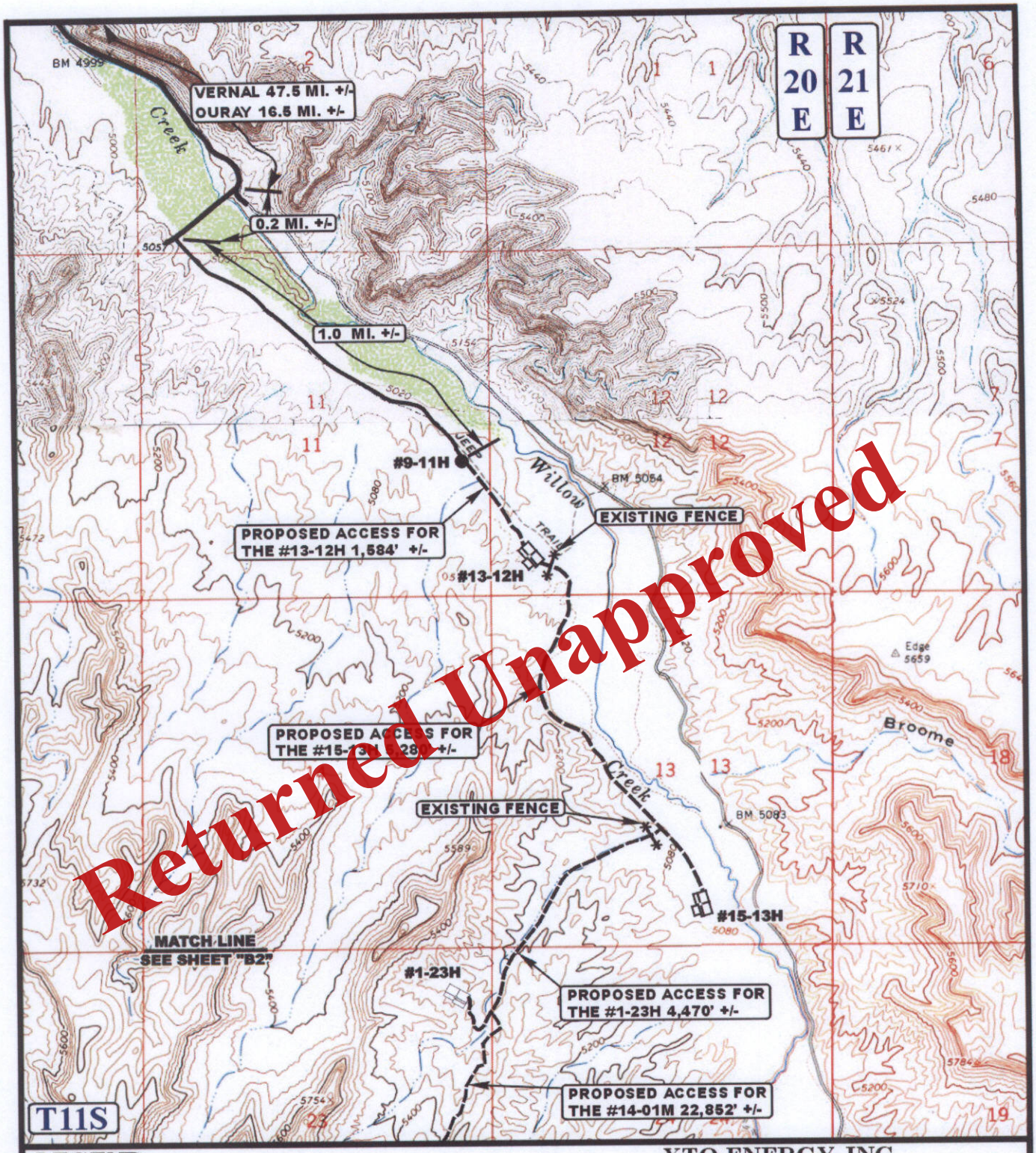
PROCEED IN A WESTERLY DIRECTION FROM VERNAL, UTAH ALONG U.S. HIGHWAY 40 APPROXIMATELY 14.0 MILES TO THE JUNCTION OF STATE HIGHWAY 88; EXIT LEFT AND PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 17.0 MILES TO OURAY, UTAH; PROCEED IN A SOUTHERLY, THEN SOUTHEASTERLY DIRECTION APPROXIMATELY 9.1 MILES ON THE SEEP RIDGE ROAD TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTH; TURN RIGHT AND PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 2.8 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTHWEST; TURN LEFT AND PROCEED IN A SOUTHWESTERLY, THEN SOUTHERLY DIRECTION APPROXIMATELY 4.6 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTHWEST; TURN RIGHT AND PROCEED IN A SOUTHWESTERLY DIRECTION APPROXIMATELY 0.2 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTHEAST; TURN LEFT AND PROCEED IN A SOUTHEASTERLY DIRECTION APPROXIMATELY 1.0 MILES TO THE EXISTING #9-11H AND THE BEGINNING OF THE PROPOSED ACCESS FOR THE #13-12H TO THE SOUTHEAST; FOLLOW ROAD FLAGS IN A SOUTHEASTERLY DIRECTION APPROXIMATELY 1,584' TO THE BEGINNING OF THE PROPOSED ACCESS FOR THE #15-13H TO THE SOUTHEAST; FOLLOW ROAD FLAGS IN A SOUTHEASTERLY DIRECTION APPROXIMATELY 5,280' TO THE BEGINNING OF THE PROPOSED ACCESS FOR THE #1-23H TO THE SOUTHWEST; FOLLOW ROAD FLAGS IN A SOUTHWESTERLY DIRECTION APPROXIMATELY 4,470' TO THE BEGINNING OF THE PROPOSED ACCESS FOR THE #14-01M TO THE SOUTHEAST; FOLLOW ROAD FLAGS IN A SOUTHEASTERLY, THE SOUTHWESTERLY DIRECTION APPROXIMATLEY 22,852' TO THE BEGINNING OF PROPOSED ACCESS TO THE NORTHWEST; FOLLOW ROAD FLAGS IN A NORTHWESTERLY DIRECTION APPROXIMATLEY 239' TO PROPOSED LOCATION.

