

001

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

CONFIDENTIAL

APPLICATION FOR PERMIT TO DRILL OR DEEPEN

5. LEASE DESCRIPTION AND SERIAL NO. U-013766

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME  
River Bend Unit

8. FARM OR LEASE NAME, WELL NO.  
RBU 6-23E

9. API NUMBER  
43-047-34811

10. FIELD AND POOL, OR WILDCAT  
Natural Buttes

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
23-10S-19E

12. COUNTY OR PARISH Uintah 13. STATE UT

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*  
23.1 miles Southwest of Ouray

15. DISTANCE FROM PROPOSED\* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drg. unit line, if any) 1847

16. NO. OF ACRES IN LEASE 2,240

17. NO. OF ACRES ASSIGNED TO THIS WELL 40

18. DISTANCE FROM PROPOSED LOCATION\* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 1205'

19. PROPOSED DEPTH 7,200'

20. ROTARY OR CABLE TOOLS R

21. ELEVATIONS (Show whether DF, RT, GR, etc.) 5288'

22. APPROX. DATE WORK WILL START\* 15-Jan-03

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	GRADE, SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17 1/2"	13 3/8" H-40	48#	500'	465 sks
12 1/4"	8 5/8" J-55	32#	2,200'	1,000 sks
7 7/8"	5 1/2" Mav-80	17#	7,200'	480 sks

RECEIVED  
DEC 02 2002  
DIVISION OF  
OIL, GAS AND MINING

Thirteen Point Surface Program and Drilling Plan Approval of Operations are attached.  
Dominion requests that this complete application for permit to drill be held confidential.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. SIGNED Coola Christian TITLE Regulatory Specialist DATE 11/26/02

(This space for Federal or State office use)

PERMIT NO. 43-047-34811 APPROVAL DATE \_\_\_\_\_

Application approval does not warrant or certify that the applicant has 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:

Federal Approval of this  
Action is Necessary

BRADLEY G. HILL  
ENVIRONMENTAL SCIENTIST III

APPROVED BY [Signature] TITLE \_\_\_\_\_ DATE 12-09-02

\*See Instructions On Reverse Side

Title 18 U.S.C. Section 1001, 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.

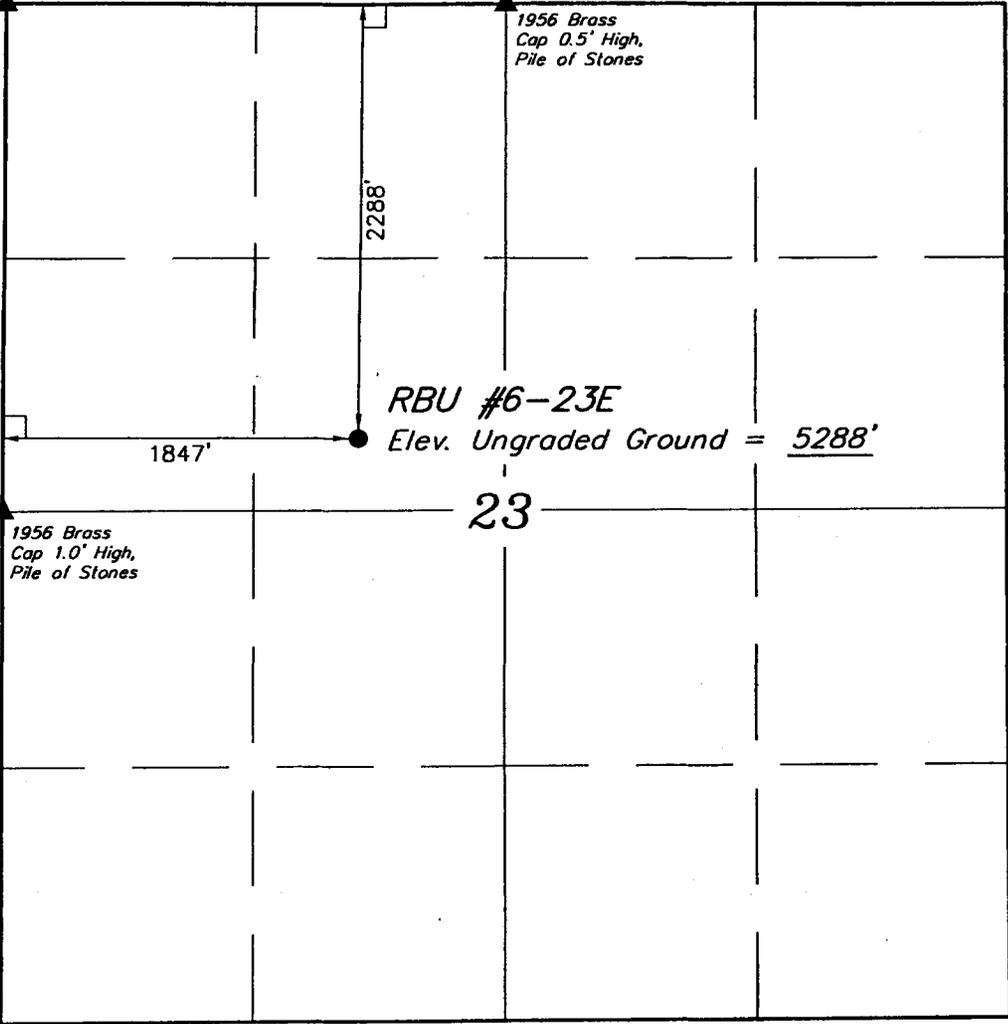
# T10S, R19E, S.L.B.&M.

DOMINION EXPLR. & PROD., INC.

Well location, RBU #6-23E, located as shown in the SE 1/4 NW 1/4 of Section 23, T10S, R19E, S.L.B.&M. Uintah County, Utah.

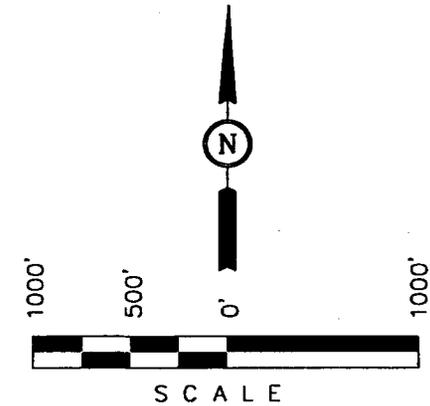
1956 Brass  
Cap 0.8' High,  
Pile of Stones N89°43'42"W - 2592.30' (Meas.)

1956 Brass  
Cap 0.5' High,  
Pile of Stones



## BASIS OF ELEVATION

TRIANGULATION STATION (DIVIDE) LOCATED IN THE SW 1/4 NE 1/4 OF SECTION 23, T10S, R19E, 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 5375 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.

*Robert H. Kay*  
REGISTERED LAND SURVEYOR  
REGISTRATION NO. 161319  
STATE OF UTAH

REVISED: 06-10-02 D.COX

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

S89°50'W - 79.38 (G.L.O.)

## BASIS OF BEARINGS

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

## LEGEND:

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

(AUTONOMOUS NAD 83)

LATITUDE = 39°56'02.01" (39.933892)

LONGITUDE = 109°45'08.29" (109.752303)

SCALE 1" = 1000'	DATE SURVEYED: 10-23-01	DATE DRAWN: 11-1-01
PARTY G.S. K.S. D.COX	REFERENCES G.L.O. PLAT	
WEATHER COOL	FILE DOMINION EXPLR. & PROD., INC.	



November 26, 2002

Attn: Dianna Mason  
Utah Division of Oil & Gas Mining  
1594 West North Temple, Suite 1210  
Salt Lake City, Utah 84114-5801

Reference: Exception to Location & Sitting of Well  
RBU 6-23E, Section 23-10S-19E  
2288' FNL & 1847' FWL, SE/4 NW/4  
Uintah County, Utah

Dear Ms. Mason:

Dominion Exploration & Production, Inc. is requesting an exception to Rule 649-3-2 for the above referenced well, due to topographic considerations. The well is greater than 920' from any other well capable of producing. Dominion Exploration & Production, Inc. is the only owner within a 460' radius from all points along the intended well bore.

If you should require additional information please feel free to contact me at (405) 749-5263.

Sincerely,

Dominion Exploration & Production, Inc.

Carla Christian  
Regulatory Specialist

Enclosure

DRILLING PLANAPPROVAL OF OPERATIONS**Attachment for Permit to Drill**

**Name of Operator:** Dominion Exploration & Production  
**Address:** 14000 Quail Springs Parkway, Suite 600  
 Oklahoma City, OK 73134  
**Well Location:** RBU 6-23E  
 2288' FNL & 1847' FWL  
 Section 23-10S-19E  
 Uintah County, UT

1. GEOLOGIC SURFACE FORMATION

Uintah

2. ESTIMATED DEPTHS OF IMPORTANT GEOLOGIC MARKERS

<u>Formation</u>	<u>Depth</u>
Green River	1,311'
Wasatch Tongue	4,221'
Uteland Limestone	4,551'
Wasatch	4,711'
Chapita Wells	5,611'
Uteland Buttes	6,800'

3. ESTIMATED DEPTHS OF ANTICIPATED WATER, OIL, GAS OR MINERALS

<u>Formation</u>	<u>Depth</u>	<u>Type</u>
Green River	1,311'	Oil
Wasatch Tongue	4,221'	Oil
Uteland Limestone	4,551'	Oil
Wasatch	4,711'	Gas
Chapita Wells	5,611'	Gas
Uteland Buttes	6,800'	Gas

4. PROPOSED CASING PROGRAM

All casing used to drill this well will be new casing.

