

February 18, 2005

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

RE: Application for Permit to Drill—Dominion Exploration & Production, Inc.  
HCU 9-32F, 1,903 FSL, 685' FEL, NE/4 SE/4,  
Section 32, T10S, R20E, SLB&M, Uintah County, Utah

Dear Mrs. Whitney:

On behalf of Dominion Exploration & Production, Inc. (Dominion), Buys & Associates, Inc. respectfully submits the enclosed original and one copy of the *Application for Permit to Drill (APD)* for the above referenced well. 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" - Drilling Plan;
- Exhibit "E" - Surface Use Plan;
- Exhibit "F" - Typical BOP and Choke Manifold diagram.

Please accept this letter as Dominion's, written request for confidential treatment of all information contained in and pertaining to this application.

Thank you very much for your timely consideration of this application. Please feel free to contact myself or Carla Christian of Dominion at 405-749-5263 if you have any questions or need additional information.

Sincerely,

*Don Hamilton*  
Don Hamilton  
Agent for Dominion

cc: Fluid Mineral Group, BLM—Vernal Field Office  
Carla Christian, Dominion  
Marty Buys, Buys & Associates, Inc.

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FEB 23 2005

DIV. OF OIL, GAS & MINING

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

FORM 3

001

AMENDED REPORT   
(highlight changes)

<b>APPLICATION FOR PERMIT TO DRILL</b>			5. MINERAL LEASE NO: ML-22313-2	6. SURFACE: Federal
1A. TYPE OF WORK: DRILL <input checked="" type="checkbox"/> REENTER <input type="checkbox"/> DEEPEN <input type="checkbox"/>			7. IF INDIAN, ALLOTTEE OR TRIBE NAME: N/A	
B. TYPE OF WELL: OIL <input type="checkbox"/> GAS <input checked="" type="checkbox"/> OTHER _____ SINGLE ZONE <input checked="" type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>			8. UNIT or CA AGREEMENT NAME: Hill Creek Unit	
2. NAME OF OPERATOR: Dominion Exploration & Production, Inc.			9. WELL NAME and NUMBER: HCU 9-32F	
3. ADDRESS OF OPERATOR: 14000 Quail Sp Pkwy CITY Oklahoma City STATE OK ZIP 73134			PHONE NUMBER: (405) 749-5263	10. FIELD AND POOL, OR WILDCAT: Natural Buttes
4. LOCATION OF WELL (FOOTAGES) AT SURFACE: 1,903' FSL, 685' FEL AT PROPOSED PRODUCING ZONE:			11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NESE 32 10 20 S	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE: 12.90 miles south of Ouray, Utah			12. COUNTY: Uintah	13. STATE: UTAH
15. DISTANCE TO NEAREST PROPERTY OR LEASE LINE (FEET) 200'	16. NUMBER OF ACRES IN LEASE: 640	17. NUMBER OF ACRES ASSIGNED TO THIS WELL: 40		
18. DISTANCE TO NEAREST WELL (DRILLING, COMPLETED, OR APPLIED FOR) ON THIS LEASE (FEET) 1,100'	19. PROPOSED DEPTH: 8,000	20. BOND DESCRIPTION: SITLA Blanket 76S 63050 361		
21. ELEVATIONS (SHOW WHETHER DF, RT, GR, ETC.): 5,308'	22. APPROXIMATE DATE WORK WILL START: 7/1/2005	23. ESTIMATED DURATION: 14 days		

24. **PROPOSED CASING AND CEMENTING PROGRAM**

SIZE OF HOLE	CASING SIZE, GRADE, AND WEIGHT PER FOOT			SETTING DEPTH	CEMENT TYPE, QUANTITY, YIELD, AND SLURRY WEIGHT	
12-1/4"	8-5/8"	J-55 ST	32#	2,000	see Drilling Plan	252/219/100
7-7/8"	5-1/2"	Mav 80 L	17#	8,000	see Drilling Plan	160/435

25. **ATTACHMENTS**

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

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

NAME (PLEASE PRINT) Don Hamilton TITLE Agent for Dominion Exploration & Production, Inc.

SIGNATURE Don Hamilton DATE 2/18/2005

(This space for State use only)

API NUMBER ASSIGNED: 43-047-36323

**Approved by the  
Utah Division of  
Oil, Gas and Mining**

Date: 03-01-05  
(See instructions on Reverse Side)  
By: [Signature]

**RECEIVED  
FEB 23 2005**

DIV. OF OIL, GAS & MINING

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

DOMINION EXPLR. & PROD., INC.

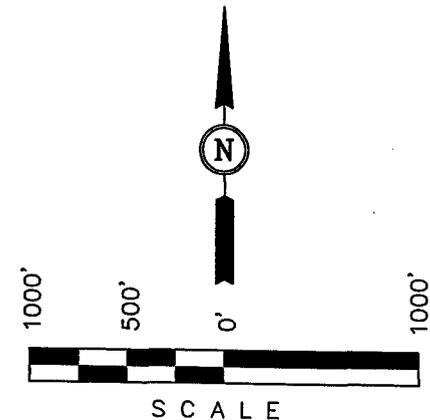
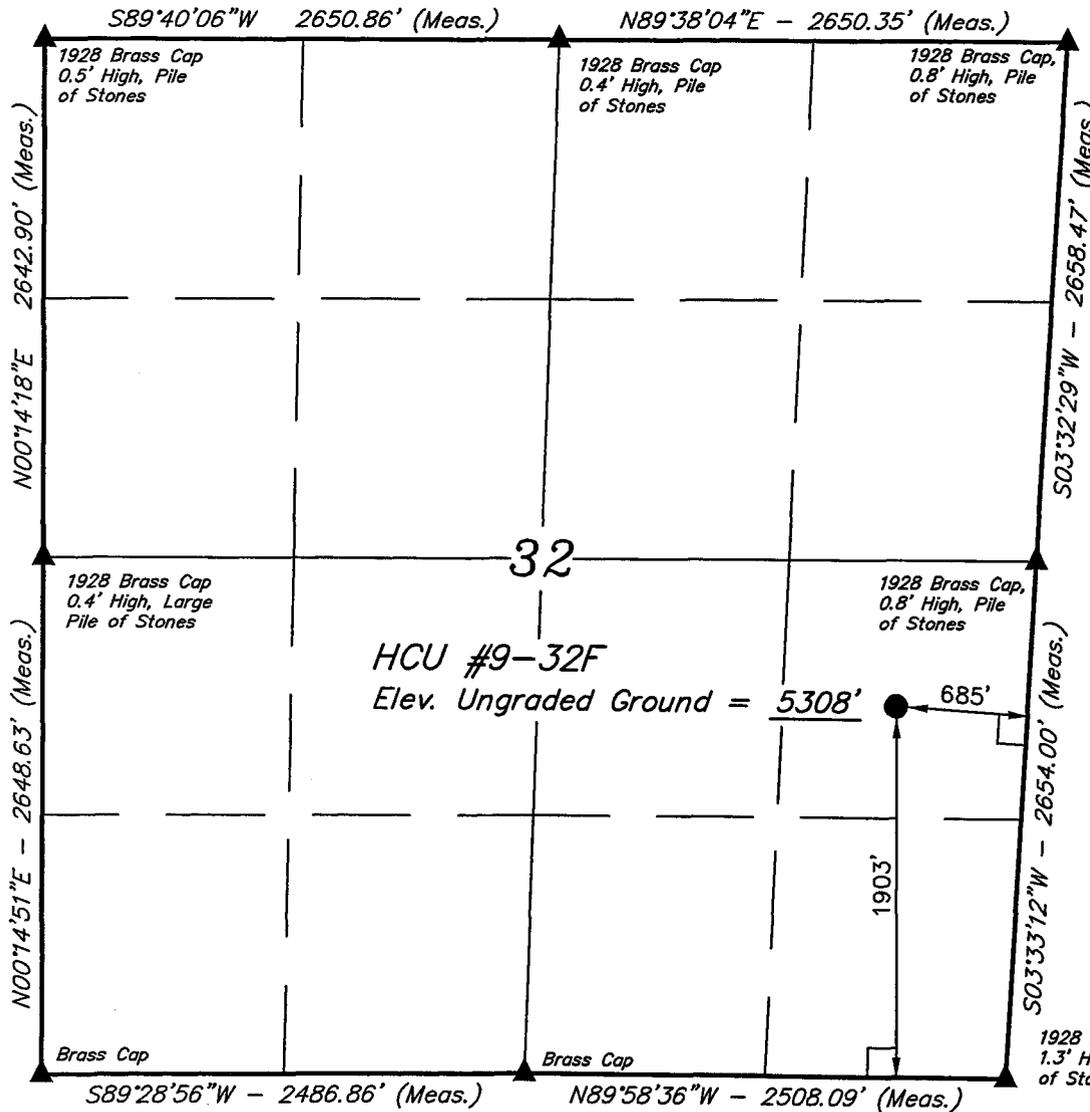
Well location, HCU #9-32F, located as shown in the NE 1/4 SE 1/4 of Section 32, T10S, R20E, S.L.B.&M. Uintah County Utah.

BASIS OF ELEVATION

SPOT ELEVATION LOCATED AT THE SOUTHWEST CORNER OF SECTION 20, T10S, R20E, S.L.B.&M. TAKEN FROM THE BIG PACK 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.

BASIS OF BEARINGS

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



CERTIFICATE

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

*John A. Hay*

REGISTERED LAND SURVEYOR  
REGISTRATION NO. 164319  
STATE OF UTAH

LEGEND:

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

(NAD 83)  
LATITUDE = 39°54'05.83" (39.901619)  
LONGITUDE = 109°40'56.05" (109.682236)  
(NAD 27)  
LATITUDE = 39°54'05.96" (39.901656)  
LONGITUDE = 109°40'53.56" (109.681544)

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

SCALE 1" = 1000'	DATE SURVEYED: 01-24-05	DATE DRAWN: 01-31-05
PARTY B.B. J.M. D.R.B.	REFERENCES G.L.O. PLAT	
WEATHER COLD	FILE DOMINION EXPLR. & PROD., INC	

# DRILLING PLAN

## APPROVAL 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:** HCU 9-32F  
1903' FSL & 685' FEL  
Section 32-10S-20E  
Uintah County, UT

1. GEOLOGIC SURFACE FORMATION Uintah

2. ESTIMATED DEPTHS OF IMPORTANT GEOLOGIC MARKERS

<u>Formation</u>	<u>Depth</u>
Wasatch Tongue	3,585'
Uteland Limestone	3,940'
Wasatch	4,085'
Chapita Wells	5,050'
Uteland Buttes	6,270'
Mesaverde	7,180'

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

<u>Formation</u>	<u>Depth</u>	<u>Type</u>
Wasatch Tongue	3,585'	Oil
Uteland Limestone	3,940'	Oil
Wasatch	4,085'	Gas
Chapita Wells	5,050'	Gas
Uteland Buttes	6,270'	Gas
Mesaverde	7,180'	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	8-5/8"	32.0 ppf	J-55	STC	0'	2,000'	12-1/4"
Production	5-1/2"	17.0 ppf	MAV-80	LTC	0'	8,000'	7-7/8"

Note: The drilled depth of the surface hole and the setting depth of the surface casing may vary from 1,700' to 2,000'. Should a lost circulation zone be encountered while drilling, casing will be set approximately 300' below the lost circulation zone. If no lost circulation zone is encountered, casing to be set at 2,000'±.

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## DRILLING PLAN

### APPROVAL OF OPERATIONS

#### 5. OPERATOR'S MINIMUM SPECIFICATIONS FOR PRESSURE CONTROL

Surface hole: No BOPE will be utilized. Air foam mist, rotating head and diverter system will be utilized.

Production hole: Prior to drilling out the surface casing shoe, 3,000 psi or greater BOP equipment will be installed. The pipe rams will be operated at least once per day from intermediate casing to total depth. The blind rams will be tested once per day from intermediate casing to total depth if operations permit.

A diagram of the planned BOP equipment for normal drilling operations in this area is attached. As denoted there will be two valves and one check valve on the kill line, two valves on the choke line, and two adjustable chokes on the manifold system. The BOP "stack" will consist of two BOP rams (1 pipe, 1 blind) and one annular type preventer, all rated to a minimum of 3,000 psi working pressure.

The BOP equipment will be pressure tested prior to drilling below the intermediate casing shoe. All test pressures will be maintained for fifteen (15) minutes without any significant pressure decrease. Clear water will be circulated into the BOP stack and lines prior to pressure testing. The following test pressures will be used as a minimum for various equipment items.

1.	Annular BOP	1,500 psi
2.	Ram type BOP	3,000 psi
3.	Kill line valves	3,000 psi
4.	Choke line valves and choke manifold valves	3,000 psi
5.	Chokes	3,000 psi
6.	Casing, casinghead & weld	1,500 psi
7.	Upper kelly cock and safety valve	3,000 psi
8.	Dart valve	3,000 psi

#### 6. MUD SYSTEMS

- An air or an air/mist system may be used to drill to drill the surface hole until water influx becomes too great.
- KCL mud system will be used to drill well.

<u>Depths</u>	<u>Mud Weight (ppg)</u>	<u>Mud System</u>
0' – 2,000'	8.4	Air foam mist, rotating head and diverter
2,000' – 8,000'	8.6	Fresh water/2% KCL/KCL mud system

#### 7. BLOOIE LINE

- An automatic igniter will not be installed on blooie line. The blooie will have a constant ignition source.
- A "target tee" connection will be installed on blooie line for 90° change of directions for abrasion resistance.
- "Target tee" connections will be a minimum of 50' from wellhead.
- The blooie line discharge will be a minimum of 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 the kelly is not in string.

#### 9. TESTING, LOGGING, AND CORING PROGRAMS TO BE FOLLOWED

- A drillstem test in the Wasatch Tongue is possible.
- One electric line wire-log will be run from total depth to surface casing.
- The gamma ray will be left on to record from total depth to surface casing.
- Other log curves (resistivities, porosity, and caliper) will record from total depth to surface casing.
- A dipmeter, percussion cores, or rotary cores may be run over selected intervals.

#### 10. ANTICIPATED ABNORMAL PRESSURES OR TEMPERATURES EXPECTED

- Expected BHP 1,500–2,000 psi (lower than normal pressure gradient).
- No abnormal temperature or pressures are anticipated.
- The formations to be penetrated do not contain known H<sub>2</sub>S gas.

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**DRILLING PLAN**

**APPROVAL OF OPERATIONS**

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 12-1/4" hole to 2,000'±, run and cement 8-5/8" to surface (depth to vary based on depth of lost circulation zone).
- Pump 20 bbls lightly weighted water spacer followed by 5 bbls fresh water. Displace with any available water.
- 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.
- Cement the casing annulus to surface. Top out jobs to be performed if needed. Depending to depth of top of cement in the annulus, a 1" tubing string may or may not be utilized.

<u>Type</u>	<u>Sacks</u>	<u>Interval</u>	<u>Density</u>	<u>Yield</u>	<u>Hole</u>	<u>Cement</u>	<u>Excess</u>
					<u>Volume</u>	<u>Volume</u>	
Lead	252	0'-1,500'	11.0 ppg	3.82 CFS	619 CF	835 CF	35%
Tail	219	1,500'-2,000'	15.6 ppg	1.18 CFS	220 CF	297 CF	35%
Top Out	100	0'-200'	15.6 ppg	1.18 CFS	95 CF	118 CF	24% (if required)

Lead Mix: Premium Plus V blend. Blend includes Class "G" cement, gel, salt, gilsonite.  
 Slurry yield: 3.82 cf/sack                      Slurry weight: 11.00 #/gal.  
 Water requirement: 22.95 gal/sack

Tail Mix: Class "G" Cement, 1/4 lb/sk Cellophane Flakes + 2% bwoc Calcium Chloride + 44.3% fresh water.  
 Slurry yield: 1.18 cf/sack                      Slurry weight: 15.60 #/gal.  
 Water requirement: 5.2 gal/sack

Top Out: Class "G" Cement, 1/4 lb/sk Cellophane Flakes + 2% bwoc Calcium Chloride + 44.3% fresh water.  
 Slurry yield: 1.18 cf/sack                      Slurry weight: 15.60 #/gal.  
 Water requirement: 5.2 gal/sack

c. **Production Casing Cement:**

- Drill 7-7/8" hole to 8,000'±, run and cement 5 1/2".
- Cement interface is at 4,000', which is typically 500'-1,000' above shallowest pay.
- Pump 20 bbl Mud Clean II unweighted spacer, followed by 20 Bbls fresh H2O spacer.
- Displace with 3% KCL.

<u>Type</u>	<u>Sacks</u>	<u>Interval</u>	<u>Density</u>	<u>Yield</u>	<u>Hole</u>	<u>Cement</u>	<u>Excess</u>
					<u>Volume</u>	<u>Volume</u>	
Lead	160	3,700'-4,700'	11.5 ppg	3.12 CFS	175 CF	350 CF	100%
Tail	435	4,700'-8,000'	13.0 ppg	1.75 CFS	473 CF	946 CF	100%

Note: A caliper log will be ran to determine cement volume requirements.