TOTAL DISTANCE FROM VERNAL, UTAH TO THE PROPOSED WELL LOCATION IS APPROXIMATELY 55.2 MILES.

Received: November 21, 2011



Received: November 21, 2011



LEGEND:

EXISTING ROAD

PROPOSED ACCESS ROAD

EXISTING FENCE

N

XTO ENERGY, INC.

BPU #06-36H

SECTION 36, T11S, R20E, S.L.B.&M.

2187' FNL 1967' FWL

Uintah Engineering & Land Surveying

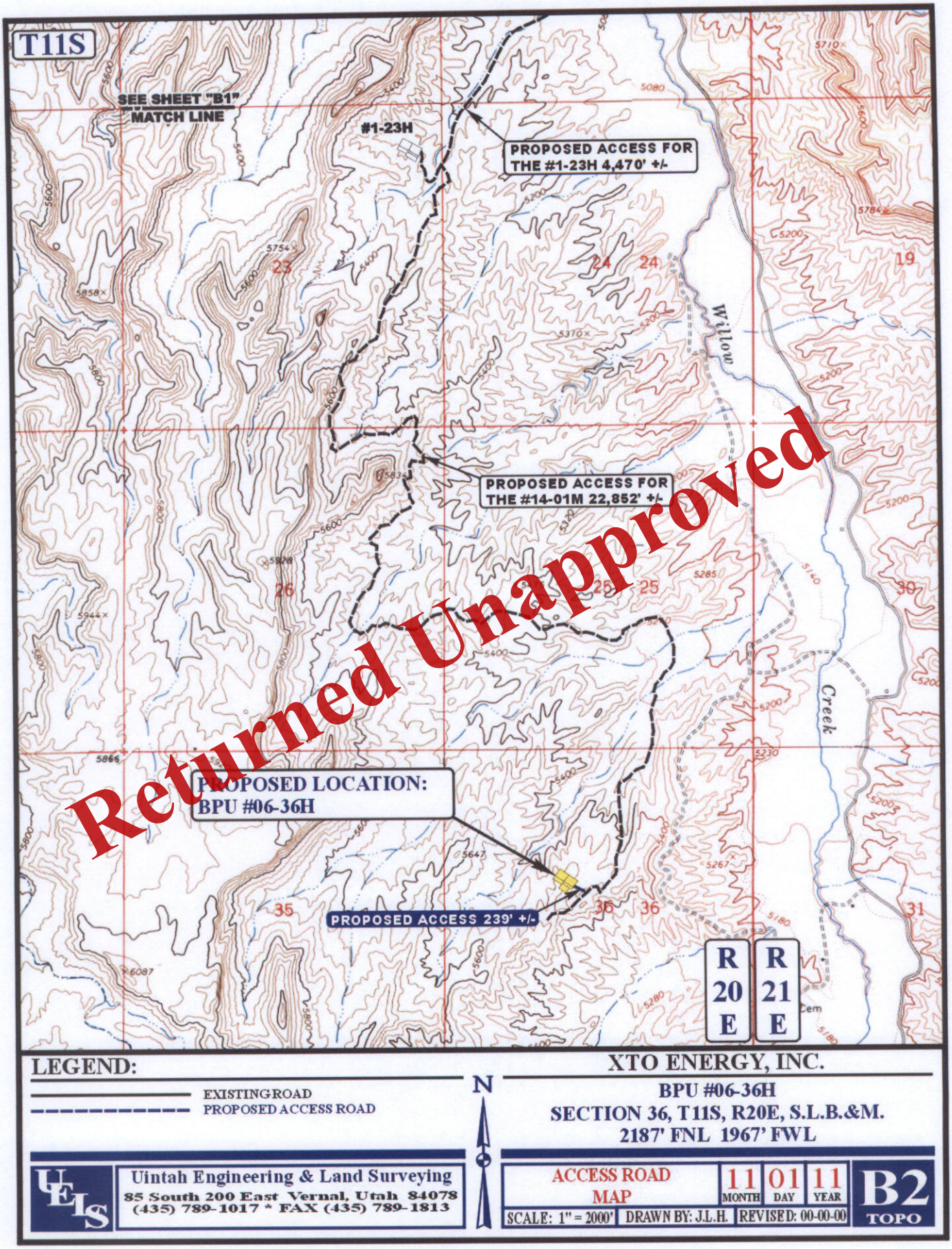
85 South 200 East Vernal, Utah 84078

(435) 789-1017 * FAX (435) 789-1813

ACCESS ROAD MAP | 11 MONTH | 01 DAY | 11 YEAR | B1 TOPO

SCALE: 1" = 2000' | DRAWN BY: J.L.H. | REVISED: 00-00-00

Received: November 21, 2011



LEGEND:

EXISTING ROAD

PROPOSED ACCESS ROAD

N

XTO ENERGY, INC.

BPU #06-36H

SECTION 36, T11S, R20E, S.L.B.&M.

2187' FNL 1967' FWL

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

ACCESS ROAD MAP | 11 MONTH | 01 DAY | 11 YEAR | B2 TOPO

SCALE: 1" = 2000' | DRAWN BY: J.L.H. | REVISED: 00-00-00

Received: November 21, 2011

LEGEND:

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

N

XTO ENERGY, INC.

BPU #06-36H

SECTION 36, T11S, R20E, S.L.B.&M.

