B&A Buys & Associates, Inc.
Environmental Consultants

2580 Creekview Road
Moab, Utah 84532
435/719-2018 435/719-2019 Fax

November 5, 2007

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

RE: Application for Permit to Drill—XTO Energy, Inc.
RBU 6-22F
Surface Location: 1,598' FNL & 2,489' FEL, SW/4 NE/4,
Target Location: 1,850' FNL & 1,850' FWL, SE/4 NW/4,
Section 22, T10S, R20E, SLB&M, Uintah County, Utah

Dear Fluid Minerals Group:

On behalf of XTO Energy, Inc. Buys & Associates, Inc. respectfully submits the enclosed original and three copies of the Application for Permit to Drill (APD) for the above referenced Ute Tribal surface directional well The location of the surface and target location as well as all points along the intended well bore path are within Cause No. 259-01 and are not within 460 feet of the unit boundary or any uncommitted tracts. Included with the APD is the following supplemental information:

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

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

Exhibit "C" - Production site layout;

Exhibit "D" - Directional Drilling Plan with Directional Drilling Report;

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

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

Exhibit "G" - Cultural and Paleontological Clearance Reports.

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

Sincerely,

Don Hamilton

Don Hamilton
Agent for XTO Energy, Inc.

RECEIVED
NOV 09 2007
DIV. OF OIL, GAS & MINING

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

FILE COPY

Form 3160-3
(February 2005)

FORM APPROVED
OMB No. 1004-0137
Expires March 31, 2007

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

5. Lease Serial No.
BIA-14-20-H62-2647

6. If Indian, Allotee or Tribe Name
Ute Indian Tribe

7. If Unit or CA Agreement, Name and No.
River Bend Unit

8. Lease Name and Well No.
RBU 6-22F

9. API Well No.
43-047-39787

1a. Type of work: ☑ DRILL ☐ REENTER

1b. Type of Well: ☐ Oil Well ☑ Gas Well ☐ Other ☐ Single Zone ☑ Multiple Zone

2. Name of Operator
XTO Energy, Inc.

3a. Address **PO Box 1360; 978 North Crescent Roosevelt, UT 84066**

3b. Phone No. *(include area code)*
435-722-4521

10. Field and Pool, or Exploratory
Natural Buttes

4. Location of Well *(Report location clearly and in accordance with any State requirements.*)*
At surface **1,598' FNL & 2,489' FEL, SW/4 NE/4,**
At proposed prod. zone **1,850' FNL & 1,850' FWL, SE/4 NW/4,**

11. Sec., T. R. M. or Blk. and Survey or Area
Section 22, T10S, R20E, SLB&M

14. Distance in miles and direction from nearest town or post office*
10.64 miles south of Ouray, Utah

12. County or Parish
Uintah

13. State
UT

15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) **163'**

16. No. of acres in lease
160 acres

17. Spacing Unit dedicated to this well
40 acres

18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. **25.14'**

19. Proposed Depth
8,275' MD (8,118' TVD)

20. BLM/BIA Bond No. on file
UTB-000138 / 104312 789

21. Elevations (Show whether DF, KDB, RT, GL, etc.)
4,913' GR

22. Approximate date work will start*
01/01/2008

23. Estimated duration
14 days

24. Attachments

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

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

25. Signature Don Hamilton — Name *(Printed/Typed)* **Don Hamilton** — Date **11/05/2007**

Title **Agent for XTO Energy, Inc.**

Approved by *(Signature)* — Name *(Printed/Typed)* BRADLEY G. HILL — Date 11-19-07

Title — Office ENVIRONMENTAL MANAGER

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.
Conditions of approval, if any, are attached.

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

*(Instructions on page 2)

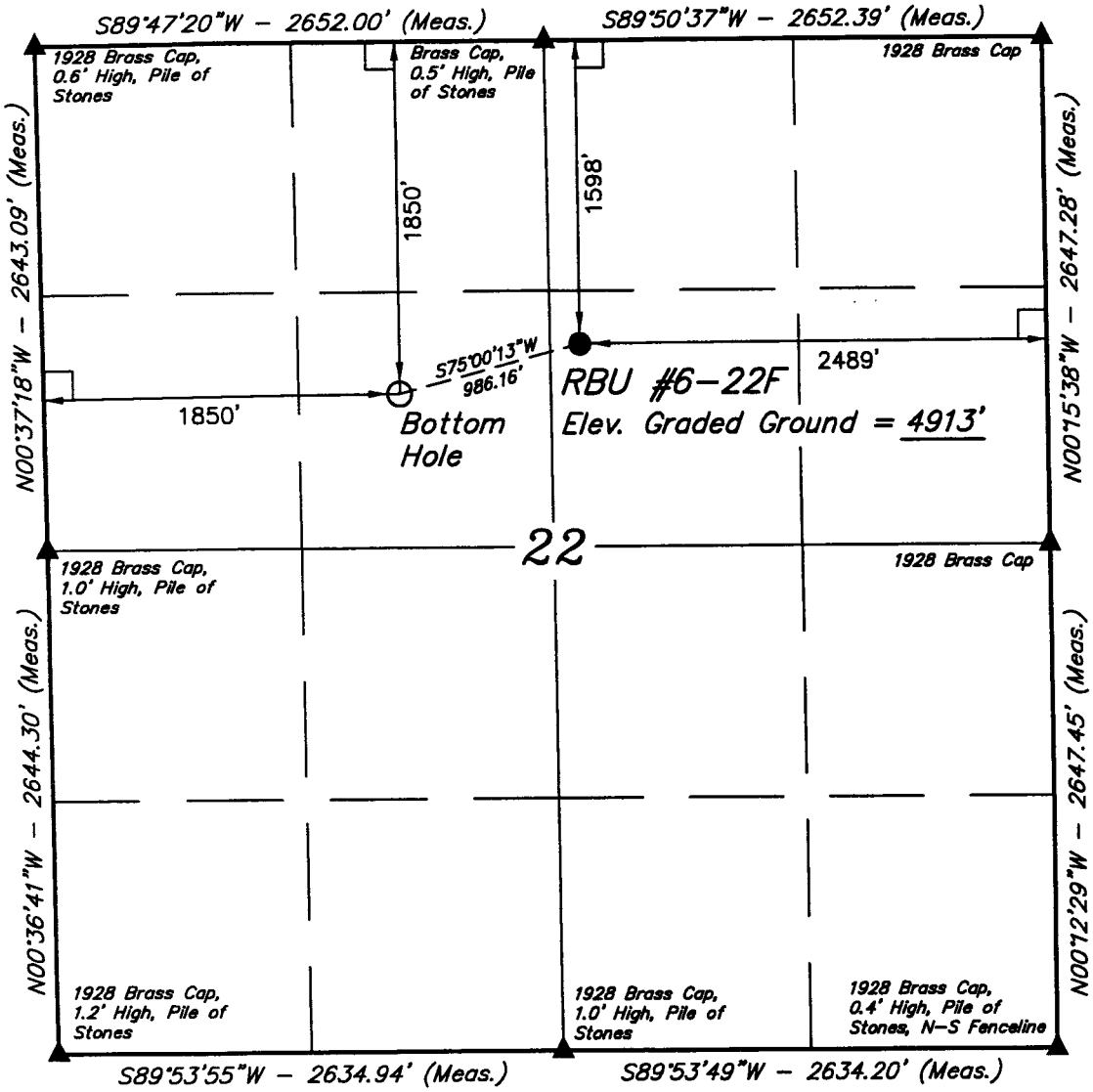
Federal Approval of this Action is Necessary

Surf
615339X
4421295Y
39.935811
-109.650106

BHL
615050X
4421213Y
39.935109
-109.653505

RECEIVED
NOV - 9 2007
DIV OF OIL, GAS & MINING

T10S, R20E, S.L.B.&M.



BASIS OF BEARINGS

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

(NAD 83)
LATITUDE = 39°56'08.92" (39.935811)
LONGITUDE = 109°39'02.86" (109.650794)
(NAD 27)
LATITUDE = 39°56'09.05" (39.935847)
LONGITUDE = 109°39'00.37" (109.650103)

LEGEND:

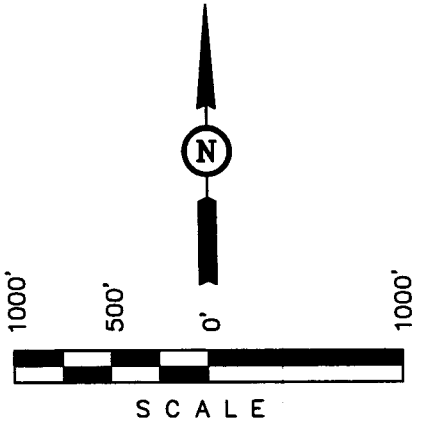
- └ = 90° SYMBOL
- ● = PROPOSED WELL HEAD.
- ▲ = SECTION CORNERS LOCATED.

DOMINION EXPLR. & PROD., INC.

Well location, RBU #6-22F, located as shown in the SW 1/4 NE 1/4 of Section 22, T10S, R20E, S.L.B.&M. Uintah County Utah.

BASIS OF ELEVATION

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



CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE 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

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

SCALE: 1" = 1000'	DATE SURVEYED: 1-30-06	DATE DRAWN: 2-23-06
PARTY: J.F. C.B. K.G.	REFERENCES: G.L.O. PLAT	
WEATHER: COLD	FILE: DOMINION EXPLR. & PROD., INC.	

SURFACE USE PLAN

CONDITIONS OF APPROVAL

Attachment for Permit to Drill

Name of Operator:	XTO Energy, Inc.
Address:	P.O. Box 1360; 978 North Crescent Roosevelt, Utah 84066
Well Location:	RBU 6-22F *Surface Location:* 1,598' FNL & 2,489' FEL, SW/4 NE/4, Target Location: 1,850' FNL & 1,850' FWL, SE/4 NW/4, Section 22, T10S, R20E, SLB&M, Uintah County, Utah

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

The onsite inspection for the referenced well was conducted on Wednesday, May 16, 2007 at approximately 12:00 pm. In attendance at the onsite inspection were the following individuals:

Ken Secrest	Regulatory Coordinator	XTO Energy, Inc.
Dale Birdwell	Regulatory	Dominion E&P, Inc.
Kermit Wopsock	Energy & Mineral Supervisor	Ute Indian Tribe
Shawnee Guzman	BIA Technician	Bureau of Indian Affairs
Karl Wright	Natural Resource Specialist	BLM – Vernal Field Office
Don Allred	Surveyor	Uintah Engineering and Land Surveying
Randy Jackson	Foreman	Jackson Construction
Billy McClure	Foreman	LaRose Construction
Don Hamilton	Permitting Agent	Buys & Associates, Inc.

1. Location of Existing Roads:

   a. The proposed well site is located approximately 10.64 miles south of Ouray, UT.

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

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

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

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

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

   g. An off-lease federal Right-of-Way is not anticipated for the access road or utility corridor since both are located within the River Bend Unit boundary.

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

2. New or Reconstructed Access Roads:

a. Access will utilize the existing access to the RBU 7-22F with no improvements proposed.

3. Location of Existing Wells:

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

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

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

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

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

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

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

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

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

h. An existing pipeline corridor upgrade is proposed from the existing RBU 7-22F well site to the 10" pipeline near the Hill Creek Compressor (1-27) along the existing pipeline route (includes some cross-country segments).

i. A pipeline corridor upgrade to contain 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.

j. 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 construction. An upgrade to a 75' wide buried pipeline corridor of approximately 8,400' is associated with this application.

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

5. Location and Type of Water Supply:

a. No water supply pipelines will be laid for this well.

b. No water well will be drilled for this well.

c. Drilling water for this will be hauled on the road(s) shown in Attachment No. 3.

d. Water will be hauled from one of the following sources:
   - o Water Permit # 43-10447, Section 33, T8S, R20E;
   - o Water Permit #43-2189, Section 33, T8S, R20E;
   - o Water Permit #49-2158, Section 33, T8S, R20E;
   - o Water Permit #49-2262, Section 33, T8S, R20E;
   - o Water Permit #49-1645, Section 5, T9S, R22E;
   - o Water Permit #43-9077, Section 32, T6S, R20E;
   - o Tribal Resolution 06-183, Section 22, T10S, R20E;

6. Source of Construction Material:

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

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

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

7. Methods of Handling Waste:

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

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

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

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

e. The reserve pit will be lined with 16 mil minimum thickness plastic nylon reinforced liner material. The liner will overlay a felt liner pad only if rock is encountered during excavation. The pit liner will overlap the pit walls and be covered with dirt and/or rocks to hold it in place. No trash, scrap pipe, etc., that could puncture the liner will be disposed of in the pit. Pit walls will be sloped no greater than 2:1. A minimum 2-foot freeboard will be maintained in the pit at all times during the drilling and completion operation.

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

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

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

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

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

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

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

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

8. Ancillary Facilities:

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

b. No camps, airstrips or staging areas are proposed with this application.

9. Well Site Layout: (See Exhibit B)

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

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

c. The pad and road designs are consistent with BLM and Tribal specifications.

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

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

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

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

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

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

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

k. Pits will remain fenced until site cleanup.

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

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

10. Plans for Restoration of the Surface (Interim Reclamation and Final Reclamation):

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

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

c. Following BLM published Best Management Practices the interim reclamation will be completed within 90 days of completion of the well to reestablish vegetation, reduce dust and erosion and compliment the visual resources of the area.
    a. All equipment and debris will be removed from the area proposed for interim reclamation and the pit area will be backfilled and re-contoured.
    b. The area outside of the rig anchors and other disturbed areas not needed for the operation of the well will be re-contoured to blend with the surrounding area and reseeded at 12 lbs /acre with the following native grass seeds:
        - Crested Wheat Grass (6 lbs / acre)
        - Needle and Thread Grass (3 lbs / acre)
        - Rice Grass (3 lbs / acre)
    c. Reclaimed areas receiving incidental disturbance during the life of the producing well will be re-contoured and reseeded as soon as practical.

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

e. Prior to final abandonment of the site, all disturbed areas, including the access road, will be scarified and left with a rough surface. The site will then be seeded and/or planted as prescribed by the Ute Indian Tribe. The Ute Indian Tribe recommended seed mix will be detailed within their approval documents.

11. Surface and Mineral Ownership:

a. Surface Ownership – Ute Indian Tribe under the management of the Energy & Minerals Department, P.O. Box 190, Fort Duchesne, Utah 84026; 435-725-4950

b. Mineral Ownership – Federal under the management of the Bureau of Land Management - Vernal Field Office, 170 South 500 East, Vernal, Utah 84078; 435-781-4400.

12. Other Information:

a. Operators Contact Information:

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

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

c. Alden Hamblin has conducted a paleontological survey. A copy of the report is attached and has also been submitted under separate cover to the appropriate agencies by Alden Hamblin.

d. Our understanding of the results of the onsite inspection are:

a. No Threatened and Endangered flora and fauna species were found during the onsite inspection.

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

c. This wellsite is being co-located on the existing RBU 7-22F pad and inside of the existing River Bend Unit boundary.

Certification:

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

Executed this 5th day of November, 2007.

Don Hamilton

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

435-719-2018
starpoint@etv.net

XTO ENERGY INC.

RBU 6-22F
APD Data
November 2, 2007

Location: 1598' FNL & 2498' FEL, Sec. 22, T10S,R20E **County:** Uintah **State:** Utah
Bottomhole Location: 1850' FNL & 1850' FWL, Sec. 22, T10S, R20E

GREATEST PROJECTED TD: 8275' MD/ 8118' TVD OBJECTIVE: Wasatch/Mesaverde
APPROX GR ELEV: 4913' Est KB ELEV: 4927' (14' AGL)

1. MUD PROGRAM:

INTERVAL	0' to 500'	500' to 4200'	4200' to 8275'
HOLE SIZE	17.5"	12.25"	7.875"
MUD TYPE	FW/Spud Mud	FW/Polymer	KCl Based LSND / Gel Chemical
WEIGHT	8.4	8.4-8.8	8.6-9.20
VISCOSITY	NC	28-40	30-60
WATER LOSS	NC	NC	8-15

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

2. CASING PROGRAM:

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

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

Intermediate Casing: 9.625" casing set at ±4200'MD/4043'TVD in a 12.25" hole filled with 8.8 ppg mud

Interval	Length	Wt	Gr	Cplg	Coll Rating (psi)	Burst Rating (psi)	Jt Str (M-lbs)	ID (in)	Drift (in)	SF Coll	SF Burst	SF Ten
0'-4200'	4200'	36#	J-55	ST&C	2020	3520	394	8.921	8.765	1.40	2.43	2.61

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

Production Casing: 5.5" casing set at ±8275'MD/8118'TVD in a 7.875" hole filled with 9.2 ppg mud.

Interval	Length	Wt	Gr	Cplg	Coll Rating (psi)	Burst Rating (psi)	Jt Str (M-lbs)	ID (in)	Drift (in)	SF Coll	SF Burst	SF Ten
0'-8275'	8275'	17#	N-80	LT&C	6280	7740	348	4.892	4.767	2.04	2.52	2.47

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

3. WELLHEAD:

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

4. CEMENT PROGRAM:

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

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

Total estimated slurry volume for the 13.375" surface casing is 646.3 ft³. Slurry includes 67% excess of calculated open hole annular volume to 500'.

B. Intermediate: 9.625", 36#, J-55 (or equiv.), ST&C casing to be set at ±4200' in 12.25" hole.

LEAD:
±475 sx of Premium Plus V Blend. (Type V/Poz/Gel) or equivalent, with dispersant, fluid loss, accelerator, & LCM mixed at 11.0 ppg, 3.82 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" intermediate casing is 2236 ft³. Slurry includes 75% excess of calculated open hole annular volume to 4200'.

C. Production: 5.5", 17#, N-80 (or equiv.), LT&C casing to be set at ±8275' in 7.875" hole.

LEAD:
± 81 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 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, 1.75 cuft/sx, 9.09 gal/sx.

Total estimated slurry volume for the 5.5" production casing is 952 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 and intermediate casing strings. The production casing is designed for 3700'top of cement..

5. LOGGING PROGRAM:

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

B. Open Hole Logs as follows: Run Array Induction/SFL/GR/SP fr/TD (8275') to the bottom of the intermediate csg. Run Neutron/Lithodensity/Pe/GR/Cal from TD (8275') to 4200'.

6. FORMATION TOPS:

Please see attached directional plan.

7. ANTICIPATED OIL, GAS, & WATER ZONES:

A.

Formation	Expected Fluids	TV Depth Top
Wasatch Tongue	Oil/Gas/Water	3,812
Green River Tongue	Oil/Gas/Water	4,158
Wasatch	Gas/Water	4,299
Chapita Wells	Gas/Water	4,948
Uteland Buttes	Gas/Water	6,328
Mesaverde	Gas/Water	7,118

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. BHP's are anticipated to be in the 4100-4600 psi range.

8. BOP EQUIPMENT:

Surface will not utilize a bop stack.

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

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

Minimum specifications for pressure control equipment are as follows:

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

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

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

As a minimum, the above test shall be performed:

a. when initially installed:

b. whenever any seal subject to test pressure is broken

c. following related repairs: and

d. at 30 day intervals

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

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

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

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

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

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

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

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

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

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

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

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

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

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

e. See attached BOP & Choke manifold diagrams.

9. COMPANY PERSONNEL:

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

SURFACE USE PLAN

CONDITIONS OF APPROVAL

Attachment for Permit to Drill

Name of Operator:	XTO Energy, Inc.
Address:	P.O. Box 1360; 978 North Crescent Roosevelt, Utah 84066
Well Location:	RBU 6-22F *Surface Location:* 1,598' FNL & 2,489' FEL, SW/4 NE/4, Target Location: 1,850' FNL & 1,850' FWL, SE/4 NW/4, Section 22, T10S, R20E, SLB&M, Uintah County, Utah

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

The onsite inspection for the referenced well was conducted on Wednesday, May 16, 2007 at approximately 12:00 pm. In attendance at the onsite inspection were the following individuals:

Ken Secrest	Regulatory Coordinator	XTO Energy, Inc.
Dale Birdwell	Regulatory	Dominion E&P, Inc.
Kermit Wopsock	Energy & Mineral Supervisor	Ute Indian Tribe
Shawnee Guzman	BIA Technician	Bureau of Indian Affairs
Karl Wright	Natural Resource Specialist	BLM – Vernal Field Office
Don Allred	Surveyor	Uintah Engineering and Land Surveying
Randy Jackson	Foreman	Jackson Construction
Billy McClure	Foreman	LaRose Construction
Don Hamilton	Permitting Agent	Buys & Associates, Inc.

1. Location of Existing Roads:

   a. The proposed well site is located approximately 10.64 miles south of Ouray, UT.

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

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

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

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

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

   g. An off-lease federal Right-of-Way is not anticipated for the access road or utility corridor since both are located within the River Bend Unit boundary.

2. New or Reconstructed Access Roads:

a. Access will utilize the existing access to the RBU 7-22F with no improvements proposed.

3. Location of Existing Wells:

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

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

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

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

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

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

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

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

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

h. An existing pipeline corridor upgrade is proposed from the existing RBU 7-22F well site to the 10" pipeline near the Hill Creek Compressor (1-27) along the existing pipeline route (includes some cross-country segments).

i. A pipeline corridor upgrade to contain 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.

j. 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 construction. An upgrade to a 75' wide buried pipeline corridor of approximately 8,400' is associated with this application.

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

5. Location and Type of Water Supply:

a. No water supply pipelines will be laid for this well.

b. No water well will be drilled for this well.

c. Drilling water for this will be hauled on the road(s) shown in Attachment No. 3.

d. Water will be hauled from one of the following sources:
   - 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 #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 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 northwest side of the pad.

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

e. The reserve pit will be lined with 16 mil minimum thickness plastic nylon reinforced liner material. The liner will overlay a felt liner pad only if rock is encountered during excavation. The pit liner will overlap the pit walls and be covered with dirt and/or rocks to hold it in place. No trash, scrap pipe, etc., that could puncture the liner will be disposed of in the pit. Pit walls will be sloped no greater than 2:1. A minimum 2-foot freeboard will be maintained in the pit at all times during the drilling and completion operation.

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

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

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

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

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

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

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

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

8. Ancillary Facilities:

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

b. No camps, airstrips or staging areas are proposed with this application.

9. Well Site Layout: (See Exhibit B)

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

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

c. The pad and road designs are consistent with BLM and Tribal specifications.

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

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

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

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

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

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

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

k. Pits will remain fenced until site cleanup.

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

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

10. Plans for Restoration of the Surface (Interim Reclamation and Final Reclamation):

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

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

c. Following BLM published Best Management Practices the interim reclamation will be completed within 90 days of completion of the well to reestablish vegetation, reduce dust and erosion and compliment the visual resources of the area.
    a. All equipment and debris will be removed from the area proposed for interim reclamation and the pit area will be backfilled and re-contoured.
    b. The area outside of the rig anchors and other disturbed areas not needed for the operation of the well will be re-contoured to blend with the surrounding area and reseeded at 12 lbs /acre with the following native grass seeds:
        - Crested Wheat Grass (6 lbs / acre)
        - Needle and Thread Grass (3 lbs / acre)
        - Rice Grass (3 lbs / acre)
    c. Reclaimed areas receiving incidental disturbance during the life of the producing well will be re-contoured and reseeded as soon as practical.

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

e. Prior to final abandonment of the site, all disturbed areas, including the access road, will be scarified and left with a rough surface. The site will then be seeded and/or planted as prescribed by the Ute Indian Tribe. The Ute Indian Tribe recommended seed mix will be detailed within their approval documents.

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 exists; that I am familiar with the conditions which currently exist; that I have full knowledge of state and Federal laws applicable to this operation; that the statements made in this APD package are, to the best of my knowledge, true and correct; and that the work associated with the operations proposed herein will be performed in conformity with this APD package and the terms and conditions under which it is approved. I also certify that I, or the company I represent, am responsible for the operations conducted under this application and that bond coverage is provided under XTO Energy, Inc's BLM bond UTB-000138 and BIA bond 104312 789. These statements are subject to the provisions of 18 U.S.C. 1001 for the fling of false statements.

Executed this 5th day of November, 2007.

Don Hamilton

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

435-719-2018
starpoint@etv.net

XTO Energy

Natural Buttes Wells(NAD83)
RBU 6-22F
RBU 6-22F
RBU 6-22F

Plan: Permitted Wellbore

Standard Planning Report

08 October, 2007

Database:	EDM 2003.14 Single User Db	**Local Co-ordinate Reference:**	Well RBU 6-22F
Company:	XTO Energy	**TVD Reference:**	Frontier Rig #6 @ 4927.0ft (Original Well Elev)
Project:	Natural Buttes Wells(NAD83)	**MD Reference:**	Frontier Rig #6 @ 4927.0ft (Original Well Elev)
Site:	RBU 6-22F	**North Reference:**	True
Well:	RBU 6-22F	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	RBU 6-22F		
Design:	Permitted Wellbore		

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	RBU 6-22F, T10S, R20E				
Site Position:		**Northing:**	3,141,515.48 ft	**Latitude:**	39° 56' 8.920 N
From:	Lat/Long	**Easting:**	2,159,054.19 ft	**Longitude:**	109° 39' 2.858 W
Position Uncertainty:	0.0 ft	**Slot Radius:**	"	**Grid Convergence:**	1.22 °

Well	RBU 6-22F, S-well to Wasatch/Mesaverde					
Well Position	**+N/-S**	0.0 ft	**Northing:**	3,141,515.48 ft	**Latitude:**	39° 56' 8.920 N
	+E/-W	0.0 ft	**Easting:**	2,159,054.19 ft	**Longitude:**	109° 39' 2.858 W
Position Uncertainty		0.0 ft	**Wellhead Elevation:**	4,913.0 ft	**Ground Level:**	4,913.0 ft

Wellbore	RBU 6-22F				
Magnetics	**Model Name**	**Sample Date**	**Declination (°)**	**Dip Angle (°)**	**Field Strength (nT)**
	IGRF200510	10/8/2007	11.59	65.89	52,661

Design	Permitted Wellbore				
Audit Notes:					
Version:		**Phase:**	PROTOTYPE	**Tie On Depth:**	0.0
Vertical Section:	**Depth From (TVD) (ft)**	**+N/-S (ft)**	**+E/-W (ft)**	**Direction (°)**	
	0.0	0.0	0.0	255.00	

Plan Sections

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	TFO (°)	Target
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
560.0	0.00	0.00	560.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,210.3	19.51	255.00	1,197.8	-28.4	-105.9	3.00	3.00	0.00	255.00	
3,506.5	19.51	255.00	3,362.2	-226.8	-846.7	0.00	0.00	0.00	0.00	
4,156.8	0.00	0.00	4,000.0	-255.2	-952.6	3.00	-3.00	0.00	180.00	RBU 6-22F – Reques
8,276.8	0.00	0.00	8,120.0	-255.2	-952.6	0.00	0.00	0.00	0.00	

Database:	EDM 2003.14 Single User Db	**Local Co-ordinate Reference:**	Well RBU 6-22F
Company:	XTO Energy	**TVD Reference:**	Frontier Rig #6 @ 4927.0ft (Original Well Elev)
Project:	Natural Buttes Wells(NAD83)	**MD Reference:**	Frontier Rig #6 @ 4927.0ft (Original Well Elev)
Site:	RBU 6-22F	**North Reference:**	True
Well:	RBU 6-22F	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	RBU 6-22F		
Design:	Permitted Wellbore		

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
100.0	0.00	0.00	100.0	0.0	0.0	0.0	0.00	0.00	0.00
200.0	0.00	0.00	200.0	0.0	0.0	0.0	0.00	0.00	0.00
300.0	0.00	0.00	300.0	0.0	0.0	0.0	0.00	0.00	0.00
400.0	0.00	0.00	400.0	0.0	0.0	0.0	0.00	0.00	0.00
500.0	0.00	0.00	500.0	0.0	0.0	0.0	0.00	0.00	0.00
13 3/8"									
560.0	0.00	0.00	560.0	0.0	0.0	0.0	0.00	0.00	0.00
600.0	1.20	255.00	600.0	-0.1	-0.4	0.4	3.00	3.00	0.00
700.0	4.20	255.00	699.9	-1.3	-5.0	5.1	3.00	3.00	0.00
800.0	7.20	255.00	799.4	-3.9	-14.5	15.1	3.00	3.00	0.00
900.0	10.20	255.00	898.2	-7.8	-29.2	30.2	3.00	3.00	0.00
1,000.0	13.20	255.00	996.1	-13.1	-48.7	50.5	3.00	3.00	0.00
1,100.0	16.20	255.00	1,092.8	-19.6	-73.3	75.8	3.00	3.00	0.00
1,200.0	19.20	255.00	1,188.1	-27.5	-102.6	106.2	3.00	3.00	0.00
1,210.3	19.51	255.00	1,197.8	-28.4	-105.9	109.7	3.00	3.00	0.00
1,300.0	19.51	255.00	1,282.4	-36.1	-134.8	139.6	0.00	0.00	0.00
1,400.0	19.51	255.00	1,376.6	-44.8	-167.1	173.0	0.00	0.00	0.00
1,500.0	19.51	255.00	1,470.9	-53.4	-199.4	206.4	0.00	0.00	0.00
1,600.0	19.51	255.00	1,565.1	-62.0	-231.6	239.8	0.00	0.00	0.00
1,700.0	19.51	255.00	1,659.4	-70.7	-263.9	273.2	0.00	0.00	0.00
1,800.0	19.51	255.00	1,753.6	-79.3	-296.1	306.6	0.00	0.00	0.00
1,900.0	19.51	255.00	1,847.9	-88.0	-328.4	340.0	0.00	0.00	0.00
2,000.0	19.51	255.00	1,942.2	-96.6	-360.7	373.4	0.00	0.00	0.00
2,100.0	19.51	255.00	2,036.4	-105.3	-392.9	406.8	0.00	0.00	0.00
2,200.0	19.51	255.00	2,130.7	-113.9	-425.2	440.2	0.00	0.00	0.00
2,300.0	19.51	255.00	2,224.9	-122.5	-457.4	473.6	0.00	0.00	0.00
2,400.0	19.51	255.00	2,319.2	-131.2	-489.7	507.0	0.00	0.00	0.00
2,500.0	19.51	255.00	2,413.5	-139.8	-522.0	540.4	0.00	0.00	0.00
2,600.0	19.51	255.00	2,507.7	-148.5	-554.2	573.8	0.00	0.00	0.00
2,700.0	19.51	255.00	2,602.0	-157.1	-586.5	607.2	0.00	0.00	0.00
2,800.0	19.51	255.00	2,696.2	-165.7	-618.7	640.6	0.00	0.00	0.00
2,900.0	19.51	255.00	2,790.5	-174.4	-651.0	674.0	0.00	0.00	0.00
3,000.0	19.51	255.00	2,884.8	-183.0	-683.3	707.3	0.00	0.00	0.00
3,100.0	19.51	255.00	2,979.0	-191.7	-715.5	740.7	0.00	0.00	0.00
3,200.0	19.51	255.00	3,073.3	-200.3	-747.8	774.1	0.00	0.00	0.00
3,300.0	19.51	255.00	3,167.5	-209.0	-780.0	807.5	0.00	0.00	0.00
3,400.0	19.51	255.00	3,261.8	-217.6	-812.3	840.9	0.00	0.00	0.00
3,506.5	19.51	255.00	3,362.2	-226.8	-846.7	876.5	0.00	0.00	0.00
3,600.0	16.70	255.00	3,451.0	-234.3	-874.7	905.6	3.00	-3.00	0.00
3,700.0	13.70	255.00	3,547.5	-241.1	-900.1	931.8	3.00	-3.00	0.00
3,800.0	10.70	255.00	3,645.2	-246.6	-920.5	952.9	3.00	-3.00	0.00
3,900.0	7.70	255.00	3,743.9	-250.7	-935.9	968.9	3.00	-3.00	0.00
3,968.5	5.65	255.00	3,812.0	-252.8	-943.6	976.9	3.00	-3.00	0.00
Wasatch Tongue									
4,000.0	4.70	255.00	3,843.4	-253.5	-946.4	979.7	3.00	-3.00	0.00
4,100.0	1.70	255.00	3,943.2	-255.0	-951.8	985.3	3.00	-3.00	0.00
4,156.8	0.00	0.00	4,000.0	-255.2	-952.6	986.2	3.00	-3.00	0.00
RBU 6-22F -- Requested BHL									
4,200.0	0.00	0.00	4,043.2	-255.2	-952.6	986.2	0.00	0.00	0.00
9 5/8"									
4,300.0	0.00	0.00	4,143.2	-255.2	-952.6	986.2	0.00	0.00	0.00
4,314.8	0.00	0.00	4,158.0	-255.2	-952.6	986.2	0.00	0.00	0.00