<u>Type</u>	<u>Size</u>	<u>Weight</u>	<u>Grade</u>	<u>Conn.</u>	<u>Top</u>	<u>Bottom</u>	<u>Hole</u>
Surface	13 3/8"	48.0 ppf	H-40	STC	0'	500'	17 1/2"
Intermediate	8 5/8"	32.0 ppf	J-55	LTC	0'	2,200'	12 1/4"
Production	5 1/2"	17.0 ppf	MAV-80	LTC	0'	7,200'	7 7/8"

5. OPERATOR'S MINIMUM SPECIFICATIONS FOR PRESSURE CONTROL

B.O.P. pressure rating required is 5,000 psi working pressure. (Will use 5,000 psi B.O.P. Equipment). Pipe rams will be operated daily and blind rams as possible. From Intermediate pipe to total depth.

6. MUD SYSTEM

KCL mud system will be used to drill well.

An air mist may be used to drill until first water is seen.

0' - 500'                      Air foam mist, no pressure control

500' – 2,200' Fresh water, rotating head and diverter, 500 psi working pressure.

2,200' – 7,200' Fresh water/2% KCL/KCL mod system.

7 BLOOIE LINE

An automatic igniter will not be installed on blooie line.  
A 90 degree targeted bend will be installed on blooie line about 50' from wellhead.  
The blooie line discharge will remain 100' from the wellhead.

8 AUXILIARY EQUIPMENT TO BE USED

- A. Kelly Cock.
- B. Full opening valve with DRILL PIPE connection will be kept on floor. Valve will be used when Kelly is not in string.

9 TESTING, LOGGING, AND CORING PROGRAMS TO BE FOLLOWED

A Drill Stem Test in the Wasatch Tongue is possible.  
One electric line wire-log will be run from TD to surface.  
The gamma ray will be left on to record from surface to TD.  
Other log curves (Resistivities, Porosity, and Caliper) will record from TD to Surface casing.  
A dipmeter, percussion cores, or rotary cores may be run over selected intervals.

10 ANTICIPATED ABNORMAL PRESSURES OR TEMPERATURES EXPECTED

No abnormal temperature or pressures are anticipated.  
The formations to be penetrated do not contain known H<sub>2</sub>S gas.

11 WATER SUPPLY

No water pipelines will be laid for this well.  
No water well will be drilled for this well.  
Drilling water for this will be hauled on the road(s) shown in Attachment No. 3.  
Water will be hauled from: Water Permit # 43-10447 Section 9, Township 8 South, Range 20 East

12 CEMENT SYSTEMS

A. Surface Cement:

Drill 17 1/2" hole to 500' and cement 13 3/8" to surface with 465 sks type 5, 2% Cacl<sub>2</sub> + 1/4# Poly-E-Flakes. Top out if necessary type 5, 2% Cacl<sub>2</sub>.

B. Intermediate Casing Cement:

- A Drill 12 1/4" hole to ± 2,200', run and cement 8 5/8" to surface.
- B Pump 20 bbls lightly water spacer followed by 5 bbls fresh water. Displace with any available water.
- C Run 1" tubing in annulus to ± 200' and cement to surface.
- D Note: Repeat Top Out until cement remains at surface.
- E Casing to be run with: a) guide shoe b) insert float c) three (3) centralizers, one on each of first 3 joints d) stop ring for plug two joints off bottom e) bottom three joints thread locked f) pump job with bottom plug only.

Type	Sacks	Interval:	Density	Yield	Hole Cement		Excess
					Volume:	Volume:	
Lead	500 Sx	0' – 1,700'	11.5 ppg	2.81 CFS	701 CF	1,403 CF	100%
Tail	350 Sx	1,700' – 2,200'	15.8 ppg	1.17 CFS	220 CF	445 CF	100%
Top Out	150 Sx	0' - 200'	15.8 ppg	1.17 CFS	87 CF	176 CF	102% (If required)

Lead Mix:

Prem Lite II Cement, 10% Gel extender, 0.50% Sodium Metasilicate extender, 6 lb/sk  
Inert Course Grannular LCM: Kol Seal, 1/4 lb/sk Cellophane Flakes LCM, 3 lb/sk Silica  
Fume high strength additive: BA90, 2% Calcium Chloride accelerator, 20.15 gps water

Pump Time 4± hours @ 90°F.  
Compressives @ 106 °F: 24 Hour is 275 psi

Tail Mix:

Class "G" Cement, 1/4 lb/sk Cellophane Flakes + 1% bwoc Calcium Chloride + 44.3% fresh water.

Pump Time: 2 1/2 Hours @ 90 °F.

Compressives @ 106 °F: 24 Hour is 2,125 psi

Top Out:

Class "G" Cement, 1/4 lb/sk Cellophane Flakes + 1% bwoc Calcium Chloride + 44.3% fresh water.

C. Production Casing Cement:

A Drill 7 7/8" hole to +/- 7,200', run and cement 5 1/2".

B Cement interface is at 4,000', which is typically 500-1,000' above shallowest pay.

C Pump 20 bbl Mud clean II unweighted spacer, followed by 20 Bbls fresh H2O spacer.

D Displace with 3% KCL.

<u>Sacks</u>	<u>Interval:</u>	<u>Density</u>	<u>Yield</u>	<u>Hole</u> <u>Volume:</u>	<u>Cement</u> <u>Volume:</u>	<u>Excess</u>
480 sx	4,000' - 7,200'	13.0 ppg	1.96 CFS	694 CF	935 CF	35%

Note: Caliper will be run to determine exact cement volume.

Prem Lite II HIGH STRENGTH Cement, 1/4 lb/sk Cellophane Flakes LCMI, 3% Potassium Chloride clay inhibitor, 0.7% fluid loss additive FL-52, 0.7% retarder r-3, & 16.78 gps water

Pump Time: 3 1/2 Hours @ 154 °F.

Fluid Loss : is 100 cc / 30 minutes.

Compressives 163 °F: 24 Hour is 1,950 psi

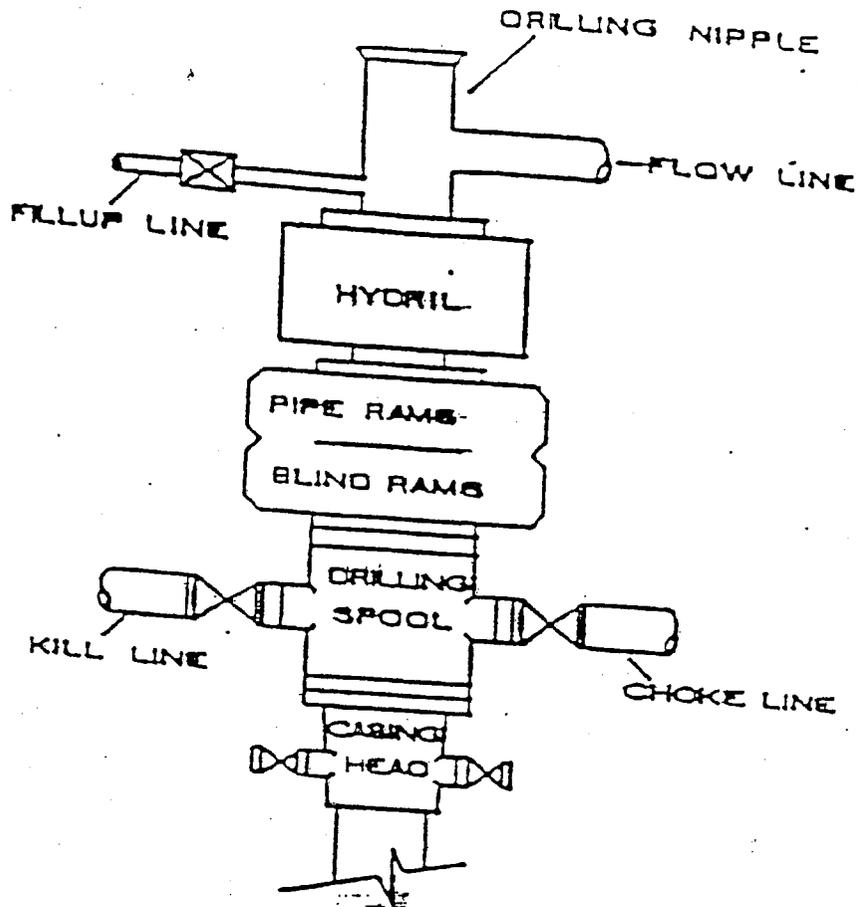
13 ANTICIPATED STARTING DATE AND DURATION OF THE OPERATIONS

Starting Date: January 15, 2003

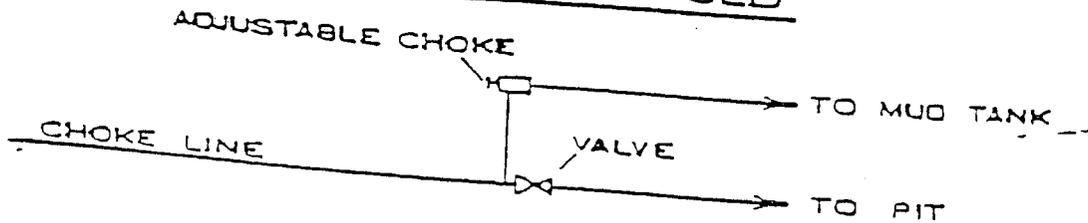
Duration: 14 Days

CONFIDENTIAL

BOP STACK



CHOKE MANIFOLD



Revised November 1990

CONDITIONS OF APPROVAL  
FOR THE SURFACE USE PROGRAM OF THE  
APPLICATION FOR PERMIT TO DRILL

Company/Operator: Dominion Exploration & Production, Inc.

Well Name & Number: RBU 6-23E

Lease Number: U-013766

Location: SE NW Sec. 23 T. 10S R. 19E

Surface Ownership: BLM

**NOTIFICATION REQUIREMENTS**

- Location Construction - forty-eight (48) hours prior to construction of location and access roads.
- Location Completion - prior to moving on the drilling rig.
- Spud Notice - at least twenty-four (24) hours prior to spudding the well.
- Casing String and Cementing - twenty-four (24) hours prior to running casing and cementing all casing strings.
- BOP and Related - twenty-four (24) hours prior to initiating pressure equipment tests.
- First Production Notice - within five (5) business days after new well begins or production resumes after well has been off production for more than ninety (90) days.