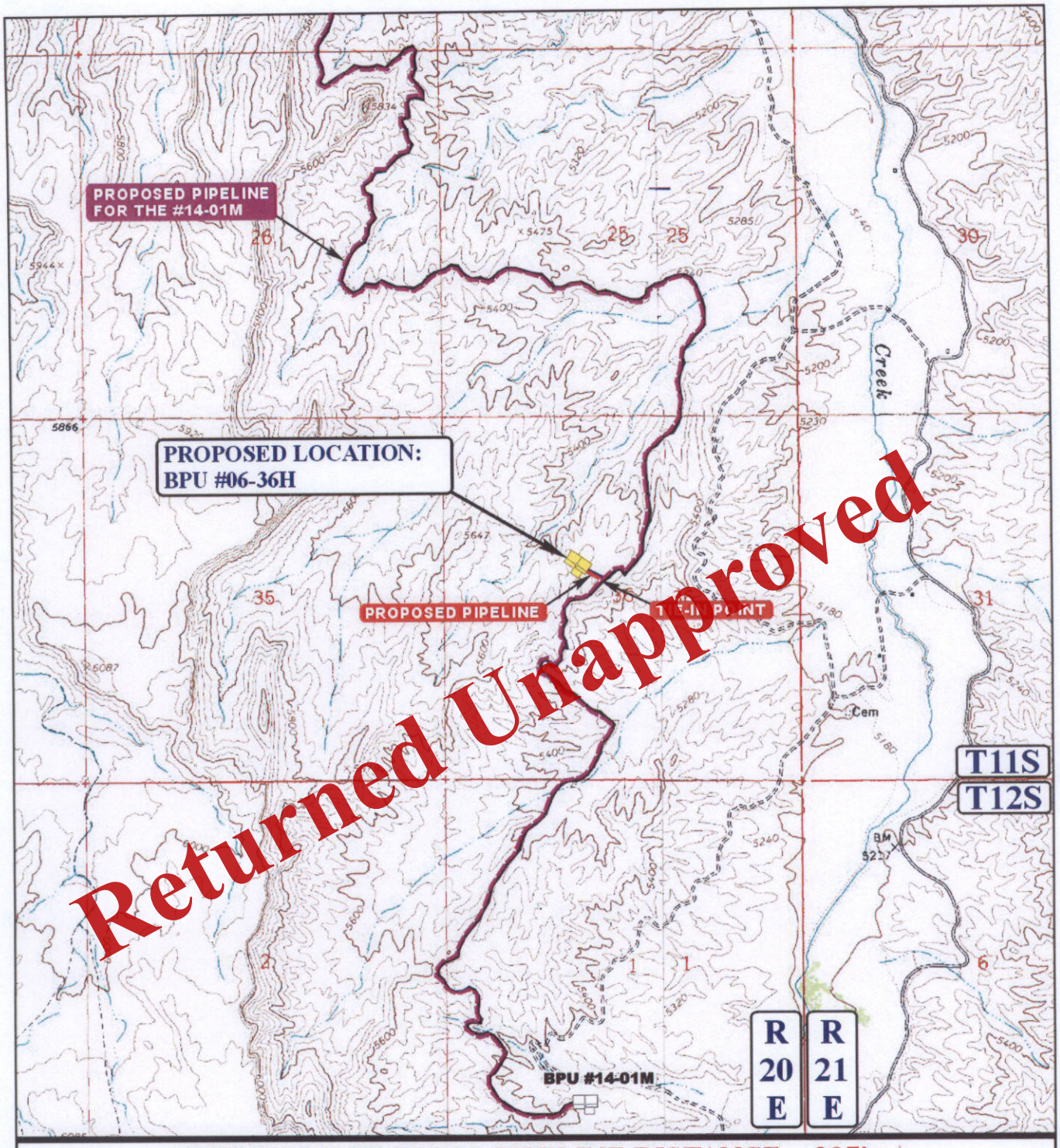
2187' FNL 1967' FWL

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

TOPOGRAPHIC MAP | 11 MONTH | 01 DAY | 11 YEAR | C TOPO

SCALE: 1" = 2000' | DRAWN BY: J.L.H. | REVISED: 00-00-00

Received: November 21, 2011



APPROXIMATE TOTAL PIPELINE DISTANCE = 207' +/-

LEGEND:

PROPOSED ACCESS ROAD

PROPOSED PIPELINE

PROPOSED PIPELINE (SERVICING OTHER WELLS)

N

XTO ENERGY, INC.

BPU #06-36H
SECTION 36, T11S, R20E, S.L.B.&M.
2187' FNL 1967' FWL

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

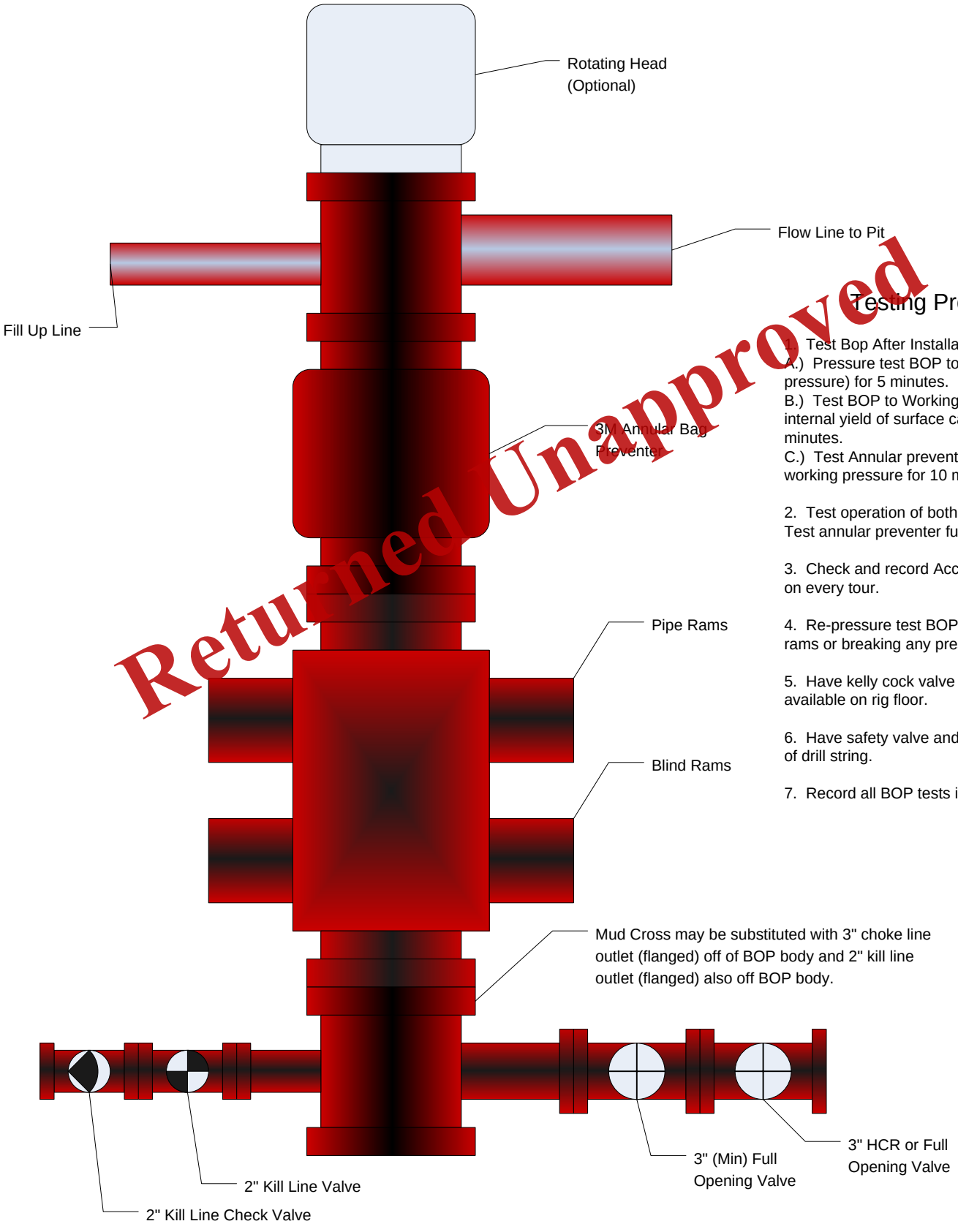
TOPOGRAPHIC MAP | 11 MONTH | 01 DAY | 11 YEAR | D TOPO