Lead Mix: Halliburton Prem Plus V blend. Blend includes Class "C" cement, gel, salt, gilsonite, EX-1 and HR-7.  
 Slurry yield: 3.12 cf/sack                      Slurry weight: 11.60 #/gal.  
 Water requirement: 17.71 gal/sack  
 Compressives @ 130°F: 157 psi after 24 hours

Tail Mix: Halliburton HLC blend (Prem Plus V/JB flyash). Blend includes Class "G" cement, KCl, EX-1, Halad 322, & HR-5.  
 Slurry yield: 1.75 cf/sack                      Slurry weight: 13.00 #/gal.  
 Water requirement: 9.09 gal/sack  
 Compressives @ 165°F: 905 psi after 24 hours

13. **ANTICIPATED STARTING DATE AND DURATION OF THE OPERATIONS**

Starting Date: July 1, 2005  
 Duration: 14 Days

## SURFACE USE PLAN

### CONDITIONS OF APPROVAL

#### *Attachment for Permit to Drill*

**Name of Operator:** Dominion Exploration & Production  
**Address:** 14000 Quail Springs Parkway, Suite 600  
Oklahoma City, OK 73134  
**Well Location:** HCU 9-32F  
1903' FSL & 685' FEL  
Section 32-10S-20E  
Uintah County, UT

**The referenced well is located on Federal surface, BLM surface use must be obtained prior to any surface disturbing activities and is being requested through a sundry notice application since all activities will be located within the Hill Creek Federal Unit boundary.**

The dirt contractor will be provided with an approved copy of the surface use plan of operations before initiating construction.

The Federal onsite inspection for the referenced well was conducted on Wednesday, February 9, 2005 at approximately 12:05 am. In attendance at the onsite inspection were the following individuals:

Ken Secrest	Foreman	Dominion E & P, Inc.
Brandon Bowthorpe	Surveyor	Uintah Engineering and Land Surveying
Jesse Merkley	Surveyors Helper	Uintah Engineering and Land Surveying
Stan Olmstead	Nat. Res. Prot. Spec.	Bureau of Land Management – Vernal
Don Hamilton	Permitting Agent	Buys & Associates, Inc.

A state onsite inspection, if required, is pending at this time.

1. Existing Roads:

- a. The proposed well site is located approximately 12.90 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 Hill Creek Unit. 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 existing Hill Creek Unit boundary.

2. Planned Access Roads:

- a. No upgraded or new access is proposed for this well since it lies adjacent to the proposed road that will access the HCU 10-28F.

3. Location of Existing Wells:

- a. Following is a list of existing wells within a one mile radius of the proposed well:

i. Water wells	None
ii. Injection wells	None
iii. Disposal wells	None
iv. Drilling wells	None
v. Temp. shut-in wells	1
vi. Producing wells	2
vii. Abandon wells	None

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

4. Location of Production Facilities:

- a. All permanent structures will be painted a flat, non-reflective Desert Brown 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 location; it will be surrounded by a dike of sufficient capacity to contain the storage capacity of the largest tank. All loading lines and valves will be placed inside the berm surrounding the tank battery. All liquid hydrocarbons production and measurement shall conform to the provisions of 43 CFR 3162.7-3 and Onshore Oil and Gas Order No. 4 and Onshore Oil and Gas Order No. 5 for natural gas production and measurement.
- e. Any necessary pits will be properly fenced to prevent any wildlife and livestock entry.
- f. All access roads will be maintained as necessary to prevent erosion and accommodate year-round traffic. The road will be maintained in a safe useable condition.
- g. The site will require periodic maintenance to ensure that drainages are kept open and free of debris, ice, and snow, and that surfaces are properly treated to reduce erosion, fugitive dust, and impacts to adjacent areas.

- h. A gas pipeline is associated with this application and is being applied for at this time. The proposed gas pipeline corridor will leave the northwest side of the well site and traverse 820' northeast to the proposed pipeline that will service the HCU 7-32F.
- i. The new gas pipeline will be a 4" steel surface line within a 20' wide utility corridor. The use of the proposed well site and access roads will facilitate the staging of the pipeline construction. A new pipeline length of approximately 820' is associated with this well.
- j. Dominion intends on installing the pipeline on the surface by welding many joints into long lengths, dragging the long lengths into position and then completing a final welding pass to join the long lengths together. Dominion intends on connecting the pipeline together utilizing conventional welding technology.

5. Location and Type of Water Supply:

- a. The location and type of water supply has been addressed as number 11 within the previous drilling plan information.

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 Disposal:

- 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 northeast 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 12 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 Dominion 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.

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 southeast.
- c. The pad and road designs are consistent with BLM and Tribal specification
- d. A pre-construction meeting with responsible company representative, contractors, 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 of 355' X 200'; however it will be constructed smaller if possible, depending upon rig availability. Should the layout change, this application will be amended and approved utilizing a sundry notice.

- f. All surface disturbing activities, will be supervised by a qualified, responsible company representative who is aware of the terms and conditions of the APD and specifications in the approved plans.
- g. All cut and fill slopes will be such that stability can be maintained for the life of the activity.
- h. Diversion ditches will be constructed as shown around the well site to prevent surface waters from entering the well site area.
- i. The site surface will be graded to drain away from the pit to avoid pit spillage during large storm events.
- j. The stockpiled topsoil (first 6 inches or maximum available) will be stored in a windrow on the uphill side of the location to prevent any possible contamination. All topsoil will be stockpiled for reclamation in such a way as to prevent soil loss and contamination.
- k. Pits will remain fenced until site cleanup.
- l. The blooie line will be located at least 100 feet from the well head.
- m. Water injection may be implemented if necessary to minimize the amount of fugitive dust.

10. Plans for Restoration of the Surface:

- 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. 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 BLM or the appropriate County Extension Office. On Ute Tribal and BLM 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.
- c. 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 recontoured to the approximate natural contours.
- d. The cut and fill slopes and all other disturbed areas not needed for the production operation will be top soiled and re-vegetated. The stockpiled topsoil will be evenly distributed over the disturbed area.
- e. Prior to reseeding 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 BLM. The BLM recommended seed mix will is 4# Shads Scale, 4# Galletta Grass, 2# Matt Salt Brush and 2# Indian Rice Grass

11. Surface and Mineral Ownership:

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

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

12. Other Information:

- a. AIA Archaeological will conduct a Class III archeological survey once snow cover is gone. A copy of the report will be submitted under separate cover to the appropriate agencies by AIA Archaeological.
- b. Our understanding of the results of the federal onsite inspection are:
  - a. No drainage crossings that require additional State or Federal approval are being crossed.
  - b. A biological review by the BLM in the spring will be necessary to confirm the presence of threatened and endangered flora and fauna species.
  - c. No raptor habitat is known to exist within 1 mile of the proposed wellsite.

13. Operator's Representative and Certification

<u>Title</u>	<u>Name</u>	<u>Office Phone</u>
Company Representative (Roosevelt)	Mitchiel Hall	1-435-722-4521
Company Representative (Oklahoma)	Carla Christian	1-405-749-5263
Agent for Dominion	Don Hamilton	1-435-637-4075

Certification:

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drill site and access route; that I am familiar with the conditions which currently exists; 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 by Dominion Exploration & Production, Inc. and its contractors and subcontractors in conformity with this APD package and the terms and conditions under which it is approved. I also certify responsibility for the operations conducted on that portion of the leased lands associated with this application, with bond coverage being provided under Dominion's State and BLM bond. This statement is subject to the provisions of 18 U.S.C. 1001 for the filing of a false statement.

Signature: Don Hamilton Date: 2-18-05

ORIGINAL

DOMINION EXPLR. & PROD., INC.  
HCU #9-32F  
SECTION 32, 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 2.8 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTHWEST; TURN LEFT AND PROCEED IN A SOUTHWESTERLY, THEN SOUTHEASTERLY DIRECTION APPROXIMATELY 4.6 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTHWEST; TURN RIGHT AND PROCEED IN A SOUTHWESTERLY DIRECTION APPROXIMATELY 0.45 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTH; TURN RIGHT AND PROCEED IN A NORTHERLY DIRECTION APPROXIMATELY 0.6 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING TWO-TRACK ROAD TO THE NORTHWEST; TURN RIGHT AND PROCEED IN A NORTHWESTERLY DIRECTION APPROXIMATELY 0.3 MILES TO THE BEGINNING OF THE PROPOSED ACCESS FOR THE #10-28F TO THE NORTHWEST; FOLLOW ROAD FLAGS IN A NORTHWESTERLY, THEN WESTERLY, THEN NORTHERLY, THEN NORTHEASTERLY DIRECTION APPROXIMATELY 1.9 MILES TO THE PROPOSED LOCATION.

TOTAL DISTANCE FROM VERNAL, UTAH TO THE PROPOSED WELL LOCATION IS APPROXIMATELY 49.9 MILES.

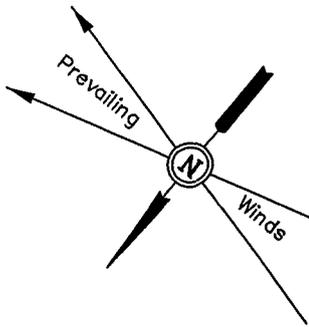
DOMINION EXPLR. & PROD., INC.

LOCATION LAYOUT FOR

HCU #9-32F

SECTION 32, T10S, R20E, S.L.B.&M.

1903' FSL 685' FEL



SCALE: 1" = 50'  
DATE: 01-31-05  
Drawn By: D.R.B.

Proposed Access Road

C-4.5'  
El. 311.4'

C-6.0'  
El. 312.9'

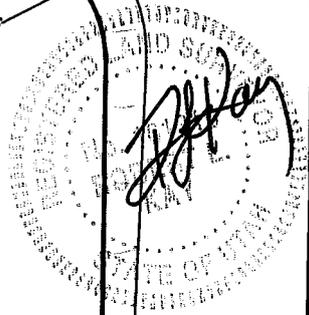
C-7.6'  
El. 314.5'



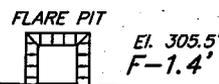
Approx. Top of Cut Slope

Sta. 3+55

Round Corners as Needed



Pit Topsoil



El. 303.9'  
C-5.0'  
(btm. pit)

20' WIDE BENCH

El. 306.2'  
F-0.7'

C-0.8'  
El. 307.7'

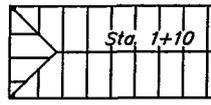
135' Sta. 1+80

C-3.9'  
El. 310.8'

Reserve Pit Backfill & Spoils Stockpile

10' WIDE BENCH/DIKE

Total Pit Capacity  
W/2' of Freeboard  
= 10,750 Bbls. ±  
Total Pit Volume  
= 3,120 Cu. Yds.



RESERVE PITS  
(8' Deep)

Sta. 0+52

El. 301.6'  
C-2.7'  
(btm. pit)

B

20' WIDE DIKE

F-3.2'  
El. 303.7'

Approx. Toe of Fill Slope

A

180'

Sta. 0+00

F-4.1'  
El. 302.8'

F-3.0'  
El. 303.9'

C-0.2'  
El. 307.1'

Proposed Access Road to the #10-28F

Elev. Ungraded Ground at Location Stake = 5307.7'  
Elev. Graded Ground at Location Stake = 5306.9'

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

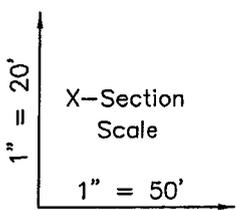
DOMINION EXPLR. & PROD., INC.

TYPICAL CROSS SECTIONS FOR

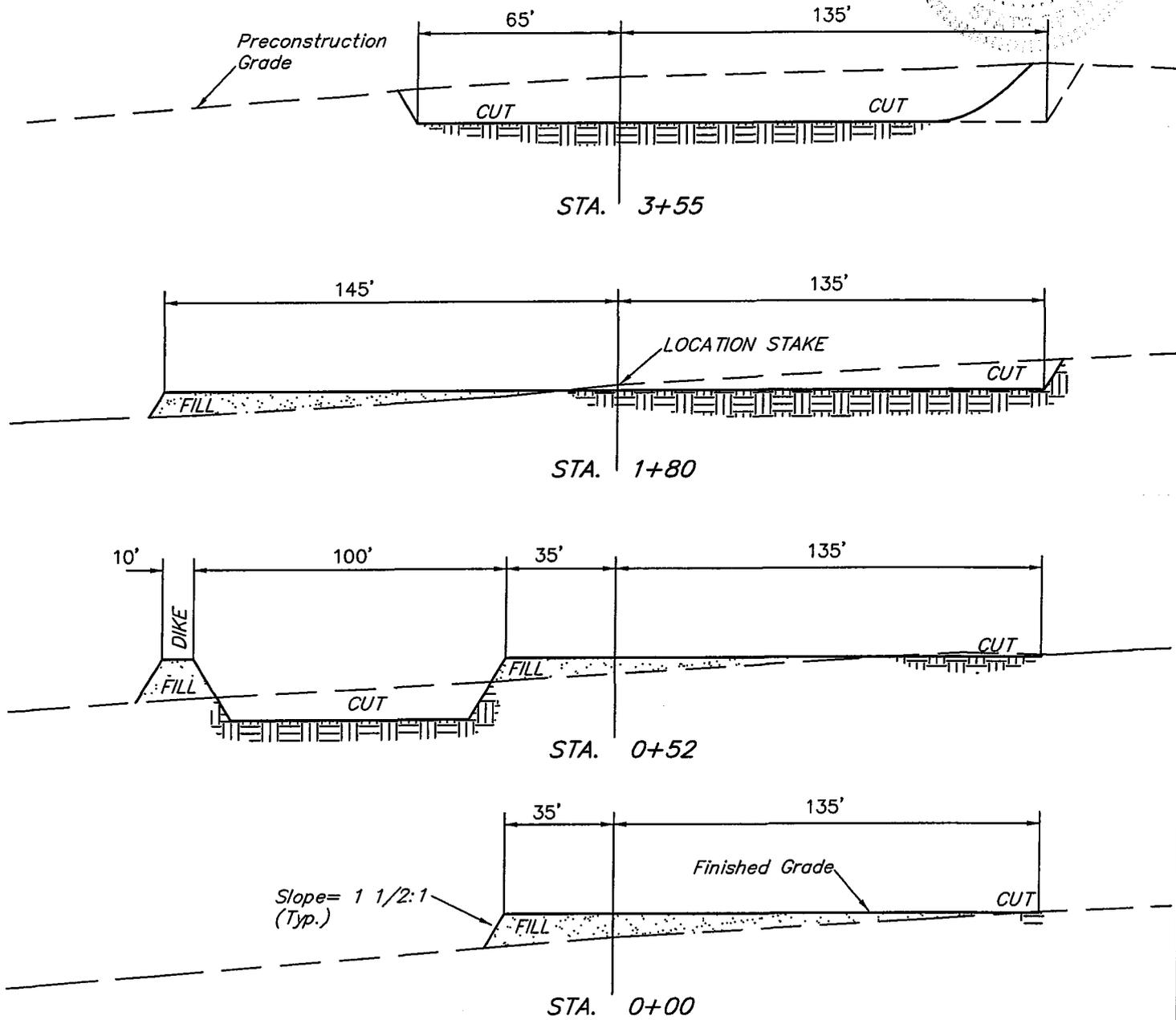
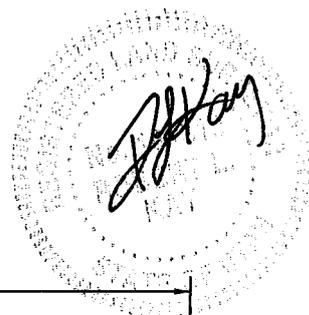
HCU #9-32F

SECTION 32, T10S, R20E, S.L.B.&M.

1903' FSL 685' FEL



DATE: 01-31-05  
Drawn By: D.R.B.



APPROXIMATE YARDAGES

CUT	
(6") Topsoil Stripping	= 1,750 Cu. Yds.
Remaining Location	= 6,430 Cu. Yds.
<b>TOTAL CUT</b>	<b>= 8,180 CU.YDS.</b>
<b>FILL</b>	<b>= 2,640 CU.YDS.</b>

\* NOTE:  
FILL QUANTITY INCLUDES  
5% FOR COMPACTION

EXCESS MATERIAL	= 5,540 Cu. Yds.
Topsoil & Pit Backfill (1/2 Pit Vol.)	= 3,310 Cu. Yds.
EXCESS UNBALANCE (After Rehabilitation)	= 2,230 Cu. Yds.

# DOMINION EXPLR. & PROD., INC.

## HCU #9-32F

LOCATED IN UINTAH COUNTY, UTAH  
SECTION 32, T10S, R20E, S.L.B.&M.