Database:	EDM 2003.14 Single User Db	**Local Co-ordinate Reference:**	Well RBU 6-22F
Company:	XTO Energy	**TVD Reference:**	Frontier Rig #6 @ 4927.0ft (Original Well Elev)
Project:	Natural Buttes Wells(NAD83)	**MD Reference:**	Frontier Rig #6 @ 4927.0ft (Original Well Elev)
Site:	RBU 6-22F	**North Reference:**	True
Well:	RBU 6-22F	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	RBU 6-22F		
Design:	Permitted Wellbore		

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)
Green River Tongue									
4,400.0	0.00	0.00	4,243.2	-255.2	-952.6	986.2	0.00	0.00	0.00
4,455.8	0.00	0.00	4,299.0	-255.2	-952.6	986.2	0.00	0.00	0.00
Wasatch									
4,500.0	0.00	0.00	4,343.2	-255.2	-952.6	986.2	0.00	0.00	0.00
4,600.0	0.00	0.00	4,443.2	-255.2	-952.6	986.2	0.00	0.00	0.00
4,700.0	0.00	0.00	4,543.2	-255.2	-952.6	986.2	0.00	0.00	0.00
4,800.0	0.00	0.00	4,643.2	-255.2	-952.6	986.2	0.00	0.00	0.00
4,900.0	0.00	0.00	4,743.2	-255.2	-952.6	986.2	0.00	0.00	0.00
5,000.0	0.00	0.00	4,843.2	-255.2	-952.6	986.2	0.00	0.00	0.00
5,100.0	0.00	0.00	4,943.2	-255.2	-952.6	986.2	0.00	0.00	0.00
5,104.8	0.00	0.00	4,948.0	-255.2	-952.6	986.2	0.00	0.00	0.00
Chapita Wells									
5,200.0	0.00	0.00	5,043.2	-255.2	-952.6	986.2	0.00	0.00	0.00
5,300.0	0.00	0.00	5,143.2	-255.2	-952.6	986.2	0.00	0.00	0.00
5,400.0	0.00	0.00	5,243.2	-255.2	-952.6	986.2	0.00	0.00	0.00
5,500.0	0.00	0.00	5,343.2	-255.2	-952.6	986.2	0.00	0.00	0.00
5,600.0	0.00	0.00	5,443.2	-255.2	-952.6	986.2	0.00	0.00	0.00
5,700.0	0.00	0.00	5,543.2	-255.2	-952.6	986.2	0.00	0.00	0.00
5,800.0	0.00	0.00	5,643.2	-255.2	-952.6	986.2	0.00	0.00	0.00
5,900.0	0.00	0.00	5,743.2	-255.2	-952.6	986.2	0.00	0.00	0.00
6,000.0	0.00	0.00	5,843.2	-255.2	-952.6	986.2	0.00	0.00	0.00
6,100.0	0.00	0.00	5,943.2	-255.2	-952.6	986.2	0.00	0.00	0.00
6,200.0	0.00	0.00	6,043.2	-255.2	-952.6	986.2	0.00	0.00	0.00
6,300.0	0.00	0.00	6,143.2	-255.2	-952.6	986.2	0.00	0.00	0.00
6,400.0	0.00	0.00	6,243.2	-255.2	-952.6	986.2	0.00	0.00	0.00
6,484.8	0.00	0.00	6,328.0	-255.2	-952.6	986.2	0.00	0.00	0.00
Uteland Buttes									
6,500.0	0.00	0.00	6,343.2	-255.2	-952.6	986.2	0.00	0.00	0.00
6,600.0	0.00	0.00	6,443.2	-255.2	-952.6	986.2	0.00	0.00	0.00
6,700.0	0.00	0.00	6,543.2	-255.2	-952.6	986.2	0.00	0.00	0.00
6,800.0	0.00	0.00	6,643.2	-255.2	-952.6	986.2	0.00	0.00	0.00
6,900.0	0.00	0.00	6,743.2	-255.2	-952.6	986.2	0.00	0.00	0.00
7,000.0	0.00	0.00	6,843.2	-255.2	-952.6	986.2	0.00	0.00	0.00
7,100.0	0.00	0.00	6,943.2	-255.2	-952.6	986.2	0.00	0.00	0.00
7,200.0	0.00	0.00	7,043.2	-255.2	-952.6	986.2	0.00	0.00	0.00
7,274.8	0.00	0.00	7,118.0	-255.2	-952.6	986.2	0.00	0.00	0.00
Mesaverde									
7,300.0	0.00	0.00	7,143.2	-255.2	-952.6	986.2	0.00	0.00	0.00
7,400.0	0.00	0.00	7,243.2	-255.2	-952.6	986.2	0.00	0.00	0.00
7,500.0	0.00	0.00	7,343.2	-255.2	-952.6	986.2	0.00	0.00	0.00
7,600.0	0.00	0.00	7,443.2	-255.2	-952.6	986.2	0.00	0.00	0.00
7,700.0	0.00	0.00	7,543.2	-255.2	-952.6	986.2	0.00	0.00	0.00
7,800.0	0.00	0.00	7,643.2	-255.2	-952.6	986.2	0.00	0.00	0.00
7,900.0	0.00	0.00	7,743.2	-255.2	-952.6	986.2	0.00	0.00	0.00
8,000.0	0.00	0.00	7,843.2	-255.2	-952.6	986.2	0.00	0.00	0.00
8,100.0	0.00	0.00	7,943.2	-255.2	-952.6	986.2	0.00	0.00	0.00
8,200.0	0.00	0.00	8,043.2	-255.2	-952.6	986.2	0.00	0.00	0.00
8,275.0	0.00	0.00	8,118.2	-255.2	-952.6	986.2	0.00	0.00	0.00
5 1/2"									
8,276.8	0.00	0.00	8,120.0	-255.2	-952.6	986.2	0.00	0.00	0.00

Database:	EDM 2003.14 Single User Db	**Local Co-ordinate Reference:**	Well RBU 6-22F
Company:	XTO Energy	**TVD Reference:**	Frontier Rig #6 @ 4927.0ft (Original Well Elev)
Project:	Natural Buttes Wells(NAD83)	**MD Reference:**	Frontier Rig #6 @ 4927.0ft (Original Well Elev)
Site:	RBU 6-22F	**North Reference:**	True
Well:	RBU 6-22F	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	RBU 6-22F		
Design:	Permitted Wellbore		

Targets

Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
RBU 6-22F – Requestec - plan hits target - Point	0.00	0.00	4,000.0	-255.2	-952.6	3,141,240.09	2,158,107.26	39° 56' 6.398 N	109° 39' 15.084 W

Casing Points

Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (")	Hole Diameter (")
500.0	500.0	13 3/8"	13-3/8	17-1/2
4,200.0	4,043.2	9 5/8"	9-5/8	12-1/4
8,275.0	8,118.2	5 1/2"	5-1/2	7-7/8

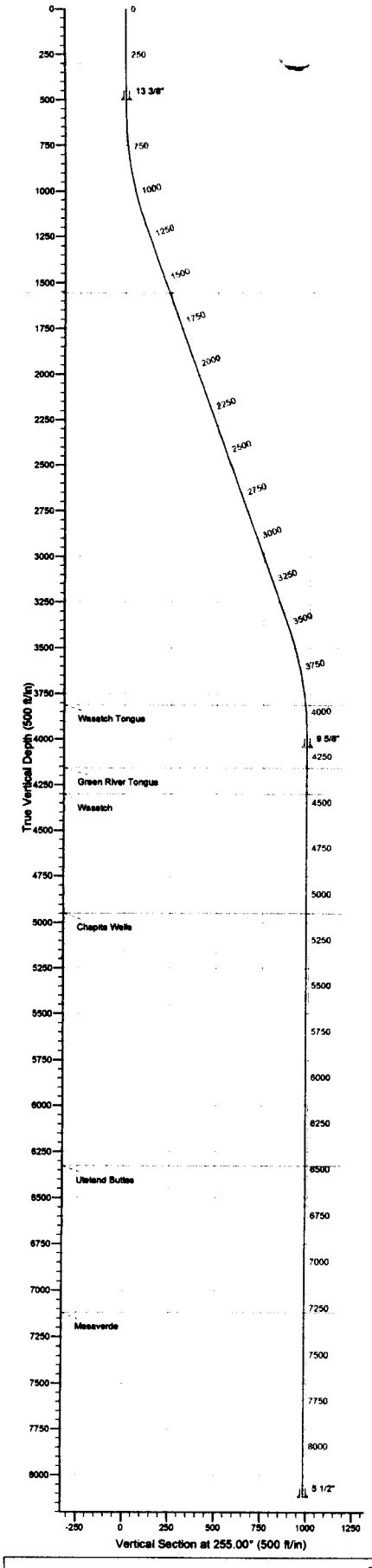
Formations

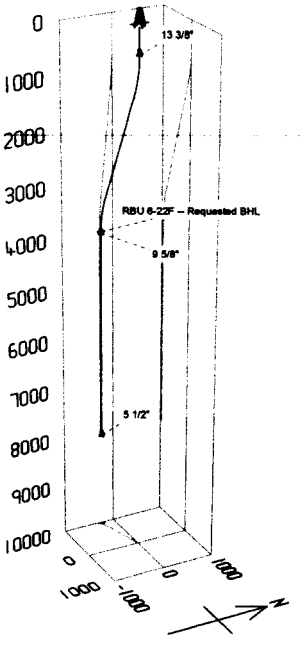
Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)
3,968.5	3,812.0	Wasatch Tongue		0.00	
4,314.8	4,158.0	Green River Tongue		0.00	
4,455.8	4,299.0	Wasatch		0.00	
5,104.8	4,948.0	Chapita Wells		0.00	
6,484.8	6,328.0	Uteland Buttes		0.00	
7,274.8	7,118.0	Mesaverde		0.00	

WELL DETAILS: RBU 6-22F

Ground Level: 4913.0
-1596.0 FNL
-2489.0 FEL

XTO ENERGY





Project: Natural Buttes Wells(NAD83)
Site: RBU 6-22F
Well: RBU 6-22F
Wellbore: RBU 6-22F
Permitted Wellbore

FORMATION TOP DETAILS

TVDPath	MDPath	Formation
3812.0	3968.5	Wasatch Tongue
4158.0	4314.8	Green River Tongue
4299.0	4455.8	Wasatch
4948.0	5104.8	Chapita Wells
6328.0	6484.8	Uteland Buttes
7118.0	7274.8	Mesaverde

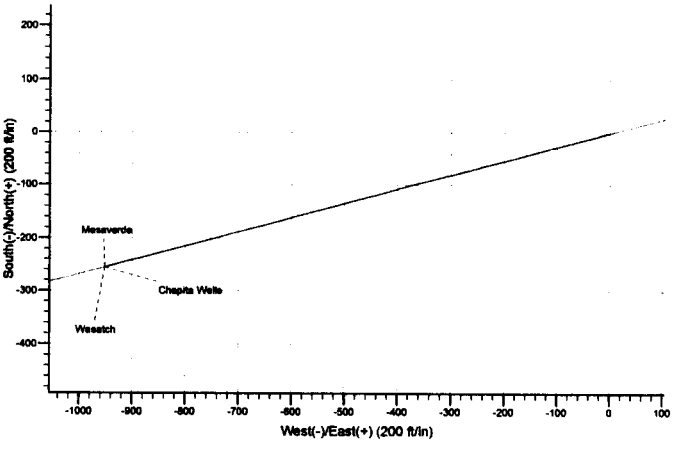
CASING DETAILS

TVD	MD	Name	Size
500.0	500.0	13 3/8"	13-3/8
4043.2	4200.0	9 5/8"	9-5/8
8118.2	8275.0	5 1/2"	5-1/2

PROJECT DETAILS: Natural Buttes Wells(NAD83)

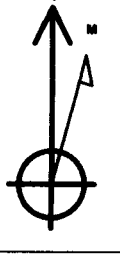
Geodetic System: US State Plane 1983
Datum: North American Datum 1983
Ellipsoid: GRS 1980
Zone: Utah Northern Zone

System Datum: Mean Sea Level



SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	560.0	0.00	0.00	560.0	0.0	0.0	0.00	0.00	0.0	
3	1210.3	19.51	255.00	1197.8	-28.4	-105.9	3.00	255.00	109.7	
4	3506.5	19.51	255.00	3362.2	-226.8	-846.7	0.00	0.00	876.5	
5	4156.8	0.00	0.00	4000.0	-255.2	-952.6	3.00	180.00	986.2	RBU 6-22F – Requested BHL
6	8276.8	0.00	0.00	8120.0	-255.2	-952.6	0.00	0.00	986.2	



Azimuths to True North
Magnetic North: 11.59°

Magnetic Field
Strength: 52681.3nT
Dip Angle: 65.89°
Date: 10/8/2007
Model: IGRF200510

BOP Equipment

3000psi WP

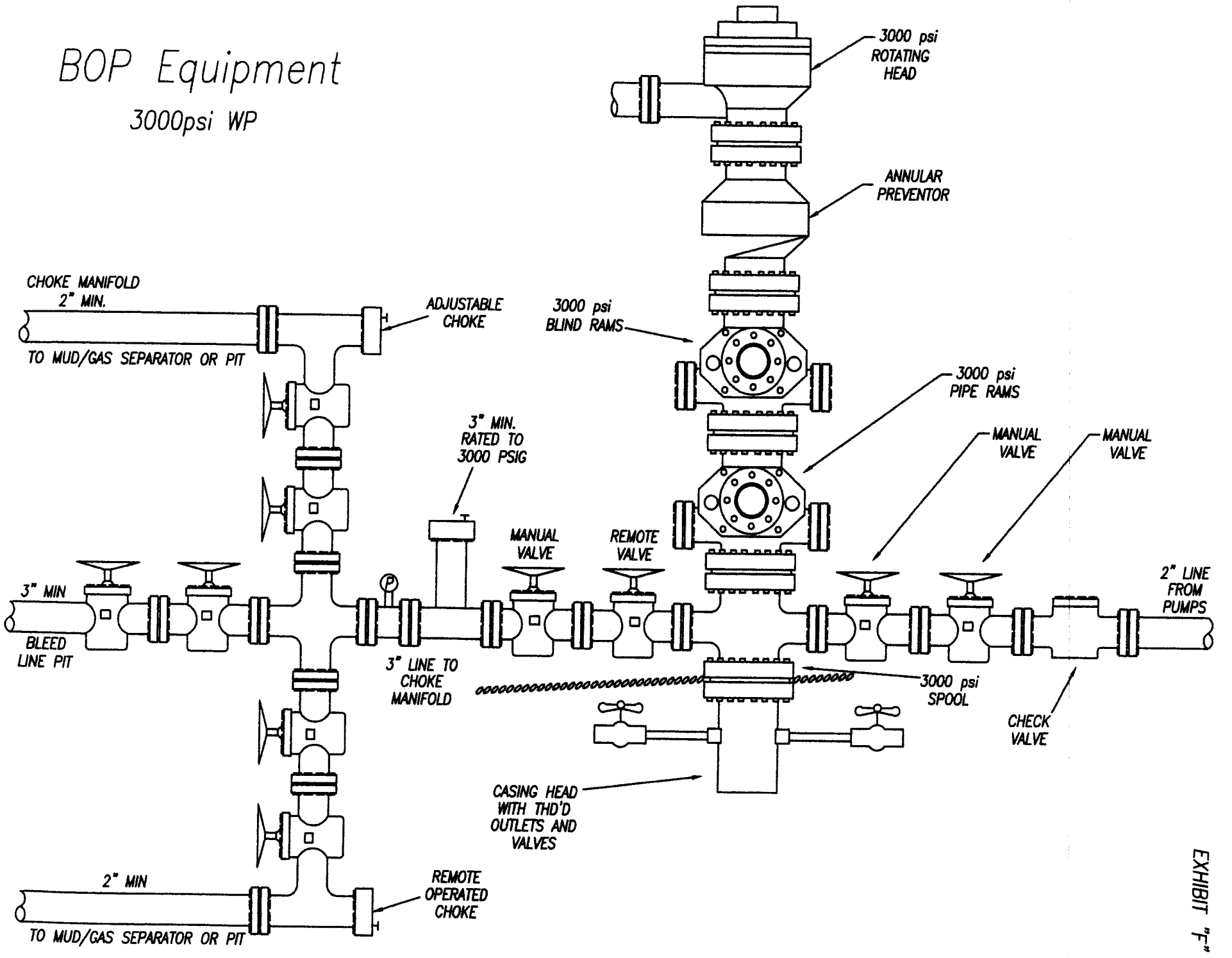
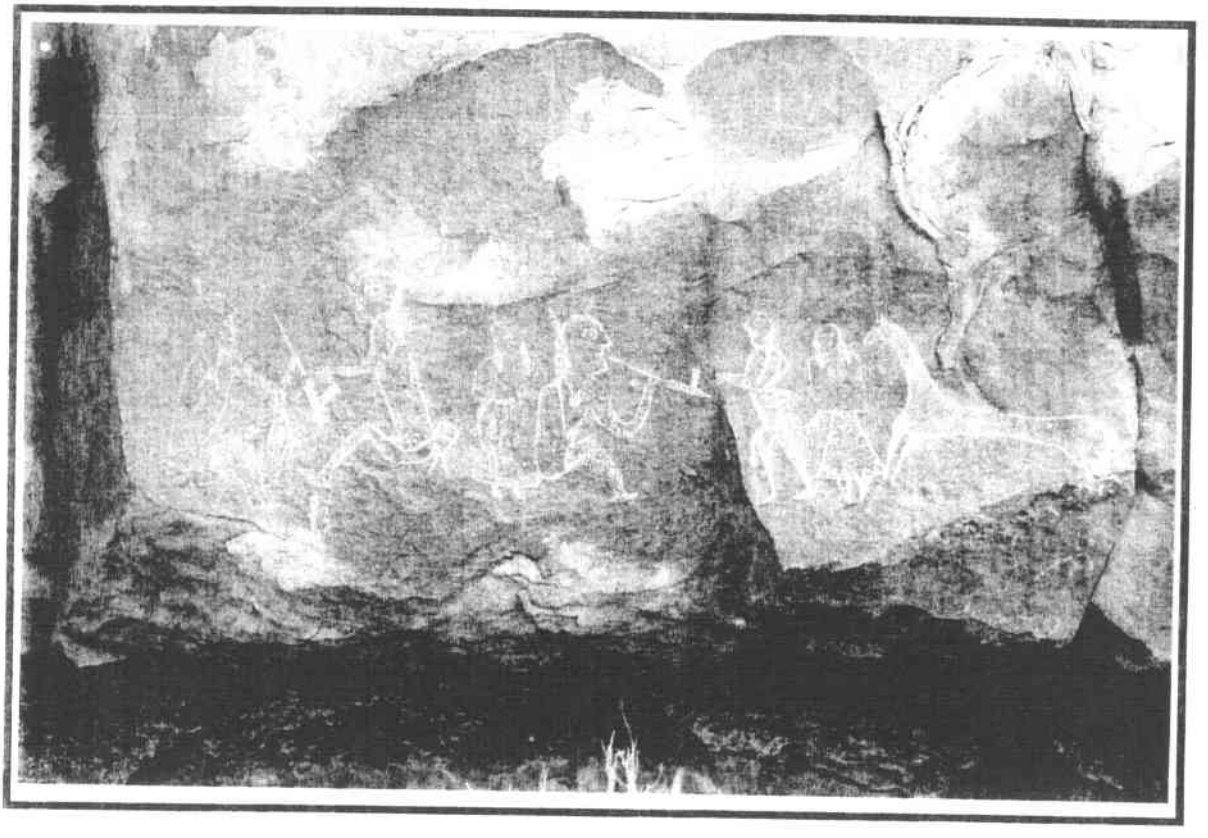


EXHIBIT "F"

Dominion Exploration & Production, Inc. River Bend Unit #6-22F: A Cultural Resource Inventory for a well its access and pipeline, Uintah County, Utah.



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

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

Utah Project # U-04-AY-0980(i)

March 20, 2007

Dominion Exploration & Production, Inc. River Bend Unit #6-22F: A Cultural Resource Inventory for a well its access and pipeline, Uintah County, Utah.

By
James A. Truesdale

James A. Truesdale
Principal Investigator

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

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

Utah Project # U-04-AY-0980(i)

March 20, 2007

Dominion Exploration & Production, Inc. River Bend Unit #6-22F: A Cultural Resource Inventory for a well its access and pipeline, Uintah County, Utah.

By
James A. Truesdale

James A. Truesdale
Principal Investigator

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

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

Utah Project # U-04-AY-0980(i)

March 20, 2007

Table of Contents

List of Figures

List of Tables

Introduction

An Independent Archaeologist (AIA) was contacted by a representative of Dominion Exploration & Production, Inc., to conduct a cultural resources investigation of the proposed River Bend Unit #6-22F well, its access and pipeline. The location of the project area is the SW/NE 1/4 of Section 22, T10S, R20E Uintah County, Utah (Figure 1).

The proposed RBU #6-22F well will be directionally drilled from the existing RBU #6-22F well pad. The proposed well's centerstake footage (Alternate #1) is 1598' FNL, 2489' FEL. The proposed well's centerstake Universal Transverse Mercator (UTM) centroid coordinate is Zone 12, North American Datum (NAD) 83, 06/15/277.01 mE 44/21/506.49 mN $\pm$ 5m.

As mentioned above, the proposed RBU #6-22F well will be directionally drilled from the existing RBU #6-22F well pad. Therefore, the RBU #5-22F well's proposed access and pipeline is the road and pipeline associated with the existing RBU #7-22F well pad.

The land is administered by the United States (US), Bureau of Indian Affairs (BIA), Phoenix Area Office, Uintah-Ouray Agency and the Uintah-Ouray Ute Tribe, Fort Duchense, Utah. A total of 10 acres (10 block, 0 linear) was surveyed. The fieldwork was conducted on June 2, 2006 by AIA archaeologists James Truesdale and Cody Newton. No technicians from the Ute Tribe, Energy and Minerals Department were available to accompany AIA during the field survey and inventory. All the field notes and maps are located in the AIA office in Laramie, Wyoming.

File Search

A file search was conducted by the Office of the Utah Division of State History (UDSH), Antiquities Section, Records Division on September 14, 2004. An additional file search was conducted at the Vernal BLM office in September of 2004 by the authors. An update of AIA's USGS 7.5'/1968 (photorevised 1987) Big Pack Mountain NW quadrangle map from the UDSH's Big Pack Mountain NW quadrangle base map occurred on November 8, 2003 and again on February 3, 2004. No projects and/or cultural materials (sites, isolates) have been previously recorded in the immediate project area.

However, after review of AIAQ records and maps eight previous projects (U-03-AY-201, U-03-AY-240, U-04-AY-897, U-04-AY-898, U-04-AY-979, U-04-AY-981, U-04-AY-982 and U-05-AY-536) have been conducted in Section 22 of T10S R20E. In addition, two sites (42UN3218 and 42UN3219) had been previously recorded in Section 22

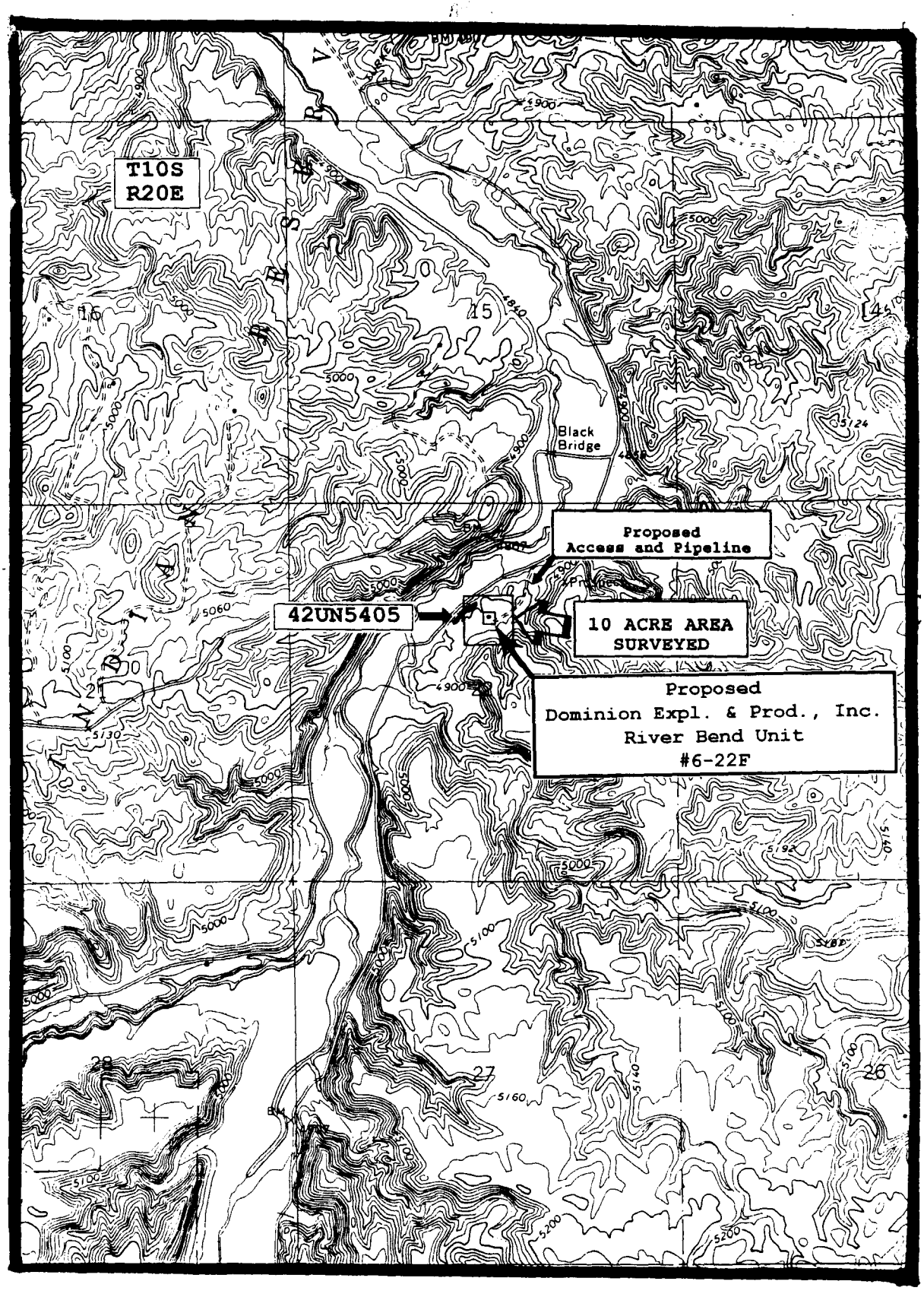


Figure 1. Location of the Dominion Exploration and Production, Inc.'s proposed River Bend Unit (RBU) #6-22F well, its access, pipeline and site 42UN5405 on 7.5'/1068 USGS quadrangle map, Big Pack Mountain NW, Uintah County, Utah.

of T10S R20E (Truesdale 2003). Site 42UN3218 and 42UN3219 were recorded by AIA during a survey for the Dominion Exploration and Production, Inc.'s proposed RBU #15-22F well pad (Truesdale 2003).

Site 42UN3218 is a rock art site. The rock art consists of a single panel with a single pecked zoomorphic (horse) figure. The site is considered to embody a distinctive characteristic associated with the Early Reservation Ute (1861-1910), specifically the Uncomphagre Ute band that occupied the Ouray, Utah area. Thus 42UN3218 is considered to be eligible for nomination and inclusion to the National Register of Historic Places (NRHP).

Site 42UN3219 is a rock art site. The site consists of two rock art panels that are located on a east facing back wall of a small rock shelter, and on a detached sandstone boulder. The site is across a small ephemeral drainage wash from 42UN3218. The site contains a panel with three pecked zoomorphic (horse) figures and a panel with a representation of the Ouray Agency's Hill Creek Boarding School house. The site is considered to contain figures that embody a distinctive characteristic associated with the Early Reservation Ute (1861-1910), specifically the Uncomphagre Ute that occupied the Ouray, Utah area.

Site 42UN3218 and 42UN3219 are located over ½ mile south of the present project area. No additional projects and or cultural materials (sites, isolates) have bee recorded in the project area (section 22, T10S R20E).

Environment

Physiographically, the project is located in the River Bend Unit in the Uinta Basin, 11 miles south and east of Ouray, Utah. The Uinta Basin is structurally the lowest part of the Colorado Plateau geographical province (Thornbury 1965:425). The Uinta Basin is a large, relatively flat, bowl shaped, east-west asymmetrical syncline near the base of the Uinta Mountains. The topography is characteristic of sloping surfaces that incline northward and are mainly dip slopes on the harder layers of Green River and Uinta Formations (Stokes 1986).