SCALE: 1" = 2000' | DRAWN BY: J.L.H. | REVISED: 00-00-00

Received: November 21, 2011

XTO Energy

3M BOP Stack	11/8/2006	



Testing Procedure

1. Test Bop After Installation:
A.) Pressure test BOP to 200-300 psig (low pressure) for 5 minutes.
B.) Test BOP to Working pressure or 70% internal yield of surface casing for 10 minutes.
C.) Test Annular preventer to 50% of working pressure for 10 minutes.

2. Test operation of both rams on each trip. Test annular preventer function weekly.

3. Check and record Accumulator pressure on every tour.

4. Re-pressure test BOP after changing rams or breaking any pressure tested seal.

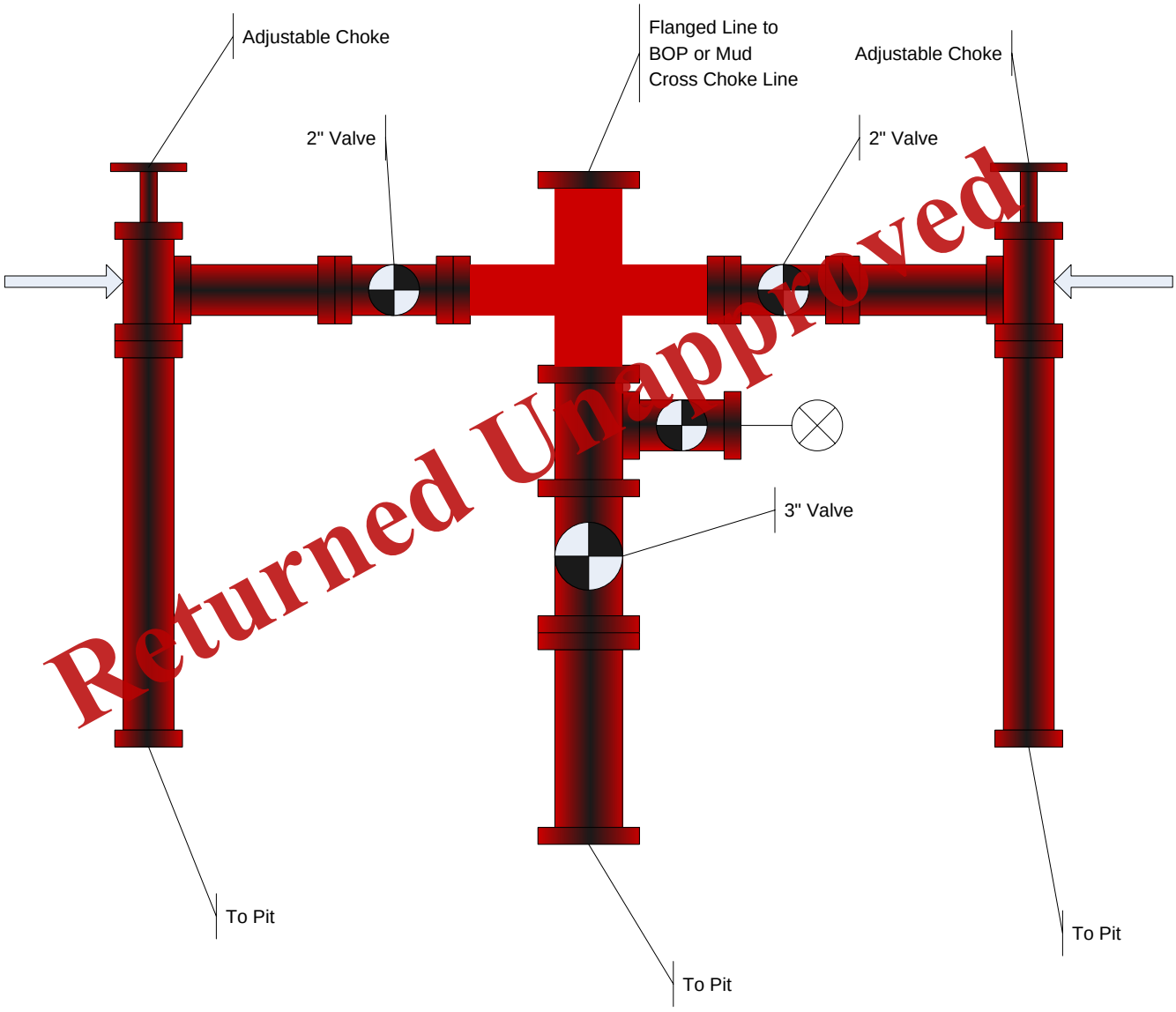
5. Have kelly cock valve with handle available on rig floor.