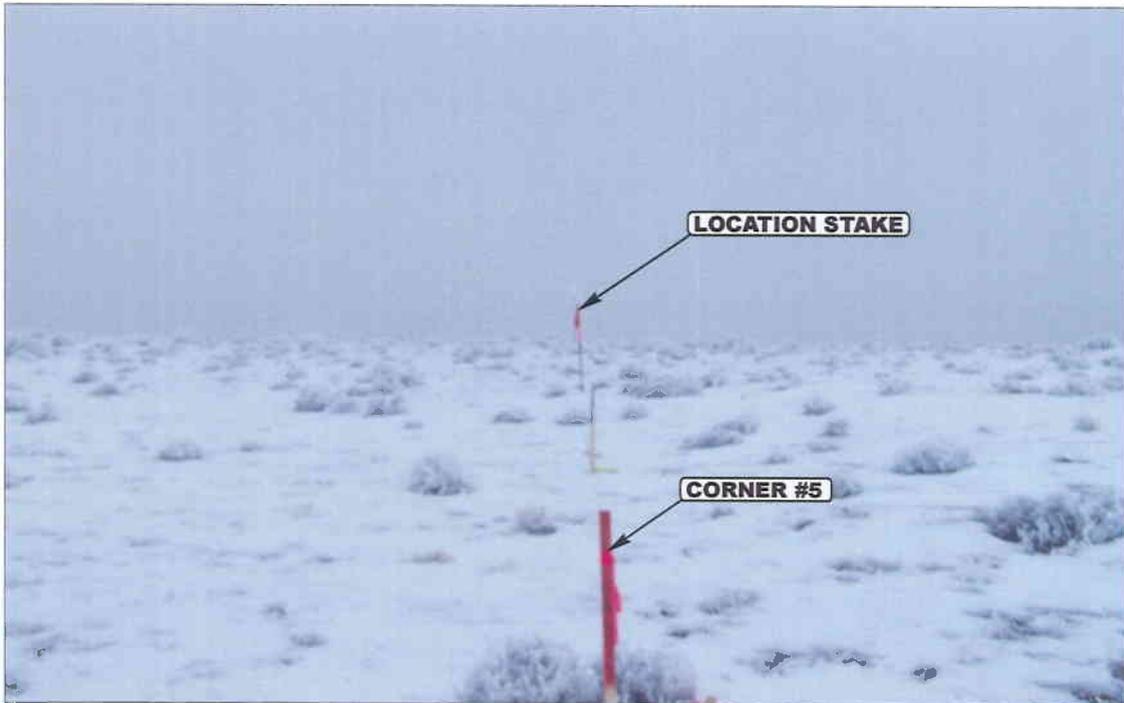


PHOTO: VIEW FROM CORNER #5 TO LOCATION STAKE

CAMERA ANGLE: SOUTHWESTERLY



PHOTO: VIEW FROM BEGINNING OF PROPOSED ACCESS

CAMERA ANGLE: NORTHWESTERLY



- Since 1964 -

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

LOCATION PHOTOS

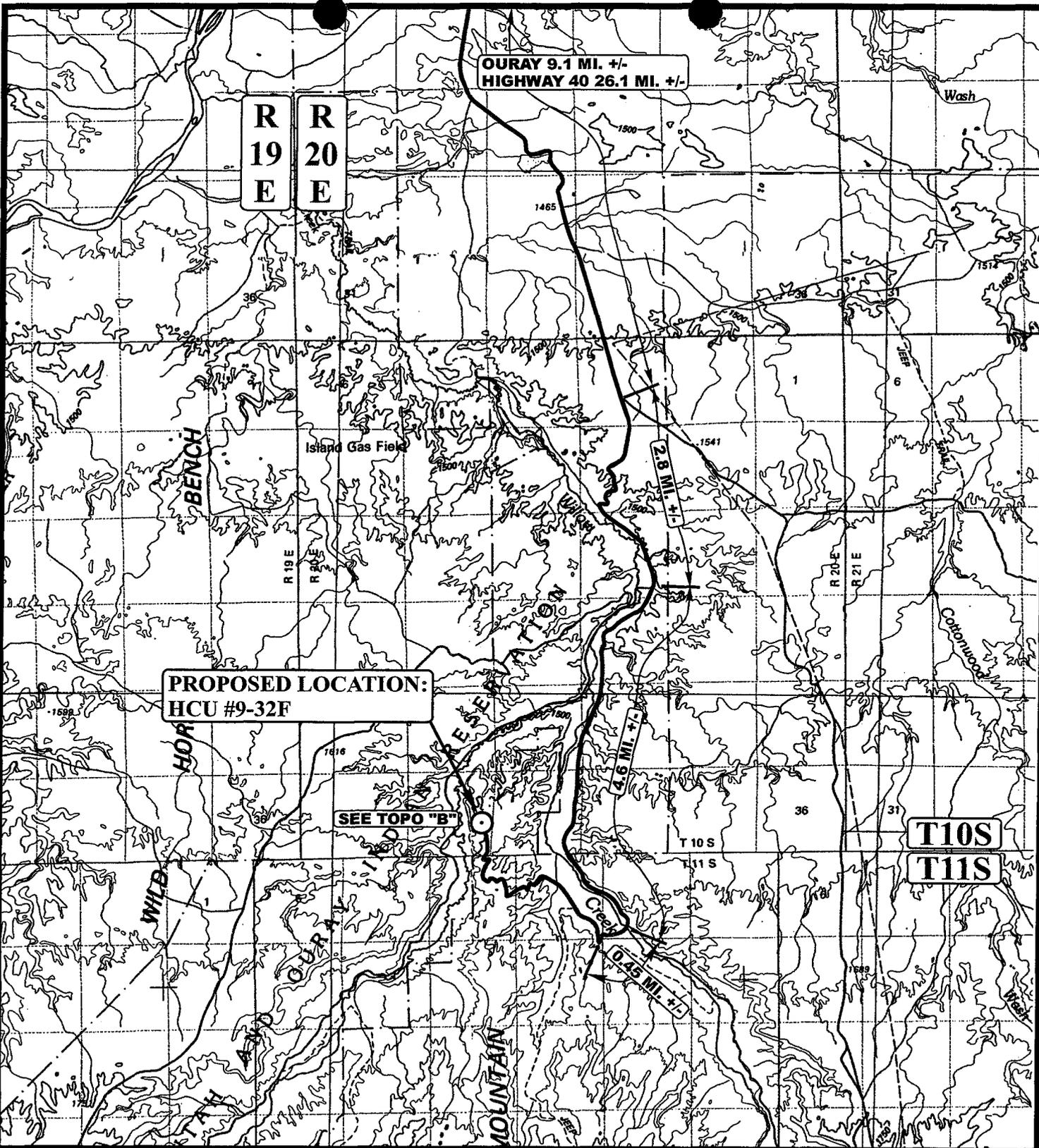
01 26 05  
MONTH DAY YEAR

PHOTO

TAKEN BY: B.B.

DRAWN BY: C.P.

REVISED: 00-00-00



OURAY 9.1 MI. +/-  
HIGHWAY 40 26.1 MI. +/-

R  
19  
E

R  
20  
E

PROPOSED LOCATION:  
HCU #9-32F

SEE TOPO "B"

T10S  
T11S

**LEGEND:**

○ PROPOSED LOCATION



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

HCU #9-32F  
SECTION 32, T10S, R20E, S.L.B.&M.  
1903' FSL 685' FEL

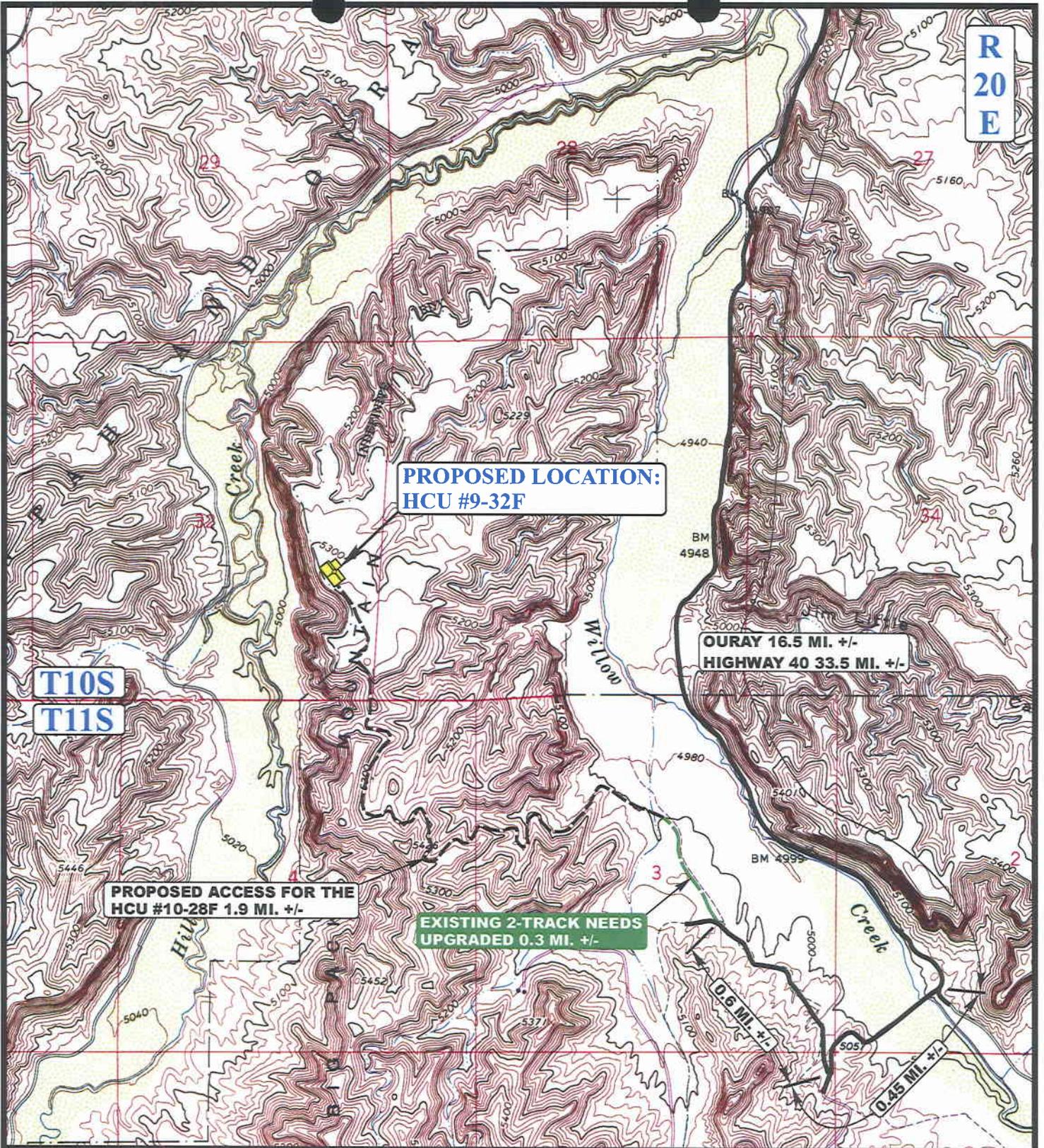


Uintah Engineering & Land Surveying  
85 South 200 East Vernal, Utah 84078  
(435) 789-1017 \* FAX (435) 789-1813