A thick section of more than 9000 feet (2743.9 m) of early Tertiary rocks are exposed (Childs 1950). These rocks are mainly Paleocene and Eocene in age and consist of sandstone, clay and shale lacustrine, fluviatile, and deltaic continental deposits, most famous of which are the lacustrine Green River Beds.

The immediate project area is situated in the Willow Creek Canyon. The area is characterized as having steep ridges and/or buttes of thick Uinta Formation sandstone, with layers of clays and shales. The upland hills, ridges and buttes above the Willow

Creek Canyon are dissected by several steep ephemeral drainage washes with wide flat alluvial plains. Portions of the desert hardpan and bedrock are covered with various sizes of residual angular to tabular pieces of eroding sandstone, clay and shale. Many of the higher hills and ridges exhibit ancient terrace (pediment) surfaces containing pebble and cobble gravel. Some of these pebbles and cobbles exhibit a dark brown to black desert varnish (patination). In addition, many of the hills and ridge slopes are covered with aeolian sand that may reach a depth of 100 to 150 cm.

Vegetation in the River Bend Unit area is characteristic of a low sagebrush community with shadscale and greasewood. Species observed in the project area include; big sagebrush (Artemesia tridentata), shadscale (Atriplex confertifolia), saltbush (Atriplex nuttallii), rabbitbrush (Chrysothamnus viscidiflorus), winterfat (Eurotia lanata), greasewood (Sarcobatus baileyi), wild buckwheat, Erigonum ovvalifolium), desert trumpet (Erigonum inflatum), Indian rice grass (Oryzopsis hymenoides), western wheatgrass (Agropyron smithii), spiked wheatgrass (Agropyron sp.), crested wheatgrass (Agropyron cristatum), June grass (Koeleria cristata), cheat grass (Bromus tectorum), desert globemallow (Bromus tectorum), lupine (Lupinus sp.), larkspur (Delphinium sp.), Indian paintbrush (Castilleja chromosa), peppergrass (Lepidium perfoliatum), scalloped phacelia (Phacelia intergrifolian), birdscage evening primrose (Oenothera deltoides), Russian thistle (Salsola kali), Russian knapweed (Centaurea repens), and prickly pear cactus (Opuntia sp.). In addition, a riparian community dominated by cottonwood (Populas sp.), willow (Salix sp.), and salt cedar (tamerix) can be found along Willow Creek located approximately 1 mile west.

River Bend Unit #6-22F

The proposed RBU #6-22F well will be directionally drilled from the existing RBU #7-22F well pad. The proposed RBU #6-22F well is located 18.86 feet (5.75 m) west and 10.82 feet (3.3 m) south of the existing RBU #7-22F well head.

The proposed RBU #6-22F well pad is situated on the top of a terrace/bench located along the eastern slope of the steep Willow Creek Canyon (Figure 2). The sediments on the well location have been disturbed by the construction of the existing RBU #7-22F well, its access and pipeline. The RBU #7-22F well was constructed in the 1970's. Undisturbed sediments surrounding the existing RBU #7-22F well pad and the proposed RBU #6-22F well are scarce and mainly colluvial in nature. These colluvial deposits consist of shallow ($\leq$ 15 cm), tan to brown, poorly sorted, moderately compacted, sandy clay loam, mixed with tiny to small angular pieces of sandstone, clay and shale. Vegetation consists of low sagebrush, saltbush, rabbitbrush, halogetin, buckwheat,

greasewood, bunchgrasses (wheatgrass, cheat grass, Indian rice-grass), barrel and prickly pear cactus. The proposed well location is 4913.44 feet (1498 m) AMSL.

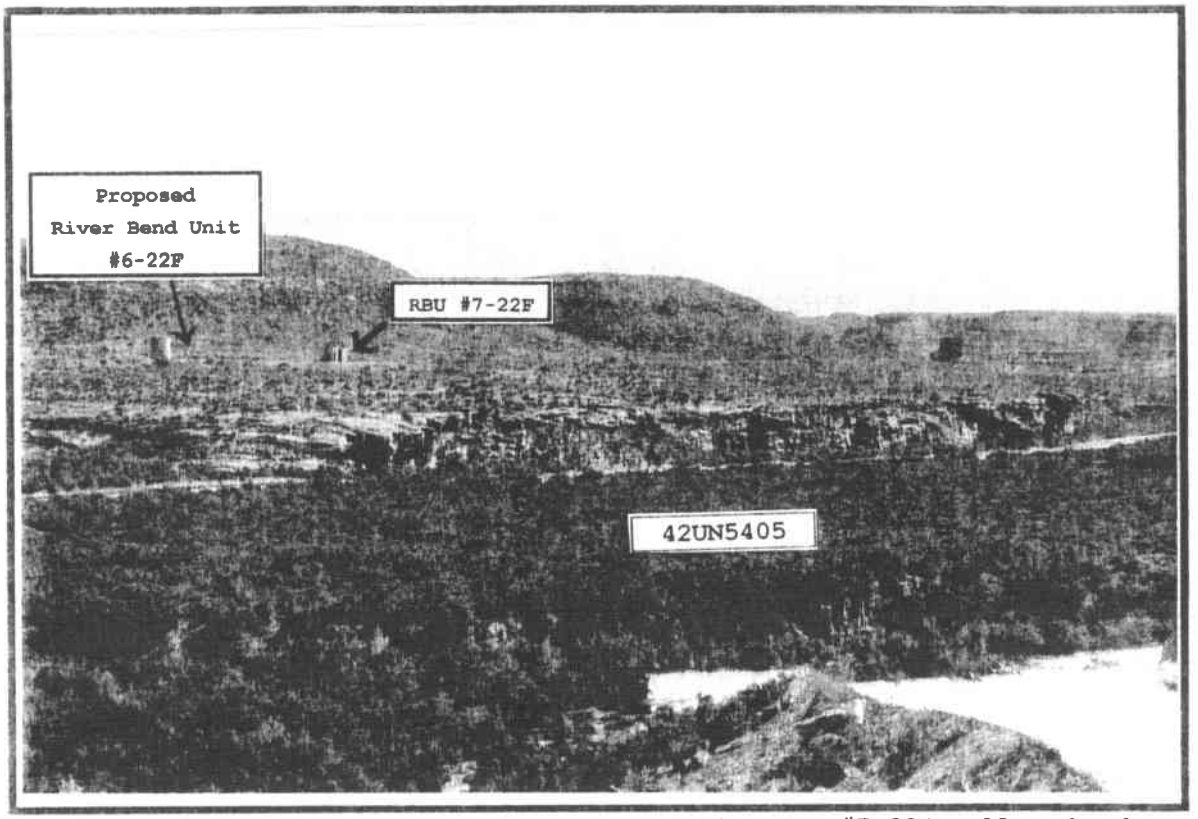


Figure 2. View to southeast at the existing RBU #7-22F well pad, the proposed RBU #6-22F centerstake, and site 42UN5405.

From the main Willow Creek Canyon access road, the existing RBU #7-22F well's access and pipeline trend south 1000 feet (304.8 m) up the west side of a small ephemeral drainage (draw) to the top of a terrace/bench and the RBU #7-22F well pad. Sediments along the side of the road and pipeline have been disturbed due to road construction and cyclic maintenance. Undisturbed sediments along the access and pipeline consist of a shallow (<5 cm), poorly to poorly sorted, moderately compacted sandy clay loam. Vegetation along the access and pipeline is sparse and consists of low sagebrush, greasewood, rabbitbrush, saltbush, Russian thistle, bunchgrasses (wheatgrass, cheat grass, Indian rice-grass), and prickly pear cactus.

Field Methods

A total of 10 acres was surveyed around the centerstake of the proposed well location to allow for relocation of the pad if necessary. As mentioned earlier the proposed RBU #6-22F well will be directionally drilled from the RBU #7-22F well pad. Therefore

the RBU #6-22F well's proposed access and pipeline is the existing access road and pipeline associated with the RBU #7-22F well pad. Thus, 0 linear acres was surveyed.

Geologic landforms (rock shelters, alcoves, ridge tops and saddles) and areas of subsurface exposure (ant hills, blowouts, rodent holes and burrow, eroding slopes and cut banks) were examined with special care in order to locate cultural resources (sites, isolates) and possibly help assess a site's sedimentary integrity and potential for the presence and/or absence of buried intact cultural deposits. All exposures of sandstone cliff faces, alcoves or rock shelters, and talus slopes were surveyed.

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

When sites are found an Intermountain Antiquities Computer System (IMACS) form was used to record the site. At all sites, selected topographic features, site boundaries, stone tools and cultural features (hearths, foundations, trash dumps and trails) are mapped. Sites were mapped with a Brunton compass, Trimble Geophysical 3 and/or Garmin E-Trex GPS units, and pacing off distances from a mapping station (datum, PVC with aluminum tag). All debitage is inventoried using standard recording techniques (Truesdale et al 1995:7) according to material type, basic flake type, and so on. Selected (mostly complete) stone tools and projectile points are drawn and measured. All features (rockart panel(s), hearths, foundations, trash dumps and trails) are measured and described, while selected features are either drawn or photographed.

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

Results

A total of 10 (10 block, 0 linear) acres were surveyed for cultural resources by AIA within and around the proposed Dominion Exploration & Production, Inc. River Bend Unit #6-22F well, and

along its access and pipeline. As mentioned earlier, the proposed RBU #6-22F well will be directionally drilled from the existing RBU #7-22F well pad. One site (42UN5405) was recorded. The site is a large rock art site and is considered to be eligible for nomination and inclusion to the NRHP.

A moderate scatter of modern trash (plastic bottles, sanitary food cans, miscellaneous metal, wire, green, brown and clear glass bottles and bottle fragments, foam insulation, etc.) can be found on and surrounding the existing well pads and along the existing oil and gas field service roads in the River Bend Unit area.

No additional cultural resources (sites, isolates) were recorded during the survey for the proposed RBU #14-11F well, its access and pipeline.

Site: 42UN5405
Location: NE/NE/SW/NW ¼ Section 22, T10S R20E (Figure 1)
UTM Coordinate: Zone 12, NAD 83, 6/15/059.01mE 44/21/420.42mN±
6/15/294.43mE 44/21/653.68mN

Setting: Site 42UN5405 is located along the eastern rock face of a long sandstone ledge/bluff in the Willow Creek Canyon (Figure 2). The site is located adjacent immediately adjacent to the Willow Creek Canyon access road. Sediments at the base of the sandstone cliff face are a mixture of Aeolian/fluvial and colluvial materials. The Willow Creek Canyon floodplain and over bank alluvial deposits may reach a depth of over 3 to 4 meters. Along the sides of the canyon the alluvial deposits are mixed with colluvial materials. In addition, recent road construction, use, and cyclic maintenance have created a modern layer of aeolian sand and silt overlying the surface of the ground, and covering the sandstone cliff face. Vegetation is dominated by greasewood, with low sagebrush, bunchgrasses, saltbush, buckwheat and prickly pear cactus located on the top of the sandstone bluff. The elevation is 4854.4 feet (1480 m) AMSL.

Description: Site 42UN5405 is a large rock art site. The site contains eight (n=8) panels that stretch along 163 m of a southwest to northeast trending sandstone bluff that is situated along the Willow Creek Canyon road. The site measures 163 m (SW-NE) by 10 m (SE-NW), 1630 sq m (Figure 3).

Panel 1 measures 245.71 cm length, 92.85 cm in height, and faces 303 degrees northwest (Figures 4 and 5). Panel 1 is approximately 131 cm from the ground surface. Panel 1 contains three zoomporphic (horse head) figures, two geometric designs, a landscape of several structures (school house), and the name of 'David Jenkins', and the town of 'Lapoint Utah'. However, the structure may represent the Ouray Agency's Hill creek Boarding School (circa 1885-1910). Several rock art sites in the area

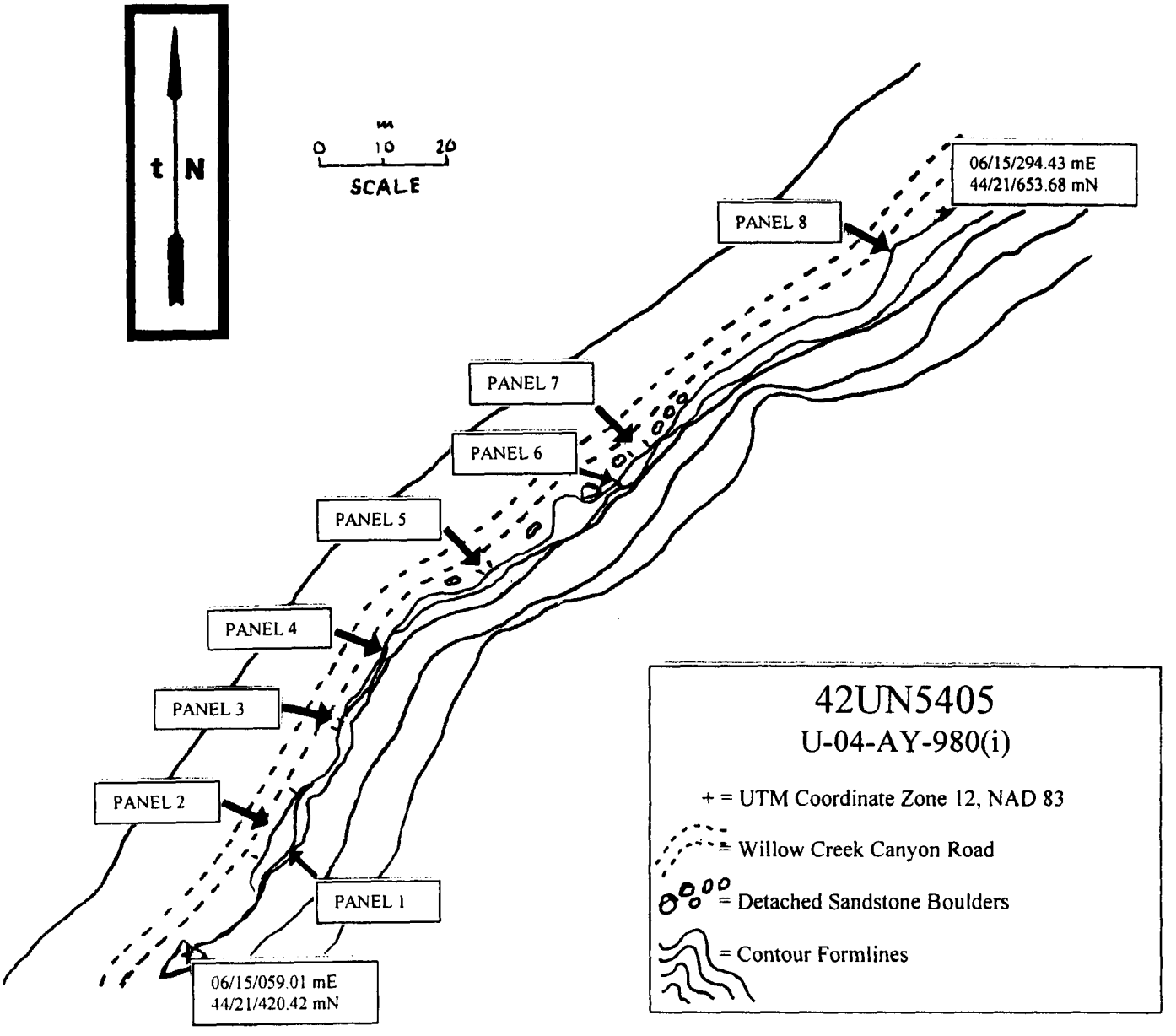


Figure 3. Site 42UN5405 sketch map.

Composite photo
View to east of Panel 1 at 42UN5405

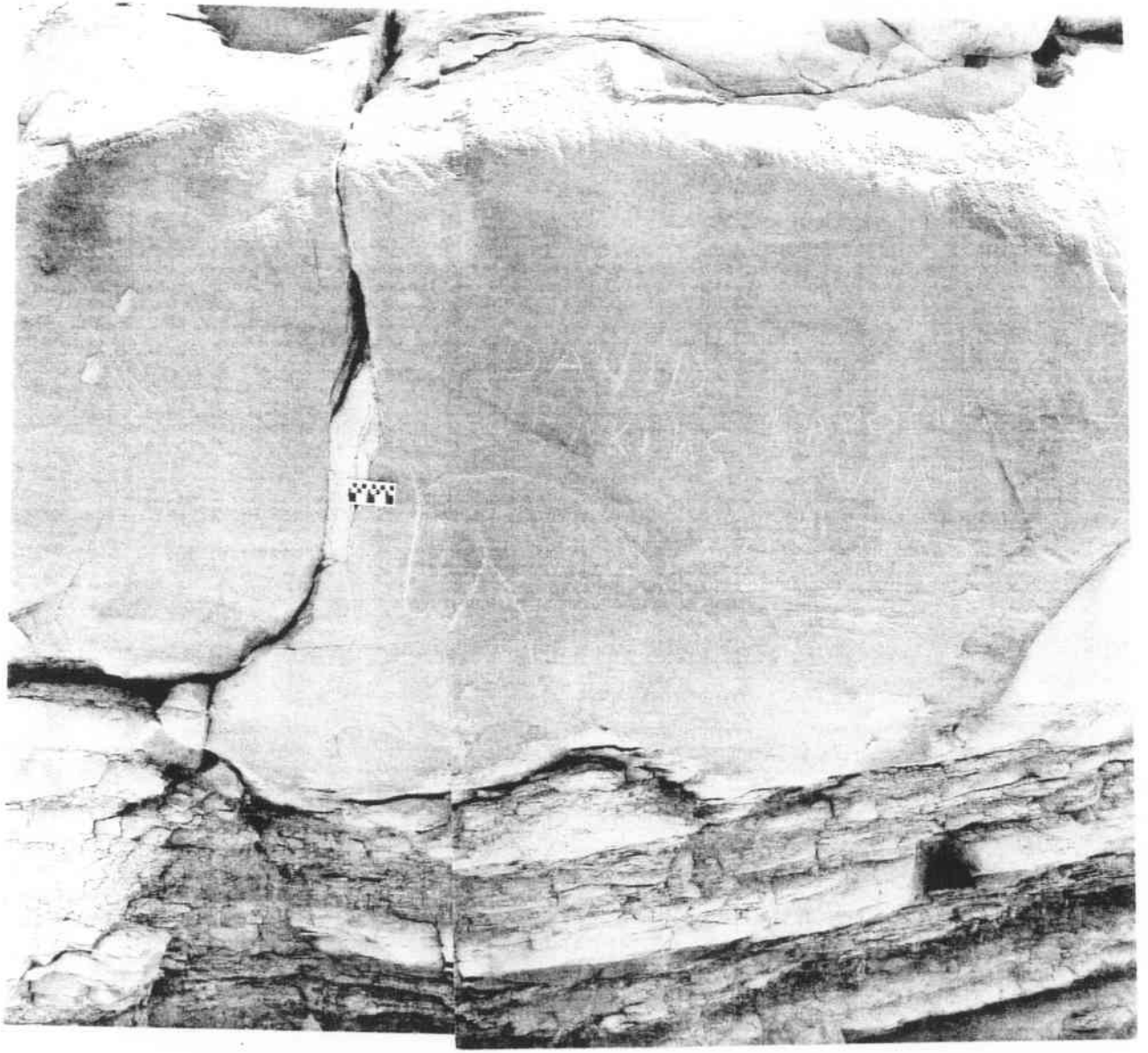


Figure 4. Composite photo of view to east, of Panel 1 at 42UN5405.

Figure 5. To scale drawing of Panel 1 at 42UN5405.

depict the boarding school (Truesdale 2003). The figures have been constructed by initially scratching the design, followed by outline pecking into a light brown patination (desert varnish). The age of Panel 1 is considered to be modern (circa 1950 to present). Other than the modern cultural designs and names, Panel 1 does not exhibit any cultural destruction (ie. bullet holes). However, the panel is covered in a thin layer of sandy silt (dust) from the daily oil and gas field traffic.

Panel 2 is a large complex panel that measures 941 cm in length, 202 cm in height, and faces 312 degrees northwest (Figure 6). Panel 2 is approximately 101 cm above the ground surface. Panel 2 contains a mural with nine (n=9) anthropomorphic figures, fourteen (n=14) zoomorphic (horse) figures, and one (n=1) geometric (shield) design. The main portion of Panel 2 depicts a scene of six individuals, three sitting and three standing. The figures sitting appear to be male and are associated with the smoking of a ceremonial pipe. The three standing figures appear to represent two females and a male holding a rifle. All of these six anthropomorphs are full body figures wearing what appears to be buckskin clothing and traditional dress. These six anthropomorphs are constructed using a pecked outline, and a light to solid pecked technique. The additional anthropomorphic figures are abstract and outlined pecked, and may have been added to the main mural theme at a later date. The anthropomorphic figures in Panel 2 at 42UN5405 are surrounded by horse figures. These zoomorphic (horse) figures in Panel 2 have been constructed by using outline and solid pecking. Several of the horses exhibit extended or bent legs, ears, tails and brands. One of the horses contains a small saddle. Several of the horses appear to have been solid pecked, stippled or lightly pecked to represent the colors or color variation in the horses.

The age of Panel 2 is considered to be associated with the early Ute Reservation period (circa 1861 to 1910), and specifically the Uncomphagre Ute band that occupied the Ouray, Utah area. The panel does not exhibit any adverse cultural impacts, such as, bullet holes or modern graffiti. However, the panel is covered in a moderate layer of sandy silt (dust) from the daily oil and gas field traffic.

Panel 3 consists of a single zoomorphic (horse) figure (Figure 7). The horse measures 77.3 cm in length, 44.1 cm in height, and faces 311 degrees northwest. The horse is a simple abstract design, using only a few lines and constructed by outline pecking. The age of Panel 3 is considered to be associated with the early Ute Reservation period (circa 1861 to 1910), and specifically the Uncomphagre Ute band that occupied the Ouray, Utah area. The panel does not exhibit any adverse cultural impacts, such as, bullet holes or modern graffiti. However, the panel is covered in a moderate layer of sandy silt (dust) from the

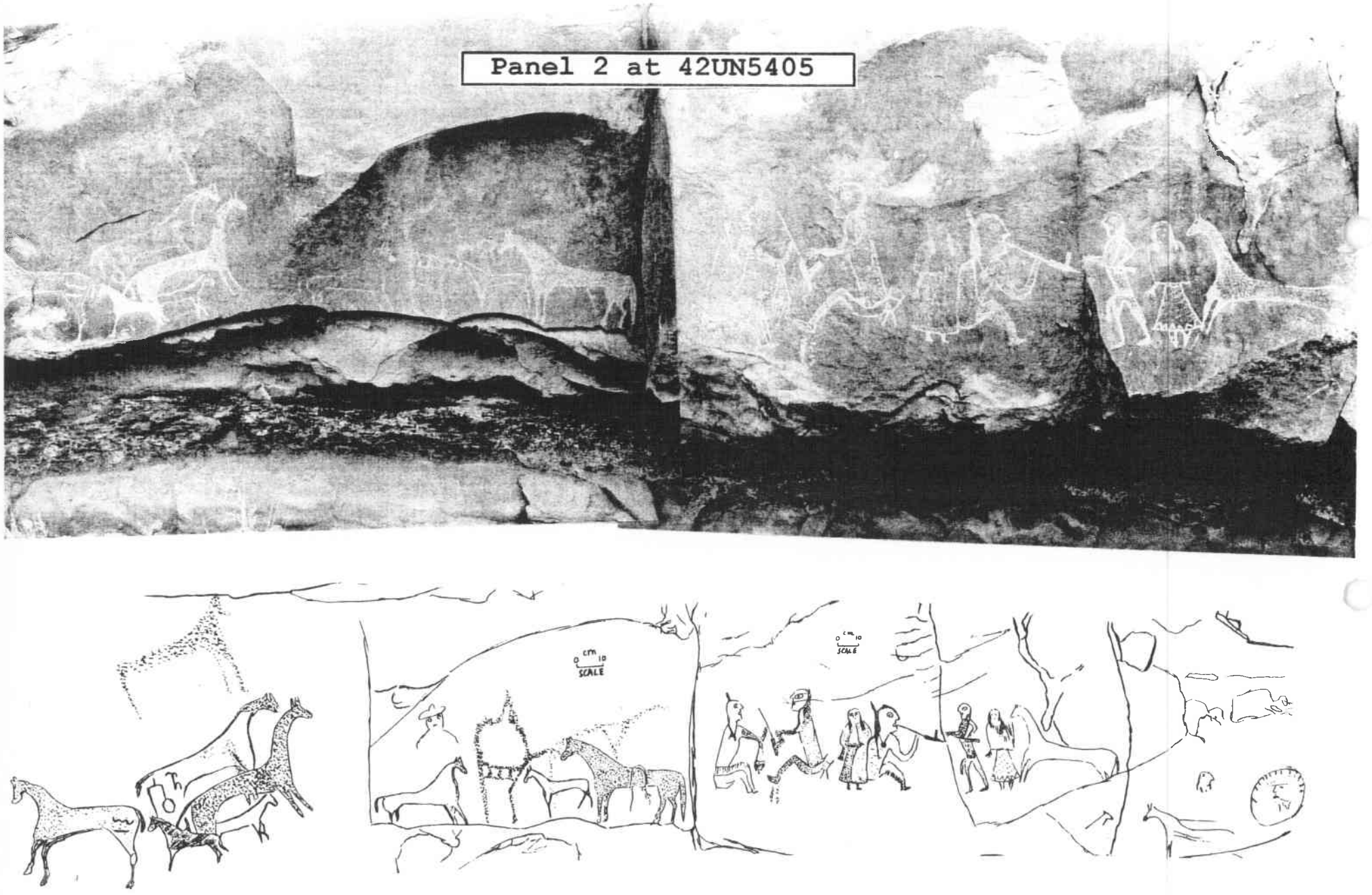


Figure 6. View to east, and to scale drawing of Panel 2 at 42UN5405.

daily oil and gas field traffic.

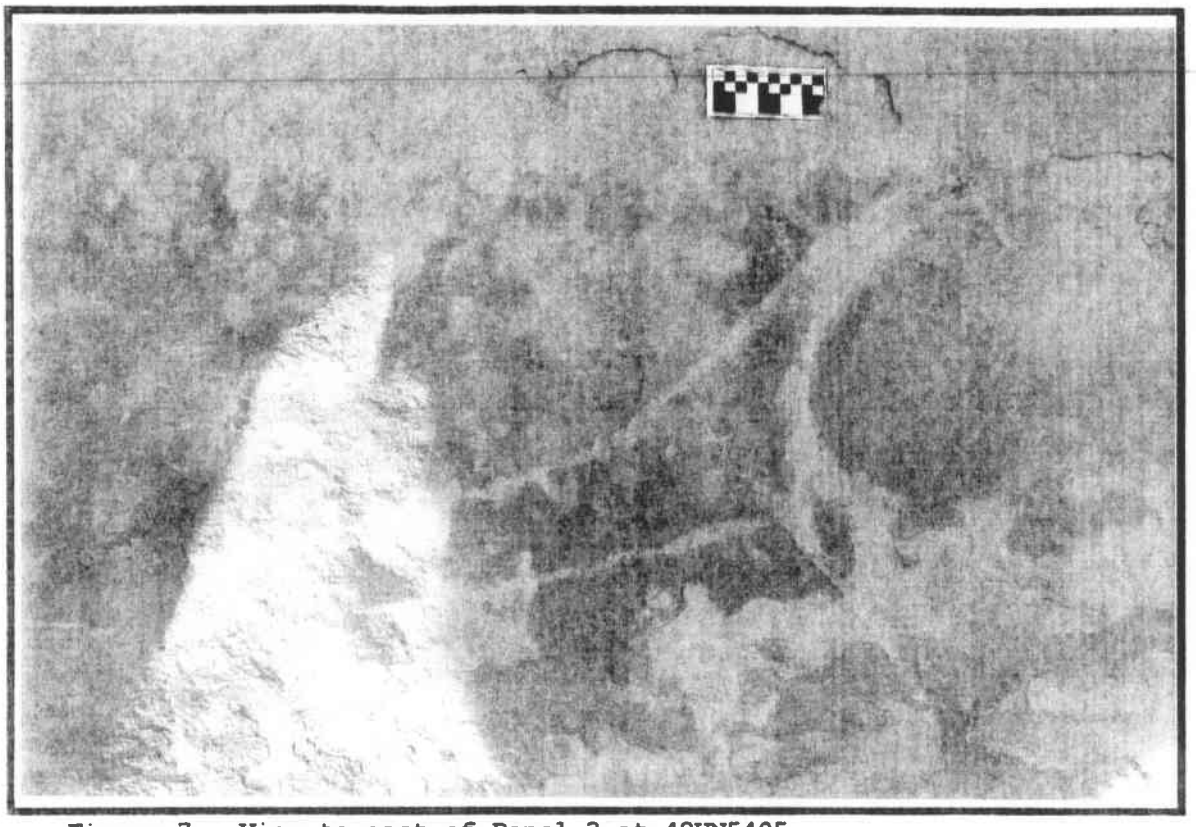


Figure 7. View to east of Panel 3 at 42UN5405.

Panel 4 (Figure 8) consists of a vertical rock face (Panel 4a), and two detached sandstone boulders (Panels 4b and 4c). The detached boulders have fallen from the sandstone cliff face and fit together. The vertical panel (Panel 4a) measures 52 cm in width, 95 cm in height, and faces 32 degrees north northeast. Panel 4a contains three zoomorphic (horse) figures (Figures 9 and 10). Panel 4a consists of two complete horse figures and the head and neck of the third horse. Each of the figures is pecked in outline. Panel 4b is a detached boulder that measures 88 cm in width, 59 cm in height, and faces 354 degrees northwest. Panel 4b contains three zoomorphic (horse) figures (Figures 11 and 12). The horse figures in Panel 4b are complete and constructed by using an outline pecking technique. Panel 4c is a detached boulder that measures 80 cm in width, 35 cm in height, and faces 18 degrees north northeast. Panel 4c contains a single horse that is constructed using a pecked outline.

Panels 4a, 4b and 4c exhibit no adverse cultural impacts, such as, bullet holes or modern graffiti. It is obvious that the boulders were once part of the cliff face and have subsequently fallen. In addition, the panels are covered in a moderate layer of sandy silt (dust) from the daily oil and gas field traffic.