6. Have safety valve and subs to fit all sizes of drill string.

7. Record all BOP tests in IADC book.

Received: November 21, 2011

XTO Energy		
3M Choke Manifold	11/9/2006	



Received: November 21, 2011

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 21st day of November, 2011.

Signature: Krista Wilson
Krista Wilson

Received: November 21, 2011

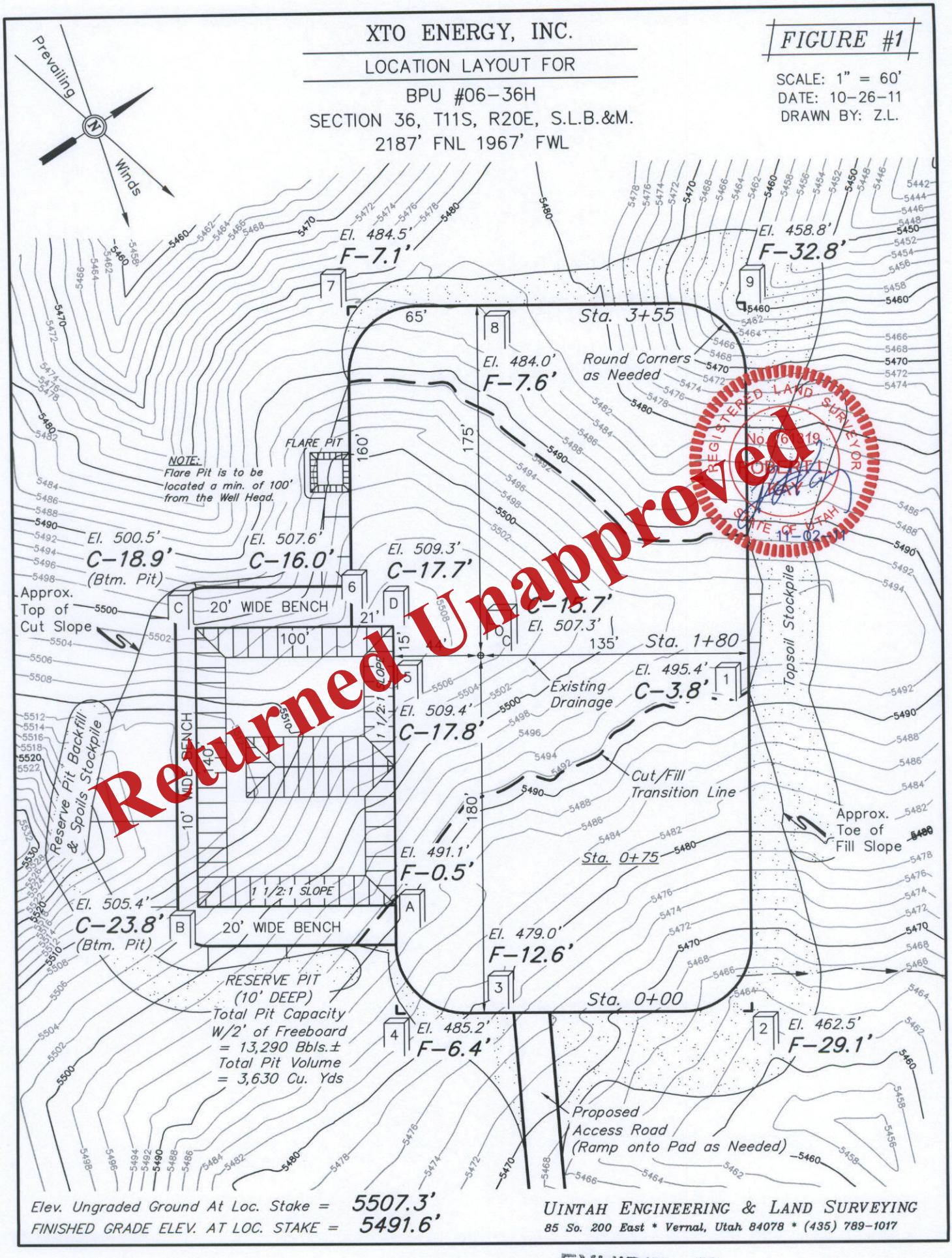


EXHIBIT E

Received: November 21, 2011

XTO ENERGY, INC.