TOPOGRAPHIC MAP  
01 26 05  
MONTH DAY YEAR

SCALE: 1:100,000 DRAWN BY: C.P. REVISED: 00-00-00





**LEGEND:**

- EXISTING ROAD
- EXISTING 2-TRACK NEEDS UPGRADED

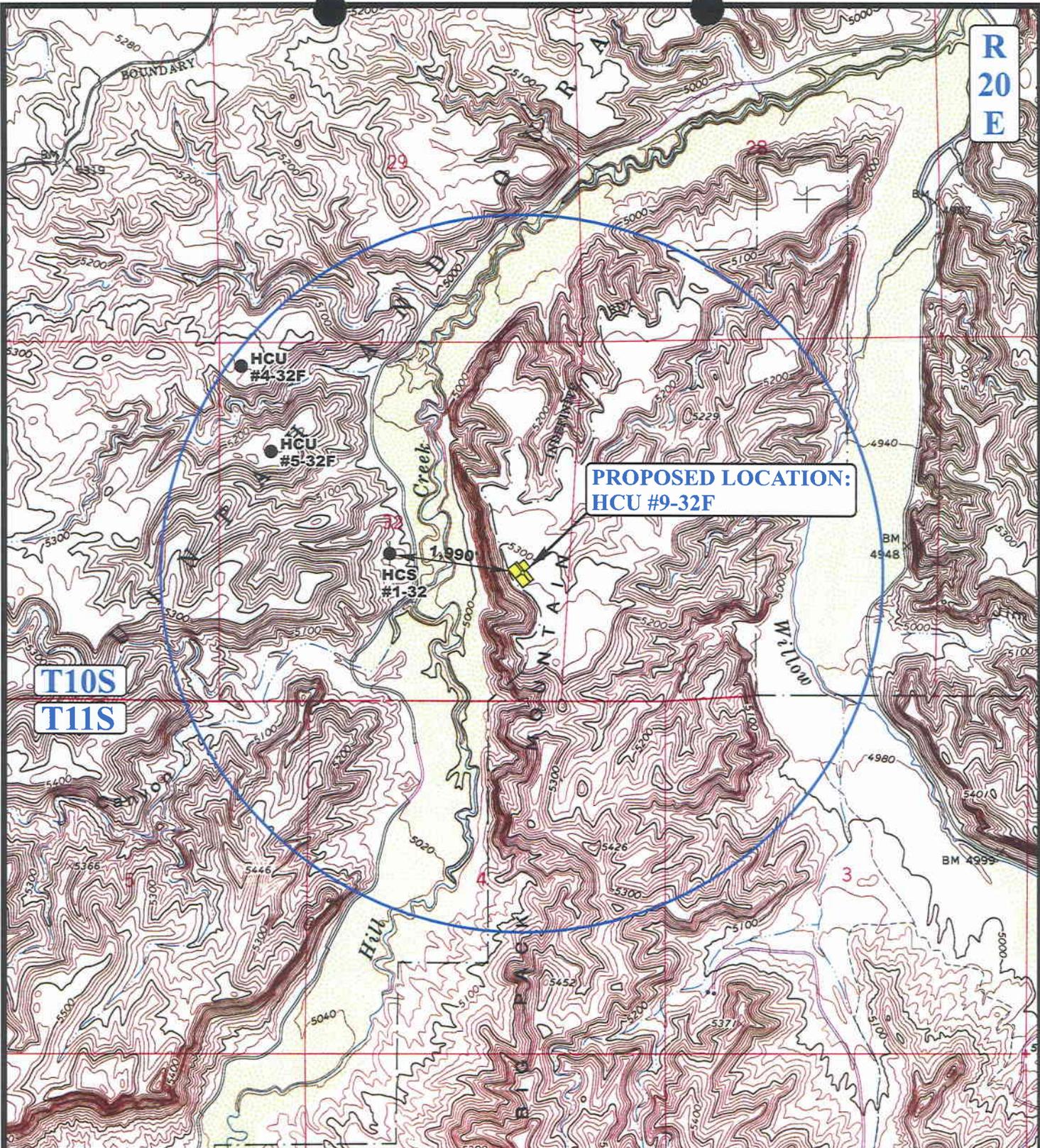
**DOMINION EXPLR. & PROD., INC.**

**HCU #9-32F**  
**SECTION 32, T10S, R20E, S.L.B.&M.**  
**1903' FSL 685' FEL**

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

**TOPOGRAPHIC** 01 26 05  
**MAP** MONTH DAY YEAR  
 SCALE: 1" = 2000' DRAWN BY: C.P. REVISED: 00-00-00





R  
20  
E

T10S  
T11S

PROPOSED LOCATION:  
HCU #9-32F

**LEGEND:**

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

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

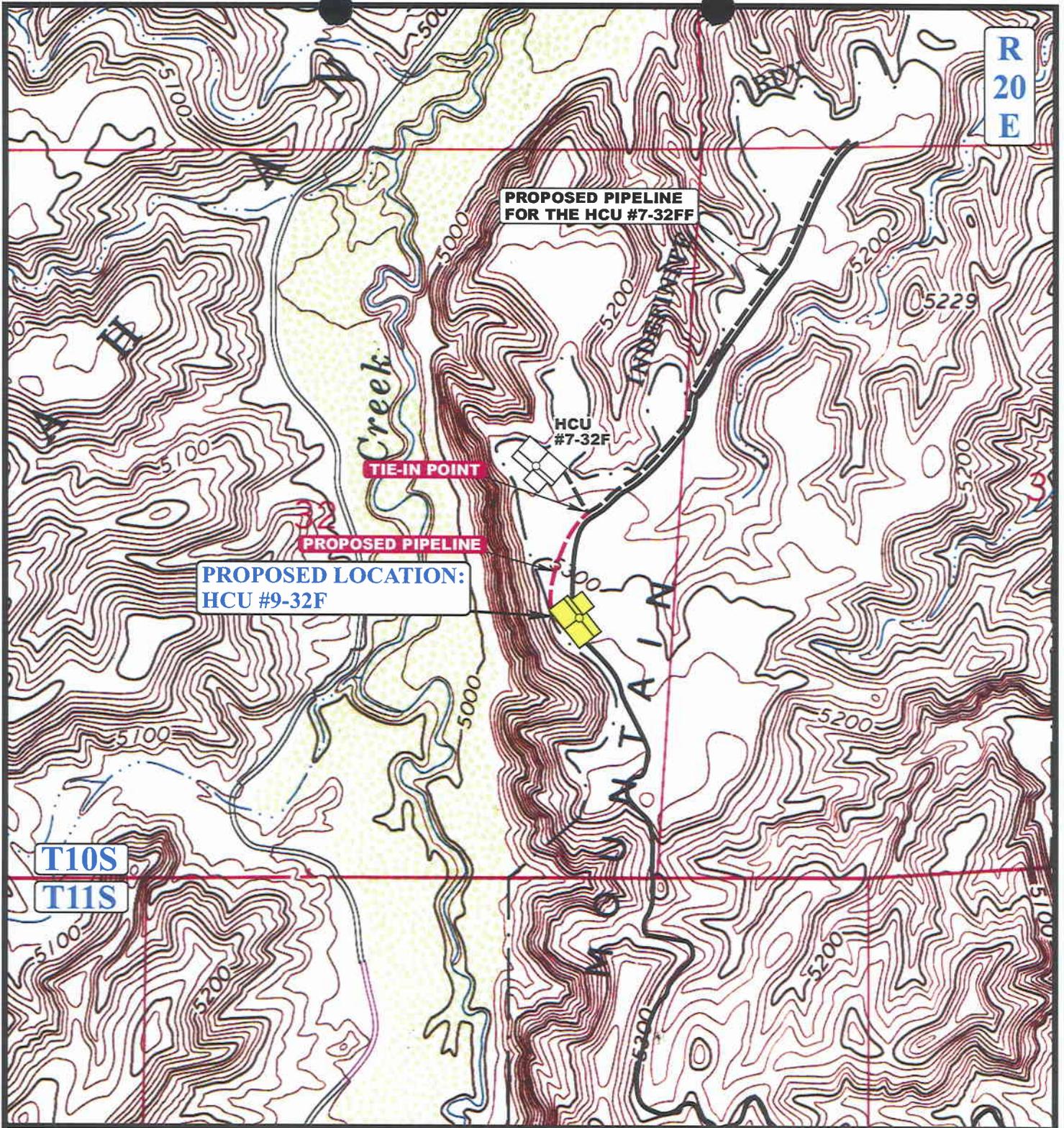
HCU #9-32F  
SECTION 32, T10S, R20E, S.L.B.&M.  
1903' FSL 685' FEL

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

**TOPOGRAPHIC MAP** 01 26 05  
MONTH DAY YEAR  
SCALE: 1" = 2000' DRAWN BY: C.P. REVISED: 00-00-00



R  
20  
E



PROPOSED LOCATION:  
HCU #9-32F

PROPOSED PIPELINE  
FOR THE HCU #7-32FF

TIE-IN POINT

PROPOSED PIPELINE

T10S  
T11S

APPROXIMATE TOTAL PIPELINE DISTANCE = 820' +/-

**LEGEND:**

-  EXISTING PIPELINE
-  PROPOSED PIPELINE



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

HCU #9-32F  
 SECTION 32, T10S, R20E, S.L.B.&M.  
 1903' FSL 685' FEL

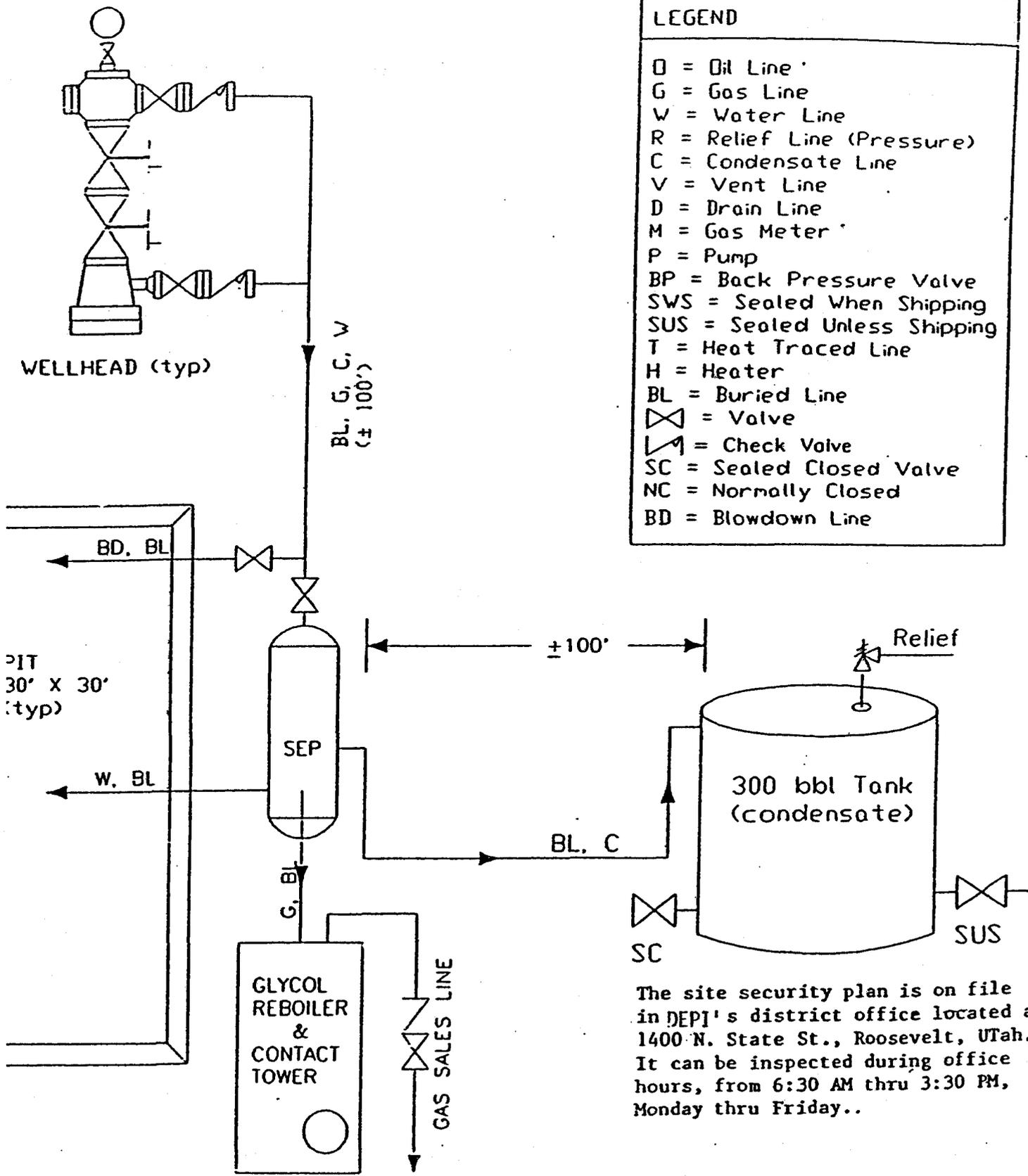
**U&L S** Uintah Engineering & Land Surveying  
 85 South 200 East Vernal, Utah 84078  
 (435) 789-1017 \* FAX (435) 789-1813

**TOPOGRAPHIC** 01 26 05  
**MAP** MONTH DAY YEAR  
 SCALE: 1" = 1000' DRAWN BY: C.P. REVISED: 00-00-00 **D TOPO**

CONFIDENTIAL

LEGEND

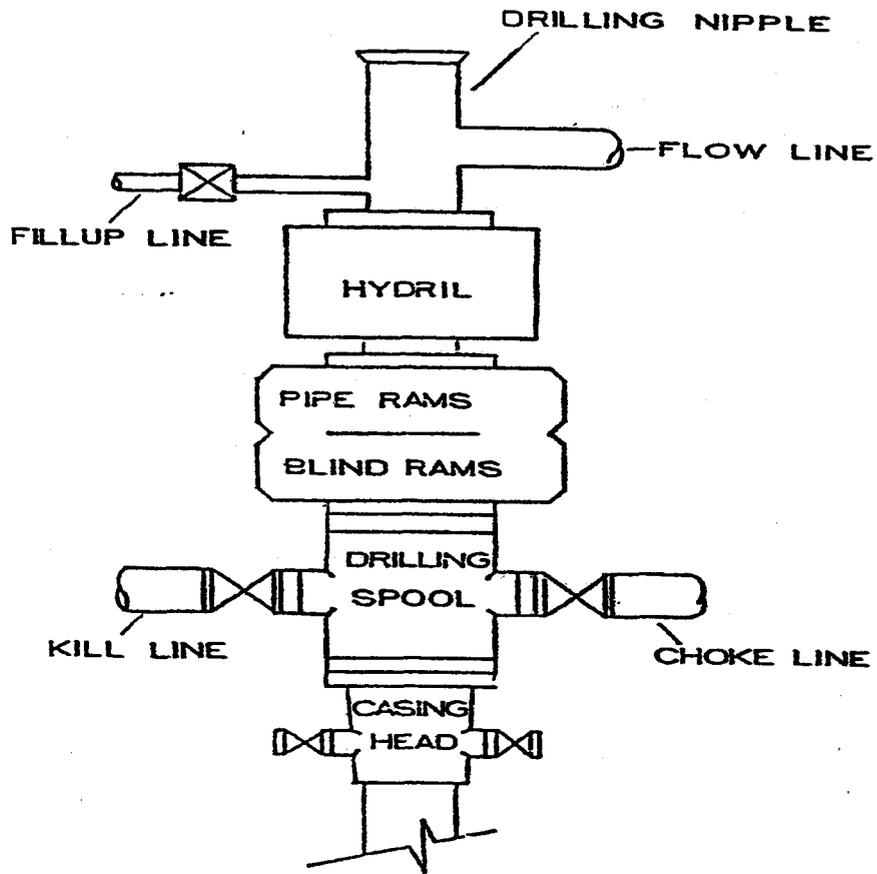
- O = Oil Line
- G = Gas Line
- W = Water Line
- R = Relief Line (Pressure)
- C = Condensate Line
- V = Vent Line
- D = Drain Line
- M = Gas Meter
- P = Pump
- BP = Back Pressure Valve
- SWS = Sealed When Shipping
- SUS = Sealed Unless Shipping
- T = Heat Traced Line
- H = Heater
- BL = Buried Line
-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



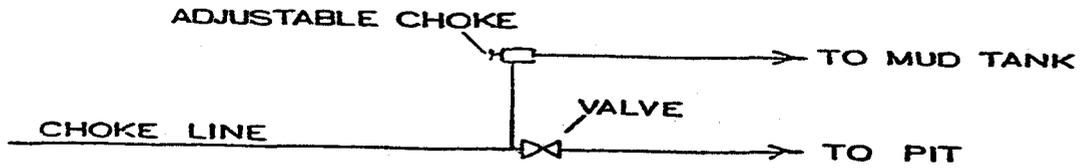
The site security plan is on file in DEPI's district office located at 1400 N. State St., Roosevelt, Utah. It can be inspected during office hours, from 6:30 AM thru 3:30 PM, Monday thru Friday..

DOMINION EXPLORATION & PRODUCTION, INC.

# BOP STACK



# CHOKER MANIFOLD



WORKSHEET  
APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 02/23/2005

API NO. ASSIGNED: 43-047-36323

WELL NAME: HCU 9-32F  
OPERATOR: DOMINION EXPL & PROD ( N1095 )  
CONTACT: DON HAMILTON

PHONE NUMBER: 435-650-1886

PROPOSED LOCATION:

NESE 32 100S 200E  
SURFACE: 1903 FSL 0685 FEL  
BOTTOM: 1903 FSL 0685 FEL  
UINTAH  
NATURAL BUTTES ( 630 )

INSPECT LOCATN BY: / /		
Tech Review	Initials	Date
Engineering	DKD	3/1/05
Geology		
Surface		

LEASE TYPE: 3 - State  
LEASE NUMBER: ML-22313-2  
SURFACE OWNER: 1 - Federal  
PROPOSED FORMATION: MVRD  
COALBED METHANE WELL? NO

LATITUDE: 39.90163  
LONGITUDE: -109.6815

RECEIVED AND/OR REVIEWED:

- Plat
- Bond: Fed[] Ind[] Sta[] Fee[]  
(No. 76S63050600 )
- 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)

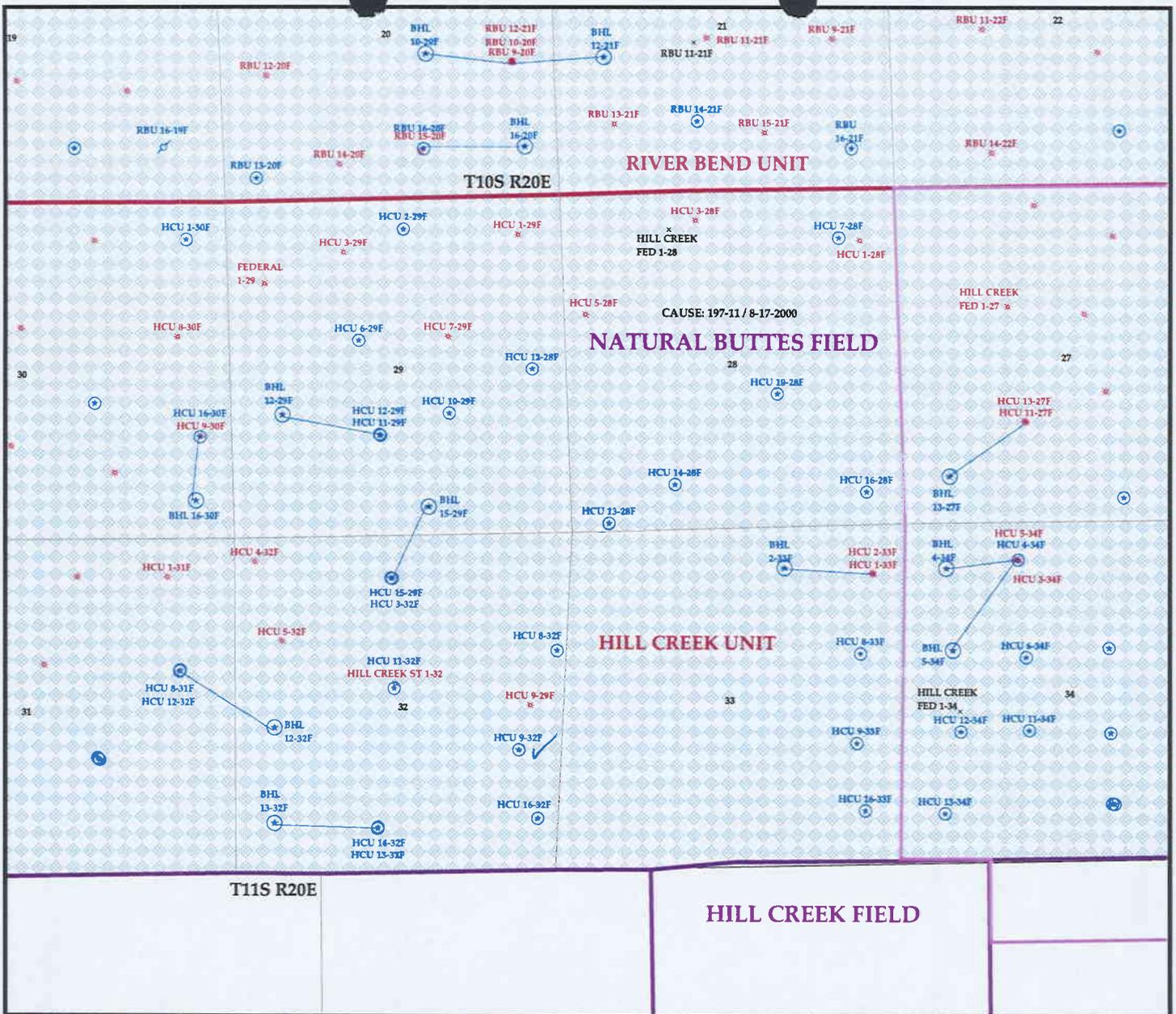
LOCATION AND SITING:

- R649-2-3.
- Unit HILL CREEK
- R649-3-2. General  
Siting: 460 From Qtr/Qtr & 920' Between Wells
- R649-3-3. Exception
- Drilling Unit  
Board Cause No: 197-11  
Eff Date: 8-17-00  
Siting: Suspends Gen Siting
- R649-3-11. Directional Drill

COMMENTS:

STIPULATIONS:

1- Federal Approval  
2- Oil Shale  
3- STATEMENT OF BASIS



OPERATOR- DOMINION EXPL & PROD (N1095)

SEC. 28 & 32 T.10S R.20E

FIELD: NATURAL BUTTES (630)

COUNTY: UINTAH

CAUSE: 197-11 / 8-17-2000

**Wells**

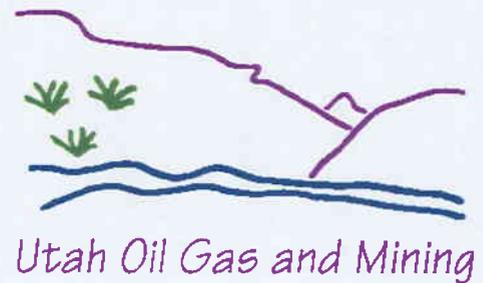
- ⊕ GAS INJECTION
- ⊙ GAS STORAGE
- × LOCATION ABANDONED
- ⊕ NEW LOCATION
- ⊖ PLUGGED & ABANDONED
- ⊕ PRODUCING GAS
- PRODUCING OIL
- ⊖ SHUT-IN GAS
- ⊖ SHUT-IN OIL
- × TEMP. ABANDONED
- TEST WELL
- △ WATER INJECTION
- ◆ WATER SUPPLY
- ↗ WATER DISPOSAL

**Units.shp**

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

**Fields.shp**

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



PREPARED BY: DIANA WHITNEY  
DATE: 24-FEBRUARY-2005

# 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)

February 24, 2005

Memorandum

To: Assistant District Manager Minerals, Vernal District  
 From: Michael Coulthard, Petroleum Engineer  
 Subject: 2005 Plan of Development Hill Creek 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 2005 within the Hill Creek Unit, Uintah County, Utah.