For more specific details on notification requirements, please check the Conditions of Approval for Notice to Drill and Surface Use Program.

## THIRTEEN POINT SURFACE USE PROGRAM:

### Multipoint Requirement to Accompany APD

1. Existing Roads - describe the following and provide a legible map, labeled and showing:
  - a. Proposed wellsite as staked and access route to location, including distances from point where access route exists establish roads. (Actual staking should include tow directional reference stakes.) The proposed well site is located approximately 23.1 miles southwest of Ouray, Utah.
  - b. Route and distance from nearest town or locatable reference point, such as a highway or county road, to where well access route leaves main road. - See plat for details.
  - c. Access road(s) to location color-coded or labeled. (See Topographic Map A & B for details.)
  - d. Plans for improvement and/or maintenance of existing roads. (Appropriate rights-of-way for off lease roads should be attached.)
  
2. Planned Access Roads - describe the following and provide a map of suitable scale indicating all necessary access roads (permanent and temporary) to be constructed or reconstructed, showing:
  - a. Length - .2 miles
  - b. Width - 30 foot right-of-way with 18 foot running surface maximum.
  - c. Maximum grades - None
  - d. Turnouts - None
  - e. Drainage design - Dry Creek
  - f. Location and size of culverts and/or bridges, and brief description of any major cuts and fills - If the access road is elevated culverts will be used in place of low water crossings.
  - g. Surfacing material (source) - N/A
  - h. Necessary gates, cattleguards, or fence cuts and/or modification to existing facilities - N/A(New or reconstructed roads are to be centerline-flagged at time of location staking.)

All travel will be confined to existing access road rights-of-way.

Access roads and surface disturbing activities will conform to standards outlined in the Bureau of Land Management and Forest Service publication: Surface Operating Standards for Oil and Gas Exploration and Development, (1989).

The road shall be constructed/upgraded to meet the standards of the anticipated traffic flow and all-weather road requirements. Construction/upgrading shall include ditching, draining, graveling, crowning, and capping the roadbed as necessary to provide a well constructed safe road. Prior to upgrading, the road shall be cleared of any snow cover and allowed to dry completely. Traveling off the 30 foot right-of-way will not be allowed. Road drainage crossings shall be of the typical dry creek drainage crossing type. Crossings shall be designed so they will not cause siltation or accumulation of debris in the drainage crossing nor shall the drainages be blocked by the roadbed. Erosion of drainage ditches by runoff water shall be prevented by diverting water off at frequent intervals by means of cutouts. Upgrading shall not be allowed during muddy conditions. Should mud holes develop, they shall be filled in and detours around them avoided.

Right-of-Way Application needed. No

The operator/lessee or his/her successor shall be responsible for all maintenance on catterguards or gates associated with this oil and/or gas operation.

3. Location of Existing Wells - describe the following and provide a map or plat of all wells within a 1 mile radius of the proposed well location showing and identifying existing:

- a. Water wells - None
- b. Abandoned wells - None
- c. Temporarily abandoned wells - None
- d. Disposal wells - None
- e. Drilling wells - None
- f. Producing wells - RBU 4-23E, RBU 5-23E, RBU 3-23E, RBU 7-23E, RBU 9-23E, RBU 11-23E, RBU 12-23E, RBU 14-23E, RBU 13-23E, RBU 15-23E, RBU 5-24EO, RBU 5-24E, RBU 13-24E, Little Papoose 1-26, Evans Federal 41-26, Evans Federal 32-26, Wild horse Fed 3-26, OSCU II 108-27, RBU 15-22E, RBU 9-22E, RBU 7-22E, RBU 1-22E, RBU 3-22E, RBU 15-15E, RBU 12-14E, RBU 11-14E, RBU 10-14E, RBU 9-14EO, RBU 9-14E, RBU 15-14E, RBU 13-14E, RBU 13-13E.
- g. Shut-in wells - Two
- h. Injection wells - None

4. Location of Existing and/or Proposed Facilities

- a. On well pad: Show the following existing area facilities and dimensions to be utilized if the well is successfully completed for production (detail painting plans and color if applicable):

- (1) Tank batteries
- (2) Production facilities
- (3) Oil gathering lines
- (4) Gas gathering lines
- (5) Injection lines
- (6) Disposal lines
- (7) Surface pits - After the well is hydraulically fraced, the well will be flowed back into the surface pits. After first production, a 400 bbl tank will be installed to contain produced waste water. Plans are to run a 2" line from the separator to the 400 bbl tank.

(Indicate if any of the above lines are buried.)

- b. Off well pad: Same as above. Off lease flowlines may require rights-of-way or special use permits, check with the District Office Realty Specialist. (Include a diagram of the proposed attendant lines, i.e., flowlines, powerlines, etc., if off well pad location.)

- (1) Proposed location and attendant lines shall be flagged off of well pad prior to archaeological clearance.
- (2) Dimensions of facilities
- (3) Construction methods and materials
- (4) Protective measures and devices to protect livestock and wildlife

Note: Operator has option of submitting information under 4A and B, after well is completed for production, by applying for approval of subsequent operations.

If storage facilities/tank batteries are constructed on this lease, the facility/battery or the well pad shall be surrounded by a containment dike of sufficient capacity to

contain, at a minimum, the entire content of the largest tank within the facility/battery, unless more stringent protective requirements are deemed necessary by the authorized officer.

Tank batteries will be placed on the North end of the location. All permanent (on site for six months or longer) structures constructed or installed (including pumping units) will be painted a flat, non-reflective, earthtone color to match one of the standard environmental colors, as determined by the Rocky Mountain Five State Interagency Committee. All facilities will be painted within 6 months of installation. Facilities required to comply with O.S.H.A. (Occupational Safety and Health Act) will be excluded.

The required paint color is Desert Brown.

If at any time the facilities located on public land and authorized by the terms of the lease are no longer included in the lease (due to a contraction in the unit or other lease or unit boundary change), BLM will process a change in authorization to the appropriate statute. The authorization will be subject to appropriate rental or other financial obligation as determined by the authorized officer.

5. Location and Type of Water Supply

- a. Show location and type of water supply, either by 1/4, 1/4 section on a map or by written description Sec 9-T8S-R20E No. 43-10447
- b. State method of transporting water, and show any roads or pipelines needed.
- c. If water well is to be drilled on lease, so state.  
\*The operator will be responsible for acquiring the necessary permit to obtain water to be used for drilling activities.

6. Source of Construction Materials

- a. Show information either on map or by written description - Surface and subsoil materials in the immediate area will be utilized to build the location
- b. Identify if from Federal or Indian (tribal or allotted) land. The use of materials under BLM jurisdiction will conform with 43 CFR 3610.2.3. Construction material will not be located on lease.
- c. Describe where materials such as sand, gravel, stone, and soil material are to be obtained and used. No construction materials will be removed from Federal land.

\*If fill materials are needed to construct roads or well sites, proper permits must be obtained from the Surface Management Agency, unless materials are obtained from a private source.

\*A mineral materials application (is/is not) required.

7. Methods of Handling Waste Disposal

- a. Describe methods and location of proposed safe containment and disposal of each type of waste material, including:
  - (1) Cuttings - bury in pit
  - (2) Sewage - haul to sewer lagoon
  - (3) Garbage (trash) and other waste material - haul to disposal

- (4) Salts - not used
- (5) Chemicals - non-toxic only; evaporate in pit

After first production, produced waste water will be confined to an unlined or lined pit or storage tank for a period not to exceed ninety (90) days. During the 90 day period, in accordance with Onshore Order No. 7, an application for approval of a permanent disposal method and location, along with the required water analysis, will be submitted for the AO's approval. Failure to file an application within the time allowed will be considered an incident of noncompliance.

- b. Provide a plan for eventual disposal of drilling fluids and any produced oil or water recovered during testing operations. Haul off  
All fluids will be hauled off by Ace Disposal & MCMC for disposal.

After initial clean up period, a 300 bbls tank will be installed to contain produced waste water. This water will be transported from the 300 bbl tank to Dominion Exploration & Production, Inc. disposal well located at RBU 16-19F for disposal.

\*Burning will not be allowed. All trash must be contained in a trash cage and hauled away to an approved disposal site at the completion of the drilling activities.

- c. 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 completing of wells with the NBU. Furthermore, extremely hazardous substances, as defined in 40 CFR 355, in threshold planning quantities, will not be used, produced, stored, transported, or disposed of in association with the drilling, testing, or completing of wells within the NBU. Specific APDs shall address any modifications from this policy.

On BLM administered lands:

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

The reserve pit shall be lined with a 12 mil pit liner only under the following conditions:

- 1. If we have to blast the pit, or
- 2. If the non-blasted pit will not hold fluid.

If these conditions do not exist, we will not line the pit.

If a plastic nylon reinforced liner is used, it will be a minimum of 12 mil in thickness.

After first production, produced waste water will be confined to a lined pit or storage tank for a period not to exceed ninety (90) days. During the 90 day period, in accordance with NTL-2B, an application for approval of a permanent disposal method and location, along with required water analysis, shall be submitted for the AO's approval. Failure to file an application within the time allowed will be considered an incident of noncompliance.

8. Ancillary Facilities

Camp facilities or airstrips will not be allowed unless otherwise approved.

9. Well Site Layout--provide a plat (not less than 1" = 50') showing:

- a. Cross-sections of proposed drill pad with approximate cuts and fills and the relation to topography.
- b. Location of mud tanks, reserve, and flare pits, pipe racks, living facilities, and soil material stockpiles, etc. (Approval as used in this section means field approval of location.)
- c. Rig orientation, parking areas, and access roads, etc.