TYPICAL CROSS SECTIONS FOR

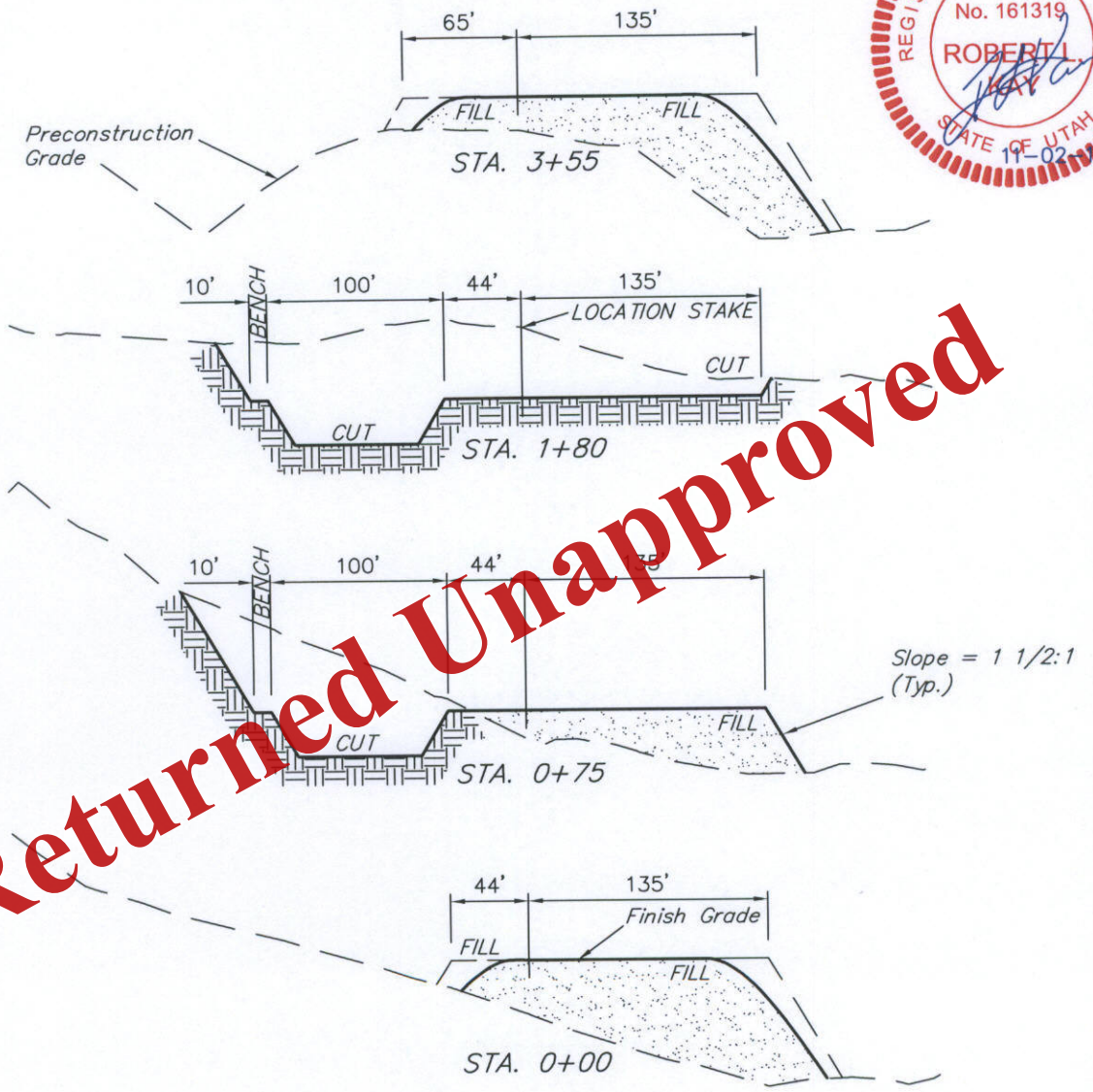
BPU #06-36H
SECTION 36, T11S, R20E, S.L.B.&M.
2187' FNL 1967' FWL

FIGURE #2

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

DATE: 10-26-11
DRAWN BY: Z.L.

REGISTERED LAND SURVEYOR
No. 161319
ROBERT L.
STATE OF UTAH
11-02-11



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

APPROXIMATE ACREAGES

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ACCESS ROAD DISTURBANCE = ± 0.165 ACRES
PIPELINE DISTURBANCE = ± 0.143 ACRES
TOTAL = ± 3.132 ACRES

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FILL QUANTITY INCLUDES 5% FOR COMPACTION

APPROXIMATE YARDAGES

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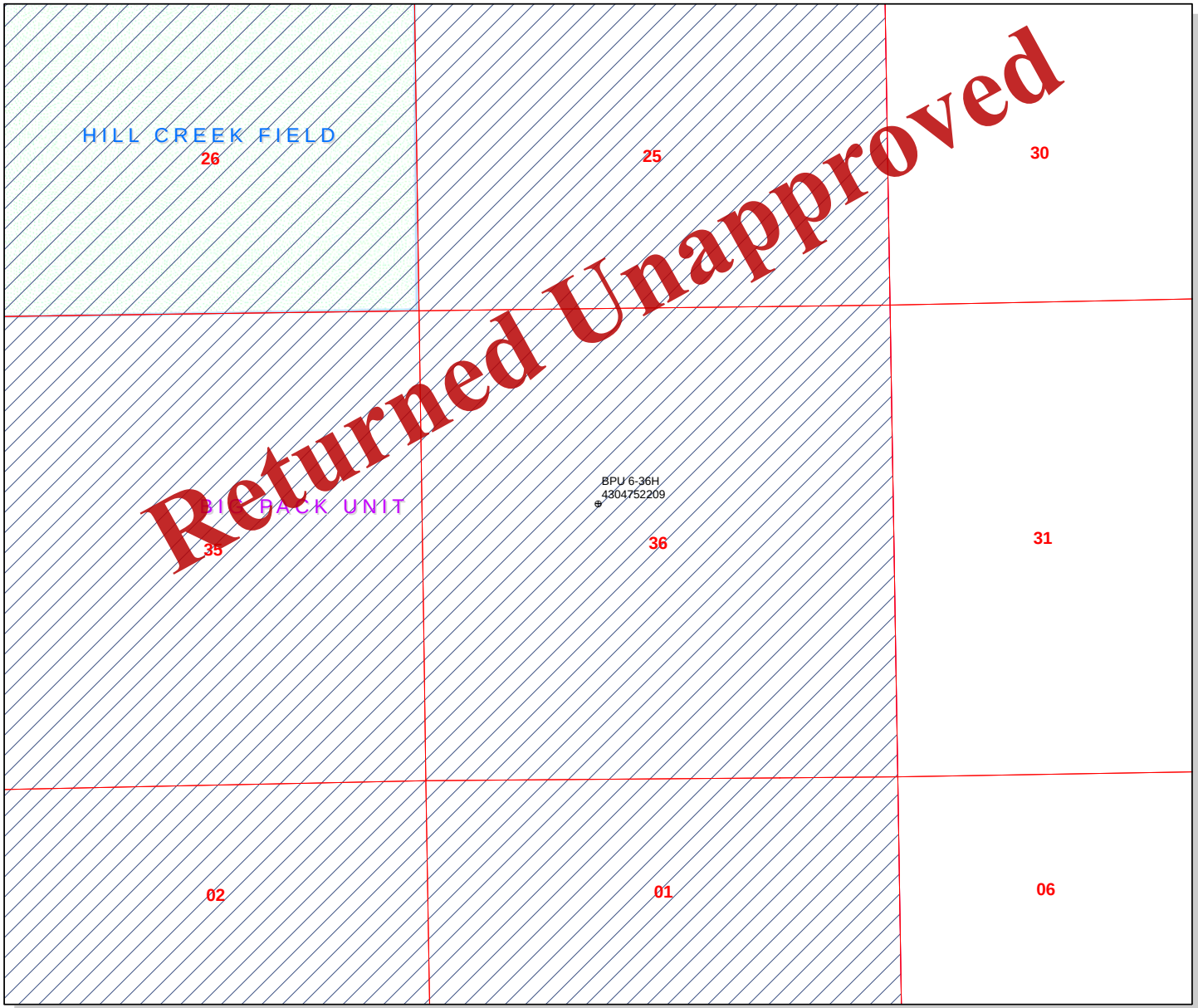
EXCESS MATERIAL	=	*4,020* Cu. Yds.
Topsoil & Pit Backfill (1/2 Pit Vol.)	=	*4,020* Cu. Yds.
EXCESS UNBALANCE (After Interim Rehabilitation)	=	*0* Cu. Yds.