API #	WELL NAME	LOCATION
-------	-----------	----------

(Proposed PZ Mesaverde)

43-047-36319	HCU 10-28F Sec 28 T10S R20E 2109 FSL 1964 FEL	
43-047-36320	HCU 13-28F Sec 28 T10S R20E 0149 FSL 0588 FWL	
43-047-36321	HCU 14-28F Sec 28 T10S R20E 0732 FSL 1651 FWL	
43-047-36322	HCU 16-32F Sec 32 T10S R20E 0818 FSL 0333 FEL	
43-047-36323	HCU 9-32F Sec 32 T10S R20E 1903 FSL 0685 FEL	
43-047-36324	HCU 8-32F Sec 32 T10S R20E 1850 FNL 0150 FEL	

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

/s/ Michael L. Coulthard

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

MCoulthard:mc:2-24-05

Well name:	<b>02-05 Dominion HCU 9-32F</b>	
Operator:	<b>Dominion E &amp; P</b>	Project ID:
String type:	Surface	43-047-36323
Location:	Uintah Co.	

**Design parameters:**

**Collapse**

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

**Burst**

Max anticipated surface pressure: -239 psi  
 Internal gradient: 0.556 psi/ft  
 Calculated BHP: 873 psi

No backup mud specified.

**Minimum design factors:**

**Collapse:**

Design factor: 1.125

**Burst:**

Design factor: 1.00

**Tension:**

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

Tension is based on air weight.  
 Neutral point: 1,750 ft

**Environment:**

H2S considered? No  
 Surface temperature: 65 °F  
 Bottom hole temperature: 93 °F  
 Temperature gradient: 1.40 °F/100ft  
 Minimum section length: 185 ft

Cement top: 175 ft

Non-directional string.

**Re subsequent strings:**

Next setting depth: 8,000 ft  
 Next mud weight: 8.600 ppg  
 Next setting BHP: 3,574 psi  
 Fracture mud wt: 19.250 ppg  
 Fracture depth: 2,000 ft  
 Injection pressure: 2,000 psi

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Internal Capacity (ft³)
1	2000	8.625	32.00	J-55	ST&C	2000	2000	7.875	127.1
Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (Kips)	Tension Strength (Kips)	Tension Design Factor
1	873	2530	2.899	873	3930	4.50	64	372	5.81 J

Prepared by: Clinton Dworshak  
 Utah Div. of Oil & Mining

Phone: 810-538-5280

Date: March 1, 2005  
 Salt Lake City, Utah

**ENGINEERING STIPULATIONS: NONE**

Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.  
 Collapse is based on a vertical depth of 2000 ft, a mud weight of 8.4 ppg. The casing is considered to be evacuated for collapse purposes.  
 Burst strength is not adjusted for tension.

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

Well name:	<b>02-05 Dominion HCU 9-32F</b>	
Operator:	<b>Dominion E &amp; P</b>	Project ID:
String type:	Production	43-047-36323
Location:	Uintah Co.	

**Design parameters:**

**Collapse**

Mud weight: 8.600 ppg  
 Design is based on evacuated pipe.

**Burst**

Max anticipated surface pressure: -873 psi  
 Internal gradient: 0.556 psi/ft  
 Calculated BHP: 3,574 psi  
  
 No backup mud specified.

**Minimum design factors:**

**Collapse:**

Design factor: 1.125

**Burst:**

Design factor: 1.00

**Tension:**

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

Tension is based on air weight.  
 Neutral point: 6,957 ft

**Environment:**

H2S considered? No  
 Surface temperature: 65 °F  
 Bottom hole temperature: 177 °F  
 Temperature gradient: 1.40 °F/100ft  
 Minimum section length: 368 ft

Cement top: 3,536 ft

Non-directional string.

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Internal Capacity (ft³)
1	8000	5.5	17.00	Mav-80	LT&C	8000	8000	4.767	275.7
Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (Kips)	Tension Strength (Kips)	Tension Design Factor
1	3574	6290	1.760	3574	7740	2.17	136	273	2.01 B

Prepared by: Clinton Dworshak  
 Utah Div. of Oil & Mining

Phone: 810-538-5280

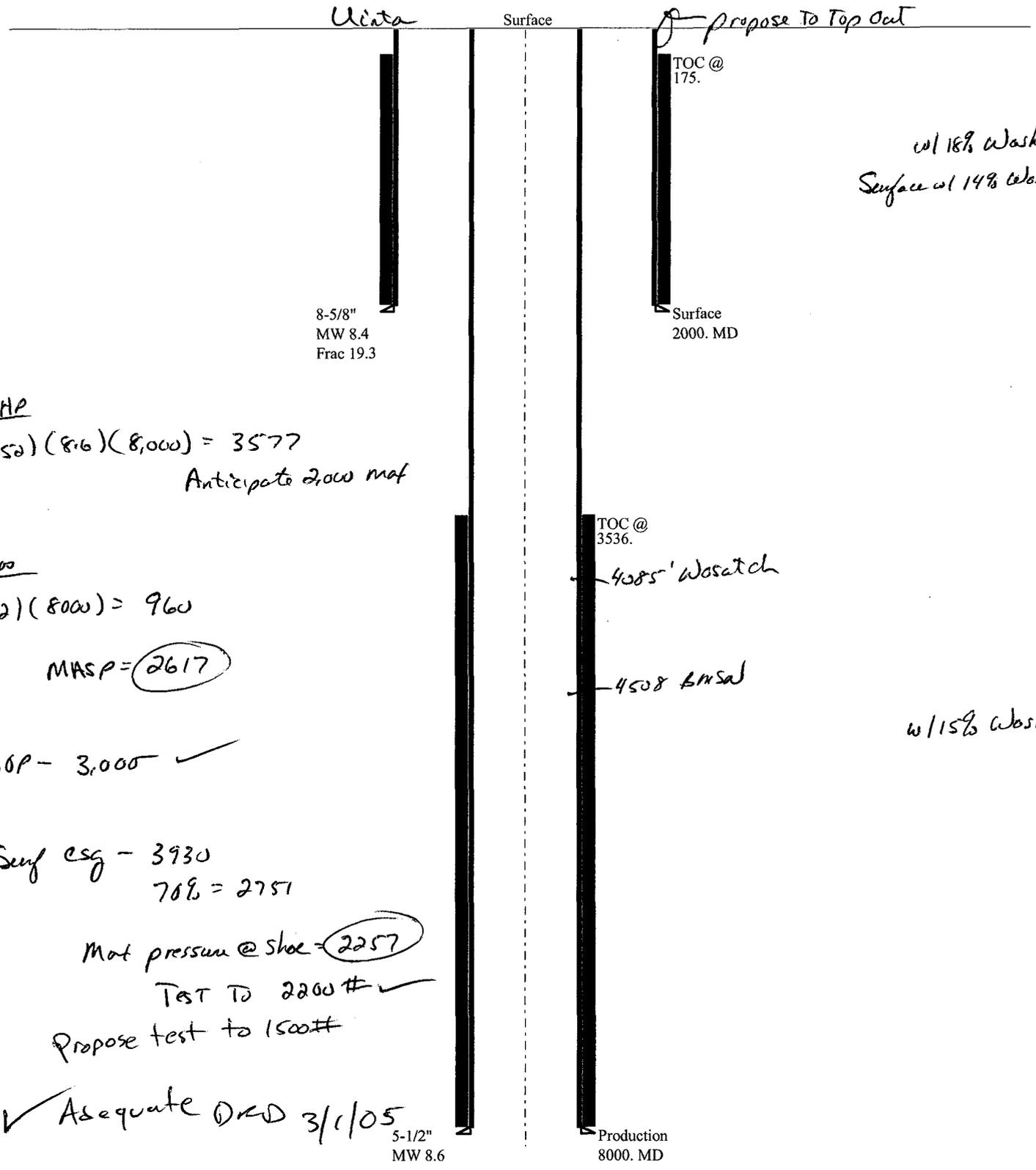
Date: March 1,2005  
 Salt Lake City, Utah

**ENGINEERING STIPULATIONS: NONE**

Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.  
 Collapse is based on a vertical depth of 8000 ft, a mud weight of 8.6 ppg The casing is considered to be evacuated for collapse purposes.  
 Burst strength is not adjusted for tension.

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

Casing Schematic



BHP  
 $(.052)(816)(8,000) = 3577$   
 Anticipate draw mat

G<sub>oo</sub>  
 $(.12)(8000) = 960$   
 MASP = 2617

BOP - 3,000 ✓

Surf csg - 3930  
70% = 2751

Mat pressure @ shoe = 2257

Test to 2800# ✓

Propose test to 1500#

✓ Adequate DRD 3/1/05

w/ 18% Washcoat  
Surface w/ 14% Washcoat

w/ 15% Washcoat

5-1/2"  
MW 8.6

Production  
8000. MD

**DIVISION OF OIL, GAS AND MINING  
APPLICATION FOR PERMIT TO DRILL  
STATEMENT OF BASIS**

**OPERATOR:** \_\_\_\_\_ Dominion Exploration & Production.  
**WELL NAME & NUMBER:** \_\_\_\_\_ HCU 9-32F  
**API NUMBER:** \_\_\_\_\_ 43-047-36323  
**LOCATION:** 1/4,1/4 NESE Sec: 32 TWP: 10S RNG: 20E 1903' FSL 685' FEL

**Geology/Ground Water:**

Dominion proposes to set 2,000 feet of surface casing cemented to the surface. The base of the moderately saline water is estimated at 5,000 feet. A search of Division of Water Rights records shows no water wells within a 10,000 foot radius of the center of section 32. The surface formation at this location is the Uinta Formation. The Uinta Formation is made up of discontinuous sands interbedded with shales and are not expected to produce prolific aquifers. The proposed surface casing should adequately protect any near surface aquifers.

**Reviewer:** \_\_\_\_\_ Brad Hill \_\_\_\_\_ **Date:** \_\_\_\_\_ 03-01-2005 \_\_\_\_\_

**Surface:**

The BLM is the administrative agency over the ground surface at this location. The operator is responsible for obtaining any needed permits or rights of way before causing any surface disturbance.

**Reviewer:** \_\_\_\_\_ Brad Hill \_\_\_\_\_ **Date:** \_\_\_\_\_ 03-01-2005 \_\_\_\_\_

**Conditions of Approval/Application for Permit to Drill:**

None.



**State of Utah**

**Department of  
Natural Resources**

MICHAEL R. STYLER  
*Executive Director*

**Division of  
Oil, Gas & Mining**

MARY ANN WRIGHT  
*Acting Division Director*

JON M. HUNTSMAN, JR.  
*Governor*

GARY R. HERBERT  
*Lieutenant Governor*

March 1, 2005

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

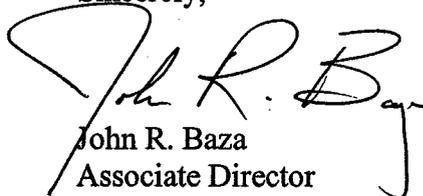
Re: Hill Creek Unit 9-32F Well, 1903' FSL, 685' FEL, NE SE, Sec. 32,  
T. 10 South, R. 20 East, Uintah County, Utah

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 43-047-36323.

Sincerely,



John R. Baza  
Associate Director

pab  
Enclosures

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



Page 2

API #43-047-36323

March 1, 2005

7. 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.

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

FORM 9

**SUNDRY NOTICES AND REPORTS ON WELLS**

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

1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER _____		5. LEASE DESIGNATION AND SERIAL NUMBER: ML - 22313-2
2. NAME OF OPERATOR: Dominion Exploration & Production, Inc.		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
3. ADDRESS OF OPERATOR: 14000 Quail Springs CITY Oklahoma City STATE OK ZIP 73134		7. UNIT or CA AGREEMENT NAME: Hill Creek Unit
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1903' FSL & 685' FEL		8. WELL NAME and NUMBER: HCU 9-32F
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NESE 32 10S 20E		9. API NUMBER: 43-047-36323
COUNTY: Uintah		10. FIELD AND POOL, OR WILDCAT: Natural Buttes
STATE: UTAH		

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

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

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

The State APD for this well expires March 1, 2006. Dominion is hereby requesting a one year extension.

Approved by the  
Utah Division of  
Oil, Gas and Mining  
Date: 03-06-06  
By: *[Signature]*

SENT TO OPERATOR  
DATE: 3-15-06  
INITIALS: CHD

NAME (PLEASE PRINT) Carla Christian	TITLE Regulatory Specialist
SIGNATURE <i>Carla Christian</i>	DATE 2/22/2006

(This space for State use only)

EXPIRES

FEB 27 2006

DIVISION OF OIL, GAS AND MINING

**Application for Permit to Drill  
Request for Permit Extension  
Validation**

(this form should accompany the Sundry Notice requesting permit extension)

**API:** 43-047-36323  
**Well Name:** HCU 9-32F  
**Location:** Section 32-10S-20E, 1903' FSL & 685' FEL  
**Company Permit Issued to:** Dominion Exploration & Production, Inc.  
**Date Original Permit Issued:** 3/1/2005

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

Carla Christian  
Signature

2/22/2006  
Date

Title: Sr. Regulatory Specialist

Representing: Dominion Exploration & Production, Inc.

RECEIVED

FEB 27 2006

DIRECTOR, OIL & GAS

**DIVISION OF OIL, GAS AND MINING**

**SPUDDING INFORMATION**

Name of Company: DOMINION EXPL & PROD INC

Well Name: HCU 9-32F

Api No: 43-047-36323 Lease Type: STATE

Section 32 Township 10S Range 20E County UINTAH

Drilling Contractor BILL JR'S RIG # 6

**SPUDDED:**

Date 07/29/06

Time \_\_\_\_\_

How DRY

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

Reported by RICK OMAN

Telephone # (435) 828-1456

Date 07/31/2006 Signed CHD

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

FORM 9

<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>		5. LEASE DESIGNATION AND SERIAL NUMBER: <b>ML - 22313-2</b>
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
		7. UNIT or CA AGREEMENT NAME: <b>Hill Creek Unit</b>
1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER _____	8. WELL NAME and NUMBER: <b>HCU 9-32F</b>	
2. NAME OF OPERATOR: <b>Dominion Exploration &amp; Production, Inc.</b>		9. API NUMBER: <b>43-047-36323</b>
3. ADDRESS OF OPERATOR: <b>14000 Quail Springs</b> CITY <b>Oklahoma City</b> STATE <b>OK</b> ZIP <b>73134</b>	PHONE NUMBER: <b>(405) 749-1300</b>	10. FIELD AND POOL, OR WLD CAT: <b>Natural Buttes</b>
4. LOCATION OF WELL FOOTAGES AT SURFACE: <b>1903' FSL &amp; 685' FEL</b>		COUNTY: <b>Uintah</b>
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: <b>NESE 32 10S 20E</b>		STATE: <b>UTAH</b>

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA			
TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: <u>Spud well</u>
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

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

Spud well 7/28/06. 7/28/06 ran 51 jts. 8 5/8", 32#, J-55, ST&C csg., set @ 2207'. Cemented lead w/250 sks Hi-Fill "V", 11.0 ppg, 3.82 yld., tailed w/200 sks Class "G", 15.8 ppg, 1.15 yld. Mix & pump 250 sks Class "G" thru 200' of 1", 15.8 ppg., 1.15 yld., 15 bbls cmt. to pit.