The reserve pit will be located on the: West side of the location.

The flare pit will be located downwind of the prevailing wind direction on the West side of location a minimum of 100 feet from the well head and 30 feet from the reserve pit fence.

The stockpiled topsoil (first four inches) will be stored on the: Northwest and Southeast ends of the location.

Access to the well pad will be from the: South

Diversion ditch(es) shall be constructed on the (NA) side of the location (above / below) the cut slope, draining to the (NA).

Soil compacted earthen berm(s) shall be placed on the (NA) side(s) of the location between the (NA).

The drainage(s) shall be diverted around the sides of the well pad. Care will be taken to avoid getting fill material in the drainage east of the location.

The reserve pit and/or pad location shall be constructed long and narrow (50' Wide) for topographic reason.

Corners 2, 6 & 8 of the well pad will be rounded off to minimize excavation.

#### Fencing Requirements

All pits will be fenced according to the following minimum standards:

- a. 39-inch net wire shall be used with at least one stand of barbed wire on top of the net wire (barbed wire is not necessary if pipe or some type of reinforcement rod is attached to the top of the entire fence).
- b. The net wire shall be no more than 2-inches above the ground. The barbed wire shall be 3-inches above the net wire. Total height of the fence shall be at least 42-inches.
- c. Corner posts shall be cemented and/or braced in such a manner to keep the fence tight at all times.
- d. Standard steel, wood, or pipe posts shall be used between the corner braces. Maximum distance between any two posts shall be no greater than 16 feet.
- e. All wire shall be stretched, by using a stretching device, before it is attached to the corner posts.

The reserve pit fencing will be on three sides during drilling operations and on the fourth side when the rig moves off the location. Pits will be fenced and maintained until clean-up.

Each existing fence to be crossed by the access road shall be braced and tied off before cutting so as to prevent slacking of the wire. The opening shall be closed temporarily as necessary during construction to prevent the escape of livestock, and upon completion of construction the fence shall be repaired to BLM or SMA specifications. A cattleguard with an adjacent 16 foot gate shall be installed in any fence where a road is to be regularly traveled. If the well is a producer, the cattleguard (shall/shall not) be permanently mounted on concrete bases. Prior to a new road, crossing any fence located on federal land, or any fence between federal land and private land, the operator will contact the BLM, who will in turn contact the grazing permittee or owner of said fence and offer him/her the opportunity to be present when the fence is cut in order to satisfy himself/herself that the fence is adequately braced and tied off.

10. Plans for Restoration of Surface

a. Producing Location

Immediately upon well completion, the location and surrounding area will be cleared of all unused tubing, equipment, debris, materials, trash, and junk not required for production.

Immediately upon well completion, any hydrocarbons on the pit shall be removed in accordance with 43 CFR 3162.7-1.

If a plastic nylon reinforced liner is used, it 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 recontoured to the approximate natural contours. The reserve pit will be reclaimed within 6 months from the date of well completion. Before any dirt work takes place, the reserve pit must be completely dry and all cans, barrels, pipe, etc., will be removed.

Contact appropriate surface management agency for required seed mixture.

b. Dry Hole/Abandoned Location

At such time as the well is plugged and abandoned, the operator shall submit a subsequent report of abandonment and BLM will attach the appropriate surface rehabilitation conditions of approval.

11. Surface Ownership:

Access Road: Bureau of Land Management Location: Bureau of Land Management

"If the access road and/or location involves private or state agency owned surface, a copy of the surface owners agreement is required prior to approval of the APD."

12. Other Additional Information

- a. The Operator is responsible for informing all persons in the area who are associated with this project that they will be subject to prosecution for knowingly

disturbing historic or archaeological sites, or for collecting artifacts. If historic or archaeological materials are uncovered during construction, the operator is to immediately stop work that might further disturb such materials, and contact the authorized officer (AO). Within five working days the AO will inform the operator as to :

- whether the materials appear eligible for the National Register of Historic Places;

- the mitigation measures the operator will likely have to undertake before the site can be used (assuming in situ preservation is not necessary); and

-a time frame for the AO to complete an expedited review under 36 CFR 800.11 to confirm, through the State Historic Preservation Officer, that the findings of the AO are correct and that mitigation is appropriate.

If the operator wishes, at any time, to relocate activities to avoid the expense of mitigation and/or the delays associated with this process, the AO will assume responsibility for whatever recordation and stabilization of the exposed materials may be required. Otherwise, the operator will be responsible to mitigation costs. The AO will provide technical and procedural guidelines for the conduct of mitigation. Upon verification from the AO that required mitigation has been completed, the operator will then be allowed to resume construction.

- b. The operator will control noxious weeds along right-of-way for roads, pipelines, well sites, or other applicable facilities. A list of noxious weeds may be obtained from the BLM, or the appropriate County Extension Office. On BLM administered land it is required that a Pesticide Use Proposal shall be submitted, and given approval, prior to the application of herbicides or other pesticides or possible hazardous chemicals.
- c. Drilling rigs and/or equipment used during drilling operations on this well site will not be stacked or stored on Federal Lands after the conclusion of drilling operations or at any other time without BLM authorization. However, if BLM authorization is obtained, it is only a temporary measure to allow time to make arrangements for permanent storage on commercial facilities. (The BLM does not seek to compete with private industry. There are commercial facilities available for stacking and storing drilling rigs.)
- d. 4" pipeline is proposed to run approximately 300' and run parallel to the access road until it ties into the main gathering system.

Additional Surface Stipulations

(NA) No construction or drilling activities shall be conducted between and \_\_\_\_\_ because of

(NA) No surface occupancy will be allowed within 1,000 feet of any sage grouse strutting ground.

(NA) No construction or exploration activities are permitted within 1.5 mile radius of sage grouse strutting grounds from April 1 to June 30.

(NA) There shall be no surface disturbance within 600 feet of live water (includes stock tanks, springs, and guzzlers).

(NA) No cottonwood trees will be removed or damaged.

(NA) A silt catchment dam and basin will be constructed according to BLM specifications, where flagged.

13. Lessee's or Operators Representative and Certification

Representative

Name: Mitchiel Hall  
Address: P.O. Box 1360, Roosevelt, UT 84066  
Phone No: (435) 722-4521

All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws, regulations, Onshore Oil and Gas Orders, the approved plan of operations, and any applicable Notice to Lessees. The operator is fully responsible for the actions of his subcontractors. A copy of these conditions will be furnished the field representative to insure compliance.

A complete copy of the approved APD and ROW grant, if applicable, shall be on location during construction of the location and drilling activities.

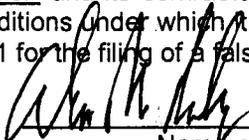
The operator or his/her contractor shall contact the BLM Office at (801) 789-1362 forty-eight (48) hours prior to construction activities.

The BLM Office shall be notified upon site completion prior to moving on the drilling rig.

Certification:

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drillsite and access route; that I am familiar with the conditions which currently exist; that the statements made in this plan are true and correct to the best of my knowledge; and, that the work associated with the operations proposed here will be performed by Dominion Exploration & Production, Inc. and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of 18 U.S.C. 1001 for the filing of a false statement.

November 20, 2002  
Date



Alan McNally, Drilling/Completions Manager  
Name and Title

Onsite Date: November 29, 2001

Participants on Joint Inspection

Stan Olmstad  
Ed Trotter  
Chuck Wise  
Brent Stubbs  
Gary Streeter

Bureau of Land Management  
Consultant for Dominion  
Jackson Construction  
Stubbs & Stubbs Construction  
UELS

# DOMINION EXPLR. & PROD., INC.

RBU #6-23E

LOCATED IN UINTAH COUNTY, UTAH  
SECTION 23, T10S, R19E, S.L.B.&M.

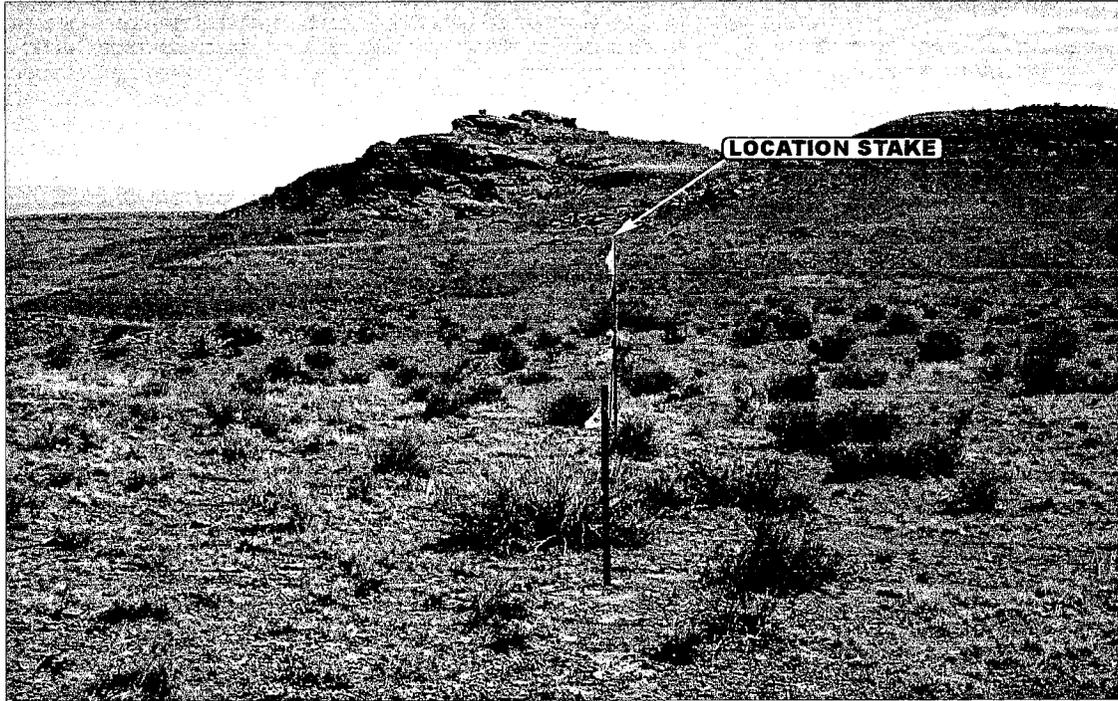


PHOTO: VIEW FROM CORNER #5 TO LOCATION STAKE

CAMERA ANGLE: NORTHEASTERLY



PHOTO: VIEW FROM BEGINNING OF PROPOSED ACCESS

CAMERA ANGLE: NORTHWESTERLY



- Since 1964 -

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

LOCATION PHOTOS

10 | 26 | 01  
MONTH | DAY | YEAR

PHOTO

TAKEN BY: G.S.