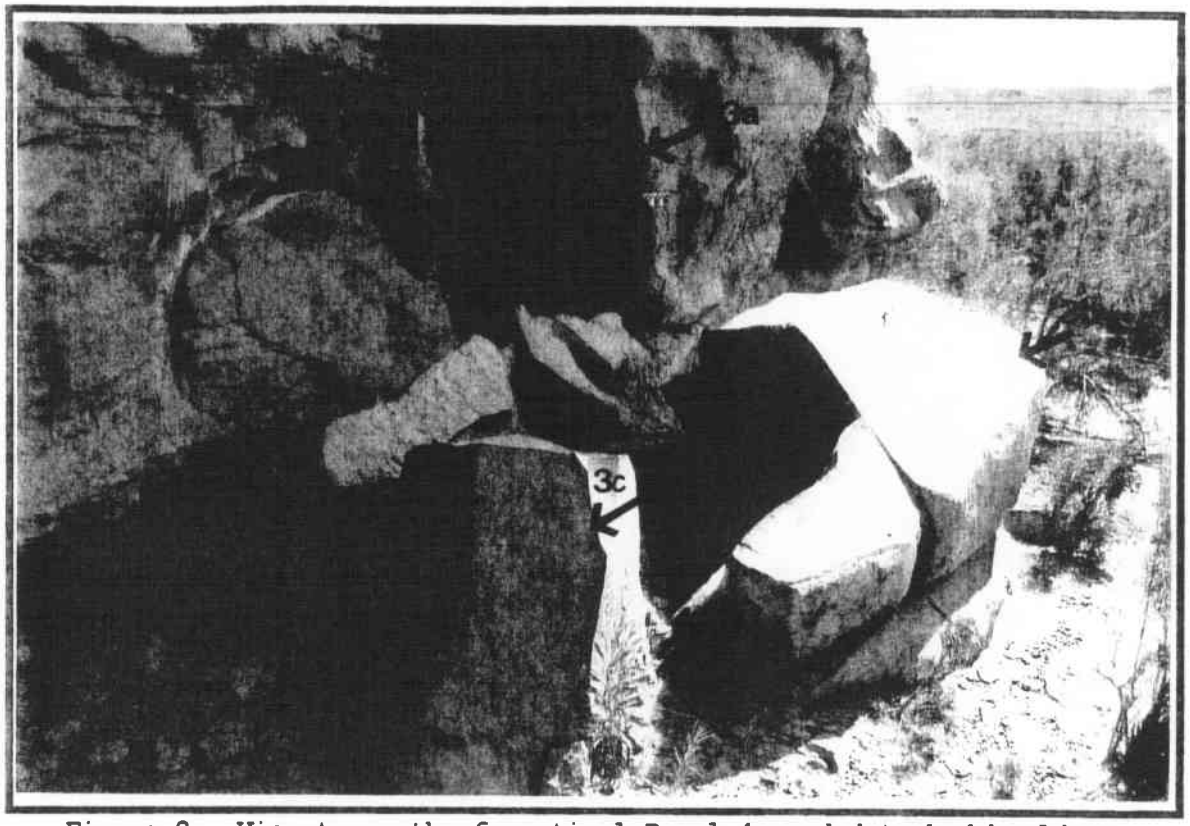


Figure 8. View to south of vertical Panel 4a and detached boulders (Panels 4b and 4c) at 42UN5405.

Panel 5 contains the number 3 that is in dark red paint that measures 12.7 cm in height, 11 cm in width, faces 206 degrees northwest, and is 215 cm above the ground surface. The number has been constructed, not by brushing, but by daubing on the paint. The age of the painted number is unknown. Panel 5 exhibits no adverse cultural impacts, such as, bullet holes or modern graffiti. In addition, Panel 5 is covered in a thin layer of sandy silt (dust) from the daily oil and gas field traffic.

Panel 6 measures 421 cm in length, 201 cm in height, and faces 320 degrees north northwest (Figure 13). The panel contains two (n=2) zoomorphic, one (n=1) anthropomorphic figures, and six (n=6) geometric designs. The two zoomorphic figures are horses that measure between 35 to 40 cm in length and have been constructed by solid pecking. The horses are crude and abstract in design. The anthropomorphic figure is a full human figure that exhibit legs, arms and a hat. The anthropomorphic figure measures 42 cm in height, 13 cm in width, and is constructed by pecking thick (2 to 3 cm) outlines. The geometric designs are represented by two 'S' shaped designs, a backward 'J' design, a figure '8' design and two 'T' shaped brands. These geometric designs are constructed by using a pecked outline technique.

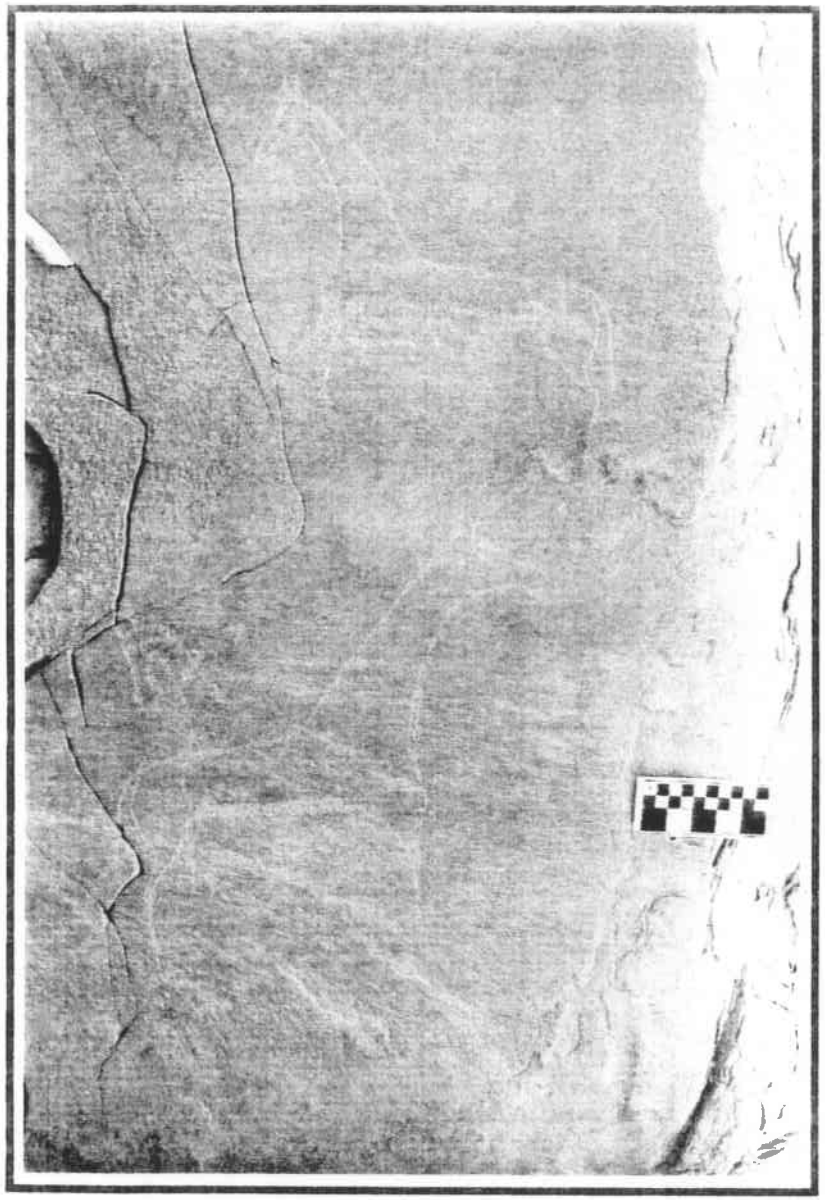


Figure 9. View to south of Panel 4a at 42UN5405.

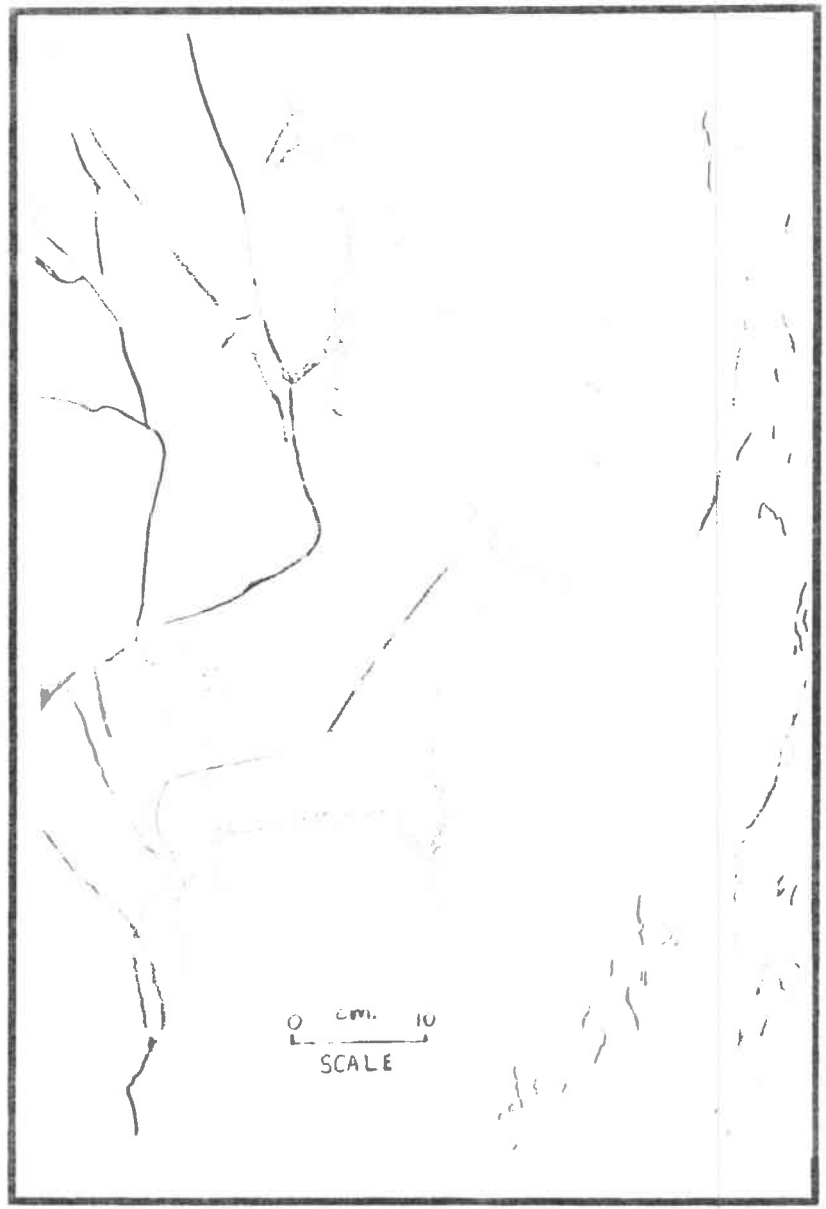


Figure 10. To scale drawing of Panel 4a at 42UN5405.

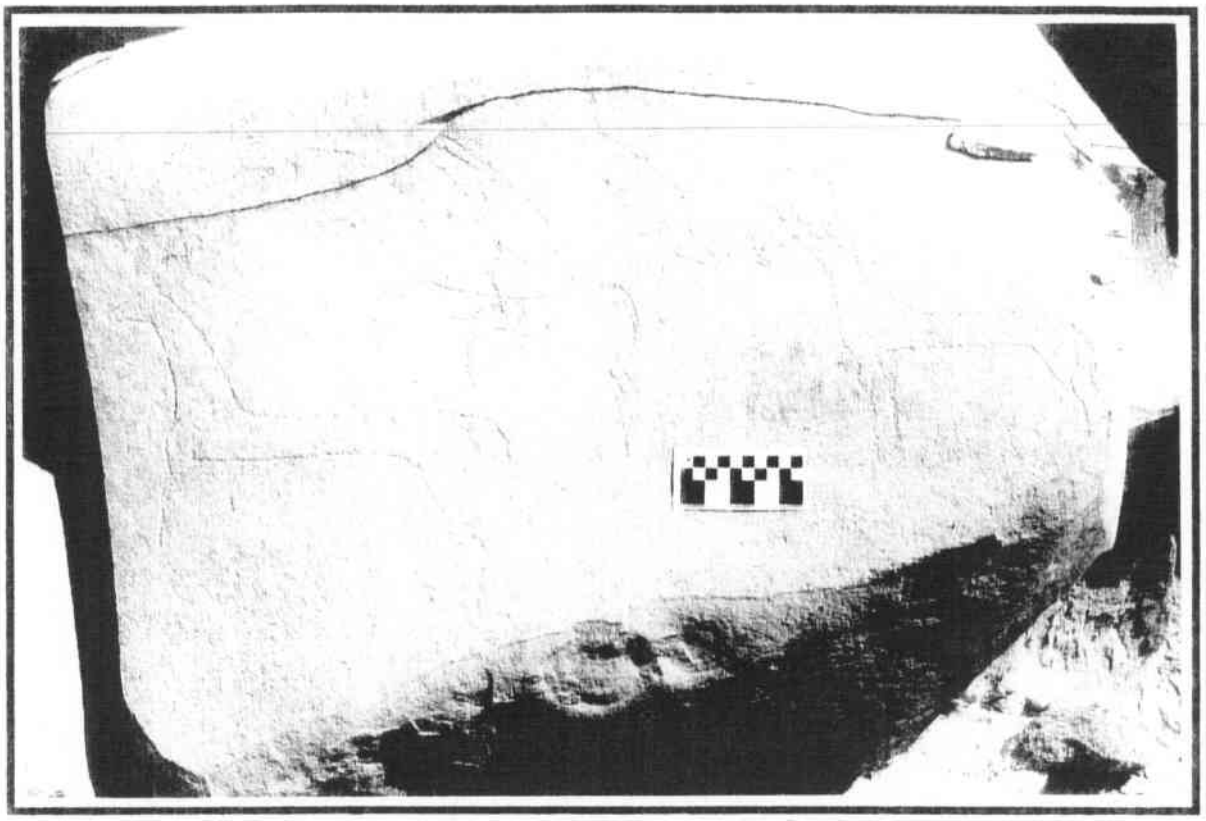


Figure 11. View to south of Panel 4b at 42UN5405.

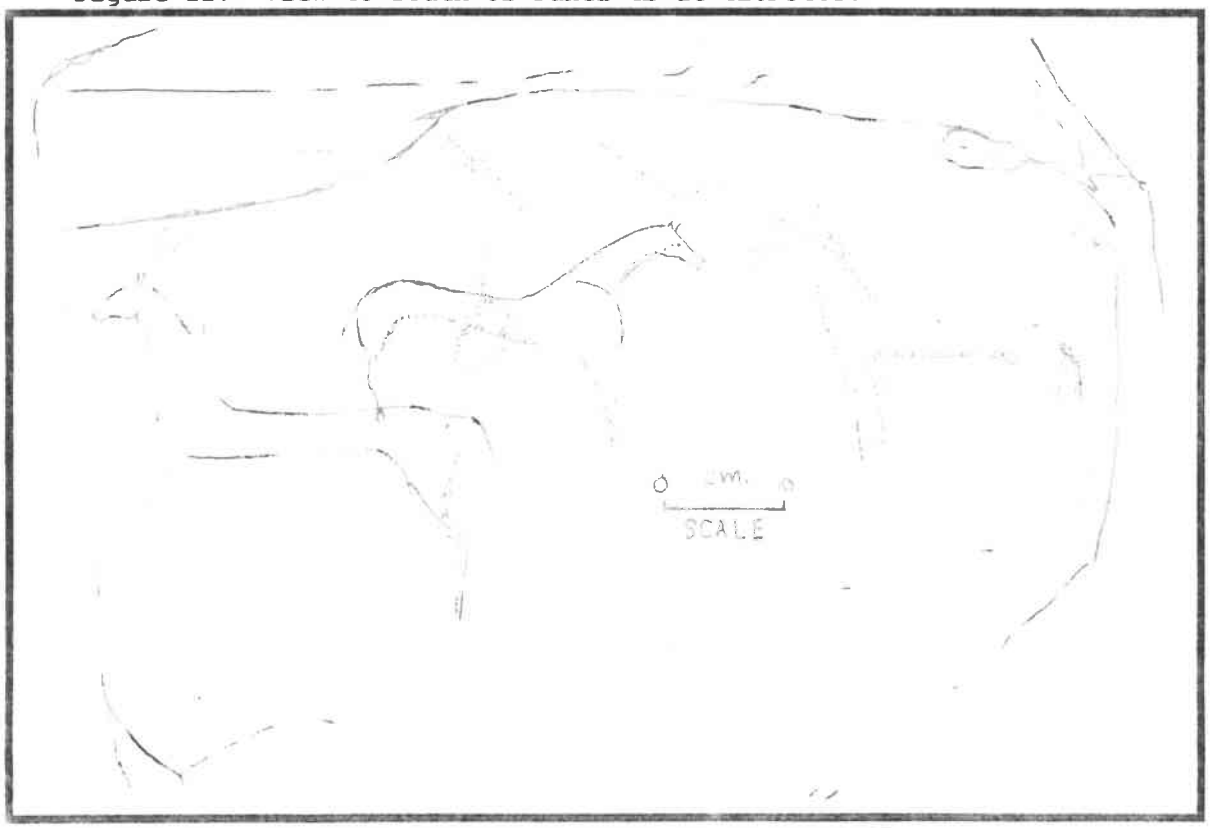


Figure 12. To scale drawing of Panel 4b at 42UN5405.

Composite Photo of Panel 6 at 42UN5405

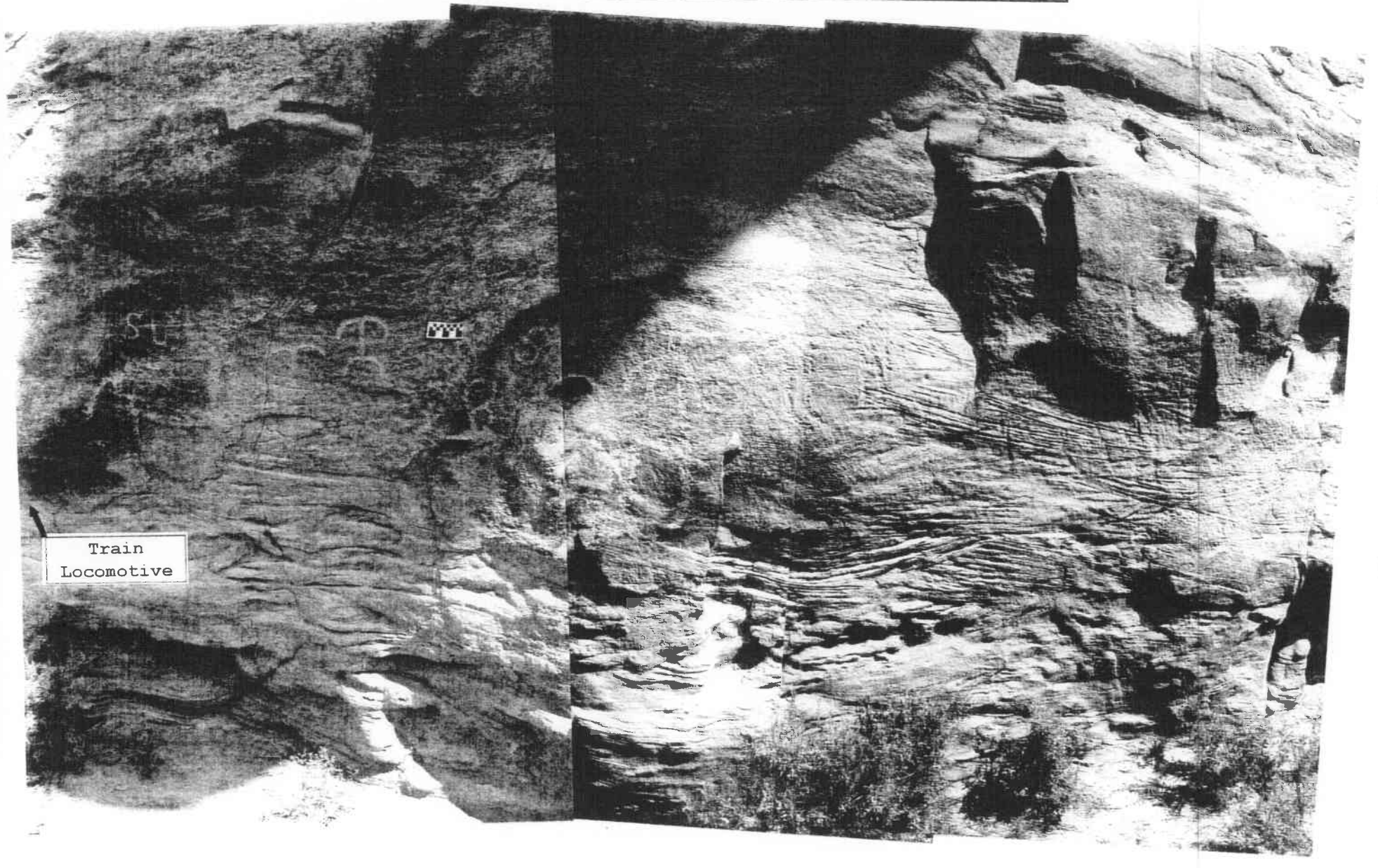


Figure 13. Composite photo, view to east, of Panel 6 at 42UN5405.

In addition, the extreme northern portion of Panel 6 exhibits a train locomotive engine (Figure 14). The locomotive engine is 27.66 cm in length, 28.33 cm in height. The locomotive is constructed using a solid and outline pecking technique. The locomotive is faint, but exhibits wheels, a cow catcher, and smoke stack with a stream of smoke billowing out of the stack. However, the train may represent the Union Pacific railroad line that was built across Wyoming and Utah in the 1860's and trains that crossed in the late 19th century.

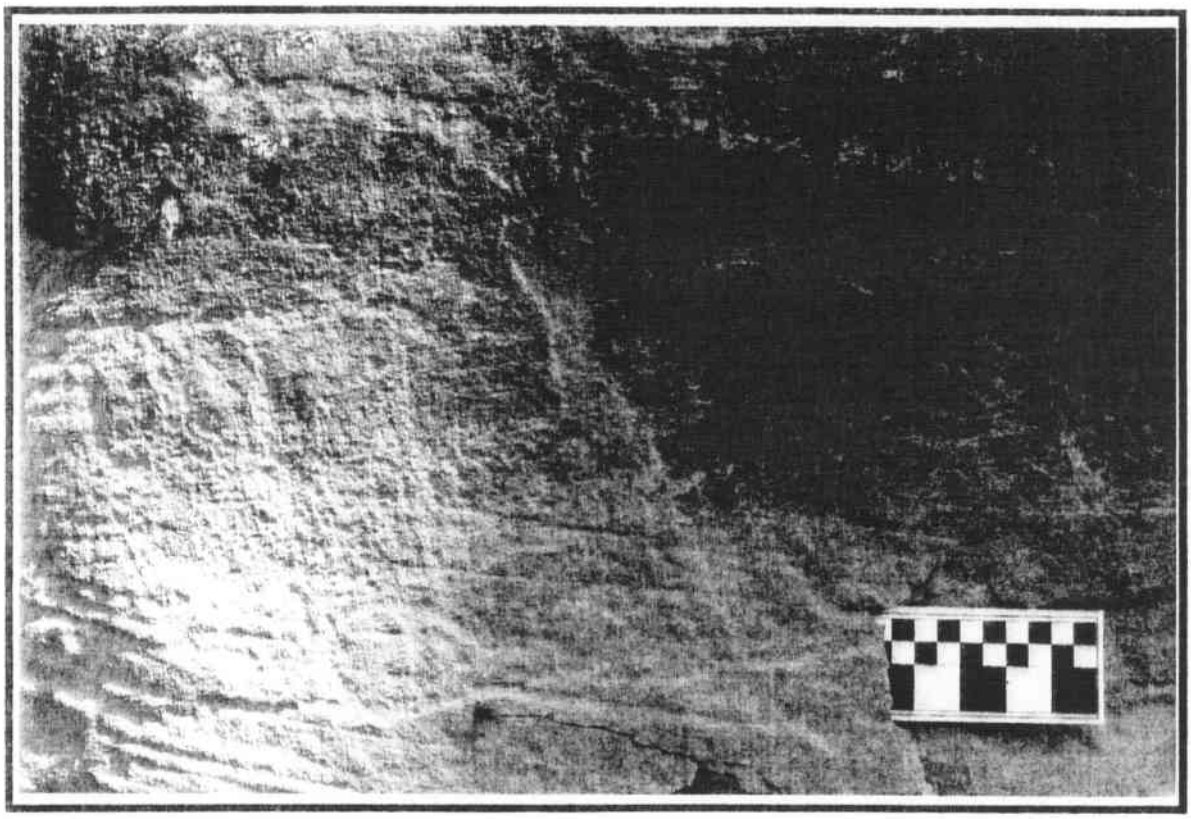


Figure 14. View to south of train locomotive on Panel 6 at 42UN5405.

Figure 7 is a large petrogyph panel that measures 471 cm in length, and 132 cm in height, and is 60 cm above the ground surface (Figures 15 and 16). The panel is a mural that depicts a Bison hunt. The panel contains twenty-one (n=21) zoomorphic figures, ten (n=10) anthropomorphic figures, and a wagon. The twenty-one zoomorphic figures are represented by eleven (n=11) horses and ten (n=10) bison (Bison sp.). The southern most portion of the panel is on a rock wall that faces 305 degrees northwest while the southern most portion of the panel is on a rock wall that faces 345 degrees north northwest. Seven of the Bison are constructed using a outline pecking technique, while three are solid pecked. Of the anthropomorphic figures depicted, four (n=4) are seated in a wagon, three (n=3) are on horse back, and three (n=3) are on foot. Of the three anthropomorphs on horse

Composite Photo of Panel 7 at 42UN5405

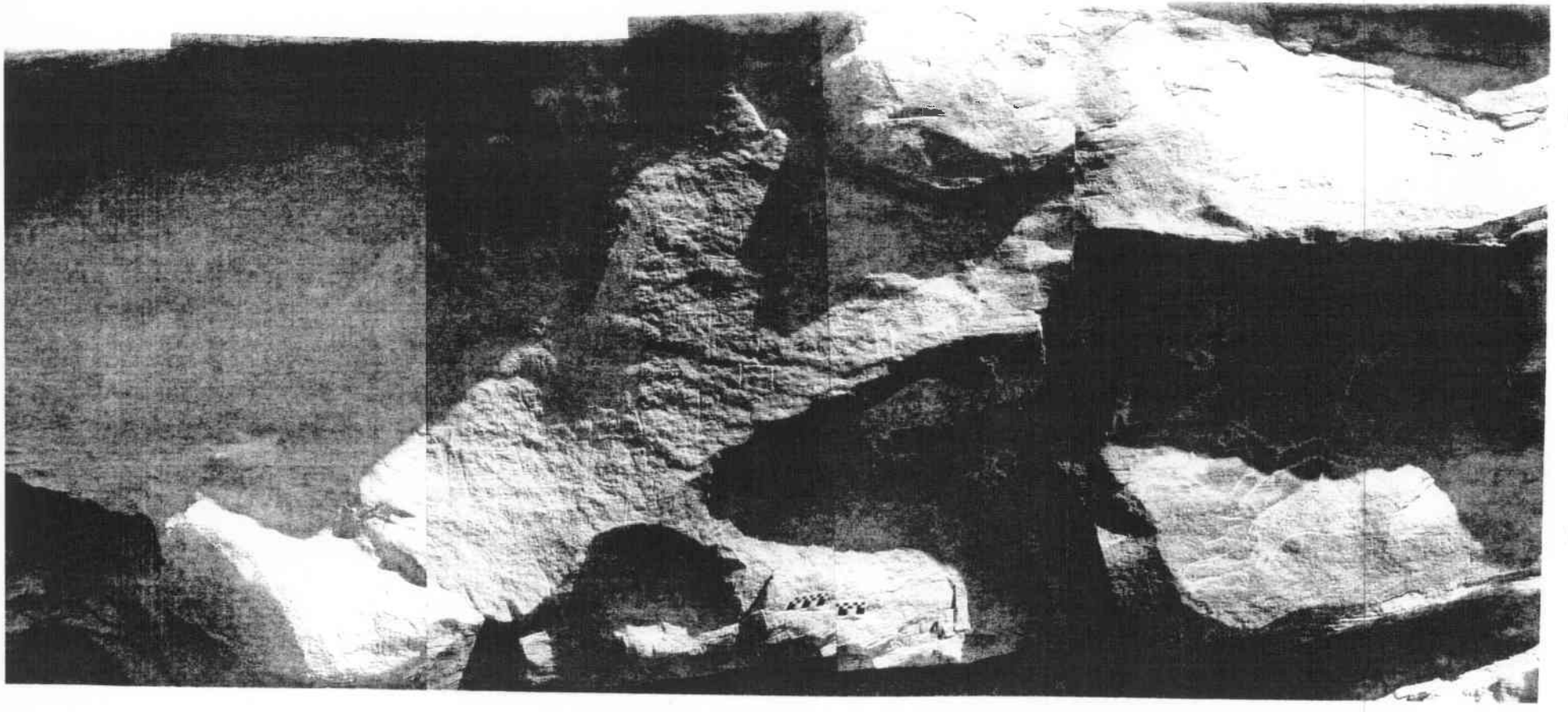


Figure 15. Composite photo, view to east, of Panel 7 at 42UN5405.