NAME (PLEASE PRINT) <u>Carla Christian</u>	TITLE <u>Sr. Regulatory Specialist</u>
SIGNATURE <u>Carla Christian</u>	DATE <u>8/2/2006</u>

(This space for State use only)

**RECEIVED**

**AUG 07 2006**

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

FORM 6

**ENTITY ACTION FORM**

Operator: Dominion Exploration & Production, Inc. Operator Account Number: N 1095  
 Address: 14000 Quail Springs Parkway, Suite 600  
city Oklahoma City  
state Ok zip 73134 Phone Number: (405) 749-1300

**Well 1**

API Number	Well Name		QQ	Sec	Twp	Rng	County
43-047-36323	HCU 9-32F		NESE	32	10S	20E	Uintah
Action Code	Current Entity Number	New Entity Number	Spud Date		Entity Assignment Effective Date		
<i>AB</i>	<i>99999</i>	<i>12829</i>	<i>7/28/2006</i>		<i>8/10/06</i>		
Comments: <i>MVRD = WSMVD</i>						<b>CONFIDENTIAL</b>	

**Well 2**

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

**Well 3**

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

**ACTION CODES:**

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

Carla Christian

Name (Please Print)

*Carla Christian*

Signature

Sr. Regulatory Specialist

8/2/2006

Date

**RECEIVED**

**AUG 07 2006**

DIV. OF OIL, GAS & MINING

# FACSIMILE COVER PAGE

To : Utah Division of Oil, Gas & Mining

From : g

Sent : 8/3/2006 at 1:26:22 PM

Pages : 2 (including Cover)

Subject : HCU 9-32F *T105 R20E S-32*

*43-047-36323*

CONFIDENTIAL

RECEIVED

AUG 03 2006

DIV. OF OIL, GAS & MINING



# WELL CHRONOLOGY REPORT

CONFIDENTIAL

**WELL NAME : HCU 9-32F**

DISTRICT : WESTERN

FIELD : NATURAL BUTTES 630

Event No: 1

LOCATION : 1903' FSL 685' FEL SEC 32 T 10S R 20E

COUNTY &amp; STATE : UINTAH

UT

CONTRACTOR :

WI % : 100.00 AFE # : 0602679

API # : 43-047-36323

PLAN DEPTH : 8,000 SPUD DATE : 07/28/06

DHC : \$594,000

CWC : \$631,000

AFE TOTAL : \$1,225,000

FORMATION : WASATCH/MESAVERDE

EVENT DC : \$199,296.00

EVENT CC : \$0.00

EVENT TC : \$199,296.00

WELL TOTL COST : \$199,296

REPORT DATE: 07/31/06

MD : 2,250

TVD : 2,250

DAYS :

MW :

VISC :

DAILY : DC : \$199,296.00

CC : \$0.00

TC : \$199,296.00

CUM : DC : \$199,296.00

CC : \$0.00

TC : \$199,296.00

DAILY DETAILS : SPUD WELL @ 7:30PM ON 7-28-06 W/ BILL JRS # 8. DRILL 2250' OF 12.25" HOLE. RUN 51 JT'S 8.625", 32#, J-55  
 CSGN SET @ 2207'. CEMENT W/ 250 SKS LEAD MIX @ 11.0 PPG & 3.82 YLD. THEN 200 SKS TAIL MIXED @  
 15.8 PPG & 1.15 YLD WTH GOOD RETURNS. THEN MIX & PUMP 250 SKS TAIL THRU 200' OF 1 INCH @ 15.8  
 PPG & 1.15 YLD. W/ 15 BBLS CEMENT TO PIT.

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

FORM 9

**SUNDRY NOTICES AND REPORTS ON WELLS**

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1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER _____		5. LEASE DESIGNATION AND SERIAL NUMBER: ML - 22313-2
2. NAME OF OPERATOR: Dominion Exploration & Production, Inc.		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: Hill Creek Unit
3. ADDRESS OF OPERATOR: 14000 Quail Springs CITY Oklahoma City STATE OK ZIP 73134		7. UNIT or CA AGREEMENT NAME: HCU 9-32F
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1903 FSL & 685 FEL		8. WELL NAME and NUMBER: HCU 9-32F
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NESE 32 10S 20E		9. API NUMBER: 43-047-36323
COUNTY: Uintah		10. FIELD AND POOL, OR WILDCAT: Natural Buttes
STATE: UTAH		

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
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	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: <u>Changed TD</u>
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

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

Dominion hereby request permission to change TD from 8,000' to 9,500'. Cement volumes will be adjusted accordingly. See new drilling plan.

COPY SENT TO OPERATOR  
Date: 8-21-06  
Initials: CHS

NAME (PLEASE PRINT) <u>Carla Christian</u>	TITLE <u>Sr. Regulatory Specialist</u>
SIGNATURE <u>Carla Christian</u>	DATE <u>8/8/2006</u>

(This space for State use only)

APPROVED BY THE STATE  
OF UTAH DIVISION OF  
OIL, GAS AND MINING  
(See Instructions on Reverse Side)  
DATE: 8/19/06  
BY: [Signature]

(5/2000)

RECEIVED  
AUG 09 2006

DIV. OF OIL, GAS & MINING

**DRILLING PLAN**  
**APPROVAL 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:** HCU 9-32F  
 1903' FSL & 685' FEL  
 Section 32-10S-20E  
 Uintah County, UT

1. GEOLOGIC SURFACE FORMATION Uintah
2. ESTIMATED DEPTHS OF IMPORTANT GEOLOGIC MARKERS

<u>Formation</u>	<u>Depth</u>
Wasatch Tongue	3,585'
Uteland Limestone	3,940'
Wasatch	4,085'
Chapita Wells	5,050'
Uteland Buttes	6,270'
Mesaverde	7,180'

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

<u>Formation</u>	<u>Depth</u>	<u>Type</u>
Wasatch Tongue	3,585'	Oil
Uteland Limestone	3,940'	Oil
Wasatch	4,085'	Gas
Chapita Wells	5,050'	Gas
Uteland Buttes	6,270'	Gas
Mesaverde	7,180'	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	8-5/8"	32.0 ppf	J-55	STC	0'	2,000'	12-1/4"
Production	5-1/2"	17.0 ppf	MAV-80	LTC	0'	9,500'	7-7/8"

Note: The drilled depth of the surface hole and the setting depth of the surface casing may vary from 1,700' to 2,000'. Should a lost circulation zone be encountered while drilling, casing will be set approximately 300' below the lost circulation zone. If no lost circulation zone is encountered, casing to be set at 2,000'±.

5. OPERATOR'S MINIMUM SPECIFICATIONS FOR PRESSURE CONTROL

Surface hole: No BOPE will be utilized. Air foam mist, rotating head and diverter system will be utilized.

Production hole: Prior to drilling out the surface casing shoe, 3,000 psi or greater BOP equipment will be installed. The pipe rams will be operated at least once per day from surface to total depth. The blind rams will be tested once per day from surface to total depth if operations permit.

## DRILLING PLAN

### APPROVAL OF OPERATIONS

A diagram of the planned BOP equipment for normal drilling operations in this area is attached. As denoted there will be two valves and one check valve on the kill line, two valves on the choke line, and two adjustable chokes on the manifold system. The BOP "stack" will consist of two BOP rams (1 pipe, 1 blind) and one annular type preventer, all rated to a minimum of 3,000 psi working pressure.

The BOP equipment will be pressure tested prior to drilling out surface casing shoe and anytime a new casing string is set. All test pressures will be maintained for fifteen (15) minutes without any significant pressure decrease. Clear water will be circulated into the BOP stack and lines prior to pressure testing. The following test pressures will be used as a minimum for various equipment items.

1.	Annular BOP	1,500 psi
2.	Ram type BOP	3,000 psi
3.	Kill line valves	3,000 psi
4.	Choke line valves and choke manifold valves	3,000 psi
5.	Chokes	3,000 psi
6.	Casing, casinghead & weld	1,500 psi
7.	Upper kelly cock and safety valve	3,000 psi
8.	Dart valve	3,000 psi

#### 6. MUD SYSTEMS

- An air or an air/mist system may be used to drill to drill the surface hole until water influx becomes too great.
- KCL mud system will be used to drill well.
- The mud system will be monitored manually/visually.

<u>Depths</u>	<u>Mud Weight (ppg)</u>	<u>Mud System</u>
0' – 2,000'	8.4	Air foam mist, rotating head and diverter
2,000' – 9,500'	8.6	Fresh water/2% KCL/KCL mud system

#### 7. BLOOIE LINE

- An automatic igniter will not be installed on blooie line. The blooie will have a constant ignition source.
- A "target tee" connection will be installed on blooie line for 90° change of directions for abrasion resistance.
- "Target tee" connections will be a minimum of 50' from wellhead.
- The blooie line discharge will be a minimum of 80' 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 the kelly is not in string.

#### 9. TESTING, LOGGING, AND CORING PROGRAMS TO BE FOLLOWED

- A drillstem test in the Wasatch Tongue is possible.
- One electric line wire-log will be run from total depth to surface casing.
- The gamma ray will be left on to record from total depth to surface casing.
- Other log curves (resistivities, porosity, and caliper) will record from total depth to surface casing.
- A dipmeter, percussion cores, or rotary cores may be run over selected intervals.

#### 10. ANTICIPATED ABNORMAL PRESSURES OR TEMPERATURES EXPECTED

- Expected BHP 1,500–2,000 psi (lower than normal pressure gradient).
- 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

**DRILLING PLAN**

**APPROVAL OF OPERATIONS**

**12. CEMENT SYSTEMS**

**a. Surface Cement:**

- Drill 12-1/4" hole to 2,000'±, run and cement 8-5/8" to surface (depth to vary based on depth of lost circulation zone).
- Pump 20 bbls lightly weighted water spacer followed by 5 bbls fresh water. Displace with any available water.
- 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 one joint off bottom e) bottom three joints thread locked f) pump job with bottom plug only. Casing to be centralized with a total of 8 centralizers.
- Cement the casing annulus to surface. Top out jobs to be performed if needed. Depending to depth of top of cement in the annulus, a 1" tubing string may or may not be utilized.

<u>Type</u>	<u>Sacks</u>	<u>Interval</u>	<u>Density</u>	<u>Yield</u>	<u>Hole</u>	<u>Cement</u>
					<u>Volume</u>	<u>Volume</u>
Lead	219	0'-1,500'	11.0 ppg	3.82 CFS	619 CF	836 CF
Tail	236	1,500'-2,000'	15.6 ppg	1.18 CFS	206 CF	279 CF
Top Out	100	0'-200'	15.6 ppg	1.18 CFS	87 CF	118 CF

Surface design volumes based on 35% excess of gauge hole.

**Lead Mix:** Halliburton Premium Plus V blend. Blend includes Class "G" cement, gel, salt, gilsonite.  
 Slurry yield: 3.82 cf/sack                      Slurry weight: 11.00 #/gal.  
 Water requirement: 22.95 gal/sack

**Tail Mix:** Class "G" Cement, 1/4 lb/sk Cellophane Flakes + 2% bwoc Calcium Chloride + 44.3% fresh water.  
 Slurry yield: 1.18 cf/sack                      Slurry weight: 15.60 #/gal.  
 Water requirement: 5.2 gal/sack

**Top Out:** Class "G" Cement, 1/4 lb/sk Cellophane Flakes + 2% bwoc Calcium Chloride + 44.3% fresh water.  
 Slurry yield: 1.18 cf/sack                      Slurry weight: 15.60 #/gal.  
 Water requirement: 5.2 gal/sack

**c. Production Casing Cement:**

- Drill 7-7/8" hole to 9,500'±, run and cement 5 1/2".
- Pump 20 bbl Mud Clean II unweighted spacer, followed by 20 Bbls fresh H2O spacer.
- Displace with 2% KCL.
- Production casing to be centralized with 30 centralizers.

<u>Type</u>	<u>Sacks</u>	<u>Interval</u>	<u>Density</u>	<u>Yield</u>	<u>Hole</u>	<u>Cement</u>
					<u>Volume</u>	<u>Volume</u>
Lead	90	3,285'-4,085'	11.5 ppg	3.12 CFS	139 CF	277 CF
Tail	1080	4,085'-9,500'	13.0 ppg	1.75 CFS	938 CF	1876 CF

Production design volumes are estimates based on 35% excess of gauge hole. Actual volumes will be calculated from caliper log to bring lead cement to 800' above top of Wasatch + 15% excess, and tail cement to top of Wasatch + 15% excess.

**Lead Mix:** Halliburton Prem Plus V blend. Blend includes Class "C" cement, gel, salt, gilsonite, EX-1 and HR-7.  
 Slurry yield: 3.12 cf/sack                      Slurry weight: 11.60 #/gal.  
 Water requirement: 17.71 gal/sack  
 Compressives @ 130°F: 157 psi after 24 hours

**Tail Mix:** Halliburton HLC blend (Prem Plus V/JB flyash). Blend includes Class "G" cement, KCl, EX-1, Halad 322, & HR-5.  
 Slurry yield: 1.75 cf/sack                      Slurry weight: 13.00 #/gal.  
 Water requirement: 9.09 gal/sack  
 Compressives @ 165°F: 905 psi after 24 hours

**13. ANTICIPATED STARTING DATE AND DURATION OF THE OPERATIONS**

Starting Date: ASAP  
 Duration: 14 Days

Well name:	<b>02-05 Dominion HCU 9-32F</b>	
Operator:	<b>Dominion E &amp; P</b>	Project ID:
String type:	Production	43-047-36323
Location:	Uintah Co.	

<b>Design parameters:</b>	<b>Minimum design factors:</b>	<b>Environment:</b>
<u><b>Collapse</b></u>	<u><b>Collapse:</b></u>	H2S considered? No
Mud weight: 8.600 ppg	Design factor 1.125	Surface temperature: 65 °F
Design is based on evacuated pipe.		Bottom hole temperature: 198 °F
		Temperature gradient: 1.40 °F/100ft
		Minimum section length: 368 ft
	<u><b>Burst:</b></u>	Cement top: 1,811 ft
	Design factor 1.00	
<u><b>Burst</b></u>		
Max anticipated surface pressure: 3,104 psi	<u><b>Tension:</b></u>	Non-directional string.
Internal gradient: 0.120 psi/ft	8 Round STC: 1.80 (J)	
Calculated BHP 4,244 psi	8 Round LTC: 1.80 (J)	
No backup mud specified.	Buttress: 1.60 (J)	
	Premium: 1.50 (J)	
	Body yield: 1.50 (B)	
	Tension is based on air weight.	
	Neutral point: 8,261 ft	

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Internal Capacity (ft³)
1	9500	5.5	17.00	Mav-80	LT&C	9500	9500	4.767	327.4
Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (Kips)	Tension Strength (Kips)	Tension Design Factor
1	4244	6290	1.482	4244	7740	1.82	162	273	1.69 B

Prepared by: Clinton Dworshak  
 Utah Div. of Oil & Mining  
 Phone: 810-538-5280  
 Date: August 9, 2006  
 Salt Lake City, Utah

ENGINEERING STIPULATIONS: NONE  
 Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.  
 Collapse is based on a vertical depth of 9500 ft, a mud weight of 8.6 ppg. The casing is considered to be evacuated for collapse purposes.  
 Burst strength is not adjusted for tension.

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

# 02-05 Dominion HCU 9-32F

## Casing Schematic

Surface

8-5/8"  
MW 8.4  
Frac 19.3

TOC @  
1811.

TOC @  
21.

Surface  
2000. MD

5-1/2"  
MW 8.6

Production  
9500. MD

3m BOP proposed ✓

Gas End MASP = 3104 psi

Gas/Water End MASP = 2154 psi

✓ Adequate  
DWD

8/9/06

w/158 washout

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

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FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

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

1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER _____		5. LEASE DESIGNATION AND SERIAL NUMBER: ML - 22313-2
2. NAME OF OPERATOR: Dominion Exploration & Production, Inc.		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
3. ADDRESS OF OPERATOR: 14000 Quail Springs CITY Oklahoma City STATE OK ZIP 73134		7. UNIT or CA AGREEMENT NAME: Hill Creek Unit
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1903' FSL & 685' FEL		8. WELL NAME and NUMBER: HCU 9-32F
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NESE 32 10S 20E		9. API NUMBER: 43-047-36323
		10. FIELD AND POOL, OR WILDCAT: Natural Buttes
		COUNTY: Uintah
		STATE: UTAH

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

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

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

Dominion hereby request permission to change TD from 8,000' to 9,500'. Cement volumes will be adjusted accordingly. See new drilling plan.