DRAWN BY: J.L.G.

REVISED: 6-11-02

# DOMINION EXPLR. & PROD., INC.

## LOCATION LAYOUT FOR

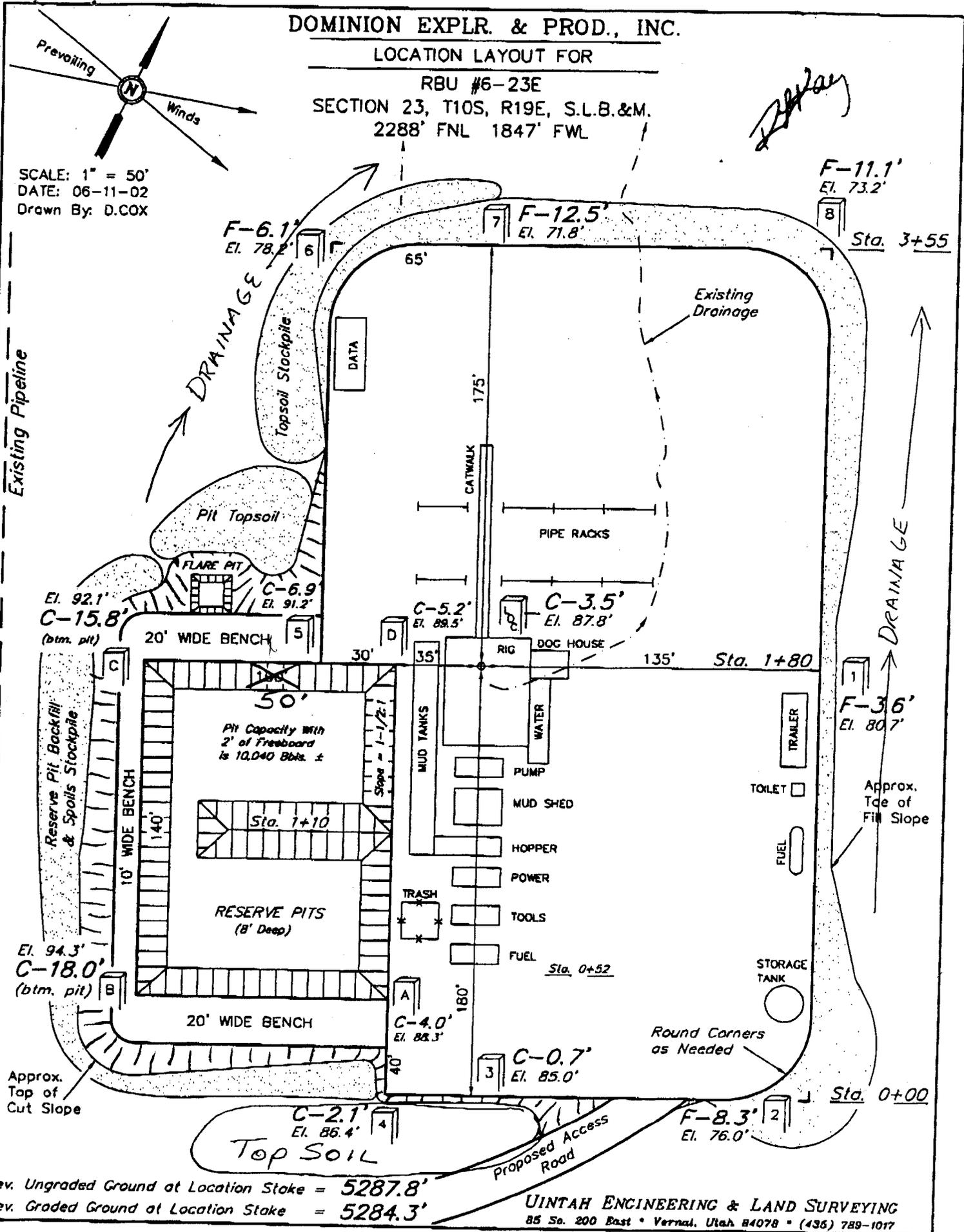
RBU #6-23E

SECTION 23, T10S, R19E, S.L.B.&M.

2288' FNL 1847' FWL

*Day*

SCALE: 1" = 50'  
DATE: 06-11-02  
Drawn By: D.COX



Elev. Ungraded Ground at Location Stake = 5287.8'  
Elev. Graded Ground at Location Stake = 5284.3'

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

DOMINION EXPLR. & PROD., INC.

TYPICAL CROSS SECTIONS FOR

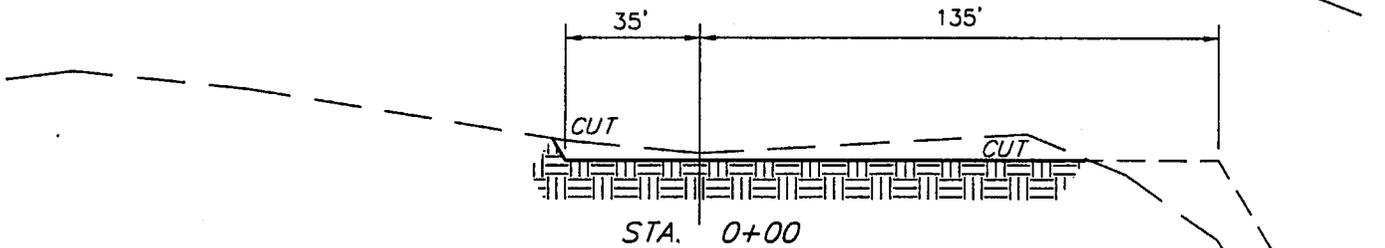
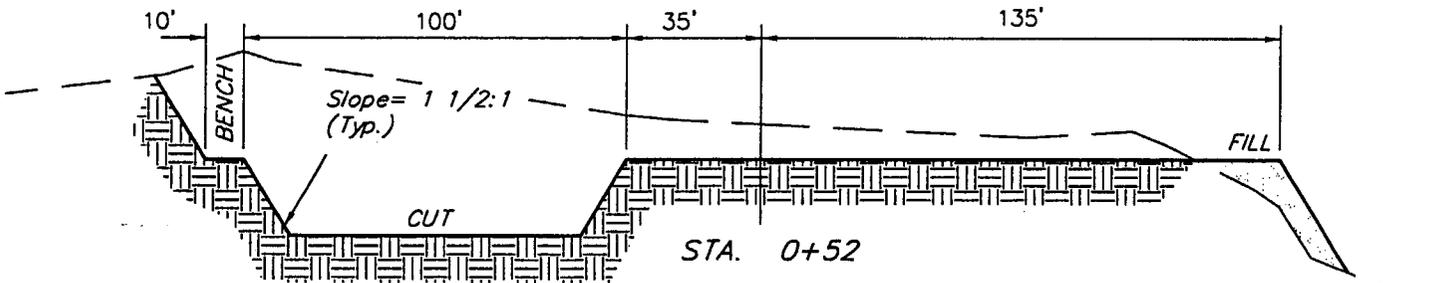
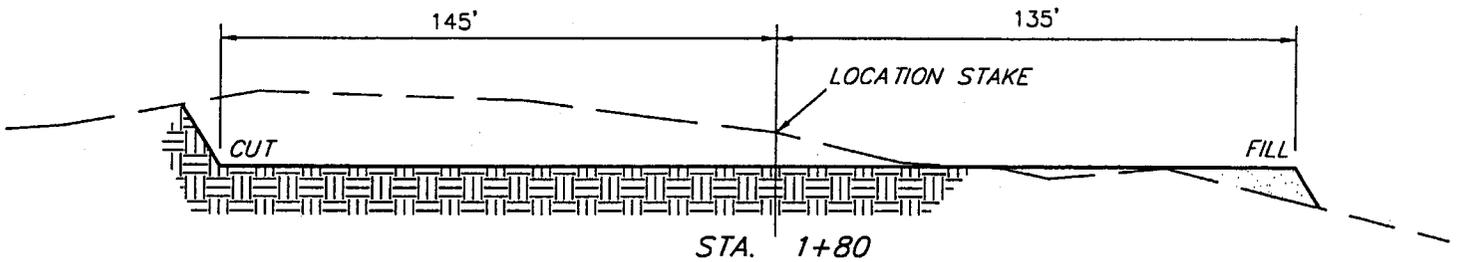
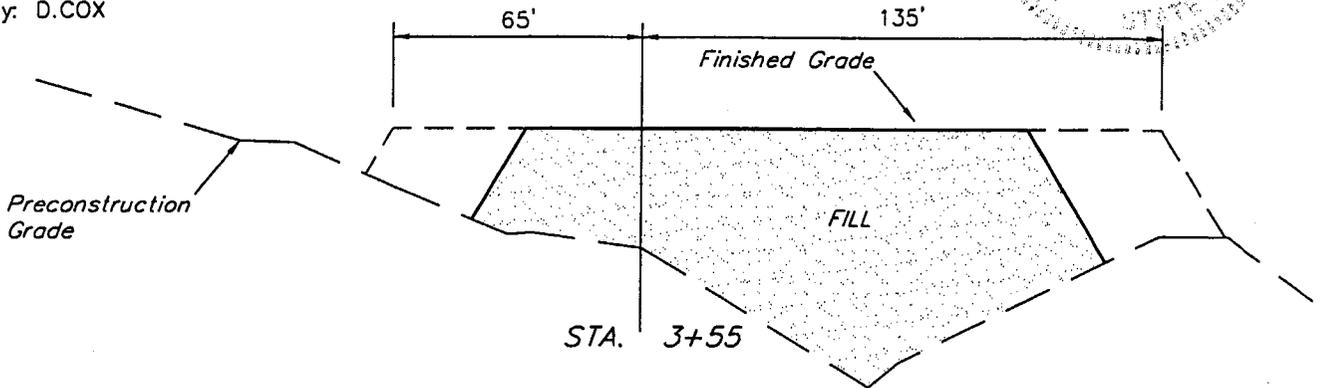
RBU #6-23E

SECTION 23, T10S, R19E, S.L.B.&M.