To Scale Drawing of Panel 7 at 42UN5405

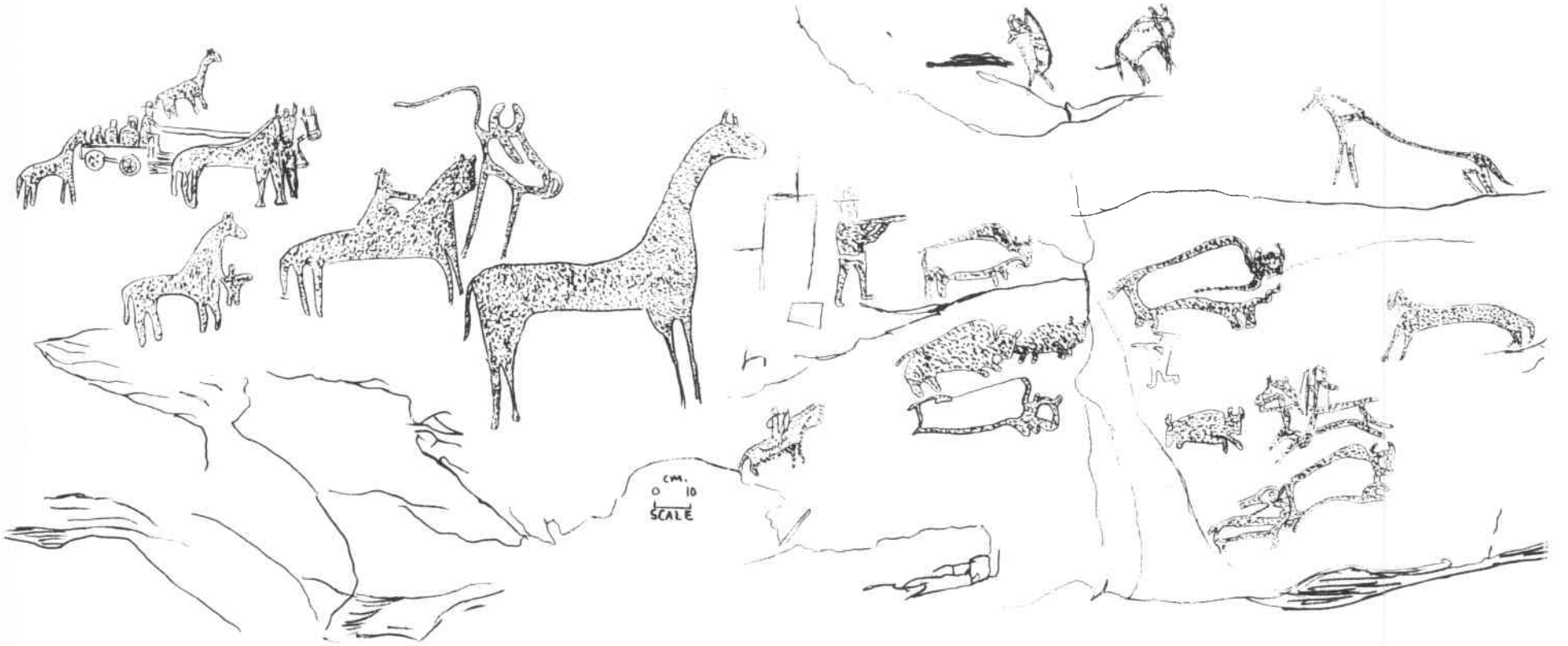


Figure 16. To scale drawing of Panel 7 at 42UN5405.

back, one is simply riding a horse while two are shooting an arrow from a bow. Of the three anthropomorhs on foot, one is holding the reigns of a horse while one is standing firing a rifle, and one is kneeling and shooting a rifle. The anthropomorphic figures are small constructed using a combination of solid pecked and/or outline pecking. The group in the wagon (Figure 17) is along the extreme northern end of the panel, and appears, as to be bringing up the rear or following the hunt as it transpires. The wagon is also representative of the manner of travel for many family groups on the Northern Ute Reservation during the late 19th century (Smith 1974: Plate 13). The age of the panel is suspected to be associated with early reservation period (circa 1861 to 1910).

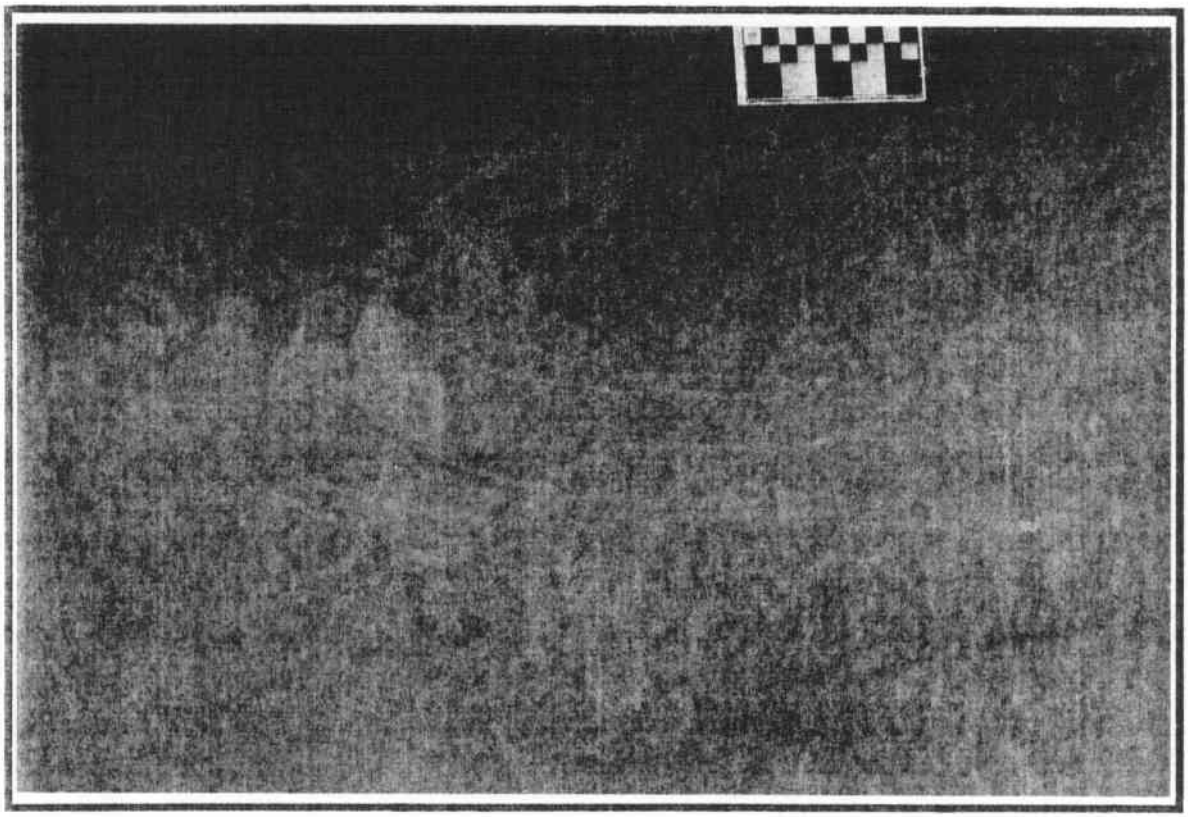


Figure 17. View to east of Indian family in horse drawn wagon along northern portion of Panel 7 at 42UN5405.

Panels 7 does not appear to exhibit any type of modern cultural impacts, such as bullet holes or modern graffiti. However, Panel 7 is extremely close to the existing road and contains a rather thick layer of sandy silt (dust) from the daily oil and gas field traffic.

Another site (42UN551) has been recorded that depicts a Bison hunt in the area (Truesdale 1998c). Site 42UN551 contains two horse riders running after seven bison. Site 42UN551 is located approximately 1 mile north of Ouray, Utah and 12 miles north of

42UN5405.

Panel 8 at 42UN5405 is a small horse figure that is scratched onto a 315 degree facing sandstone wall. The horse measures 36.3 cm in length and 25.7 cm in height. Panel 8 is located 2.35 m above the ground surface. Panel 8 is extremely close to the existing road and contains a rather thick layer of sandy silt (dust) from the daily oil and gas field traffic.

Site Summary

Site 42UN5405 contains eight (n=8) panels that stretch along 163 m of a southwest to northeast trending sandstone bluff that is situated along the Willow Creek Canyon road. The number of figures inventoried on each of the rock art panels at 42UN5405 can be found in Table 1.

Table 1. Frequency of figures inventoried on each rock art panel recorded at 42UN5405.

42UN5405 Panel #	Horse	Bison	Anthro.	Grafitti	Geometric	Building
1	3	0	0	1	2	2
2	14	0	9	0	1	0
3	1	0	0	0	0	0
4a	3	0	0	0	0	0
4b	3	0	0	0	0	0
4c	1	0	0	0	0	0
5	0	0	0	0	1	0
6	2	0	1	0	6	0
7	11	10	10	0	0	0
8	1	0	0	0	0	0
Totals	39	10	20	1	10	1

Table 1 appears to indicate that all of the rock art panels, with the exception of Panels 1 and 5, are associated with each other. The remaining panels may represent the events, animals and individuals that were associated with the Bison hunt depicted in Panel 7. Panel 2 may represent the pipe ceremonies that occurred before, during and/or after the hunt. While the remaining panels represent horses associated with the bison hunt.

Rock Art Discussion

Rock art interpretation involves making associations between rock art and past cultures and attempting to explain how the rock art functioned and what meaning it might have had to past societies and cultures. Unfortunately explanations of function and meaning are tentative because the rock art now exists out of its living cultural context. The archaeological record is

fragmentary and thus the farther one goes back in time the more incomplete it becomes (Truesdale 2002a:135). It is fortunate that through tribal informants site 42UN5405 can be traced to the early reservation period associated with the Ouray Ute Agency (circa 1882-1910), the Uintah-Ouray Ute tribal members and particularly families of the Uncomphagre band that settled in the Ouray and occupied allotments along Hill and Willow Creek.

Recent theories in the study of rock art and other archaeological materials have emphasized the roles played by context and symbolism. It has been proposed that symbols such as rock art images are most likely to be meaningful when examined within the contexts of time, place, culture, and society and with the knowledge that symbolism is part of information exchange, communication systems, and acts to express and reinforce group identities (Truesdale 2002a:135-136).

Rock art sites attributed to early, late, historic and modern Ute have been found around the Ouray, Utah area and throughout the Hill and Willow Creek Canyon(s) on the East Tavaputs Plateau Region (Truesdale 1997a, 1997b, 1998a, 1998b, 1998c, 1998d, 1998e, 1999, 2002a, 2002b and 2003). Early (pre-1600) Ute petroglphs are identifiable through small solid pecked shield figures, anthropomorphs carrying burden baskets, zoomorphic (animal, bird) figures and foot prints, and the use of various natural paints (ah-pah). Similar early Ute petroglyphs have been identified in the Cub Creek Castle Park, and Johnson Canyon areas of Dinosaur National Monument.

Late (AD 1600-1883) Ute petroglyphs contain pronounced continuities with earlier art but show the influence of Euro-american art tradition that emphasizes controlled compositions, realism, and naturalism in life forms (Buckles 1971, Cole 1990:235). The Late Ute styles in the Uintah Basin and Uintah-Ouray Ute Reservation are similar to the earlier forms, but with some additional subjects such as; decorated shields, shield and burden basket bearing figures, horses and equestrians, tepees, bears, trees and animal tracks (Truesdale 2002a). In several instances rock art sites exhibit red, yellow, white and blue pigments (Truesdale 2002a). Many of the horses found along Hill and Willow Creek have elongated and/or stretched morphological characteristics and are considered to date between circa AD 1830-1880.

Early Reservation Period (AD 1880 to 1910), Ute anthropomorphs and zoomorphs appear to show motion, realistic physical attributes, bow and arrow, rifles and details of clothing, saddle and tack, and decoration. In addition, these later Ute rock art panels appear to be busy and crowded (Truesdale 1998aq, 1998b, 1998c, 1998d and 1998e).

Horses are extremely common figures through out the Uintah-Ouray Ute Reservation area. These horse figures represent the Uncomphagre Ute reservation period (circa AD 1868-1910 to present), area associated with the occupation of the Ouray Indian Agency and Fort Thornburg (circa 1882-1883), and the town of Ouray, Utah between 1868 to present (Truesdale 1997a and 1997b). During the late 1880's the Ouray agency established a small boarding school along Hill Creek. In addition, many Uncomphagre Ute's were given allotments, at this time, along the Hill and Willow Creeks. Many of the horse figures depicted in the panels at 42UN5405 may have been associated with Ute students of the Ouray Boarding School between 1885 and 1905. In addition, site 42UN5405 may represent one of the last Bison sp. hunts recorded on the reservation. Therefore, site 42UN5405 is considered to significant and contain contributing elements (Ute Rock Art) to the Ouray Historic District (Truesdale 1997a, 1998a, 1998b, 1998c, 1998d, 1998e and 1999).

Site Condition

Site 42UN5405 is located adjacent immediately east of the Willow Creek Canyon access road. The site is considered to be in good to fair condition because of several reasons.

First, site 42UN5405 has been subjected to the construction, use, and cyclic maintenance of the Willow Creek Canyon access road, and second, to construction of a surface pipeline that is located across the road. The road is a Uintah County right-of-way. The site continues to be impacted on a daily basis by dust and dirt that billows up and blows against the rock surface by the heavy amount of oil and gas field traffic. This dust and debris covers the rock art panels with a layer of silty sandy dust and grit.

In the spring of 2006 AIA observed that the cyclic maintenance by Uintah County road crew had removed 8 to 10 feet (2.43-3.04 m) of tall black greasewood bushes (Figure 18) from in front of the site. In addition, a road grader had backed up and turned around in front of Panel 2 of 42UN5405 (Figure 19). The tracks of the road grader were less than four feet (1.22 m) from the rock wall that contains Panel 2 at 42UN5405.

The Uintah County road crew was observed by AIA again on March 13, 2007 blading the road (Figure 20). The author approached the Uintah County blade operator and was informed that the stretch of road in front of the rock art site was going to be paved with gravel. However, an additional 2 to 4 feet (.61-1.22 m) of tall black greasewood bushes were removed. The gravel will reduce the amount of dust blown against the rock art panels, somewhat, but will not stop the accumulation of dust on the rock art site panels.

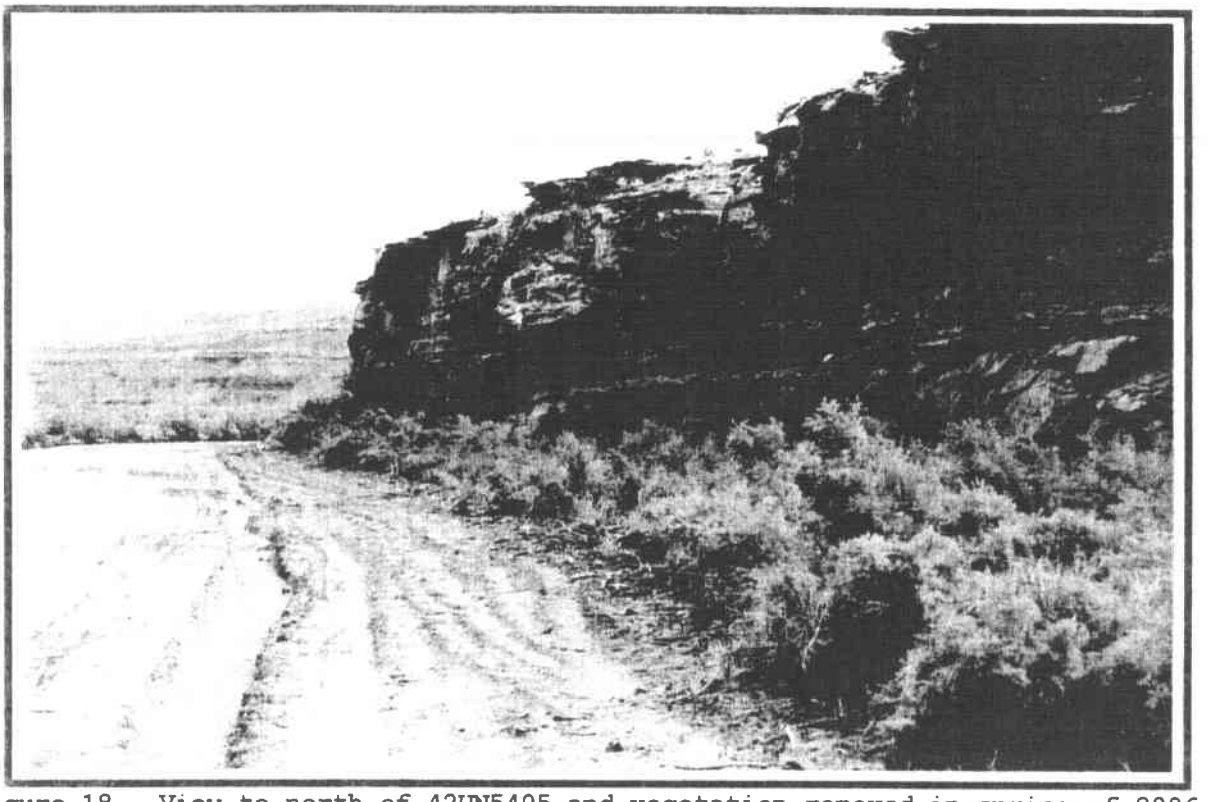


Figure 18. View to north of 42UN5405 and vegetation removed in spring of 2006.

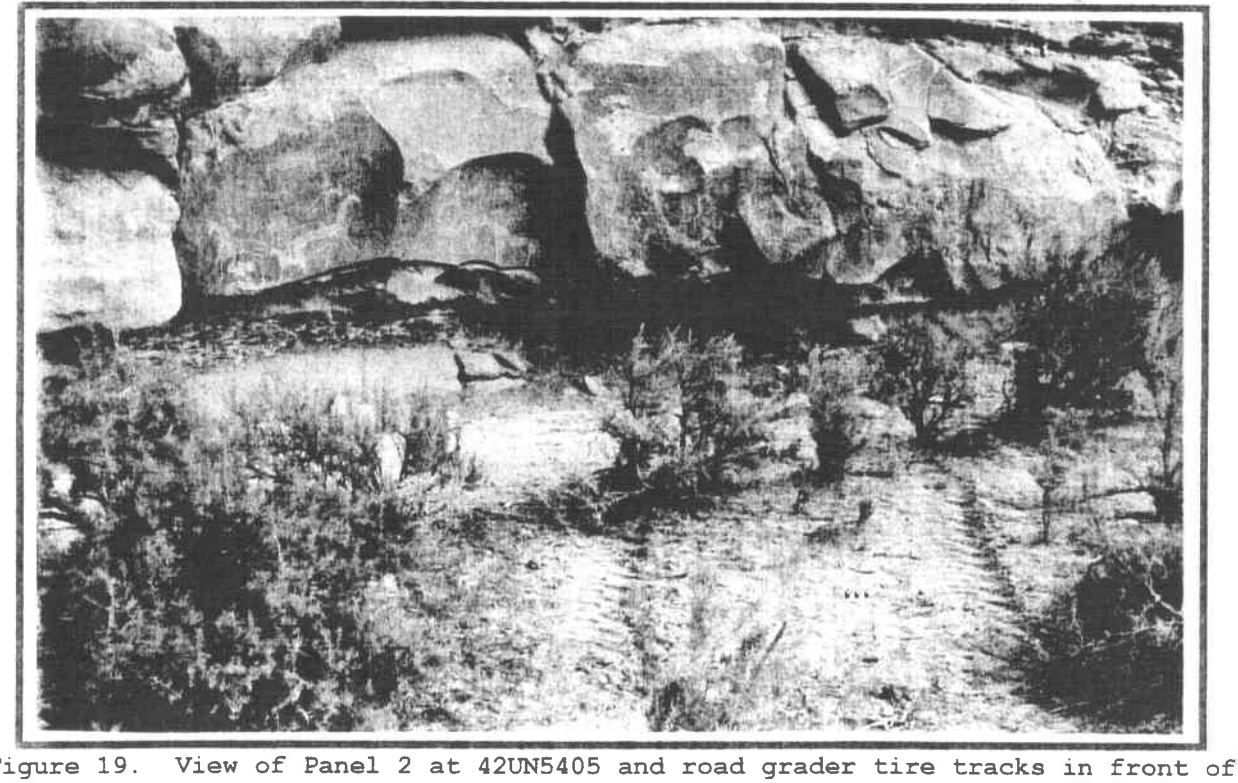


Figure 19. View of Panel 2 at 42UN5405 and road grader tire tracks in front of sandstone wall.

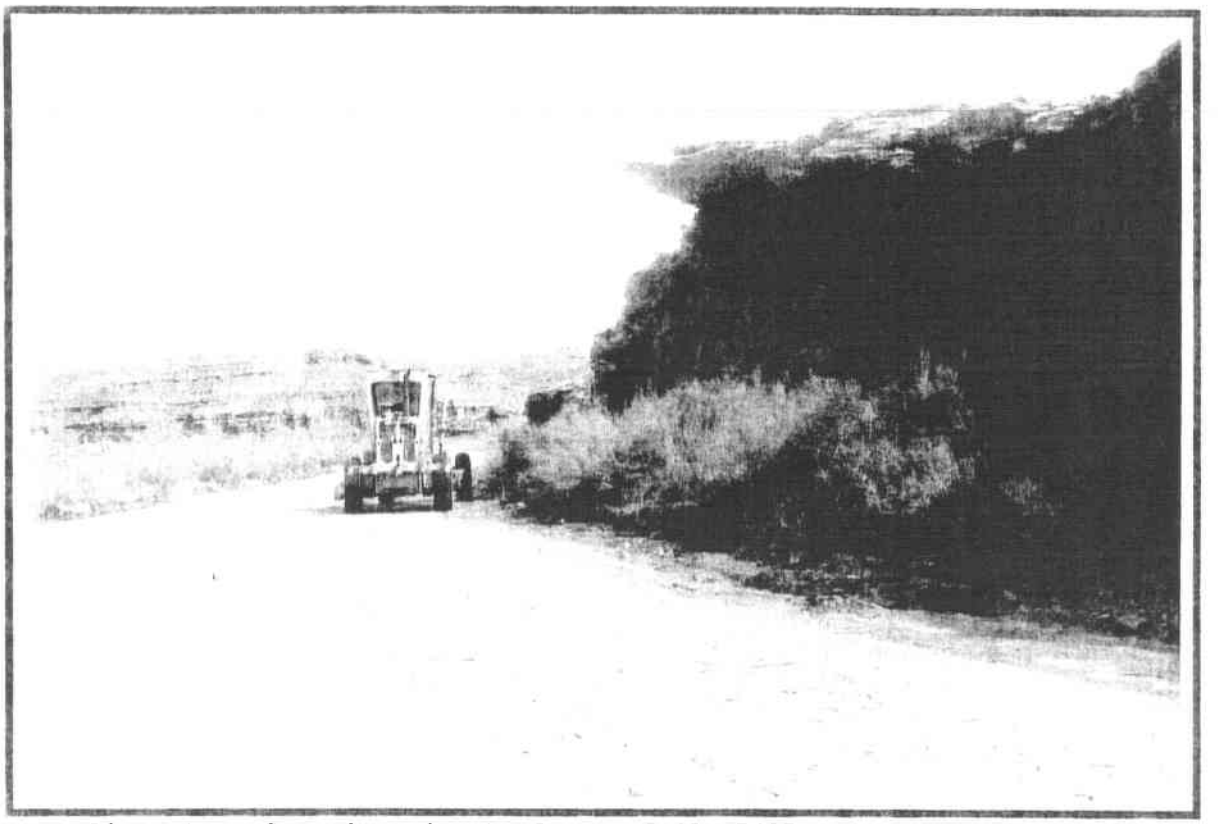


Figure 20. View of road grader in front of 42UN5405 on March 13, 2007.

At one time a large stand of tall greasewood was present in front of the site. This stand of greasewood acted as a very effective shield which knocked down and kept a great deal of the dust and debris from reaching the rock wall and accumulating over the rock art panels. However, the plume and amount of dust and debris that billows up from the daily traffic is severe (Figure 21). In addition, the greasewood kept most of the rock art from view by the passing traffic. Now the greasewood has been removed and the road widened enough for two semi-tracker trailers to pass each other, and allow for traffic to park in front of the site. The rock art could, potentially, be struck by vehicles that become out of control during muddy and wet road conditions, and subsequently slide into the rock wall.

As mentioned earlier, the proposed RBU #6-22F well will be directionally drilled from the existing RBU #7-22F well pad. Site 42UN5405 is located over 400 feet (121.9 m) west of the existing RBU #7-22F well pad and the proposed RBU #6-22F centerstake. Present standard operating procedure on the Uintah-Ouray Ute Reservation is to create a ¼ mile (1320 foot/402.4 m) buffer zone between rock art sites and any proposed construction. However, the standard operating procedure of a buffer zone for site 42UN5405 from the drilling of the existing RBU #7-22F well was not

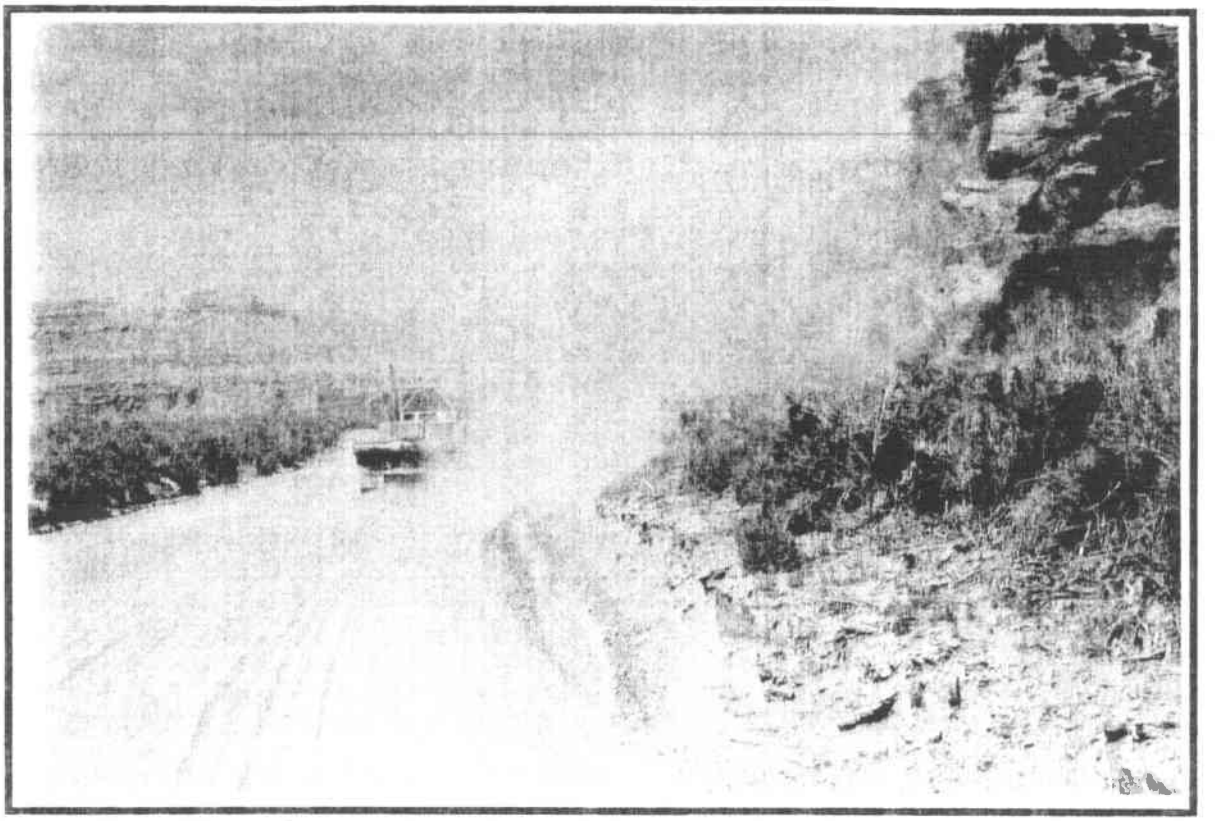


Figure 21. View of a semi-tracker trailer truck and the plume of dust that billows up and toward 42UN5405.

effect at the time of the well's drilling. In addition, it appears that the past construction of the RBU #7-22F well, its access and pipeline did not impact site 42UN5405. Therefore, the site will not be impacted by the construction of the proposed RBU #6022F well, its access or pipeline.

National Register Status: Site 42UN5405 has been adequately recorded, inventoried and mapped. Site 42UN5405 is a large rock art site that contains zoomorphic and anthropomorphic petroglyphs that are associated with the early Ute Reservation (circa 1885-1910).

Site 42UN5405 is associated with an event such as the establishment of the Uintah-Ouray Ute Reservation, which has made a significant contribution to the broad patterns of the region (Uintah Basin), the state of Utah, or country's (USA) history. However, the site does not appear to be associated with the life or lives of persons significant to our past.

The site does contain features (rock art) that embody a unique distinctive type and style of rock art characteristic of the Early Reservation Ute (AD 1885-1910), specifically the Uncomphagre Ute band that occupied the Ouray, Utah area, and the

Hill and Willow Creek Canyon(s).

In addition, the site could add additional significant data using such techniques as, terrestrial photogrammetry, video photography and photography using various lense filters which may improve image quality in photographs. In addition, the study of sun and shadow relationships, and cultural (ethnographic) interviews from elders, and research pertaining to late Bison hunts during the early reservation period could add additional significant data about the rock art.

The site is considered to be a significant contributing element (property) to the Ouray Historic District.

Therefore, site 42UN5405 is considered to be eligible for nomination and inclusion to the National Register of Historic Places (NRHP) under criterion "a", "c" and "d".

Recommendations

A total of 10 (10 block, 0 linear) acres were surveyed for cultural resources by AIA within and around the proposed Dominion Exploration & Production, Inc. River Bend Unit #6-22F well, and along its access and pipeline. As mentioned earlier, the proposed RBU #6-22F well will be directionally drilled from the existing RBU #7-22F well pad. One site (42UN5405) was recorded. The site is a large rock art site and is considered to be eligible for nomination and inclusion to the NRHP under criterion "a", "c" and "d".

A moderate scatter of modern trash (plastic bottles, sanitary food cans, miscellaneous metal, wire, green, brown and clear glass bottles and bottle fragments, foam insulation, etc.) can be found on and surrounding the existing River Bend Unit well pads and along the existing oil and gas field service roads including the Willow creek Canyon road.

As mentioned above, the proposed RBU #6-22F well will be directionally drilled from the existing RBU #7-22F well pad. Site 42UN5405 is located over 300 feet (91.4 m) west of the existing RBU #7-22F well pad and the proposed RBU #6-22F centerstake. Present standard operating procedure on the Uintah-Ouray Ute Reservation is to create a ¼ mile (1320 foot/402.4 m) buffer zone between rock art sites and any proposed construction. However, the standard operating procedure of a buffer zone for site 42UN5405 from the drilling of the existing RBU #7-22F well was not created. In addition, it appears that the past construction of the RBU #7-22F well, its access and pipeline did not impact site 42UN5405.

In the 1990's the author met Mr. Alvin Ignacio (technician,

Energy and Minerals Resource Department, Uintah-Ouray Ute Tribe) and Dr. Richard Hauck (owner/principal investigator for Archaeological Environmental Resource Consultants, AERC) at the site. At that time, AERC had several personnel (crews) recording (mapping and drawing to scale drawings) the rock art. Subsequently, no evidence of a report or Intermountain Antiquities Computer System (IMACS) site form was ever completed by AERC concerning their archaeological investigations. The file search for this particular project verified that AERC never conducted a project along the site or acquired a site Smithsonian site number.