COPY SENT TO OPERATOR  
Date: 8-21-06  
Initials: CTD

NAME (PLEASE PRINT) Carla Christian TITLE Sr. Regulatory Specialist  
SIGNATURE Carla Christian DATE 8/8/2006

(This space for State use only)

Emil Copy Approved 8/11/06 OED

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AUG 11 2006

# DRILLING PLAN

## APPROVAL 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:** HCU 9-32F  
1903' FSL & 685' FEL  
Section 32-10S-20E  
Uintah County, UT

1. GEOLOGIC SURFACE FORMATION Uintah

2. ESTIMATED DEPTHS OF IMPORTANT GEOLOGIC MARKERS

<u>Formation</u>	<u>Depth</u>
Wasatch Tongue	3,585'
Uteland Limestone	3,940'
Wasatch	4,085'
Chapita Wells	5,050'
Uteland Buttes	6,270'
Mesaverde	7,180'

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

<u>Formation</u>	<u>Depth</u>	<u>Type</u>
Wasatch Tongue	3,585'	Oil
Uteland Limestone	3,940'	Oil
Wasatch	4,085'	Gas
Chapita Wells	5,050'	Gas
Uteland Buttes	6,270'	Gas
Mesaverde	7,180'	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	8-5/8"	32.0 ppf	J-55	STC	0'	2,000'	12-1/4"
Production	5-1/2"	17.0 ppf	MAV-80	LTC	0'	9,500'	7-7/8"

Note: The drilled depth of the surface hole and the setting depth of the surface casing may vary from 1,700' to 2,000'. Should a lost circulation zone be encountered while drilling, casing will be set approximately 300' below the lost circulation zone. If no lost circulation zone is encountered, casing to be set at 2,000'±.

5. OPERATOR'S MINIMUM SPECIFICATIONS FOR PRESSURE CONTROL

Surface hole: No BOPE will be utilized. Air foam mist, rotating head and diverter system will be utilized.

Production hole: Prior to drilling out the surface casing shoe, 3,000 psi or greater BOP equipment will be installed. The pipe rams will be operated at least once per day from surface to total depth. The blind rams will be tested once per day from surface to total depth if operations permit.

**DRILLING PLAN**

**APPROVAL OF OPERATIONS**

A diagram of the planned BOP equipment for normal drilling operations in this area is attached. As denoted there will be two valves and one check valve on the kill line, two valves on the choke line, and two adjustable chokes on the manifold system. The BOP “stack” will consist of two BOP rams (1 pipe, 1 blind) and one annular type preventer, all rated to a minimum of 3,000 psi working pressure.

The BOP equipment will be pressure tested prior to drilling out surface casing shoe and anytime a new casing string is set. All test pressures will be maintained for fifteen (15) minutes without any significant pressure decrease. Clear water will be circulated into the BOP stack and lines prior to pressure testing. The following test pressures will be used as a minimum for various equipment items.

1.	Annular BOP	1,500 psi
2.	Ram type BOP	3,000 psi
3.	Kill line valves	3,000 psi
4.	Choke line valves and choke manifold valves	3,000 psi
5.	Chokes	3,000 psi
6.	Casing, casinghead & weld	1,500 psi
7.	Upper kelly cock and safety valve	3,000 psi
8.	Dart valve	3,000 psi

6. **MUD SYSTEMS**

- An air or an air/mist system may be used to drill to drill the surface hole until water influx becomes too great.
- KCL mud system will be used to drill well.
- The mud system will be monitored manually/visually.

<u>Depths</u>	<u>Mud Weight (ppg)</u>	<u>Mud System</u>
0' – 2,000'	8.4	Air foam mist, rotating head and diverter
2,000' – 9,500'	8.6	Fresh water/2% KCL/KCL mud system

7. **BLOOIE LINE**

- An automatic igniter will not be installed on blooie line. The blooie will have a constant ignition source.
- A “target tee” connection will be installed on blooie line for 90° change of directions for abrasion resistance.
- “Target tee” connections will be a minimum of 50’ from wellhead.
- The blooie line discharge will be a minimum of 80’ 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 the kelly is not in string.

9. **TESTING, LOGGING, AND CORING PROGRAMS TO BE FOLLOWED**

- A drillstem test in the Wasatch Tongue is possible.
- One electric line wire-log will be run from total depth to surface casing.
- The gamma ray will be left on to record from total depth to surface casing.
- Other log curves (resistivities, porosity, and caliper) will record from total depth to surface casing.
- A dipmeter, percussion cores, or rotary cores may be run over selected intervals.

10. **ANTICIPATED ABNORMAL PRESSURES OR TEMPERATURES EXPECTED**

- Expected BHP 1,500–2,000 psi (lower than normal pressure gradient).
- No abnormal temperature or pressures are anticipated.
- The formations to be penetrated do not contain known H2S 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

## DRILLING PLAN

### APPROVAL OF OPERATIONS

#### 12. CEMENT SYSTEMS

##### a. Surface Cement:

- Drill 12-1/4" hole to 2,000'±, run and cement 8-5/8" to surface (depth to vary based on depth of lost circulation zone).
- Pump 20 bbls lightly weighted water spacer followed by 5 bbls fresh water. Displace with any available water.
- 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 one joint off bottom e) bottom three joints thread locked f) pump job with bottom plug only. Casing to be centralized with a total of 8 centralizers.
- Cement the casing annulus to surface. Top out jobs to be performed if needed. Depending to depth of top of cement in the annulus, a 1" tubing string may or may not be utilized.

<u>Type</u>	<u>Sacks</u>	<u>Interval</u>	<u>Density</u>	<u>Yield</u>	<u>Hole</u> <u>Volume</u>	<u>Cement</u> <u>Volume</u>
Lead	219	0'-1,500'	11.0 ppg	3.82 CFS	619 CF	836 CF
Tail	236	1,500'-2,000'	15.6 ppg	1.18 CFS	206 CF	279 CF
Top Out	100	0'-200'	15.6 ppg	1.18 CFS	87 CF	118 CF

Surface design volumes based on 35% excess of gauge hole.

Lead Mix: Halliburton Premium Plus V blend. Blend includes Class "G" cement, gel, salt, gilsonite.  
Slurry yield: 3.82 cf/sack                      Slurry weight: 11.00 #/gal.  
Water requirement: 22.95 gal/sack

Tail Mix: Class "G" Cement, 1/4 lb/sk Cellophane Flakes + 2% bwoc Calcium Chloride + 44.3% fresh water.  
Slurry yield: 1.18 cf/sack                      Slurry weight: 15.60 #/gal.  
Water requirement: 5.2 gal/sack

Top Out: Class "G" Cement, 1/4 lb/sk Cellophane Flakes + 2% bwoc Calcium Chloride + 44.3% fresh water.  
Slurry yield: 1.18 cf/sack                      Slurry weight: 15.60 #/gal.  
Water requirement: 5.2 gal/sack

##### c. Production Casing Cement:

- Drill 7-7/8" hole to 9,500'±, run and cement 5 1/2".
- Pump 20 bbl Mud Clean II unweighted spacer, followed by 20 Bbls fresh H2O spacer.
- Displace with 2% KCL.
- Production casing to be centralized with 30 centralizers.

<u>Type</u>	<u>Sacks</u>	<u>Interval</u>	<u>Density</u>	<u>Yield</u>	<u>Hole</u> <u>Volume</u>	<u>Cement</u> <u>Volume</u>
Lead	90	3,285'-4,085'	11.5 ppg	3.12 CFS	139 CF	277 CF
Tail	1080	4,085'-9,500'	13.0 ppg	1.75 CFS	938 CF	1876 CF

Production design volumes are estimates based on 35% excess of gauge hole. Actual volumes will be calculated from caliper log to bring lead cement to 800' above top of Wasatch + 15% excess, and tail cement to top of Wasatch + 15% excess.

Lead Mix: Halliburton Prem Plus V blend. Blend includes Class "C" cement, gel, salt, gilsonite, EX-1 and HR-7.  
Slurry yield: 3.12 cf/sack                      Slurry weight: 11.60 #/gal.  
Water requirement: 17.71 gal/sack  
Compressives @ 130°F: 157 psi after 24 hours

Tail Mix: Halliburton HLC blend (Prem Plus V/JB flyash). Blend includes Class "G" cement, KCl, EX-1, Halad 322, & HR-5.  
Slurry yield: 1.75 cf/sack                      Slurry weight: 13.00 #/gal.  
Water requirement: 9.09 gal/sack  
Compressives @ 165°F: 905 psi after 24 hours

#### 13. ANTICIPATED STARTING DATE AND DURATION OF THE OPERATIONS

Starting Date: ASAP  
Duration: 14 Days

# FACSIMILE COVER PAGE

**To :** Utah Division of Oil, Gas & Mining

**From :** g

**Sent :** 8/16/2006 at 3:01:58 PM

**Pages :** 2 (including Cover)

**Subject :** HCU 9-32F *TIOS R20E S-32*

*43-047-36323*

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DIV OF OIL, GAS & MINING



# WELL CHRONOLOGY REPORT

CONFIDENTIAL

**WELL NAME : HCU 9-32F**

DISTRICT : WESTERN

FIELD : NATURAL BUTTES 630

Event No: 1

LOCATION : 1903' FSL 685' FEL SEC 32 T 10S R 20E

COUNTY &amp; STATE : UINTAH

UT

CONTRACTOR :

WM % : 100.00 AFE # : 0602679

API # : 43-047-36323

PLAN DEPTH : 8,000 SPUD DATE : 07/28/06

DHC : \$594,000

CWC : \$631,000

AFE TOTAL : \$1,225,000

FORMATION : WASATCH/MESAVERDE

EVENT DC : \$784,220.28

EVENT CC : \$0.00

EVENT TC : \$784,220.28

WELL TOTL COST : \$784,220

**REPORT DATE: 08/09/06** MD : 7,951 TVD : 7,951 DAYS : 5 MW : 8.6 VISC : 26  
 DAILY : DC : \$34,047.00 CC : \$0.00 TC : \$34,047.00 CUM : DC : \$360,228.00 CC : \$0.00 TC : \$360,228.00  
 DAILY DETAILS : BOP TEST & DRILL. DRILLED F/ 7132' KB TO 7352' KB. DEVIATION SURVEY @ 7282' KB 2.50 DEGREES.  
 DRILLED F/ 7352' KB TO 7541' KB. SERVICE RIG. DRILLED F/ 7541' KB TO 7636' KB. BOP TEST & DRILL.  
 DRILLED F/ 7636' KB TO 7951' KB.

**REPORT DATE: 08/10/06** MD : 8,518 TVD : 8,518 DAYS : 6 MW : 8.8 VISC : 34  
 DAILY : DC : \$34,265.00 CC : \$0.00 TC : \$34,265.00 CUM : DC : \$394,493.00 CC : \$0.00 TC : \$394,493.00  
 DAILY DETAILS : DRILLED F/ 7951' KB TO 7981' KB. SERVICE RIG. DRILLED F/ 7981' KB TO 8328' KB. BOP TEST & DRILL.  
 DRILLED F/ 8328' KB TO 8360' KB. DEVIATION SURVEY @ 8290' KB 2.75 DEGREES. DRILLED F/ 8360' KB TO  
 8518' KB. CIRCULATE & PUMP PILL. TOO H FOR BIT TRIP.

**REPORT DATE: 08/11/06** MD : 9,081 TVD : 9,081 DAYS : 7 MW : 9 VISC : 33  
 DAILY : DC : \$63,545.00 CC : \$0.00 TC : \$63,545.00 CUM : DC : \$458,038.00 CC : \$0.00 TC : \$458,038.00  
 DAILY DETAILS : TOO H FOR BIT TRIP. DRILLED F/ 8515' KB TO 8670' KB. BOP TEST & DRILL. BOP TEST & DRILL. DRILLED F/  
 8670' KB TO 9081' KB.

**REPORT DATE: 08/12/06** MD : 9,398 TVD : 9,398 DAYS : 8 MW : 9.3 VISC : 35  
 DAILY : DC : \$33,400.00 CC : \$0.00 TC : \$33,400.00 CUM : DC : \$491,438.00 CC : \$0.00 TC : \$491,438.00  
 DAILY DETAILS : BOP TEST & DRILL. DRILLED F/ 9081' KB TO 9212' KB. CIRCULATE & PUMP PILL. TOO H FOR BIT TRIP. LAY  
 DOWN .16 MM. PU .15 MM. SERVICE RIG & CUT & SLIP 116' DRILL LINE. TIH TO 9212' KB. DRILLED F/ 9212' KB  
 TO 9398' KB. BOP TEST & DRILL.

**REPORT DATE: 08/13/06** MD : 9,493 TVD : 9,493 DAYS : 9 MW : 9.5 VISC : 35  
 DAILY : DC : \$93,298.97 CC : \$0.00 TC : \$93,298.97 CUM : DC : \$584,736.97 CC : \$0.00 TC : \$584,736.97  
 DAILY DETAILS : DRILLED F/ 9398' KB TO 9493' KB. TD @ 9493' KB @ 0815 HRS ON 8/12/2006. CIRCULATE & PUMP PILL. TOO H  
 FOR OPEN HOLE LOGS. RUN OPEN HOLE LOGS TO 9492' KB. TRIP IN HOLE W/ DRILL PIPE. TRIP OUT OF  
 HOLE LD DRILL PIPE.

**REPORT DATE: 08/14/06** MD : 9,493 TVD : 9,493 DAYS : 10 MW : 9.6 VISC : 35  
 DAILY : DC : \$199,483.31 CC : \$0.00 TC : \$199,483.31 CUM : DC : \$784,220.28 CC : \$0.00 TC : \$784,220.28  
 DAILY DETAILS : LD DP, HWDP, DC & BIT. RUN CASING. RUN 223 JOINTS & TWO 10' MARKER JOINTS OF 5.50", 17.0#, MAV-80,  
 LTC, NEW CASING TO 9468.52' KB TD, TOP OF FC @ 9423.02' KB, TOP OF SHOE @ 9467.02' KB, END OF  
 CASING AT 9468.52' KB, @ 2100 HRS 8/13/2006. CIRCULATE. RU HALLIBURTON & CEMENT. CEMENT 5.500"  
 CSG W/ 65 SK OF LEAD CEMENT PREMIUM PLUS V BLEND. ADDITIVES; 16% GEL, .6% EX-1, 3% SALT  
 (BWOC), 1% HR-7, .25# / SK. FLOCELE, 10# GILSONITE. WEIGHT (LB/GAL) 11.60, YIELD (CUFT/SK) 3.12,  
 WATER (GAL/SK) 17.83. TAIL CEMENT; 835 SK OF HLC-TYPE V BLEND. ADDITIVES; 65% CEMENT, 35% POZ,  
 6% GEL, 3% KCL (BWOW), 1% EX-1, .6% HALAD-322, .2% HR-5. WEIGHT (LB/GAL) 13.00, YIELD (CUFT/SK)  
 1.69, WATER (GAL/SK) 8.81. FINISHED CEMENTING @ 0300 HRS 8/14/2006. CLEAN PITS. RIG RELEASED @  
 0600 HRS 8/14/2006.

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# FACSIMILE COVER PAGE

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To : Utah Division of Oil, Gas & Mining

From : g

Sent : 8/23/2006 at 4:01:38 PM

Pages : 3 (including Cover)

Subject : HCU 9-32F *T/O S R 20 E S-32*

*43-041-36323*

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AUG 23 2006

DIV. OF OIL, GAS & MINING



## WELL CHRONOLOGY REPORT

**WELL NAME : HCU 9-32F**

Event No: 1

DISTRICT : WESTERN

FIELD : NATURAL BUTTES 630

LOCATION : 1903' FSL 685' FEL SEC 32 T 10S R 20E

COUNTY &amp; STATE : UINTAH

UT

CONTRACTOR :

WM % : 100.00 AFE # : 0602679

API # : 43-047-36323

PLAN DEPTH : 8,000 SPUD DATE : 07/28/06

DHC : \$594,000

CWC : \$631,000

AFE TOTAL : \$1,225,000

FORMATION : WASATCH/MESAVERDE

EVENT DC : \$784,220.28

EVENT CC : \$43,100.00

EVENT TC : \$827,320.28

WELL TOTL COST : \$835,859

**REPORT DATE: 08/10/06** MD : 8,518 TVD : 8,518 DAYS : 6 MW : 8.8 VISC : 34  
 DAILY : DC : \$34,265.00 CC : \$0.00 TC : \$34,265.00 CUM : DC : \$394,493.00 CC : \$0.00 TC : \$394,493.00  
 DAILY DETAILS : DRILLED F/ 7951' KB TO 7981' KB. SERVICE RIG. DRILLED F/ 7981' KB TO 8328' KB. BOP TEST & DRILL.  
 DRILLED F/ 8328' KB TO 8360' KB. DEVIATION SURVEY @ 8290' KB 2.75 DEGREES. DRILLED F/ 8360' KB TO  
 8518' KB. CIRCULATE & PUMP PILL. TOO H FOR BIT TRIP.