2288' FNL 1847' FWL



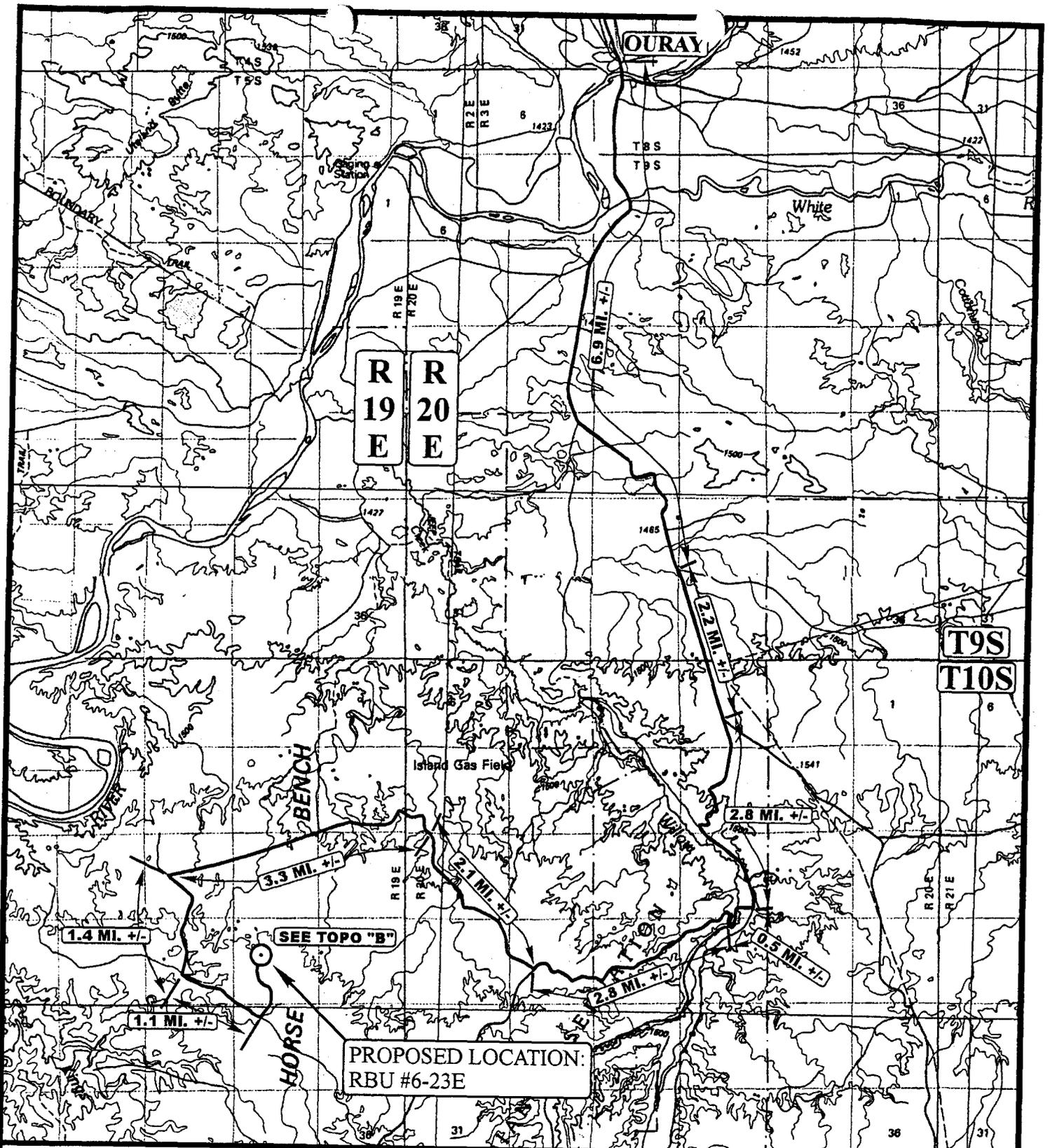
1" = 20'  
X-Section  
Scale  
1" = 50'  
DATE: 06-11-02  
Drawn By: D.COX



APPROXIMATE YARDAGES

CUT	
(6") Topsoil Stripping	= 1,570 Cu. Yds.
Remaining Location	= 12,320 Cu. Yds.
<b>TOTAL CUT</b>	<b>= 13,890 CU.YDS.</b>
<b>FILL</b>	<b>= 10,250 CU.YDS.</b>

EXCESS MATERIAL AFTER 5% COMPACTION	= 3,100 Cu. Yds.
Topsoil & Pit Backfill (1/2 Pit Vol.)	= 3,100 Cu. Yds.
EXCESS UNBALANCE (After Rehabilitation)	= 0 Cu. Yds.



OURAY

R  
19  
E

R  
20  
E

T9S  
T10S

PROPOSED LOCATION:  
RBU #6-23E

**LEGEND:**

⊙ PROPOSED LOCATION



**DOMINION EXPLR. & PROD., INC.**

RBU #6-23E  
SECTION 23, T10S, R19E, S.L.B.&M.  
2288' FNL 1847' FWL



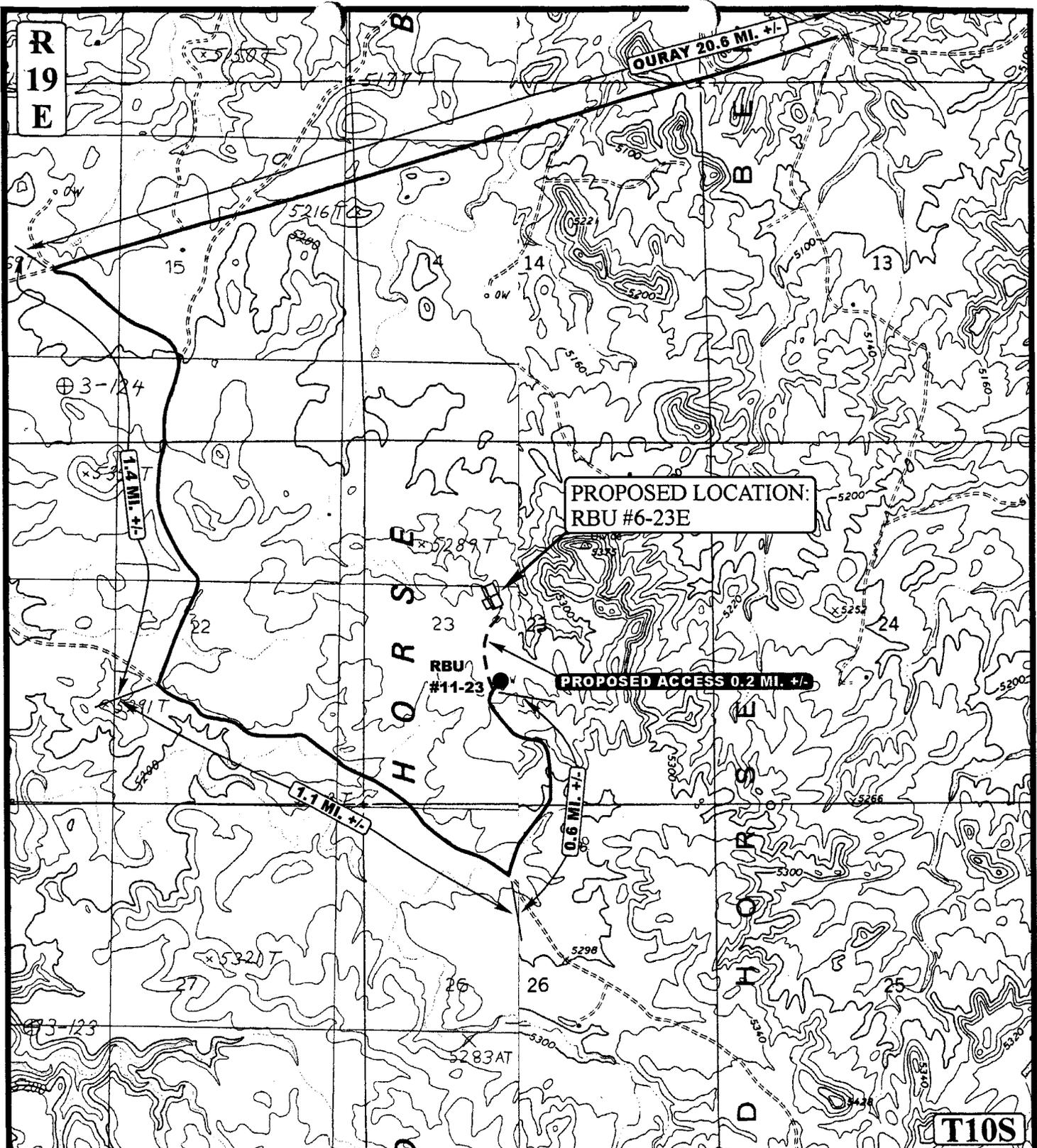
Utah Engineering & Land Surveying  
85 South 200 East Vernal, Utah 84078  
(435) 789-1017 \* FAX (435) 789-1813