AS mentioned above, at one time a large stand of tall greasewood was present in front of the site. This stand of greasewood acted as a very effective shield which knocked down and kept a great deal of the dust and debris from reaching the rock wall and accumulating over the rock art panels. Subsequently, the greasewood has been removed and the road widened enough for two semi-tracker trailers to pass each other, and allow for traffic to park in front of the site. The plume and amount of dust and debris that billows up from the daily traffic is severe (Figure 21). In addition, the greasewood kept most of the rock art from view by the passing traffic. The rock art could, potentially, be struck by vehicles that become out of control during muddy and wet road conditions, and subsequently slide into the rock wall.

As mentioned above, site 42UN5405 is located adjacent immediately east of the present Willow Creek Canyon access road. The daily traffic along the road is heavy and continues to be the greatest threat to site 42UN5405. Site 42UN5405 is located 100 feet (30.4 m) below and 400 feet (121.9 m) west of the proposed project and thus will not be impacted by the construction and drilling of the RBU #6-22F well, its access and pipeline.

To allow the RBU #6-22F well to be drilled on the existing RBU #7-22F well, Dominion Exploration and Production, Inc. (DEPI) personnel have indicated, to the author, that they (DEPI) would be willing to add large rocks (boulders) in front of the site to aid in the protection of the site from traffic. This is an agreement that would have to be made between the Bureau of Indian Affairs, Uintah-Ouray Ute Tribe and DEPI personnel.

Thus, sediments on and surrounding the proposed well pad, and along its access and pipeline have been disturbed by previous construction of the existing RBU #7-22F well, its access and pipeline. Undisturbed sediments surrounding the existing well and along its access and pipeline are shallow. Therefore, the possibility of buried and/or intact cultural materials on the proposed well pad or along its access and pipeline is low. No additional cultural resources (historic properties, isolates) were recorded during the survey for the proposed RBU #6-22F well, its access and pipeline. Therefore, no additional archaeological work

is necessary and clearance is recommended for the construction of the River Bend Unit #6-22F well pad, its access, and pipeline.

REFERENCES CITED

Buckles, Willian G.
1971 The Uncomphagre Complex: Historic Ute Archaeology and Prehistoric Archaeology on the Uncomphagre Plateau in West Central Colorado. Ph.D. dissertation. Department of Anthropology, University of Southern Colorado, Pueblo, Colorado.

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

Cole, Sally J.
1990 Legacy On Stone:Rock Art of the Colorado Plateau and Four Corners Region. Johnson Books, Boulder, Colorado.

Smith, Anne M.
1974 Ethnolography of the Northern Utes. Papers in Anthropology No. 17, Museum of New Mexico Press, University of New Mexico, Albuquerque, New Mexico.

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

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

Truesdale, James A.
1997a Cultural Resource Inventory for Petroglyph operating Co., of Section 32, T4S R3E, Uintah-Ouray Ute Reservation, Uintah County, Utah. Report prepared for Petroglyph Operating Co. by AIA. Manuscript is on file at the AIA office in Laramie, Wyoming.

1997b Cultural Resource Inventory for Petroglyph operating Co., of Section 29, T4S R3E, Uintah-Ouray Ute Reservation, Uintah County, Utah. Report prepared for Petroglyph Operating Co. by AIA. Manuscript is on file at the AIA office in Laramie, Wyoming.

1998a Cultural Resource Inventory for Petroglyph operating Co., of Section 13, T4S R2E, Uintah-Ouray Ute Reservation, Uintah County, Utah. Report prepared for Petroglyph Operating Co. by AIA. Manuscript is on file at the AIA office in Laramie, Wyoming.

1998bCultural Resource Inventory for Petroglyph operating Co., of Section 18, T4S R3E, Uintah-Ouray Ute Reservation, Uintah County, Utah. Report prepared for Petroglyph Operating Co. by AIA. Manuscript is on file at the AIA office in Laramie, Wyoming.

1998cCultural Resource Inventory for Petroglyph operating Co., of Section 19, T4S R2E, Uintah-Ouray Ute Reservation, Uintah County, Utah. Report prepared for Petroglyph Operating Co. by AIA. Manuscript is on file at the AIA office in Laramie, Wyoming.

1998dCultural Resource Inventory for Petroglyph operating Co., of Section 6, T4S R3E, Uintah-Ouray Ute Reservation, Uintah County, Utah. Report prepared for Petroglyph Operating Co. by AIA. Manuscript is on file at the AIA office in Laramie, Wyoming.

1998beCultural Resource Inventory for Petroglyph operating Co., of Section 31, T4S R3E, Uintah-Ouray Ute Reservation, Uintah County, Utah. Report prepared for Petroglyph Operating Co. by AIA. Manuscript is on file at the AIA office in Laramie, Wyoming.

1999 Cultural Resource Inventory for Petroglyph operating Co., of Section 1, T5S R2E, Uintah-Ouray Ute Reservation, Uintah County, Utah. Report prepared for Petroglyph Operating Co. by AIA. Manuscript is on file at the AIA office in Laramie, Wyoming.

2002aCultural Resource Assessment of Flat Rock Mesa, East Tavaputs Plateau, Uintah-Ouray Ute Reservation, Uintah County, Utah. Report prepared for Wind River Resources. by AIA. Manuscript is on file at the AIA office in Laramie, Wyoming.

2002bDominion Exploration & Production, Inc.: Hill Creek Unit #1-33F; A Cultural Resource Inventory for a well pad, its access and flowline, Uintah-Ouray Ute Reservation, Uintah County, Utah. Report prepared for DEPI by AIA. Report is on file at the AIA office in Laramie, Wyoming.

2003 Dominion Exploration & Production, Inc.: River Bend Unit #15-22F; A Cultural Resource Inventory for a well pad, its access and flowline, Uintah-Ouray Ute Reservation, Uintah County, Utah. Report prepared for DEPI by AIA. Report is on file at the AIA office in Laramie, Wyoming.

2003 Dominion Exploration & Production, Inc.; River Bend Unit (RBU) #15-22F: A Cultural Resource Inventory for a well pad, its access and pipeline, Uintah-Ouray Ute Reservation, Uintah County, Utah. Report prepared for DEPI by AIA. Manuscript on file at AIA office in Laramie, Wyoming.

Truesdale, James A., Kathleen E Hiatt, and Clifford Duncan
1995 Cultural Resource Inventory of the Proposed Ouray Gravel Pit Location, Uintah-Ouray Ute Reservation, Uintah County, Utah. Report prepared for U & W Construction, Ft. Duchesne, Utah by AIA, Laramie, Wyoming.

PALEONTOLOGY EVALUATION SHEET

PROJECT: Dominion Wells **RBU #6-22F** (6-22F was #98 on 2005 List)

LOCATION: Eleven miles south of Ouray, Utah. Section 22, 1598' FNL, 2489' FEL, T10S, R20E, Uintah County, Utah.

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

DATE: April 5, 2006

GEOLOGY/TOPOGRAPHY: Uinta Formation, lower part, Eocene Age. Location is on an existing well location East of Willow Creek up on a low bench or terrace.

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

Surveyed the pipeline, not the existing location.

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

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

MITGATION RECOMMENDATIONS: NONE [X] OTHER [ ] (SEE BELOW)

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

PALEONTOLOGIST: Alden H. Hamblin

A.H. Hamblin Paleontological Consulting, 3793 N. Minersville Highway, Cedar City, Utah 84720 (435) 867-8355
Utah State Paleontological Permit # 04-339, BLM paleontological Resources Permit # UT-S-05-02,
Ute Tribe Access Permits – 03/31/06 & 09/30/06. Utah Professional Geologist License – 5223011-2250.

DOMINION EXPLR. & PROD., INC.
RBU #6-22F
SECTION 22, T10S, R20E, S.L.B.&M.

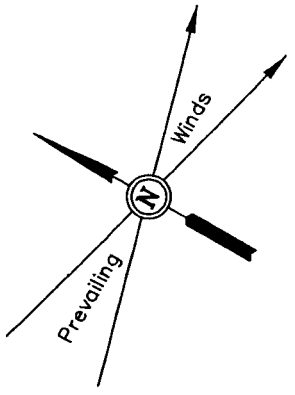
PROCEED IN A WESTERLY DIRECTION FROM VERNAL, UTAH ALONG U.S. HIGHWAY 40 APPROXIMATELY 14.0 MILES TO THE JUNCTION OF STATE HIGHWAY 88; EXIT LEFT AND PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 17.0 MILES TO OURAY, UTAH; PROCEED IN A SOUTHERLY, THEN SOUTHEASTERLY DIRECTION APPROXIMATELY 9.1 MILES ON 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 3.2 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTH; TURN LEFT AND PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 0.15 MILES TO THE PROPOSED LOCATION.

TOTAL DISTANCE FROM VERNAL, UTAH TO THE PROPOSED WELL LOCATION IS APPROXIMATELY 43.45 MILES.

DOMINION EXPLR. & PROD., INC.

LOCATION LAYOUT FOR

RBU #6-22F
SECTION 22, T10S, R20E, S.L.B.&M.
1598' FNL 2489' FEL



SCALE: 1" = 50'
DATE: 2-28-06
Drawn By: K.G.

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

Existing Road
Existing 6" Pipeline
F-1.8' El. 911.3'
C-1.0' El. 914.1'
Sta. 3+55
65'
F-0.6' El. 912.5'
DATA
Existing Riser
Existing RBU #7-22F Pad
Anchor (Typ.)
150'
175'
CATWALK
Existing 4" Pipeline
PIPE RACKS
Approx. Toe of Fill Slope
FLARE PIT
El. 909.3'
F-3.8'
20' WIDE BENCH
El. 907.6'
C-4.5' (btm. pit)
El. 913.0'
F-0.1'
Existing RBU #7-22F
25.14'
N60°16'33"E
RIG
DOG HOUSE
135'
Sta. 1+80
C-0.4' El. 913.5'
75'
15'
35'
GRADE
El. 913.1'
El. 912.6'
F-0.5'
Total Pit Capacity W/2' of Freeboard = 12,630 Bbls. ±
Total Pit Volume = 3,500 Cu. Yds.
Slope = 1-1/2:1
MUD TANKS
WATER
PUMP
MUD SHED
HOPPER
POWER
TRASH
TOOLS
FUEL
TRAILER
TOILET
FUEL
Existing Tank
Facility Building
Existing 4" Pipeline
Existing Berm
Sta. 0+50
Reserve Pit Backfill & Spoils Stockpile
10' WIDE BENCH/DIKE
180'
RESERVE PITS (10' Deep)
Slope = 1-1/2:1
F-3.8' El. 909.3'
180'
STORAGE TANK
F-2.9' El. 910.2'
Round Corners as Needed
Sta. 0+00
El. 907.9'
C-4.8' (btm. pit)
20' WIDE BENCH
Topsoil Stockpile
Approx. Top of Cut Slope
F-3.9' El. 909.2'
C-5.0' El. 918.1'

Elev. Graded Ground at Location Stake = 4913.1'

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

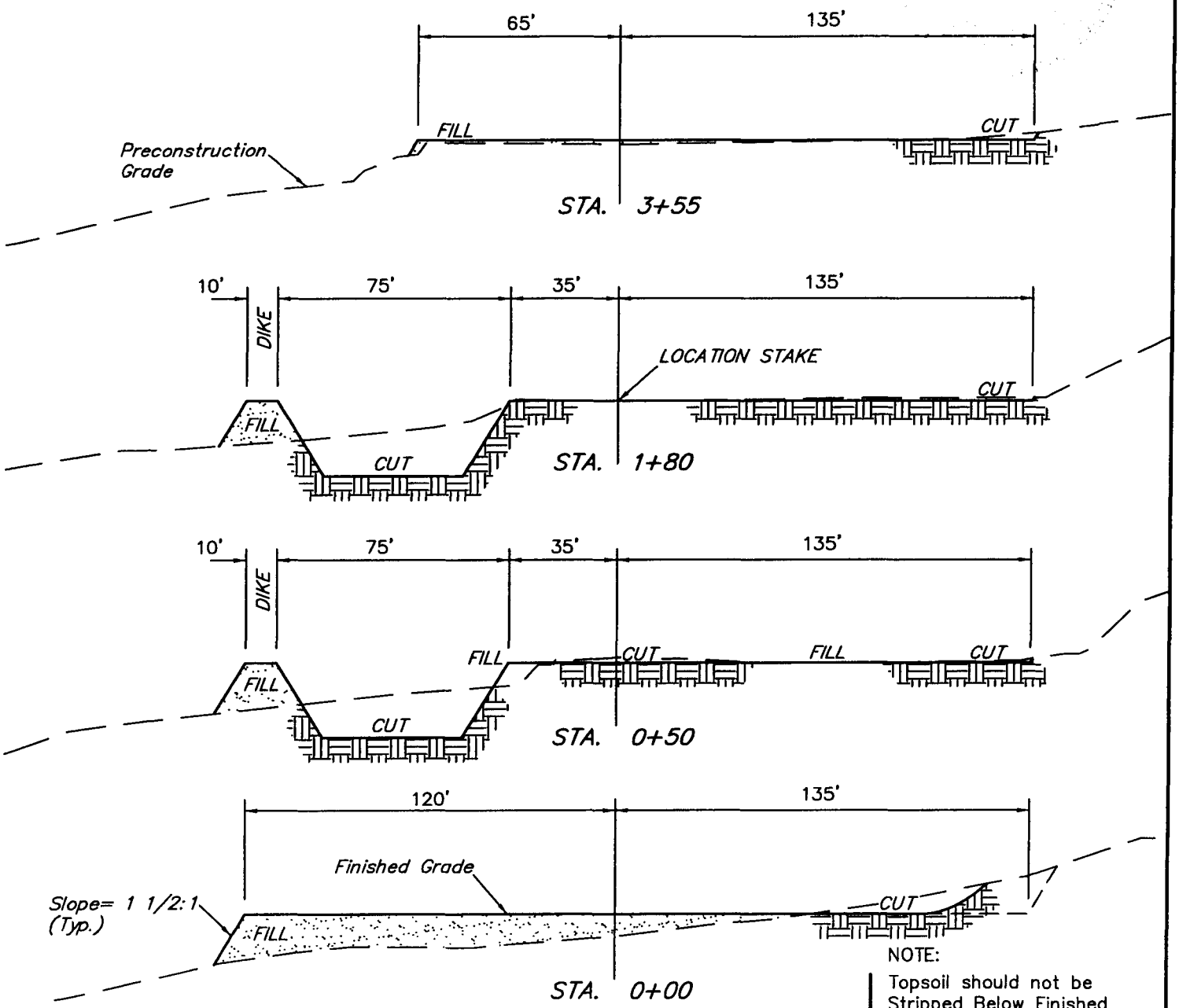
DOMINION EXPLR. & PROD., INC.

TYPICAL CROSS SECTIONS FOR

RBU #6-22F
SECTION 22, T10S, R20E, S.L.B.&M.
1598' FNL 2489' FEL

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

DATE: 2-28-06
Drawn By: K.G.



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

APPROXIMATE YARDAGES

* NOTE:
FILL QUANTITY INCLUDES 5% FOR COMPACTION

CUT

(12") Topsoil Stripping = 1,010 Cu. Yds.
(New Construction Only)

Remaining Location = 1,870 Cu. Yds.

TOTAL CUT = 2,880 CU.YDS.

FILL = 2,750 CU.YDS.

EXCESS MATERIAL = 130 Cu. Yds.

Topsoil & Pit Backfill (1/2 Pit Vol.) = 2,760 Cu. Yds.

EXCESS UNBALANCE (After Rehabilitation) =<2,630>Cu. Yds.

(Obtain Deficit Material From Approved Barrow Area)

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

DOMINION EXPLR. & PROD., INC.

RBU #6-22F

LOCATED IN UINTAH COUNTY, UTAH
SECTION 22, T10S, R20E, S.L.B.&M.

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

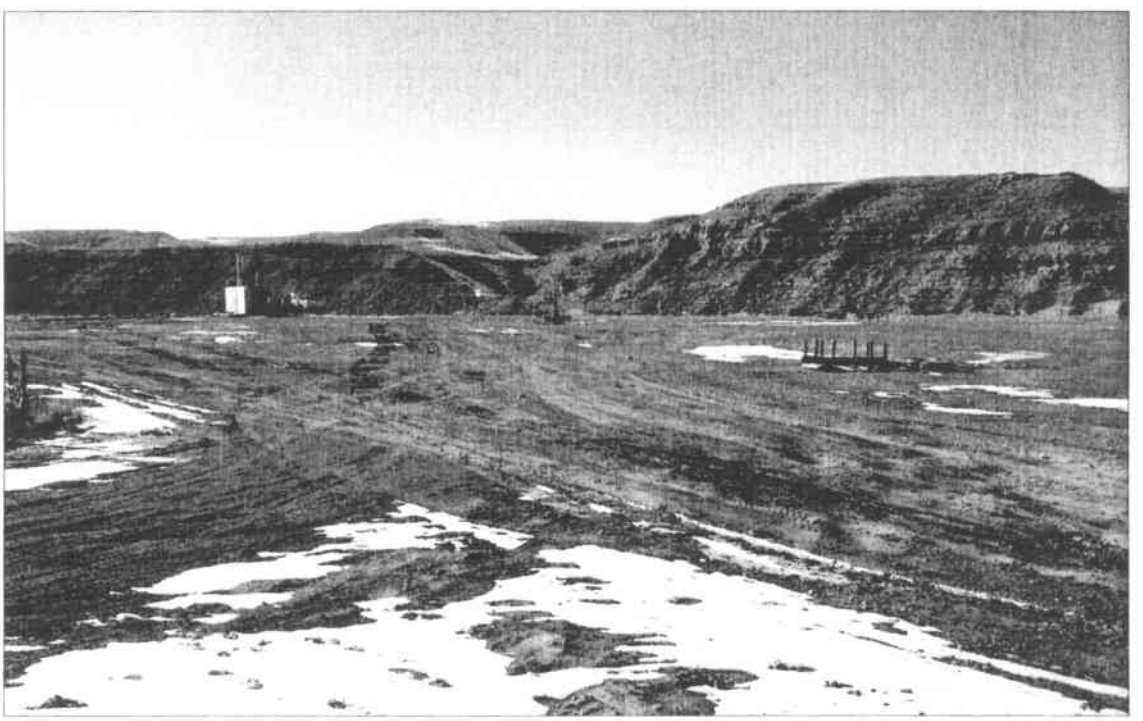
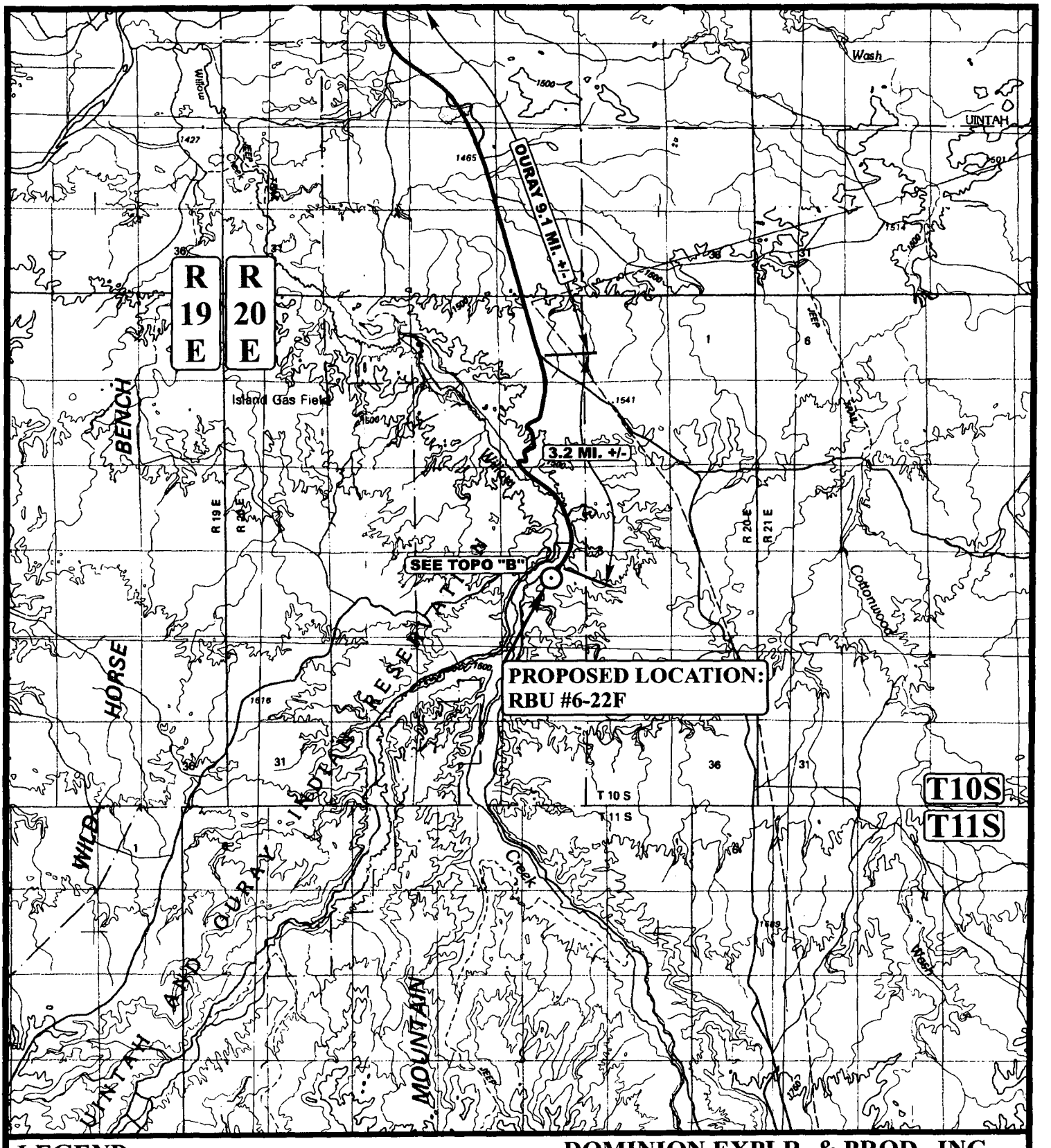


PHOTO: VIEW OF EXISTING ACCESS **CAMERA ANGLE: NORTHWESTERLY**

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

LOCATION PHOTOS	02 MONTH	21 DAY	06 YEAR	PHOTO
TAKEN BY: J.F.	DRAWN BY: C.P.	REVISED: 00-00-00		



LEGEND:

⊙ PROPOSED LOCATION

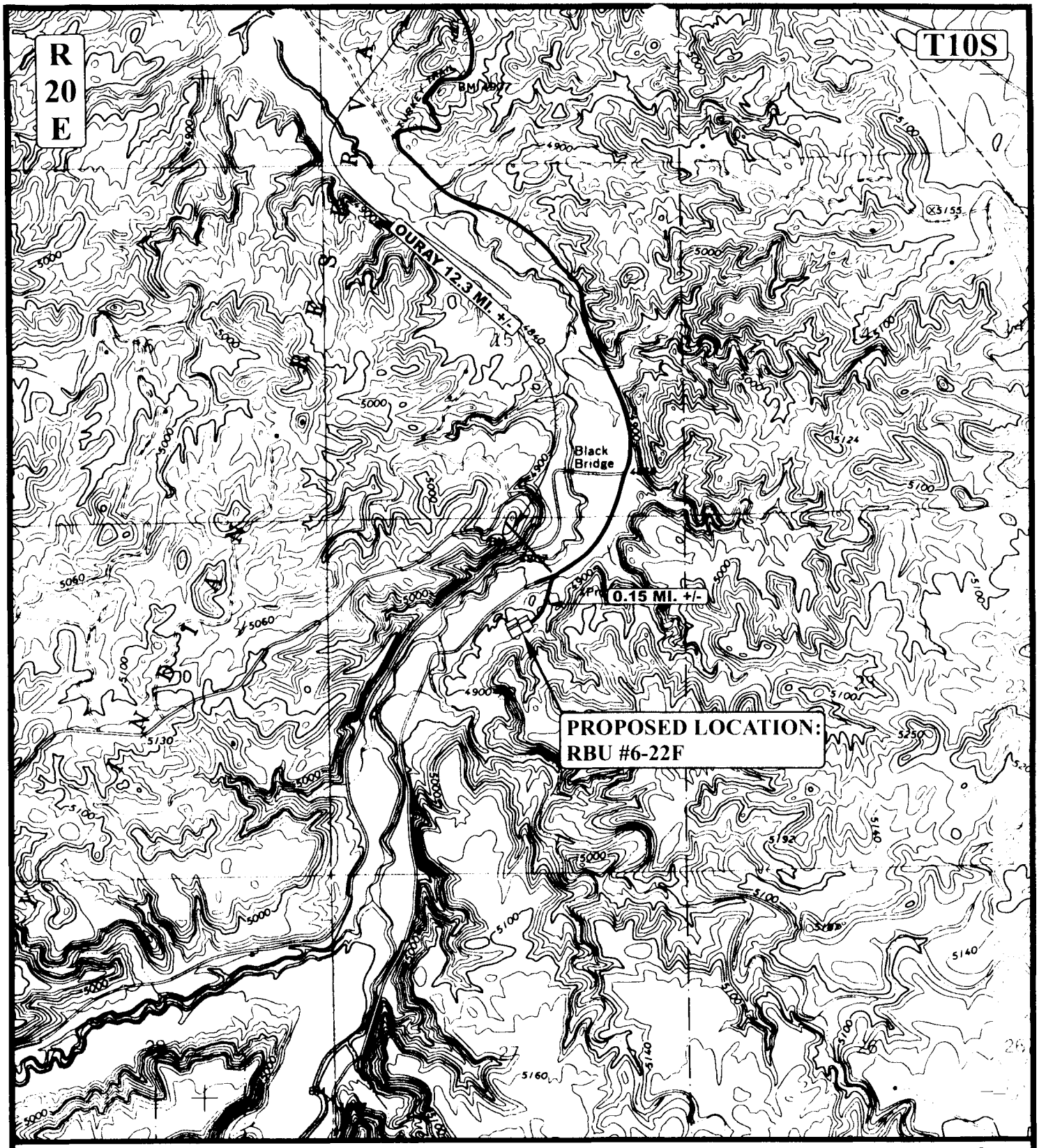
N

DOMINION EXPLR. & PROD., INC.

RBU #6-22F
SECTION 22, T10S, R20E, S.L.B.&M.
1598' FNL 2489' FEL

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

TOPOGRAPHIC MAP	02 MONTH	21 DAY	06 YEAR	A TOPO
SCALE: 1:100,000	DRAWN BY: C.P.	REVISED: 00-00-00		



LEGEND:

EXISTING ROAD

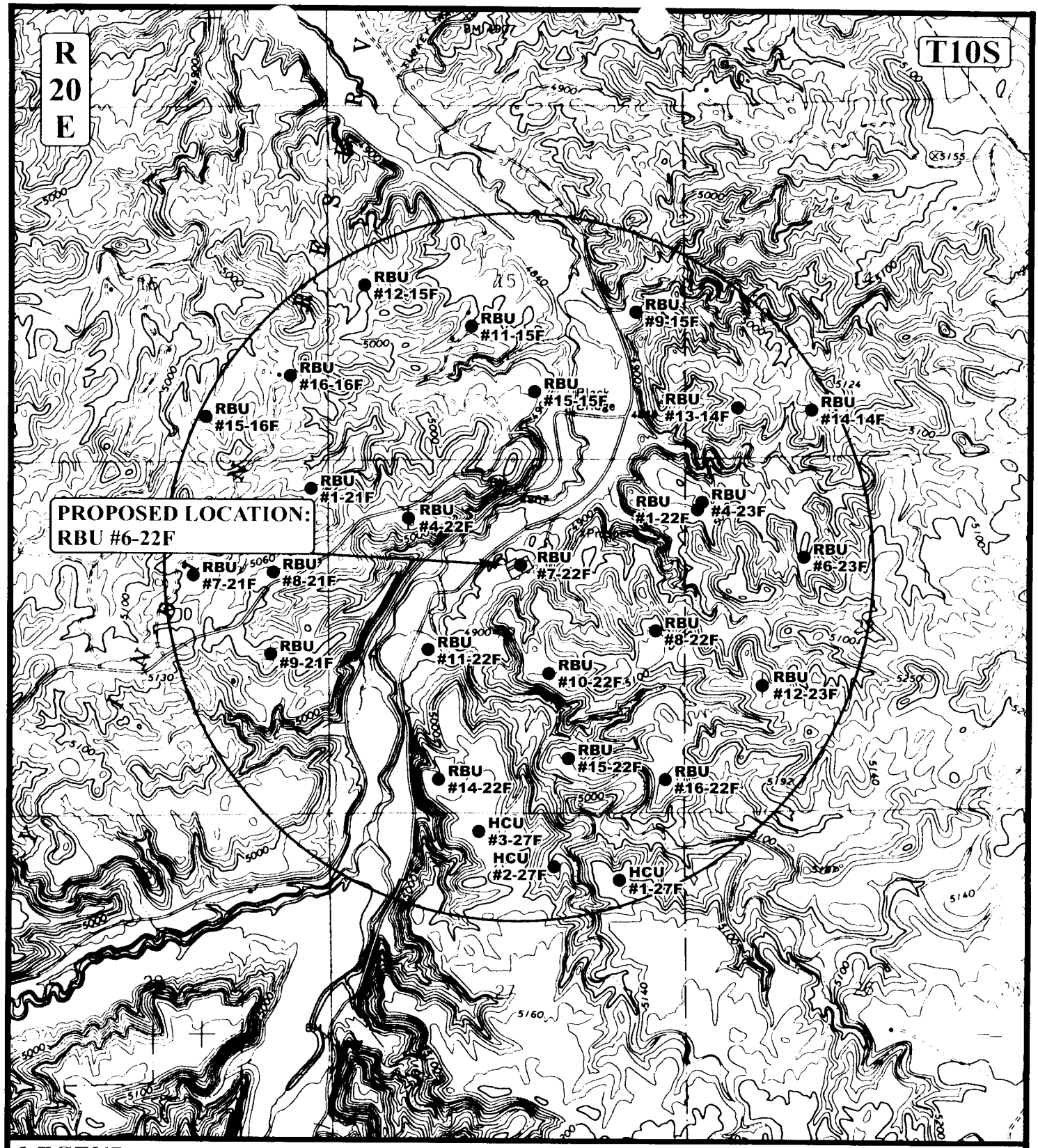
N

DOMINION EXPLR. & PROD., INC.