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

Received: November 21, 2011



API Number: 4304752209

Well Name: BPU 6-36H

Township T1.1 . Range R2.0 . Section 36

Meridian: SLBM

Operator: XTO ENERGY INC

Map Prepared:
Map Produced by Diana Mason

Units
STATUS
ACTIVE
EXPLORATORY
GAS STORAGE
NF PP OIL
NF SECONDARY
PI OIL
PP GAS
PP GEOTHERML
PP OIL
SECONDARY
TERMINATED

Fields
STATUS
Unknown
ABANDONED
ACTIVE
COMBINED
INACTIVE
STORAGE
TERMINATED

Wells Query
Status
APD - Aproved Permit
DRL - Spuded (Drilling Commenced)
GIW - Gas Injection
GS - Gas Storage
LA - Location Abandoned
LOC - New Location
OPS - Operation Suspended
PA - Plugged Abandoned
PGW - Producing Gas Well
POW - Producing Oil Well
RET - Returned APD
SGW - Shut-in Gas Well
SOW - Shut-in Oil Well
TA - Temp. Abandoned
TW - Test Well
WDW - Water Disposal
WIW - Water Injection Well
WSW - Water Supply Well

1,500 750 0 1,500 Feet

1:13,828

Received: December 01, 2011

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)

December 2, 2011

Memorandum

To: Assistant District Manager Minerals, Vernal District

From: Michael Coulthard, Petroleum Engineer

Subject: 2011 Plan of Development Big Pack 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 well is planned for calendar year 2011 within the Big Pack Unit, Uintah County, Utah.

API #	WELL NAME	LOCATION

(Proposed PZ WASATCH-MESA VERDE)

43-047-52209 BPU 6-36H Sec 36 T11S R20E 2187 FNL 1967 FWL

This office has no objection to permitting the well 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: 2011.12.02 08:02:59 -07'00'

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

MCoulthard:mc:12-2-11

Received: December 02, 2011

XTO ENERGY

December 7, 2011

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

RE: Directional Drilling Regulation R649-3-3

Well Name: BPU 6-36H
Location: 2817" FNL & 1967' FWL, SE/4 NW/4
Section 36, T11S, R20E, SLB&M, Uintah County, Utah

To Whom It May Concern:

In reference to the State Oil and Gas Conservation rule R649-3-3, the proposed BPU 6-36H is an exception to this rule due to topography and location of the proposed well.

There are no additional lease owners within 460' of the proposed location.

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

Thank you,

Krista Wilson

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

Returned Unapproved

Received: December 07, 2011

BOPE REVIEW XTO ENERGY INC BPU 6-36H 43047522090000

Well Name	XTO ENERGY INC BPU 6-36H 43047522090000			
String	SURF	PROD		
Casing Size(")	9.625	5.500		
Setting Depth (TVD)	2200	8555		
Previous Shoe Setting Depth (TVD)	0	2200		
Max Mud Weight (ppg)	8.4	9.2		
BOPE Proposed (psi)	0	3000		
Casing Internal Yield (psi)	3520	7740		
Operators Max Anticipated Pressure (psi)	4200	9.4		

Calculations	SURF String	9.625	"	
Max BHP (psi)	.052*Setting Depth*MW=	961		
			BOPE Adequate For Drilling And Setting Casing at Depth?	
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=	697	NO	FW spud mud
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=	477	NO	
			*Can Full Expected Pressure Be Held At Previous Shoe?	
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=	477	NO	No expected pressures
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=	4093		
			BOPE Adequate For Drilling And Setting Casing at Depth?	
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=	3066	NO	
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=	2211	YES	OK
			*Can Full Expected Pressure Be Held At Previous Shoe?	
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=	2695	NO	OK
Required Casing/BOPE Test Pressure=		3000	psi	
*Max Pressure Allowed @ Previous Casing Shoe=		2200	psi	*Assumes 1psi/ft frac gradient