TOPOGRAPHIC  
MAP

10	26	01
MONTH	DAY	YEAR

SCALE: 1 : 100,000 DRAWN BY: J.L.G. REVISED: 6-11-02





**LEGEND:**

- PROPOSED ACCESS ROAD
- ===== EXISTING ROAD



**DOMINION EXPLR. & PROD., INC.**

**RBU #6-23E**  
**SECTION 23, T10S, R19E, S.L.B.&M.**  
**2288' FNL 1847' FWL**



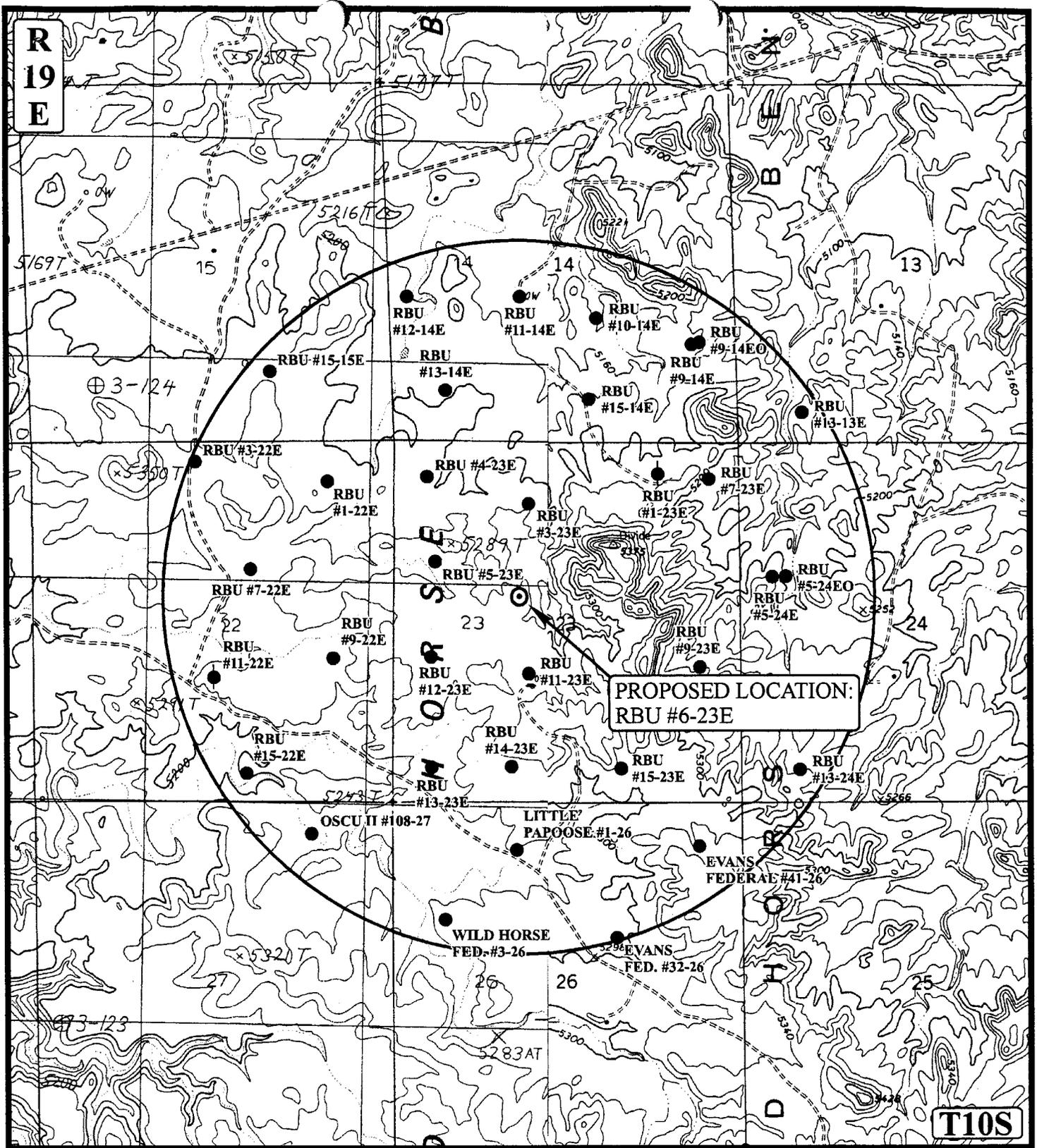
**Uintah Engineering & Land Surveying**  
 85 South 200 East Vernal, Utah 84078  
 (435) 789-1017 \* FAX (435) 789-1813

**TOPOGRAPHIC**  
**MAP**

<b>10</b>	<b>26</b>	<b>01</b>
MONTH	DAY	YEAR

**B**  
**TOPO**

SCALE: 1" = 2000' DRAWN BY: J.L.G. REVISED: 6-11-02



PROPOSED LOCATION:  
RBU #6-23E

**LEGEND:**

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

**DOMINION EXPLR. & PROD., INC.**

**RBU #6-23E**  
SECTION 23, T10S, R19E, S.L.B.&M.  
2288' FNL 1847' FWL

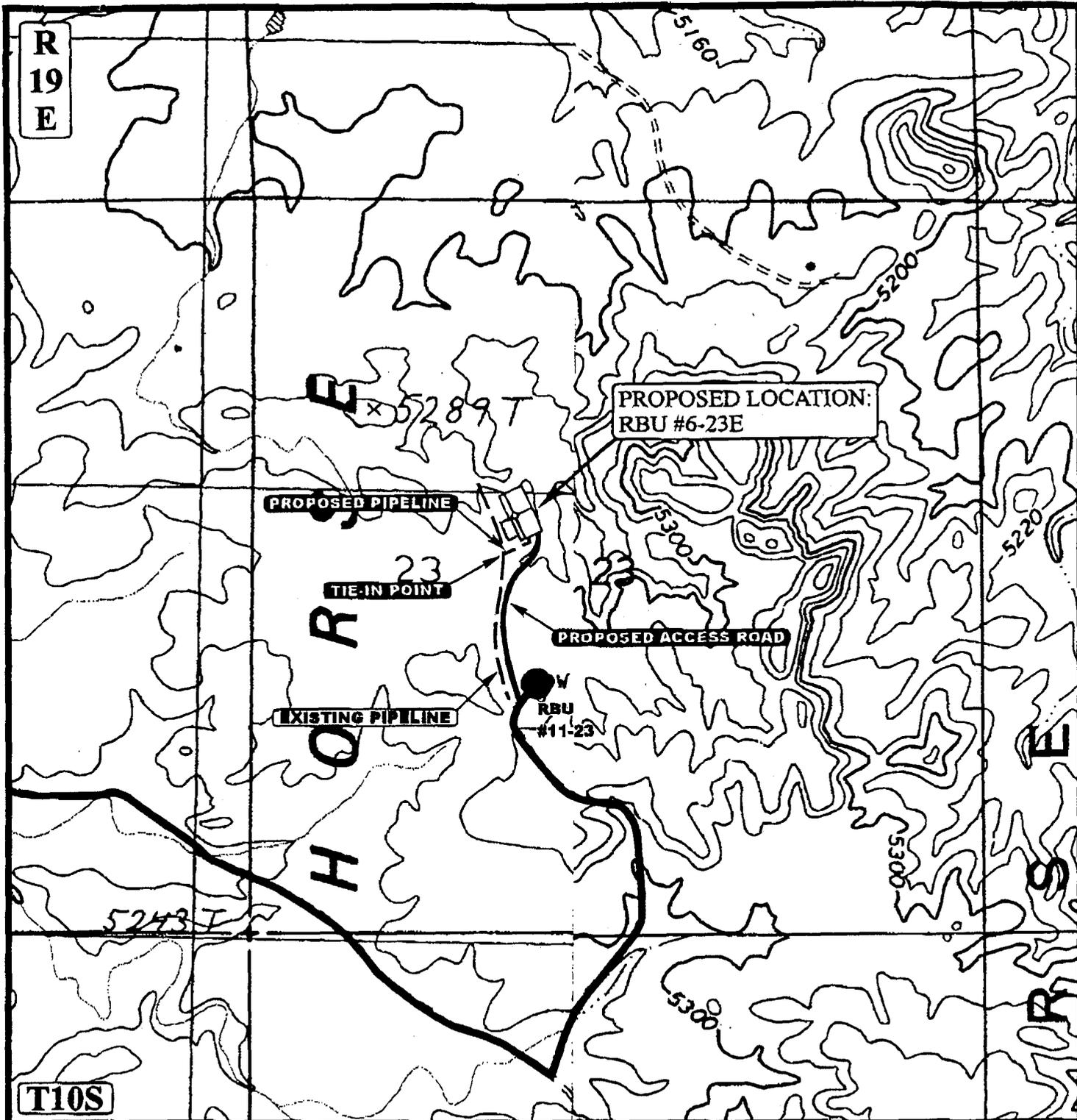
**UEIS** Uintah Engineering & Land Surveying  
85 South 200 East Vernal, Utah 84078  
(435) 789-1017 \* FAX (435) 789-1813