RBU #6-22F
SECTION 22, T10S, R20E, S.L.B.&M.
1598' FNL 2489' FEL

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

TOPOGRAPHIC MAP	02 MONTH	21 DAY	06 YEAR	B TOPO
SCALE: 1" = 2000'	DRAWN BY: C.P.	REVISED: 00-00-00		



LEGEND:

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

N

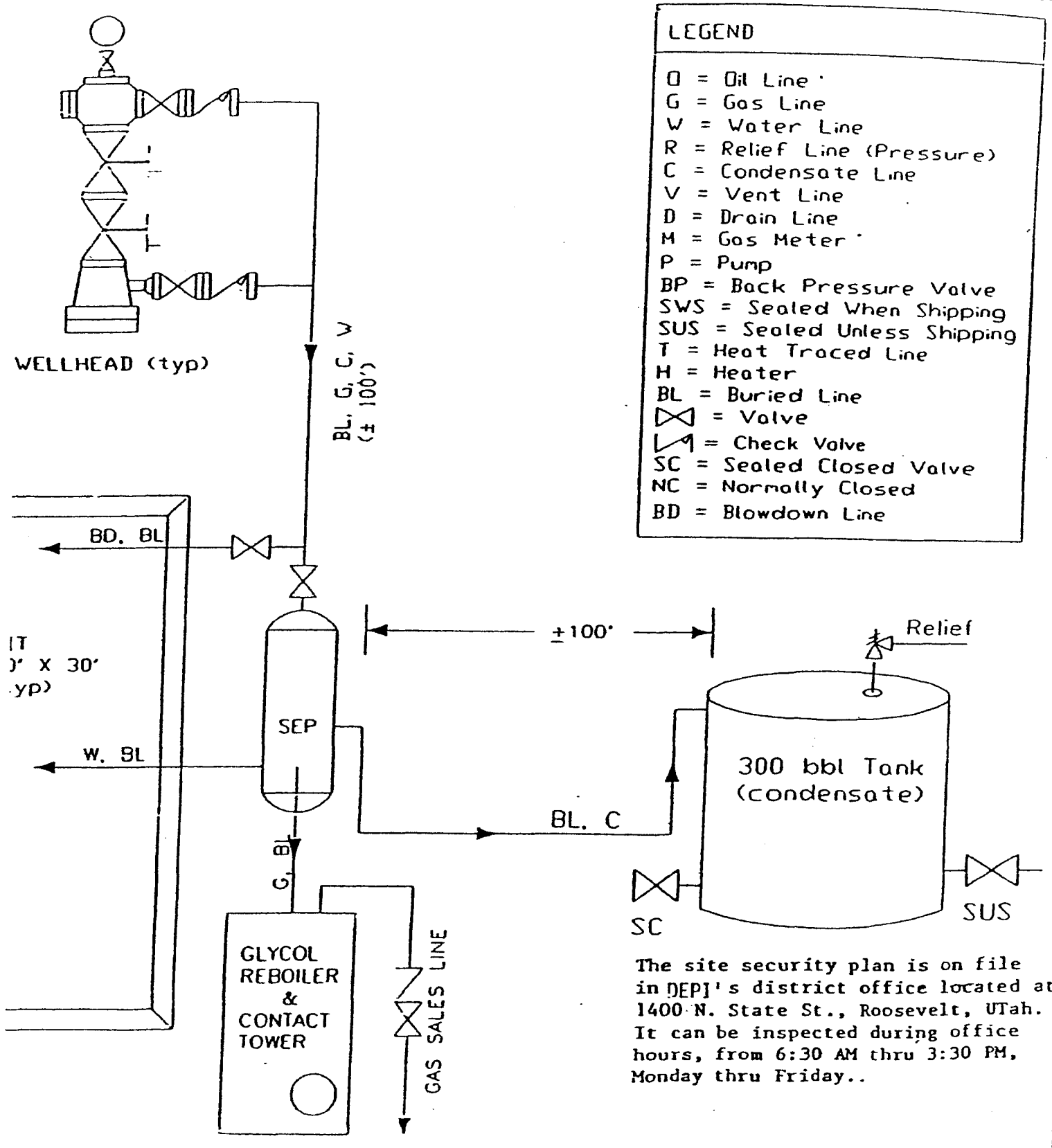
DOMINION EXPLR. & PROD., INC.

RBU #6-22F
SECTION 22, T10S, R20E, S.L.B.&M.
1598' FNL 2489' FEL

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

TOPOGRAPHIC MAP	02 MONTH	21 DAY	06 YEAR
SCALE: 1" = 2000'	DRAWN BY: C.P.	REVISED: 00-00-00	

C TOPO



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

WORKSHEET

APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 11/09/2007

API NO. ASSIGNED: 43-047-39787

WELL NAME: RBU 6-22F

OPERATOR: XTO ENERGY INC (N2615)

PHONE NUMBER: 435-722-4521

CONTACT: DON HAMILTON

PROPOSED LOCATION:

SWNE 22 100S 200E

SURFACE: 1598 FNL 2489 FEL

SENW BOTTOM: 1850 FNL 1850 FWL

COUNTY: UINTAH

LATITUDE: 39.93581 LONGITUDE: -109.6501

UTM SURF EASTINGS: 615339 NORTHINGS: 4421295

FIELD NAME: NATURAL BUTTES (630)

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

LEASE TYPE: 2 - Indian

LEASE NUMBER: 14-20-H62-2647

PROPOSED FORMATION: WSMVD

SURFACE OWNER: 2 - Indian

COALBED METHANE WELL? NO

RECEIVED AND/OR REVIEWED:

✓ Plat

✓ Bond: Fed[] Ind[2] Sta[] Fee[]
(No. UTB-000138)

N/ Potash (Y/N)

✓ Oil Shale 190-5 (B) or 190-3 or 190-13

✓ Water Permit
(No. 43-10447)

N RDCC Review (Y/N)
(Date:)

N/A Fee Surf Agreement (Y/N)

N/A Intent to Commingle (Y/N)

LOCATION AND SITING:

___ R649-2-3.

Unit: RIVER BEND

___ R649-3-2. General

Siting: 460 From Qtr/Qtr & 920' Between Wells

___ R649-3-3. Exception

✓ Drilling Unit

Board Cause No: 259-01

Eff Date: 8-18-2004

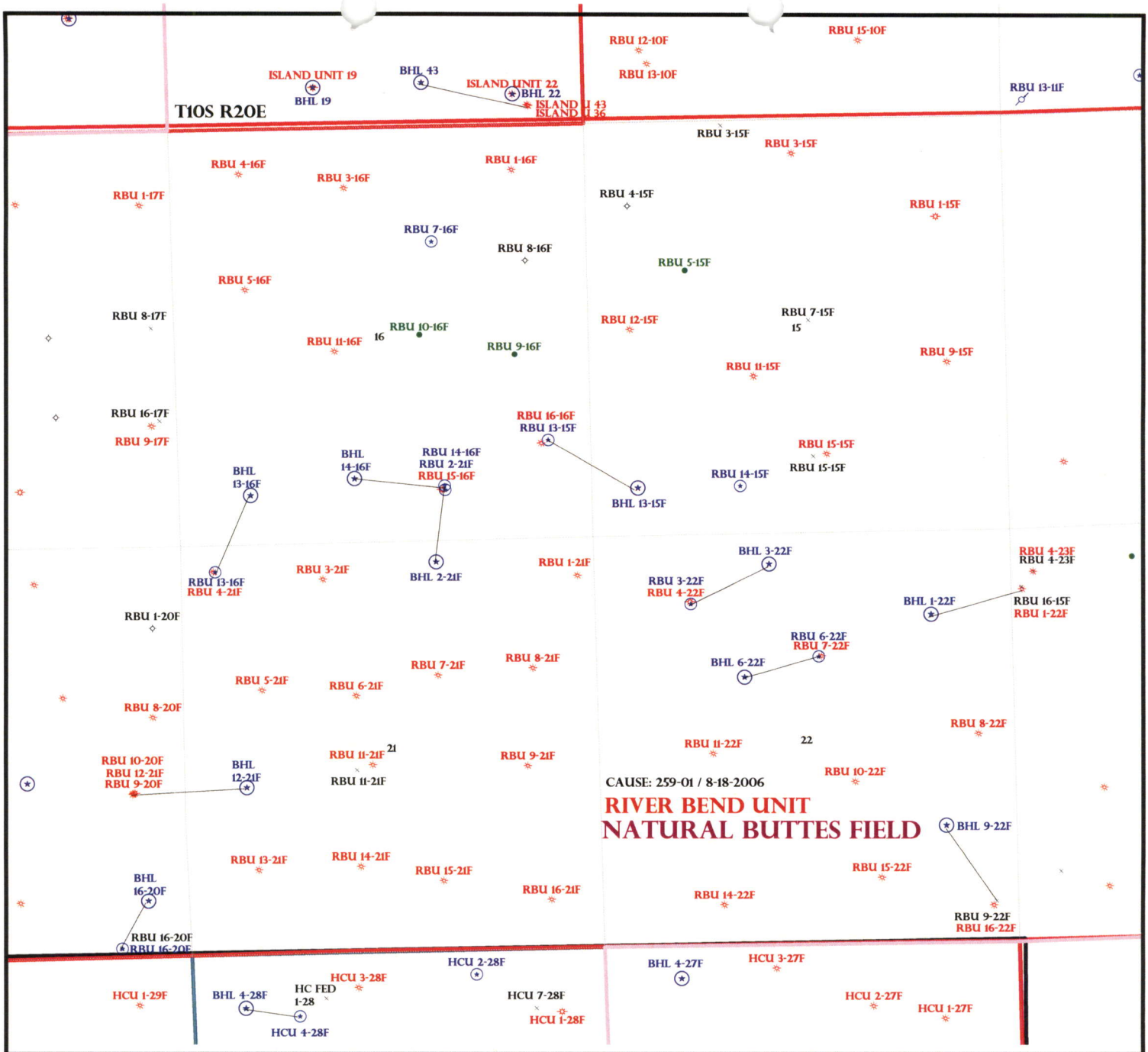
Siting: 460' fr Uboy & Uncomm Tract

X R649-3-11. Directional Drill

COMMENTS:

STIPULATIONS: 1- Federal Approval

2- OIL SHALE



OPERATOR: XTO ENERGY INC (N2615)

SEC: 16,22 T.10S R. 20E

FIELD: NATURAL BUTTES (630)

COUNTY: UINTAH

CAUSE: 259-01 / 8-18-2006

Field Status
- ABANDONED
- ACTIVE
- COMBINED
- INACTIVE
- PROPOSED
- STORAGE
- TERMINATED

Unit Status
- EXPLORATORY
- GAS STORAGE
- NF PP OIL
- NF SECONDARY
- PENDING
- PI OIL
- PP GAS
- PP GEOTHERML
- PP OIL
- SECONDARY
- TERMINATED

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

UTAH DNR
OIL, GAS & MINING

N
W E
S

PREPARED BY: DIANA MASON
DATE: 16-NOVEMBER-2007

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)

November 16, 2007

Memorandum

To: Assistant District Manager Minerals, Vernal District

From: Michael Coulthard, Petroleum Engineer

Subject: 2007 Plan of Development River Bend 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 2007 within the River Bend Unit, Uintah County, Utah.

API #	WELL NAME	LOCATION
(Proposed PZ Wasatch/MesaVerde)		
43-047-39785	RBU 13-15F	Sec 16 T10S R20E 1240 FSL 0574 FEL BHL Sec 15 T10S R20E 0600 FSL 0550 FWL
43-047-39786	RBU 03-22F	Sec 22 T10S R20E 0900 FNL 1187 FWL BHL Sec 22 T10S R20E 0400 FNL 2200 FWL
43-047-39787	RBU 06-22F	Sec 22 T10S R20E 1598 FNL 2489 FEL BHL Sec 22 T10S R20E 1850 FNL 1850 FWL

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

/s/ Michael L. Coulthard

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

MCoulthard:mc:11-16-07

JON M. HUNTSMAN, JR.
Governor

GARY R. HERBERT
Lieutenant Governor

State of Utah
DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil Gas and Mining

JOHN R. BAZA
Division Director

November 19, 2007

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

Re: RBU 6-22F Well, Surface Location 1598' FNL, 2489' FEL, SW NE, Sec. 22, T. 10 South, R. 20 East, Bottom Location 1850' FNL, 1850' FWL, SE NW, Sec. 22, T. 10 South, R. 20 East, Uintah County, Utah

Gentlemen:

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

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-047-39787.

Sincerely,

for Gil Hunt
Associate Director

pab
Enclosures

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

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

UTAH DNR OIL, GAS & MINING

Operator: XTO Energy, Inc.

Well Name & Number RBU 6-22F

API Number: 43-047-39787

Lease: 14-20-H62-2647

Surface Location:	SW NE	**Sec.** 22	**T.** 10 South	**R.** 20 East
Bottom Location:	SE NW	**Sec.** 22	**T.** 10 South	**R.** 20 East

Conditions of Approval

1. **General**

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

2. **Notification Requirements**

   Notify the Division with 24 hours of spudding the well.

   - Contact Carol Daniels at (801) 538-5284.

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

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

3. **Reporting Requirements**

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

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

5. In accordance with Utah Admin. R.649-3-11, Directional Drilling, the operator shall submit a complete angular deviation and directional survey report to the Division within 30 days following completion of the well.

6 In accordance with Order in Cause No. 190-5(b) dated October 28, 1982, the Operator shall comply with requirements of Rules R649-3-31 and R649-3-27 pertaining to Designated Oil Shale Areas. Additionally, the operator shall ensure that the surface and/or production casing is properly cemented over the entire oil shale interval as defined by Rule R649-3-31. The Operator shall report the actual depth the oil shale is encountered to the Division.

B&A Buys & Associates, Inc.
Environmental Consultants

2580 Creekview Road
Moab, Utah 84532
435/719-2018 435/719-2019 Fax

November 15, 2007

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

RE: Updated Plats for Recently Submitted APD's - XTO Energy, Inc.
- RBU 13-15F
- RBU 3-22F
- RBU 6-22F 43-047-39787
- Love 3-20G
- Love 5-21G

Dear Fluid Minerals Group:

On behalf of XTO Energy, Buys & Associates, Inc. respectfully submits the enclosed original and three copies of the above referenced plat packages to replace those previously submitted within the Applications for Permit to Drill (APD's) submitted October 9, 2007. The plat packages reflect XTO Energy, Inc. as the operator and are otherwise unchanged.

Please feel free to contact myself or Ken Secrest of XTO Energy at 435-722-4521 if you have any questions or need additional information.

Sincerely,

Don Hamilton

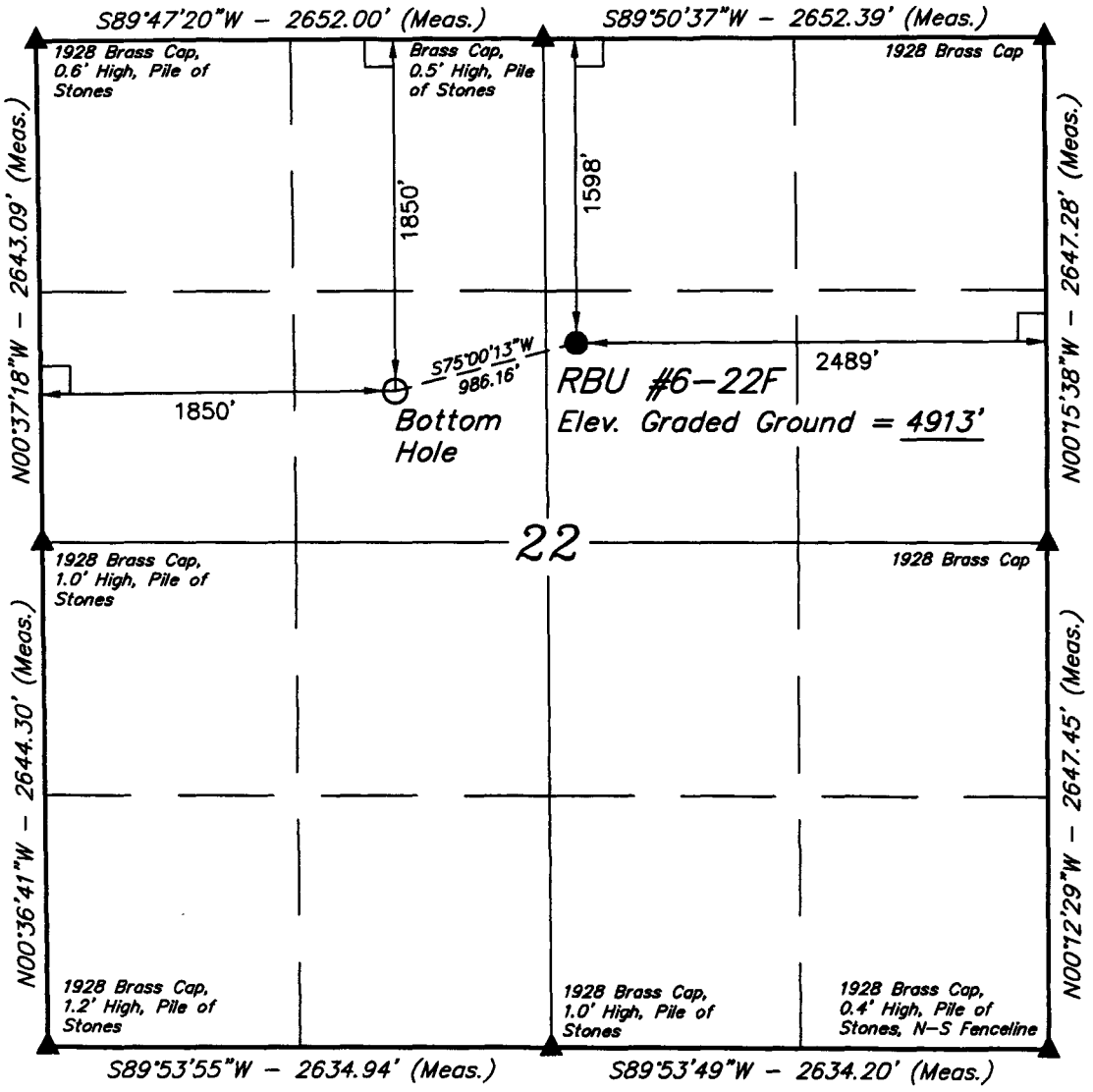
Don Hamilton
Agent for XTO Energy

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

cc: Diana Mason, Division of Oil, Gas and Mining
Ken Secrest, XTO Energy

FILE COPY

T10S, R20E, S.L.B.&M.

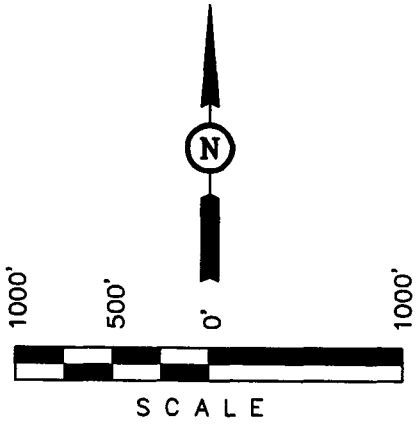


XTO ENERGY, INC.

Well location, RBU #6-22F, located as shown in the SW 1/4 NE 1/4 of Section 22, T10S, R20E, S.L.B.&M. Uintah County Utah.

BASIS OF ELEVATION

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



CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE 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

REVISED: 11-06-07 L.K.

BASIS OF BEARINGS

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

(NAD 83)
LATITUDE = 39°56'08.92" (39.935811)
LONGITUDE = 109°39'02.86" (109.650794)
(NAD 27)
LATITUDE = 39°56'09.05" (39.935847)
LONGITUDE = 109°39'00.37" (109.650103)

LEGEND:

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

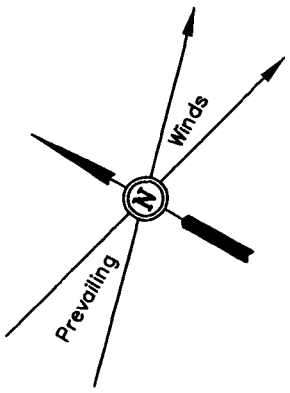
UINTAH ENGINEERING & LAND SURVEYING
85 SOUTH 200 EAST - VERNAL, UTAH 84078
(435) 789-1017

SCALE	DATE SURVEYED:	DATE DRAWN:
1" = 1000'	1-30-06	2-23-06
PARTY: J.F. C.B. K.G.	REFERENCES: G.L.O. PLAT	
WEATHER: COLD	FILE: XTO ENERGY, INC	

XTO ENERGY, INC.

LOCATION LAYOUT FOR

RBU #6-22F
SECTION 22, T10S, R20E, S.L.B.&M.
1598' FNL 2489' FEL



SCALE: 1" = 50'
DATE: 2-28-06
Drawn By: K.G.
REVISED: 11-06-07 L.K.

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

Existing Road
Existing 6" Pipeline
F-1.8' El. 911.3'
C-1.0' El. 914.1'
65'
Sta. 3+55
F-0.6' El. 912.5'
DATA
Existing Riser
Existing RBU #7-22F Pad
150'
Anchor (Typ.)
CATWALK
Existing 4" Pipeline
PIPE RACKS
Approx. Toe of Fill Slope
FLARE PIT
El. 909.3'
F-3.8'
20' WIDE BENCH
El. 907.6'
C-4.5' (btm. pit)
El. 913.0'
F-0.1'
Existing RBU #7-22F
C-0.4' El. 913.5'
75'
35'
15'
25.14'
N80°16'33"E
RIG
DOG HOUSE
135'
Sta. 1+80
LOC
GRADE El. 913.1'
El. 912.6'
F-0.5'
Total Pit Capacity W/2' of Freeboard = 12,630 Bbls. ± Total Pit Volume = 3,500 Cu. Yds.
Slope = 1-1/2:1
MUD TANKS
WATER
PUMP
MUD SHED
HOPPER
POWER
TRASH
TOOLS
FUEL
TRAILER
TOILET
FUEL
Existing Tank
Facility Building
Existing 4" Pipeline
Existing Berm
Reserve Pit Backfill & Spoils Stockpile
10' WIDE BENCH/DIKE
180'
RESERVE PITS (10' Deep)
Slope = 1-1/2:1
Sta. 0+50
F-3.8' El. 909.3'
180'
STORAGE TANK
F-2.9' El. 910.2'
Round Corners as Needed
Sta. 0+00
El. 907.9'
C-4.8' (btm. pit)
20' WIDE BENCH
15'
Topsoil Stockpile
Approx. Top of Cut Slope
F-3.9' El. 909.2'
C-5.0' El. 918.1'

REGISTERED LAND SURVEYOR No. 161319 STATE OF UTAH

Elev. Graded Ground at Location Stake = 4913.1'

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

XTO ENERGY, INC.

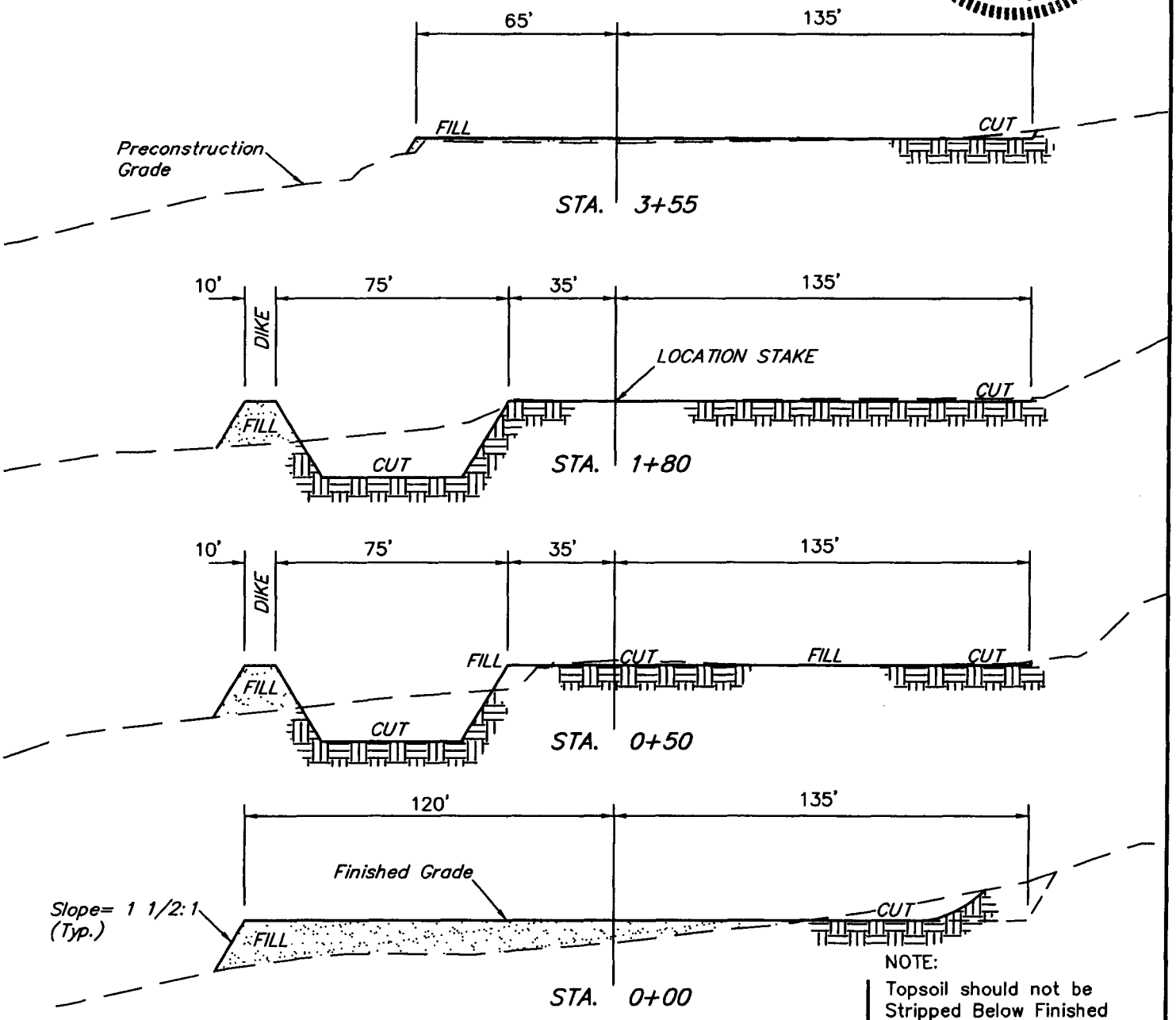
TYPICAL CROSS SECTIONS FOR

RBU #6-22F
SECTION 22, T10S, R20E, S.L.B.&M.
1598' FNL 2489' FEL

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

DATE: 2-28-06
Drawn By: K.G.
REVISED: 11-06-07 L.K.

REGISTERED LAND SURVEYOR No. 161319 STATE OF UTAH



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

APPROXIMATE YARDAGES

* NOTE:
FILL QUANTITY INCLUDES 5% FOR COMPACTION

CUT

(12") Topsoil Stripping = 1,010 Cu. Yds.
(New Construction Only)

Remaining Location = 1,870 Cu. Yds.

TOTAL CUT = 2,880 CU.YDS.

FILL = 2,750 CU.YDS.

EXCESS MATERIAL = 130 Cu. Yds.

Topsoil & Pit Backfill (1/2 Pit Vol.) = 2,760 Cu. Yds.

EXCESS UNBALANCE (After Rehabilitation) =<2,630>Cu. Yds.

(Obtain Deficit Material From Approved Borrow Area)

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

XTO ENERGY, INC.

RBU #6-22F

LOCATED IN UINTAH COUNTY, UTAH
SECTION 22, T10S, R20E, S.L.B.&M.

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

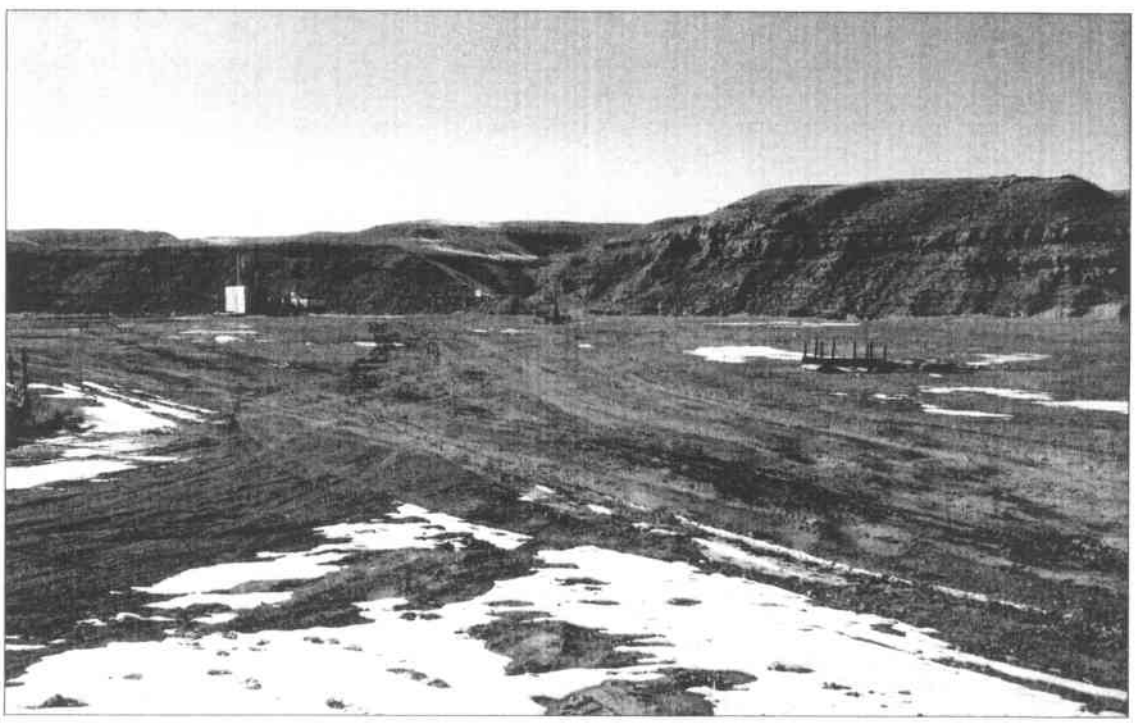
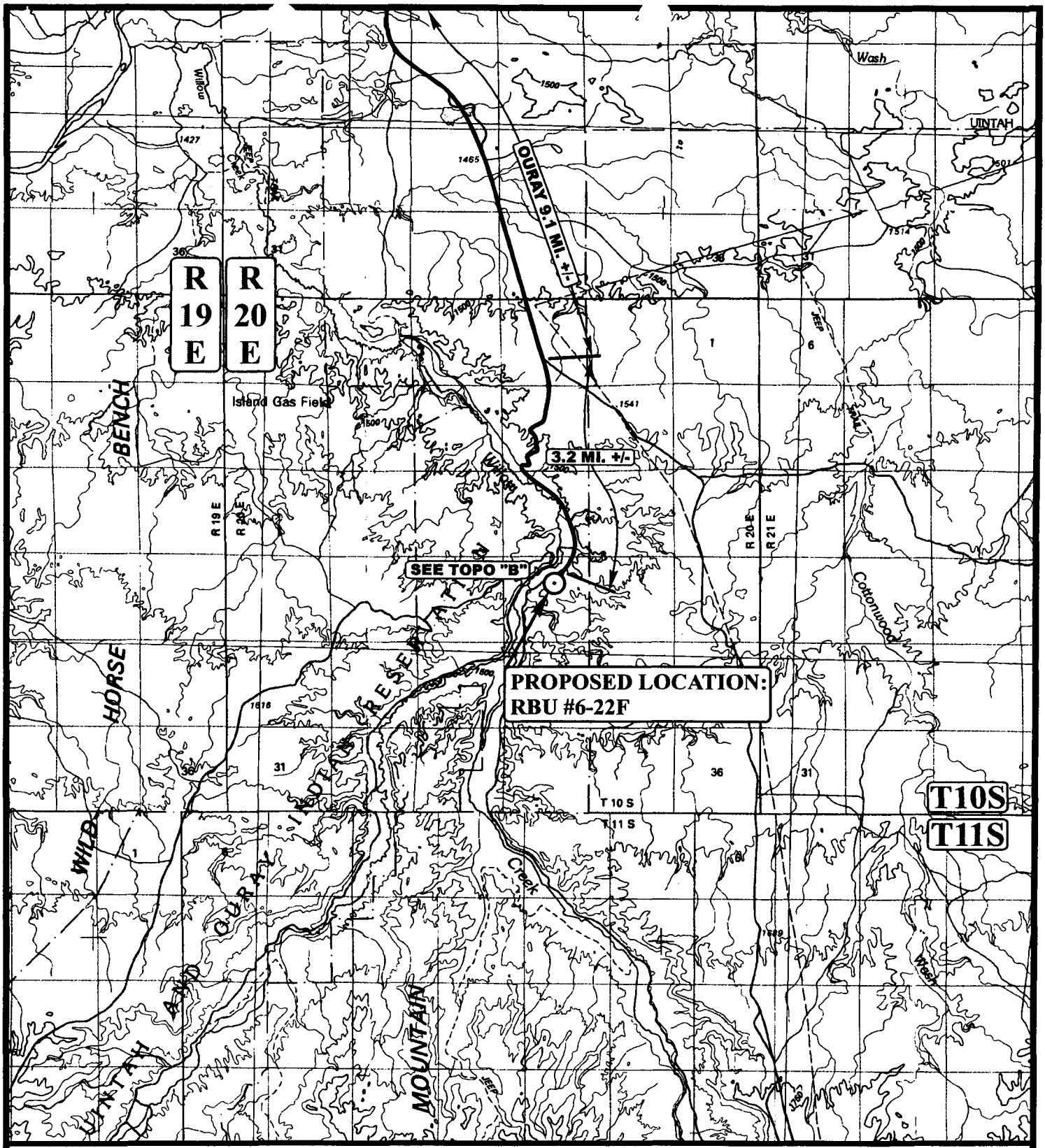


PHOTO: VIEW OF EXISTING ACCESS **CAMERA ANGLE: NORTHWESTERLY**

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

LOCATION PHOTOS	02 MONTH	21 DAY	06 YEAR	PHOTO
TAKEN BY: J.F.	DRAWN BY: C.P.	REV: 11-06-07 Z.L.		