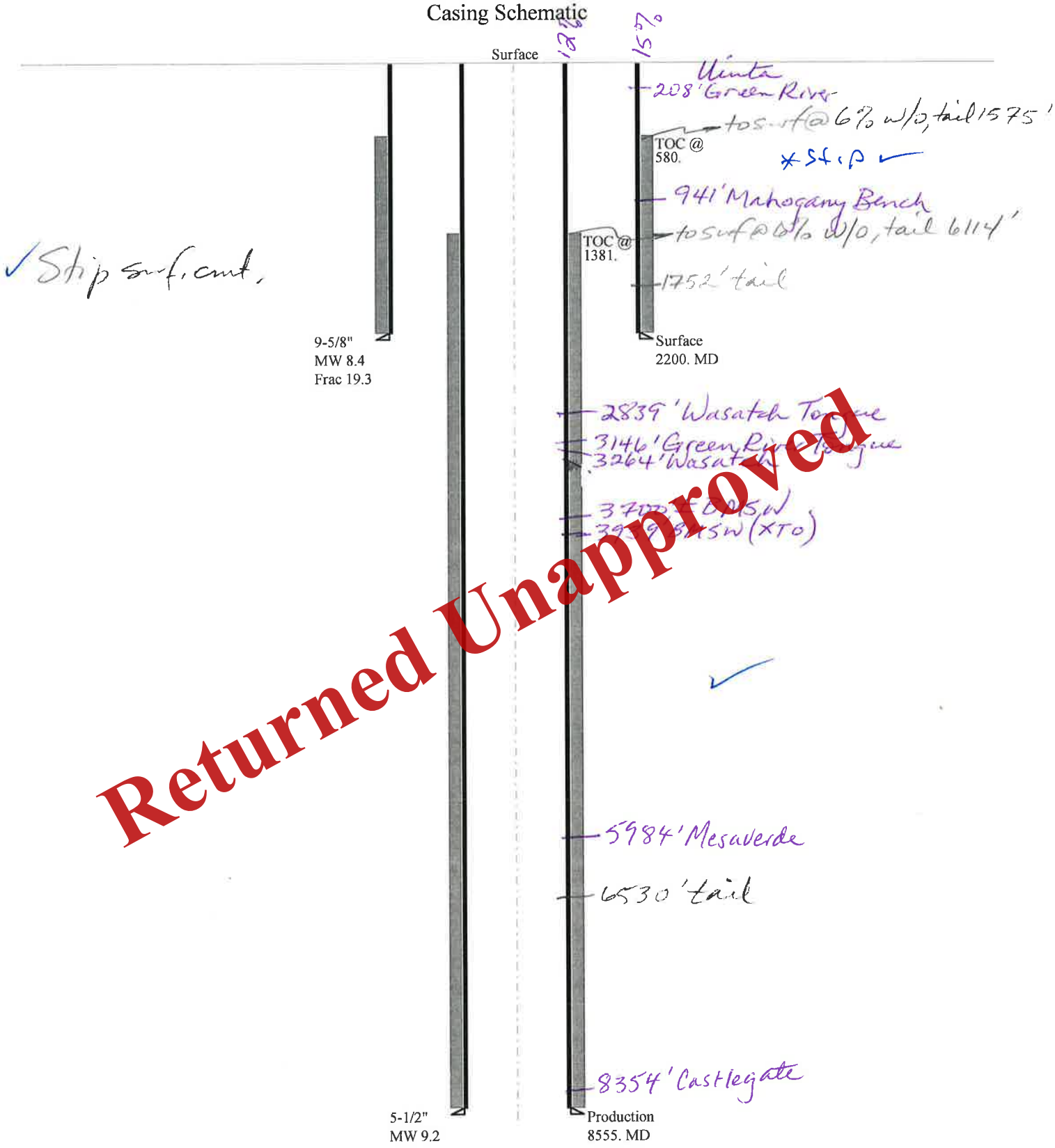
Calculations	String		"	
Max BHP (psi)	.052*Setting Depth*MW=			
			BOPE Adequate For Drilling And Setting Casing at Depth?	
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=		NO	
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=		NO	
			*Can Full Expected Pressure Be Held At Previous Shoe?	
Pressure At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

Received: July 17, 2012

43047522090000 BPU 6-36H

Casing Schematic



Received: July 17, 2012

Well name:	43047522090000 BPU 6-36H
Operator:	XTO ENERGY INC
String type:	Surface
Project ID:	43-047-52209
Location:	UINTAH COUNTY

Design parameters:

Collapse
Mud weight: 8.400 ppg
Design is based on evacuated pipe.

Burst
Max anticipated surface pressure: 1,936 psi
Internal gradient: 0.120 psi/ft
Calculated BHP 2,200 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: 1,926 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: 580 ft

Non-directional string.

Re subsequent strings:
Next setting depth: 8,555 ft
Next mud weight: 9.200 ppg
Next setting BHP: 4,089 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)	Est. Cost ($)
1	2200	9.625	36.00	J-55	ST&C	2200	2200	8.796	19122

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	960	2020	2.104	2200	3520	1.60	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: February 8,2012
Salt Lake City, Utah

Remarks:
Collapse is based on a vertical depth of 2200 ft, a mud weight of 8.4 ppg The casing is considered to be evacuated for collapse purposes.
Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

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

Received: July 17, 2012

Well name:	43047522090000 BPU 6-36H
Operator:	XTO ENERGY INC
String type:	Production
Project ID:	43-047-52209
Location:	UINTAH COUNTY

Design parameters:

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

Burst
Max anticipated surface pressure: 2,207 psi
Internal gradient: 0.220 psi/ft
Calculated BHP 4,089 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: 7,362 ft

Environment:
H2S considered? No
Surface temperature: 74 °F
Bottom hole temperature: 194 °F
Temperature gradient: 1.40 °F/100ft
Minimum section length: 100 ft

Cement top: 1,381 ft

Non-directional string.

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	8555	5.5	17.00	N-80	LT&C	8555	8555	4.767	48219

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	4089	6290	1.538	4089	7740	1.89	145.4	348	2.39 J

Prepared by: Helen Sadik-Macdonald
Div of Oil,Gas & Mining
Phone: 801 538-5357
FAX: 801-359-3940
Date: February 8,2012
Salt Lake City, Utah

Remarks:
Collapse is based on a vertical depth of 8555 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.

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

Received: July 17, 2012

GARY R. HERBERT
Governor
SPENCER J. COX
Lieutenant Governor

State of Utah
DEPARTMENT OF NATURAL RESOURCES
MICHAEL R. STYLER
Executive Director
Division of Oil, Gas and Mining
JOHN R. BAZA
Division Director

November 21, 2013

XTO ENERGY INC
PO Box 6501
Englewood, CO 80155

Re: Application for Permit to Drill - UINTAH County, Utah

Ladies and Gentlemen:

The Application for Permit to Drill (APD) for the BPU 6-36H well, API 43047522090000 that was submitted November 21, 2011 is being returned unapproved. If you plan on drilling this well in the future, you must first submit a new application.

Should you have any questions regarding this matter, please call me at (801) 538-5312.

Sincerely,

Diana Mason
Environmental Scientist

Enclosure
cc: Bureau of Land Management, Vernal, Utah