TOPOGRAPHIC MAP  
SCALE: 1" = 2000' DRAWN BY: J.L.G. REVISED: 6-11-02

10	26	01
MONTH	DAY	YEAR

**C**  
TOPO



APPROXIMATE TOTAL PIPELINE DISTANCE = 300' +/-

**LEGEND:**

- EXISTING PIPELINE
- - - PROPOSED PIPELINE
- PROPOSED ACCESS



**DOMINION EXPLR. & PROD., INC.**

**RBU #6-23E**

**SECTION 23, T10S, R19E, S.L.B.&M.  
2288' FNL 1847' FWL**



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

**TOPOGRAPHIC MAP**

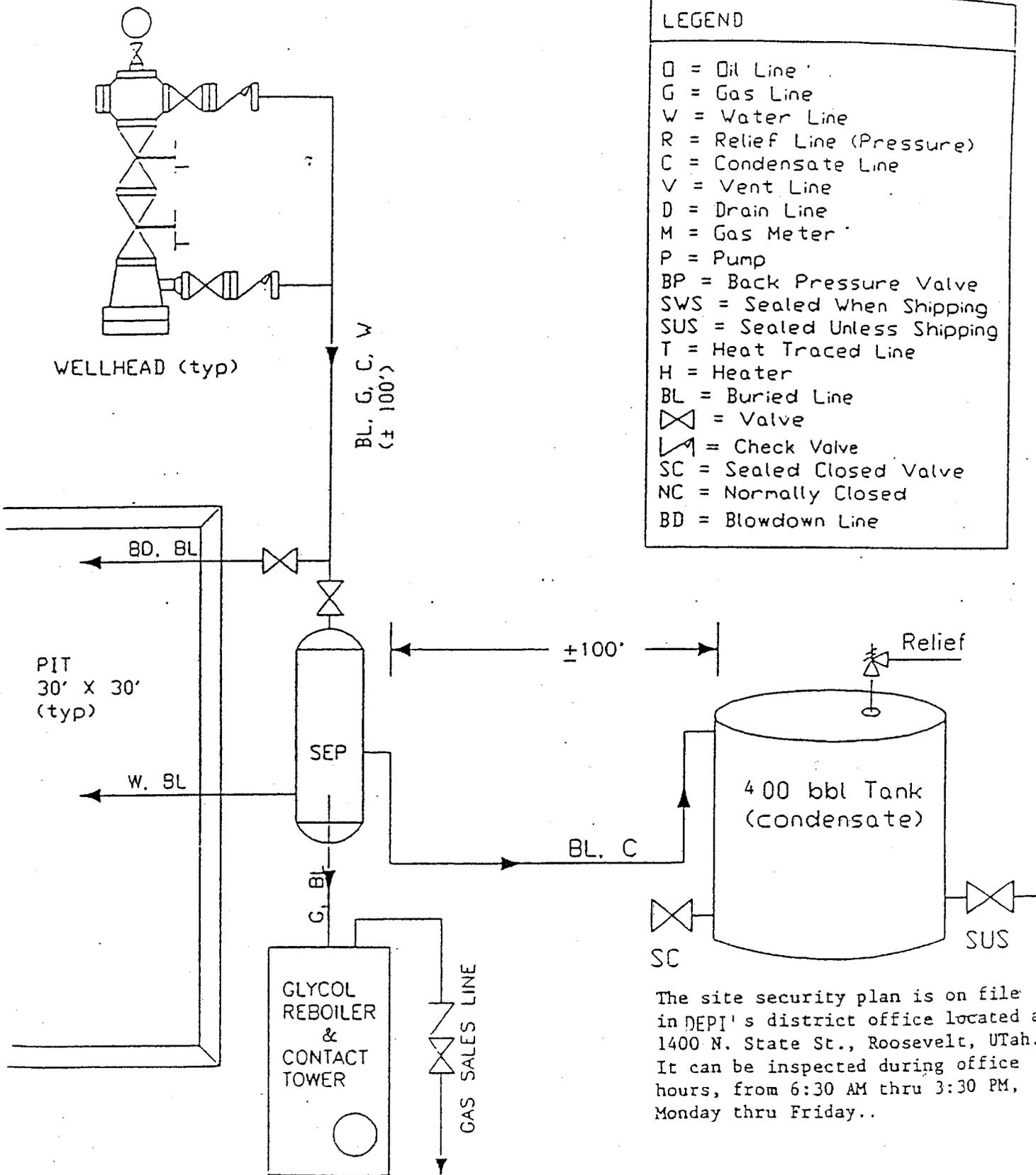
<b>10</b>	<b>26</b>	<b>01</b>
MONTH	DAY	YEAR

SCALE: 1" = 1000' DRAWN BY: J.L.G. REVISED: 6-11-02



LEGEND

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



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

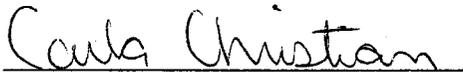
DOMINION EXPLORATION & PRODUCTION, INC.

Well:	RIVER BEND FIELD, UINTA COUNTY	not to scale
	TYPICAL FLOW DIAGRAM	date: / /

## SELF-CERTIFICATION STATEMENT

Under Federal regulation, effective June 15, 1988, designation of operator forms are no longer required when the operator is not the 100% record title holder. An operator is now required to submit a self-certification statement to the appropriate office stating that said operator has the right to operate upon the leasehold premises. Said notification may be in the following format:

Please be advised that **Dominion Exploration & Production, Inc.** is considered to be the operator of **Well No. 6-23E**, located in the **SE ¼ NW ¼ of Section 23, T10S, R19E in Uintah County; Lease No. U-013766**; and is responsible under the terms and conditions of the lease for the operations conducted upon the leased lands. Bond coverage is provided by Travelers Casualty and Surety Company of America, Bond #76S 63050 0330.



Carla Christian  
Regulatory Specialist

WORKSHEET  
APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 12/02/2002

API NO. ASSIGNED: 43-047-34811

WELL NAME: RBU 6-23E  
OPERATOR: DOMINION EXPL & PROD ( N1095 )  
CONTACT: CARLA CHRISTIAN

PHONE NUMBER: 405-749-5263

PROPOSED LOCATION:

SENW 23 100S 190E  
SURFACE: 2288 FNL 1847 FWL  
BOTTOM: 2288 FNL 1847 FWL  
UINTAH  
NATURAL BUTTES ( 630 )

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

LEASE TYPE: 1 - Federal  
LEASE NUMBER: U-013766  
SURFACE OWNER: 1 - Federal

LATITUDE: 39.93315  
LONGITUDE: 109.75170

PROPOSED FORMATION: WSTC

RECEIVED AND/OR REVIEWED:

- Plat
- Bond: Fed[1] Ind[] Sta[] Fee[]  
(No. 76S630500330 )
- Potash (Y/N)
- Oil Shale 190-5 (B) or 190-3 or 190-13
- Water Permit  
(No. 43-10447 )
- RDCC Review (Y/N)  
(Date: \_\_\_\_\_ )
- Fee Surf Agreement (Y/N)

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: \_\_\_\_\_  
Eff Date: \_\_\_\_\_  
Siting: \_\_\_\_\_
- R649-3-11. Directional Drill

COMMENTS: \_\_\_\_\_

STIPULATIONS: 1- Federal Approval

2- Spacing Shp



# 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)

<date>

### Memorandum

To: Assistant District Manager Minerals, Vernal District  
From: Michael Coulthard, Petroleum Engineer  
Subject: 2002 Plan of Development River Bend Unit, Uintah County, Utah.

Pursuant to email between Diana Mason, Division of Oil, Gas and Mining, and Mickey Coulthard, Utah State Office, Bureau of Land Management. The following wells are planned for calendar year 2002 within the River Bend Unit, Uintah County, Utah.

Api Number	Well	Location
------------	------	----------

(Proposed PZ Wasatch)

43-047-34810 RBU 10-13E Sec. 13 T10S R19E 2426 FSL 2030 FEL  
43-047-34811 RBU 6-23E Sec. 23 T10S R19E 2288 FNL 1847 FWL  
43-047-34812 RBU 1-24E Sec. 24 T10S R19E 0841 FNL 0785 FEL

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  
Agr. Sec. Chron  
Fluid Chron

MCoulthard:mc:<date>-<date>-<date>



State of Utah  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

1594 West North Temple, Suite 1210  
PO Box 145801  
Salt Lake City, Utah 84114-5801  
(801) 538-5340 telephone  
(801) 359-3940 fax  
(801) 538-7223 TTY  
www.nr.utah.gov

Michael O. Leavitt  
Governor  
Robert L. Morgan  
Executive Director  
Lowell P. Braxton  
Division Director

December 9, 2002

Dominion Exploration & Production, Inc.  
14000 Quail Springs Parkway, Suite 600  
Oklahoma City, OK 73134

Re: River Bend Unit 6-23E Well, 2288' FNL, 1847' FWL, SE NW, Sec. 23, T. 10 South,  
R. 19 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.

Appropriate information has been submitted to DOGM and administrative approval of the requested exception location is hereby 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 43-047-34811.

Sincerely,

A handwritten signature in black ink, appearing to read 'John R. Baza'.

John R. Baza  
Associate Director

pb

Enclosures

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





State of Utah  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

1594 West North Temple, Suite 1210  
PO Box 145801  
Salt Lake City, Utah 84114-5801  
(801) 538-5340 telephone  
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www.nr.utah.gov

Michael O. Leavitt  
Governor  
Robert L. Morgan  
Executive Director  
Lowell P. Braxton  
Division Director

April 15, 2003

Carla Christian  
Dominion Expl. & Prod., Inc.  
14000 Quail Springs Pkwy Suite 600  
Oklahoma City, OK 73134

Re: APD Rescinded – RBU 6-23E, Sec. 23, T.10S, R.19E – Uintah County, Utah,  
API No. 43-047-34811

Dear Ms. Christian:

The Application for Permit to Drill (APD) for the subject well was approved by the Division of Oil, Gas and Mining (Division) on December 9, 2002. On April 15, 2003, the Division received a letter from the Bureau of Land Management (BLM), which states that the permit filed with the BLM was being returned unapproved as per your request. I contacted you at that time and you requested that the APD filed with the Division be rescinded. No drilling activity at this location has been reported to the division. Therefore, approval to drill the well is hereby rescinded, effective April 15, 2003, as requested.

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  
Engineering Technician

cc: Well File  
Bureau of Land Management, Vernal