LEGEND:

⊙ PROPOSED LOCATION

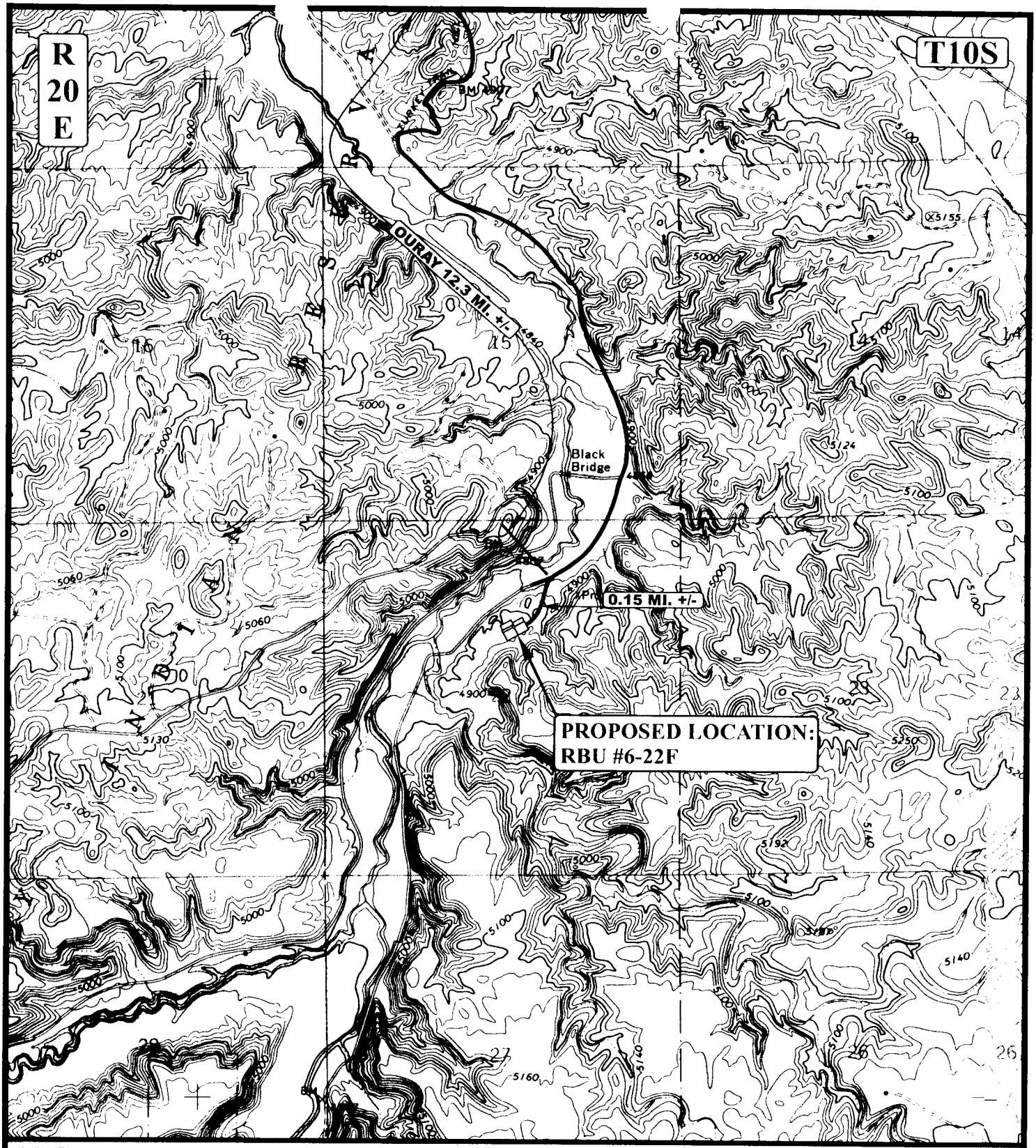
N

XTO ENERGY, INC.

RBU #6-22F
SECTION 22, T10S, R20E, S.L.B.&M.
1598' FNL 2489' FEL

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

TOPOGRAPHIC MAP	02 MONTH	21 DAY	06 YEAR
SCALE: 1:100,000	DRAWN BY: C.P.	REV: 11-06-07 Z.L.	A TOPO



LEGEND:

EXISTING ROAD

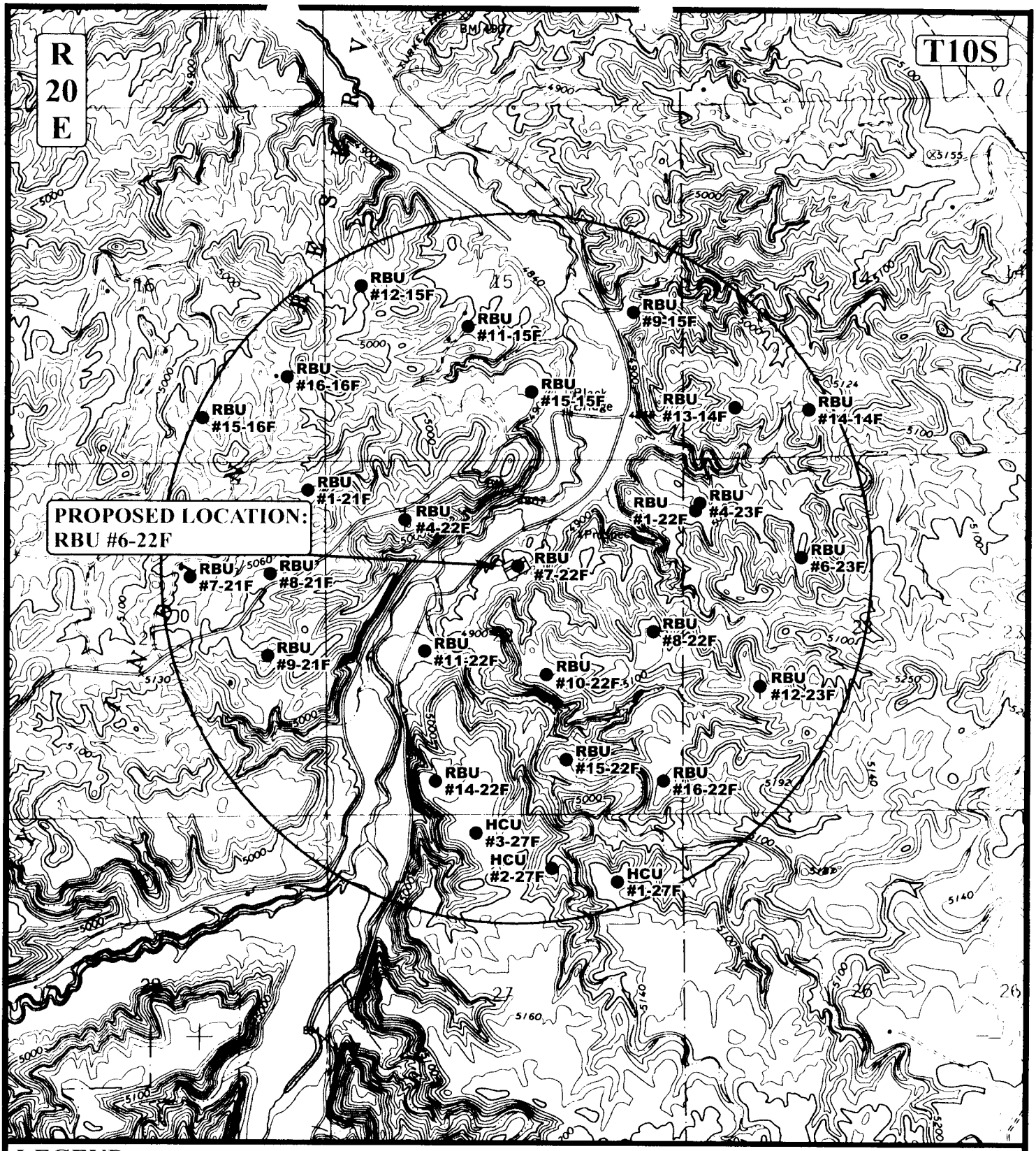
N

XTO ENERGY, INC.

RBU #6-22F
SECTION 22, T10S, R20E, S.L.B.&M.
1598' FNL 2489' FEL

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

TOPOGRAPHIC MAP	02 MONTH	21 DAY	06 YEAR	B TOPO
SCALE: 1" = 2000'	DRAWN BY: C.P.	REV: 11-06-07 Z.L.		



LEGEND:

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

N

XTO ENERGY, INC.

RBU #6-22F
SECTION 22, T10S, R20E, S.I.L.B.&M.
1598' FNL 2489' FEL

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

TOPOGRAPHIC MAP	02 MONTH	21 DAY	06 YEAR
SCALE: 1" = 2000'	DRAWN BY: C.P.	REV: 11-06-07 Z.L.	C TOPO

XTO ENERGY, INC.
RBU #6-22F
SECTION 22, T10S, 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 3.2 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTH; TURN LEFT AND PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 0.15 MILES TO THE PROPOSED LOCATION.

TOTAL DISTANCE FROM VERNAL, UTAH TO THE PROPOSED WELL LOCATION IS APPROXIMATELY 43.45 MILES.

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

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

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

5. LEASE DESIGNATION AND SERIAL NUMBER: BIA-14-20-H62-2647

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

7. UNIT or CA AGREEMENT NAME: River Bend Unit

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

8. WELL NAME and NUMBER: RBU 6-22F

2. NAME OF OPERATOR: XTO Energy, Inc.

9. API NUMBER: 4304739787

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

PHONE NUMBER: (435) 722-4521

10. FIELD AND POOL, OR WILDCAT: Undesignated

4. LOCATION OF WELL

FOOTAGES AT SURFACE: 1,598' FNL & 2,489' FEL

COUNTY: Uintah

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: 22 10S 20E S

STATE: UTAH

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

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

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

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

This is the first extension that has been requested.

Approved by the
Utah Division of
Oil, Gas and Mining

Date: 10/30/08

By: D. James

NAME (PLEASE PRINT) Kendell Johnson TITLE Agent for XTO Energy, Inc.

SIGNATURE Kendell Johnson DATE 9/22/2008

(This space for State use only)

(5/2000)

COPY SENT TO OPERATOR

Date: 10.30.2008

Initials: KS

(See Instructions on Reverse Side)

RECEIVED
OCT 27 2008
DIV OF OIL, GAS & MINING

[redacted]

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

API: 4304739787
Well Name: RBU 6-22F
Location: 1,598' FNL & 2,489' FEL Sec. 22, 10S-20E
Company Permit Issued to: XTO Energy, Inc.
Date Original Permit Issued: 11/19/2007

The undersigned as owner with legal rights to drill on the property as permitted above, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision.

Following is a checklist of some items related to the application, which should be verified.

If located on private land, has the ownership changed, if so, has the surface agreement been updated? Yes☐No☑

Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location? Yes☐No☑

Has there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well? Yes☐No☑

Have there been any changes to the access route including ownership, or right-of-way, which could affect the proposed location? Yes☐No☑

Has the approved source of water for drilling changed? Yes☐No☑

Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation? Yes☐No☑

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

Kendell Johnson
Signature

9/22/2008
Date

Title: Kendell Johnson

Representing: XTO Energy, Inc.

API Well No: 43047397870000

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

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

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

5.LEASE DESIGNATION AND SERIAL NUMBER: 14-20-H62-2647

6. IF INDIAN, ALLOTTEE OR TRIBE NAME: UTE

7.UNIT or CA AGREEMENT NAME: RIVER BEND

1. TYPE OF WELL Gas Well

8. WELL NAME and NUMBER: RBU 6-22F

2. NAME OF OPERATOR: XTO ENERGY INC

9. API NUMBER: 43047397870000

3. ADDRESS OF OPERATOR: 382 Road 3100 , Aztec, NM, 87410

PHONE NUMBER: 505 333-3159 Ext

9. FIELD and POOL or WILDCAT: NATURAL BUTTES

4. LOCATION OF WELL
FOOTAGES AT SURFACE: 1598 FNL 2489 FEL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWNE Section: 22 Township: 10.0S Range: 20.0E Meridian: S

COUNTY: UINTAH

STATE: UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
✓ NOTICE OF INTENT Approximate date work will start: 10/30/2010	☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
☐ SUBSEQUENT REPORT Date of Work Completion:	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
☐ SPUD REPORT Date of Spud:	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
☐ DRILLING REPORT Report Date:	☐ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	✓ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	☐ OTHER	OTHER:

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

XTO hereby requests a one year extension on the State permit for the referenced well.

Approved by the Utah Division of Oil, Gas and Mining

Date: October 26, 2009

By:

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Eden Fine	505 333-3664	Permitting Clerk
SIGNATURE		**DATE**
N/A		10/22/2009

RECEIVED October 22, 2009

The Utah Division of Oil, Gas, and Mining

- State of Utah
- Department of Natural Resources

Electronic Permitting System - Sundry Notices

Request for Permit Extension Validation Well Number 43047397870000

API: 43047397870000
Well Name: RBU 6-22F
Location: 1598 FNL 2489 FEL QTR SWNE SEC 22 TWNP 100S RNG 200E MER S
Company Permit Issued to: XTO ENERGY INC
Date Original Permit Issued: 11/19/2007

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

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

Approved by the Utah Division of Oil, Gas and Mining

Signature: Eden Fine **Date:** 10/22/2009
Title: Permitting Clerk **Representing:** XTO ENERGY INC

Date: October 26, 2009
By:

RECEIVED October 22, 2009

API Well No: 43047397870000

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

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

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

5.LEASE DESIGNATION AND SERIAL NUMBER: 14-20-H62-2647

6. IF INDIAN, ALLOTTEE OR TRIBE NAME: UTE

7.UNIT or CA AGREEMENT NAME: RIVER BEND

1. TYPE OF WELL Gas Well

8. WELL NAME and NUMBER: RBU 6-22F

2. NAME OF OPERATOR: XTO ENERGY INC

9. API NUMBER: 43047397870000

3. ADDRESS OF OPERATOR: 382 Road 3100 , Aztec, NM, 87410

PHONE NUMBER: 505 333-3159 Ext

9. FIELD and POOL or WILDCAT: NATURAL BUTTES

4. LOCATION OF WELL
FOOTAGES AT SURFACE: 1598 FNL 2489 FEL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWNE Section: 22 Township: 10.0S Range: 20.0E Meridian: S

COUNTY: UINTAH

STATE: UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
✓ NOTICE OF INTENT Approximate date work will start: 11/8/2011	☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
☐ SUBSEQUENT REPORT Date of Work Completion:	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
☐ SPUD REPORT Date of Spud:	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
☐ DRILLING REPORT Report Date:	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
	☐ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	✓ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	☐ OTHER	OTHER:

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

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

Approved by the Utah Division of Oil, Gas and Mining

Date: November 08, 2010

By:

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Krista Wilson	505 333-3647	Permitting Tech
SIGNATURE N/A		**DATE** 11/8/2010

RECEIVED November 08, 2010

The Utah Division of Oil, Gas, and Mining

- State of Utah
- Department of Natural Resources

Electronic Permitting System - Sundry Notices

Request for Permit Extension Validation Well Number 43047397870000

API: 43047397870000
Well Name: RBU 6-22F
Location: 1598 FNL 2489 FEL QTR SWNE SEC 22 TWNP 100S RNG 200E MER S
Company Permit Issued to: XTO ENERGY INC
Date Original Permit Issued: 11/19/2007

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

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

Approved by the Utah Division of Oil, Gas and Mining

Signature: Krista Wilson **Date:** 11/8/2010
Title: Permitting Tech **Representing:** XTO ENERGY INC

Date: November 08, 2010
By: Dolly Hill

RECEIVED November 08, 2010

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

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

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

5.LEASE DESIGNATION AND SERIAL NUMBER: 14-20-H62-2647

6. IF INDIAN, ALLOTTEE OR TRIBE NAME: UTE

7.UNIT or CA AGREEMENT NAME: RIVER BEND

1. TYPE OF WELL Gas Well

8. WELL NAME and NUMBER: RBU 6-22F

2. NAME OF OPERATOR: XTO ENERGY INC

9. API NUMBER: 43047397870000

3. ADDRESS OF OPERATOR: 382 Road 3100 , Aztec, NM, 87410

PHONE NUMBER: 505 333-3159 Ext

9. FIELD and POOL or WILDCAT: NATURAL BUTTES

4. LOCATION OF WELL
FOOTAGES AT SURFACE: 1598 FNL 2489 FEL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWNE Section: 22 Township: 10.0S Range: 20.0E Meridian: S

COUNTY: UINTAH

STATE: UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
✓ NOTICE OF INTENT Approximate date work will start: 11/15/2012	☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
☐ SUBSEQUENT REPORT Date of Work Completion:	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
☐ SPUD REPORT Date of Spud:	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
	☐ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
☐ DRILLING REPORT Report Date:	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	✓ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	☐ OTHER	OTHER:

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

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

Approved by the Utah Division of Oil, Gas and Mining

Date: 11/23/2011

By: [signature]

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Krista Wilson	505 333-3647	Permitting Tech
SIGNATURE N/A		**DATE** 11/15/2011

RECEIVED Nov. 15, 2011

The Utah Division of Oil, Gas, and Mining

- State of Utah
- Department of Natural Resources

Electronic Permitting System - Sundry Notices

Request for Permit Extension Validation Well Number 43047397870000

API: 43047397870000
Well Name: RBU 6-22F
Location: 1598 FNL 2489 FEL QTR SWNE SEC 22 TWNP 100S RNG 200E MER S
Company Permit Issued to: XTO ENERGY INC
Date Original Permit Issued: 11/19/2007

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

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

Signature: Krista Wilson **Date:** 11/15/2011
Title: Permitting Tech **Representing:** XTO ENERGY INC

RECEIVED Nov. 15, 2011

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

FORM 9

5.LEASE DESIGNATION AND SERIAL NUMBER: 14-20-H62-2647

SUNDRY NOTICES AND REPORTS ON WELLS

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

6. IF INDIAN, ALLOTTEE OR TRIBE NAME: UTE

7.UNIT or CA AGREEMENT NAME: RIVER BEND

1. TYPE OF WELL Gas Well

8. WELL NAME and NUMBER: RBU 6-22F

2. NAME OF OPERATOR: XTO ENERGY INC

9. API NUMBER: 43047397870000

3. ADDRESS OF OPERATOR: PO Box 6501 , Englewood, CO, 80155

PHONE NUMBER: 303 397-3727 Ext

9. FIELD and POOL or WILDCAT: NATURAL BUTTES

4. LOCATION OF WELL
FOOTAGES AT SURFACE: 1598 FNL 2489 FEL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWNE Section: 22 Township: 10.0S Range: 20.0E Meridian: S

COUNTY: UINTAH

STATE: UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
✓ NOTICE OF INTENT Approximate date work will start: 9/30/2013	☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
☐ SUBSEQUENT REPORT Date of Work Completion:	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
☐ SPUD REPORT Date of Spud:	☐ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
☐ DRILLING REPORT Report Date:	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	✓ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	☐ OTHER	OTHER:

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

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

Approved by the Utah Division of Oil, Gas and Mining

Date: November 21, 2012

By:

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Richard L. Redus	303 397-3712	Regulatory
SIGNATURE N/A		**DATE** 11/16/2012

RECEIVED: Nov. 16, 2012

The Utah Division of Oil, Gas, and Mining

- State of Utah
- Department of Natural Resources

Electronic Permitting System - Sundry Notices

Request for Permit Extension Validation Well Number 43047397870000

API: 43047397870000
Well Name: RBU 6-22F
Location: 1598 FNL 2489 FEL QTR SWNE SEC 22 TWNP 100S RNG 200E MER S
Company Permit Issued to: XTO ENERGY INC
Date Original Permit Issued: 11/19/2007

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

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

Signature: Richard L. Redus **Date:** 11/16/2012
Title: Regulatory **Representing:** XTO ENERGY INC

RECEIVED: Nov. 16, 2012

United States Department of the Interior

BUREAU OF LAND MANAGEMENT
Green River District
Vernal Field Office
170 South 500 East
Vernal, UT 84078
http://www.blm.gov/ut/st/en/fo/vernal.html

February 25, 2013

IN REPLY REFER TO:
3160 (UTG011)

43-047-39787

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

Re: Request to Return APD
Well No. RBU 6-22F
SWNE, Sec. 22, T10S, R20E
Uintah County, Utah
Lease No. 14-20-H62-2647
River Bend Unit

Dear Mr. Redus:

The Application for Permit to Drill (APD) for the above referenced well received in this office on November 9, 2007, is being returned unapproved per your request to this office in an email message to Natural Resource Specialist David Gordon received on January 10, 2013. If you intend to drill at this location at a future date, a new APD must be submitted.

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

Sincerely,

/s/ Jerry Kenczka

Jerry Kenczka
Assistant Field Manager
Lands & Resource Minerals

RECEIVED
MAR 2 2 2013
DIV. OF OIL, GAS & MINING

Enclosures

cc: UDOGM

bcc: Well File
Don Hamilton

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

FORM 9

5.LEASE DESIGNATION AND SERIAL NUMBER: 14-20-H62-2647

SUNDRY NOTICES AND REPORTS ON WELLS

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

6. IF INDIAN, ALLOTTEE OR TRIBE NAME: UTE

7.UNIT or CA AGREEMENT NAME: RIVER BEND

1. TYPE OF WELL Gas Well

8. WELL NAME and NUMBER: RBU 6-22F

2. NAME OF OPERATOR: XTO ENERGY INC

9. API NUMBER: 43047397870000

3. ADDRESS OF OPERATOR: PO Box 6501 , Englewood, CO, 80155

PHONE NUMBER: 303 397-3727 Ext

9. FIELD and POOL or WILDCAT: NATURAL BUTTES

4. LOCATION OF WELL
FOOTAGES AT SURFACE: 1598 FNL 2489 FEL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWNE Section: 22 Township: 10.0S Range: 20.0E Meridian: S

COUNTY: UINTAH

STATE: UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
✓ NOTICE OF INTENT Approximate date work will start: 7/11/2014	☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
☐ SUBSEQUENT REPORT Date of Work Completion:	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
☐ SPUD REPORT Date of Spud:	☐ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
☐ DRILLING REPORT Report Date:	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	✓ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	☐ OTHER	OTHER:

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

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

Approved by the Utah Division of Oil, Gas and Mining

Date: November 05, 2013

By:

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Sephra Baca	719 845-2103	Regulatory Analyst
SIGNATURE N/A		**DATE** 11/4/2013

RECEIVED: Nov. 04, 2013

The Utah Division of Oil, Gas, and Mining

- State of Utah
- Department of Natural Resources

Electronic Permitting System - Sundry Notices

Request for Permit Extension Validation Well Number 43047397870000

API: 43047397870000
Well Name: RBU 6-22F
Location: 1598 FNL 2489 FEL QTR SWNE SEC 22 TWNP 100S RNG 200E MER S
Company Permit Issued to: XTO ENERGY INC
Date Original Permit Issued: 11/19/2007

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

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

Signature: Sephra Baca **Date:** 11/4/2013
Title: Regulatory Analyst **Representing:** XTO ENERGY INC

RECEIVED: Nov. 04, 2013

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

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

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

5.LEASE DESIGNATION AND SERIAL NUMBER: 14-20-H62-2647

6. IF INDIAN, ALLOTTEE OR TRIBE NAME: UTE

7.UNIT or CA AGREEMENT NAME: RIVER BEND

1. TYPE OF WELL Gas Well

8. WELL NAME and NUMBER: RBU 6-22F

2. NAME OF OPERATOR: XTO ENERGY INC

9. API NUMBER: 43047397870000

3. ADDRESS OF OPERATOR: PO Box 6501 , Englewood, CO, 80155

PHONE NUMBER: 303 397-3727 Ext

9. FIELD and POOL or WILDCAT: NATURAL BUTTES

4. LOCATION OF WELL
FOOTAGES AT SURFACE: 1598 FNL 2489 FEL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWNE Section: 22 Township: 10.0S Range: 20.0E Meridian: S

COUNTY: UINTAH

STATE: UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
✓ NOTICE OF INTENT Approximate date work will start: 10/31/2015	☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
☐ SUBSEQUENT REPORT Date of Work Completion:	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
☐ SPUD REPORT Date of Spud:	☐ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
☐ DRILLING REPORT Report Date:	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	✓ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	☐ OTHER	OTHER:

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

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

Approved by the
Utah Division of
Oil, Gas and Mining
October 27, 2014
Date:
By:

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Malia Villers	303 397-3670	Lead Permitting Analyst
SIGNATURE N/A		**DATE** 10/20/2014

RECEIVED: Oct. 20, 2014

The Utah Division of Oil, Gas, and Mining

- State of Utah
- Department of Natural Resources

Electronic Permitting System - Sundry Notices

Request for Permit Extension Validation Well Number 43047397870000

API: 43047397870000
Well Name: RBU 6-22F
Location: 1598 FNL 2489 FEL QTR SWNE SEC 22 TWNP 100S RNG 200E MER S
Company Permit Issued to: XTO ENERGY INC
Date Original Permit Issued: 11/19/2007

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

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

Signature: Malia Villers **Date:** 10/20/2014
Title: Lead Permitting Analyst **Representing:** XTO ENERGY INC

RECEIVED: Oct. 20, 2014

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 12, 2015

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

43-047-39787

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

Dear Ms. Villers:

Enclosed find the list of APDs that you asked to be rescinded. No drilling activity at these locations has been reported to the division. Therefore, approval to drill these wells is hereby rescinded effective November 11, 2015.

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

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

Sincerely,

Diana Mason
Environmental Scientist

cc: Well File
Bureau of Land Management, Vernal

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

UTAH DNR
OIL, GAS & MINING

Operator	API Number	Well Name	Work Type	Date Approved	Date Permit Will Expire
XTO ENERGY INC	4304738783	KC 14-33E	DRILL	11/07/2006	11/07/2015
XTO ENERGY INC	4304738784	LCU 11-35F	DRILL	11/07/2006	11/07/2015
XTO ENERGY INC	4304738788	LCU 6-10H	DRILL	11/07/2006	11/07/2015
XTO ENERGY INC	4304738789	LCU 13-10H	DRILL	11/07/2006	11/07/2015
XTO ENERGY INC	4304738790	LCU 11-11H	DRILL	11/07/2006	11/07/2015
XTO ENERGY INC	4304738791	LCU 3-12H	DRILL	11/07/2006	11/07/2015
XTO ENERGY INC	4304736047	HCU 15-31F	DRILL	11/08/2004	11/08/2015
XTO ENERGY INC	4304737361	HCU 2-28F	DRILL	11/10/2005	11/10/2015
XTO ENERGY INC	4304739785	RBU 13-15F	DRILL	11/19/2007	11/19/2015
XTO ENERGY INC	4304739787	RBU 6-22F	DRILL	11/19/2007	11/19/2015
XTO ENERGY INC	4304737423	RBU 2-21F	DRILL	11/29/2005	11/29/2015
XTO ENERGY INC	4304738889	KC 9-31E	DRILL	11/29/2006	11/29/2015
XTO ENERGY INC	4304738890	KC 13-31E	DRILL	11/29/2006	11/29/2015
XTO ENERGY INC	4304738891	KC 12-33E	DRILL	11/29/2006	11/29/2015
XTO ENERGY INC	4304738892	LCU 7-10H	DRILL	11/29/2006	11/29/2015
XTO ENERGY INC	4304738893	LCU 1-12H	DRILL	11/29/2006	11/29/2015