**REPORT DATE: 08/11/06** MD : 9,081 TVD : 9,081 DAYS : 7 MW : 9 VISC : 33  
 DAILY : DC : \$63,545.00 CC : \$0.00 TC : \$63,545.00 CUM : DC : \$458,038.00 CC : \$0.00 TC : \$458,038.00  
 DAILY DETAILS : TOO H FOR BIT TRIP. DRILLED F/ 8515' KB TO 8670' KB. BOP TEST & DRILL. BOP TEST & DRILL. DRILLED F/  
 8670' KB TO 9081' KB.

**REPORT DATE: 08/12/06** MD : 9,398 TVD : 9,398 DAYS : 8 MW : 9.3 VISC : 35  
 DAILY : DC : \$33,400.00 CC : \$0.00 TC : \$33,400.00 CUM : DC : \$491,438.00 CC : \$0.00 TC : \$491,438.00  
 DAILY DETAILS : BOP TEST & DRILL. DRILLED F/ 9081' KB TO 9212' KB. CIRCULATE & PUMP PILL. TOO H FOR BIT TRIP. LAY  
 DOWN .16 MM. PU .15 MM. SERVICE RIG & CUT & SLIP 116' DRILL LINE. TIH TO 9212' KB. DRILLED F/ 9212' KB  
 TO 9398' KB. BOP TEST & DRILL.

**REPORT DATE: 08/13/06** MD : 9,493 TVD : 9,493 DAYS : 9 MW : 9.5 VISC : 35  
 DAILY : DC : \$93,298.97 CC : \$0.00 TC : \$93,298.97 CUM : DC : \$584,736.97 CC : \$0.00 TC : \$584,736.97  
 DAILY DETAILS : DRILLED F/ 9398' KB TO 9493' KB. TD @ 9493' KB @ 0815 HRS ON 8/12/2006. CIRCULATE & PUMP PILL. TOO H  
 FOR OPEN HOLE LOGS. RUN OPEN HOLE LOGS TO 9492' KB. TRIP IN HOLE W/ DRILL PIPE. TRIP OUT OF  
 HOLE LD DRILL PIPE.

**REPORT DATE: 08/14/06** MD : 9,493 TVD : 9,493 DAYS : 10 MW : 9.6 VISC : 35  
 DAILY : DC : \$199,483.31 CC : \$0.00 TC : \$199,483.31 CUM : DC : \$784,220.28 CC : \$0.00 TC : \$784,220.28  
 DAILY DETAILS : LD DP, HWDP, DC & BIT. RUN CASING. RUN 223 JOINTS & TWO 10' MARKER JOINTS OF 5.50", 17.0#, MAV-80,  
 LTC, NEW CASING TO 9468.52' KB TD, TOP OF FC @ 9423.02' KB, TOP OF SHOE @ 9467.02' KB, END OF  
 CASING AT 9468.52' KB, @ 2100 HRS 8/13/2006. CIRCULATE. RU HALLIBURTON & CEMENT. CEMENT 5.500"  
 CSG W/ 65 SK OF LEAD CEMENT PREMIUM PLUS V BLEND. ADDITIVES; 16% GEL, 6% EX-1, 3% SALT  
 (BWOC), 1% HR-7, .25# / SK. FLOCELE, 10# GILSONITE. WEIGHT (LB/GAL) 11.60, YIELD (CUFT/SK) 3.12,  
 WATER (GAL/SK) 17.83. TAIL CEMENT; 835 SK OF HLC-TYPE V BLEND. ADDITIVES; 65% CEMENT, 35% POZ,  
 6% GEL, 3% KCL (BWOW), 1% EX-1, .6% HALAD-322, .2% HR-5. WEIGHT (LB/GAL) 13.00, YIELD (CUFT/SK)  
 1.69, WATER (GAL/SK) 8.81. FINISHED CEMENTING @ 0300 HRS 8/14/2006. CLEAN PITS. RIG RELEASED @  
 0600 HRS 8/14/2006.

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## WELL CHRONOLOGY REPORT

**WELL NAME : HCU 9-32F**

DISTRICT : WESTERN

FIELD : NATURAL BUTTES 630

Event No: 1

LOCATION : 1903' FSL 685' FEL SEC 32 T 10S R 20E

COUNTY &amp; STATE : UTAH

UT

CONTRACTOR :

WI % : 100.00 AFE # : 0602679

API # : 43-047-36323

PLAN DEPTH : 8,000 SPUD DATE : 07/28/06

DHC : \$594,000

CWC : \$631,000

AFE TOTAL : \$1,225,000

FORMATION : WASATCH/MESAVERDE

EVENT DC : \$784,220.28

EVENT CC : \$43,100.00

EVENT TC : \$827,320.28

WELL TOTL COST : \$835,859

REPORT DATE: 08/23/06

MD : 9,493

TVD : 9,493

DAYS : 12

MW : 9.6

VISC : 35

DAILY : DC : \$0.00

CC : \$43,100.00

TC : \$43,100.00

CUM : DC : \$784,220.28

CC : \$43,100.00

TC : \$827,320.28

DAILY DETAILS : 08-22-06 HCU 9-32F. MIRU SCHLUMBERGER frac equipment, tested lines to 7000 psi. Held safety meeting with all personnel. Quality control on gel & breaker systems with on-site lab was verified. Frac'd Mesa Verde Interval # 1, 9182-90', 9208-16', 9240-46', 9274-80', 9304-10', 9326-32', 2 spf, 86 holes, with 100,420# 20/40 PR6000 sand. Pumped frac at an average rate of 43.3 bpm, using 548.9 mscf of N2 and 1001 bbls of fluid. Average surface treating pressure was 4235 psi with sand concentrations stair stepping from 1.0 ppg to 4.0 ppg.

6993 gallons Pad YF120ST/N2 gel.

3525 gallons YF120ST/N2 pumped @ 1.0 ppg sand concentration.

5620 gallons YF120ST/N2 pumped @ 2.0 ppg sand concentration.

9127 gallons YF120ST/N2 pumped @ 3.0 ppg sand concentration.

7830 gallons YF120ST/N2 pumped @ 4.0 ppg sand concentration.

8945 gallons WF110 slick water flush.

Total frac fluid pumped 1001 bbls. N2 was cut during flush. Ru wire line, RIH and set 8K frac plug @ 9150'. RIH and perforate interval #2 @ 9066-82', 9087-90', 3 spf, 59 holes. Fraced interval #2 w/ 40,126# 20/40 PR6000 sand.

Pumped frac at an avg rate of 26.3 bpm, using 220.6 mscf of N2 and 540 bbls of fluid. Avg surface treating pressure was 3280 psi w/ sand concentrations stair stepping from 1.0 ppg to 4.0 ppg.

2785 gallons Pad YF120ST/N2 gel.

2117 gallons YF120ST/N2 pumped @ 1.0 ppg sand concentration.

2115 gallons YF120ST/N2 pumped @ 2.0 ppg sand concentration.

3514 gallons YF120ST/N2 pumped @ 3.0 ppg sand concentration.

3288 gallons YF120ST/N2 pumped @ 4.0 ppg sand concentration.

8805 gallons WF110 slick water flush.

Total frac fluid pumped 540 bbls. N2 was cut during flush. RIH and set 8K frac plug @ 8810', perforate interval # 3 @ 8601-26', 2 spf, 51 holes. Fraced interval #3 w/ 46,840# 20/40 Ottawa sand. Pumped frac at an avg rate of 33.6 bpm, using 254.5 mscf of N2 and 620 bbls of fluid. Avg surface treating pressure was 3879 psi w/ sand concentrations stair stepping from 1.0 ppg to 4.0 ppg.

2798 gallons Pad YF120ST/N2 gel.

2856 gallons YF120ST/N2 pumped @ 1.0 ppg sand concentration.

2817 gallons YF120ST/N2 pumped @ 2.0 ppg sand concentration.

2816 gallons YF120ST/N2 pumped @ 3.0 ppg sand concentration.

4581 gallons YF120ST/N2 pumped @ 4.0 ppg sand concentration.

8358 gallons WF110 slick water flush.

Total frac fluid pumped 620 bbls. N2 was cut during flush. Shut well in overnight, prep to finish frac's in the morning.

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DIV. OF OIL, GAS & MINING

# FACSIMILE COVER PAGE

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To : Utah Division of Oil, Gas & Mining

From : g

Sent : 8/30/2006 at 4:42:30 PM

Pages : 4 (including Cover)

Subject : HCU 9-32F *T109 R20E S32*

*43-047-36323*

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DIV. OF OIL, GAS & MINING



# WELL CHRONOLOGY REPORT

CONFIDENTIAL

**WELL NAME : HCU 9-32F**

DISTRICT : WESTERN

FIELD : NATURAL BUTTES 630

Event No: 1

LOCATION : 1903' FSL 685' FEL SEC 32 T 10S R 20E

COUNTY &amp; STATE : UINTAH

UT

CONTRACTOR :

WM % : 100.00 AFE # : 0602679

API # : 43-047-36323

PLAN DEPTH : 8,000

SPUD DATE : 07/28/06

DHC : \$594,000

CWC : \$631,000

AFE TOTAL : \$1,225,000

FORMATION : WASATCH/MESAVERDE

EVENT DC : \$784,220.28

EVENT CC : \$357,615.00

EVENT TC : \$1,141,835.28

WELL TOTL COST : \$1,265,170

REPORT DATE: 08/23/06

MD : 9,493

TVD : 9,493

DAYS : 12

MW : 9.6

VISC : 35

DAILY : DC : \$0.00

CC : \$43,100.00

TC : \$43,100.00

CUM : DC : \$784,220.28

CC : \$43,100.00

TC : \$827,320.28

DAILY DETAILS : 08-22-06 HCU 9-32F. MIRU SCHLUMBERGER frac equipment, tested lines to 7000 psi. Held safety meeting with all personnel. Quality control on gel & breaker systems with on-site lab was verified. Frac'd Mesa Verde Interval # 1, 9182-90', 9208-16', 9240-46', 9274-80', 9304-10', 9326-32', 2 spf, 86 holes, with 100,420# 20/40 PR6000 sand. Pumped frac at an average rate of 43.3 bpm, using 548.9 mscf of N2 and 1001 bbls of fluid. Average surface treating pressure was 4235 psi with sand concentrations stair stepping from 1.0 ppg to 4.0 ppg.

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Pumped frac at an avg rate of 26.3 bpm, using 220.6 mscf of N2 and 540 bbls of fluid. Avg surface treating pressure was 3280 psi w/ sand concentrations stair stepping from 1.0 ppg to 4.0 ppg.

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2117 gallons YF120ST/N2 pumped @ 1.0 ppg sand concentration.

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3514 gallons YF120ST/N2 pumped @ 3.0 ppg sand concentration.

3288 gallons YF120ST/N2 pumped @ 4.0 ppg sand concentration.

8805 gallons WF110 slick water flush.

Total frac fluid pumped 540 bbls. N2 was cut during flush. RIH and set 8K frac plug @ 8810', perforate interval # 3 @ 8601-26', 2 spf, 51 holes. Fraced interval #3 w/ 46,840# 20/40 Ottawa sand. Pumped frac at an avg rate of 33.6 bpm, using 254.5 mscf of N2 and 620 bbls of fluid. Avg surface treating pressure was 3879 psi w/ sand concentrations stair stepping from 1.0 ppg to 4.0 ppg.

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2817 gallons YF120ST/N2 pumped @ 2.0 ppg sand concentration.

2816 gallons YF120ST/N2 pumped @ 3.0 ppg sand concentration.

4581 gallons YF120ST/N2 pumped @ 4.0 ppg sand concentration.

8358 gallons WF110 slick water flush.

Total frac fluid pumped 620 bbls. N2 was cut during flush. Shut well in overnight, prep to finish frac's in the morning.

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DIV. OF OIL, GAS & MINING



## WELL CHRONOLOGY REPORT

**WELL NAME : HCU 9-32F**

DISTRICT : WESTERN		FIELD : NATURAL BUTTES 630	Event No: 1	LOCATION : 1903' FSL 685' FEL SEC 32 T 10S R 20E
COUNTY & STATE : UINTAH		UT	CONTRACTOR :	
WI % : 100.00	AFE # : 0602679	API # : 43-047-36323	PLAN DEPTH : 8,000	SPUD DATE : 07/28/06
DHC : \$594,000	CWC : \$631,000	AFE TOTAL : \$1,225,000	FORMATION : WASATCH/MESAVERDE	
EVENT DC : \$784,220.28	EVENT CC : \$357,615.00	EVENT TC : \$1,141,835.28	WELL TOTL COST : \$1,265,170	

<b>REPORT DATE:</b> 08/24/06	MD : 9,493	TVD : 9,493	DAYS : 13	MW : 9.6	VISC : 35
DAILY : DC : \$0.00	CC : \$314,515.00	TC : \$314,515.00	CUM : DC : \$784,220.28	CC : \$357,615.00	TC : \$1,141,835.28

DAILY DETAILS : W/ Schlumberger already rigged up. RIH and set 5K frac plug @ 7980', perforate interval # 4 @ 7722-36', 7808-12', 7824-26', 7836-38', 7874-86', 2 spf 73 holes. Fraced interval #4 w/ 105,649# 20/40 Ottawa sand. Pumped frac at an avg rate of 42.7 bpm, using 370.5 mscf of N2 and 815 bbls of fluid. Avg surface treating pressure was 4579 psi w/ sand concentrations stair stepping from 2.0 ppg to 6.0 ppg.

5584 gallons Pad YF120ST/N2 gel.  
 2849 gallons pumped YF120ST/N2 @ 2.0 ppg sand concentration.  
     4248 gallons pumped YF120ST/N2 @ 3.0 ppg sand concentration.  
 4226 gallons pumped YF120ST/N2 @ 4.0 ppg sand concentration.  
     3539 gallons pumped YF120ST/N2 @ 5.0 ppg sand concentration.  
 4485 gallons pumped YF120ST/N2 @ 6.0 ppg sand concentration.  
 7553 gallons WF110 slick water flush.

Total frac fluid pumped 815 bbls. N2 was cut during flush. RIH and set 5K frac plug @ 7690', perforate interval # 5 @ 7542-60', 7630-50', (2 runs) 2 spf, 78 holes. Fraced interval #5 w/ 74,785# 20/40 Ottawa sand. Pumped frac at an avg rate of 38.4 bpm, using 261.4 mscf of N2 and 662 bbls of fluid. Avg surface treating pressure was 4212 psi w/ sand concentrations stair stepping from 2.0 ppg to 6.0 ppg.

4184 gallons Pad YF120ST/N2 gel.  
 2153 gallons YF120ST/N2 pumped @ 2.0 ppg sand concentration.  
 2824 gallons YF120ST/N2 pumped @ 3.0 ppg sand concentration.  
  
 2823 gallons YF120ST/N2 pumped @ 4.0 ppg sand concentration.  
     2830 gallons YF120ST/N2 pumped @ 5.0 ppg sand concentration.  
     3041 gallons YF120ST/N2 pumped @ 6.0 ppg sand concentration.  
     7309 gallons WF110 slick water flush.

Total frac fluid pumped 662 bbls. N2 was cut during flush. RIH (miss run) and set 5K frac plug @ 7340', perforate interval # 6 @ 6972-78', 7198-7208', 3 spf, 50 holes (1 MissRun). Fraced interval #6 w/ 58,836# 20/40 Ottawa sand. Pumped frac at an avg rate of 38 bpm, using 291.4 mscf of N2 and 546 bbls of fluid. Avg surface treating pressure was 4237 psi w/ sand concentrations stair stepping from 2.0 ppg to 5.0 ppg.

4183 gallons Pad YF115ST/N2 gel.  
 2835 gallons YF115ST/N2 pumped @ 2.0 ppg sand concentration.  
 2830 gallons YF115ST/N2 pumped @ 3.0 ppg sand concentration.  
  
 2828 gallons YF115ST/N2 pumped @ 4.0 ppg sand concentration.  
     3750 gallons YF115ST/N2 pumped @ 5.0 ppg sand concentration.  
  
 4902 gallons WF110/N2 slick water flush.  
 Total frac fluid pumped 546 bbls. N2 was not cut during flush. Opened well to the pit on a 12/64 choke. Turned well over to production.

<b>REPORT DATE:</b> 08/25/06	MD : 9,493	TVD : 9,493	DAYS : 14	MW :	VISC :
DAILY : DC : \$0.00	CC : \$0.00	TC : \$0.00	CUM : DC : \$784,220.28	CC : \$357,615.00	TC : \$1,141,835.28

DAILY DETAILS : FLOW REPORT WELL FLOWING TO PIT UP CSG ON 12/64 CHOKE FCP 1800 RECOVERED 811 BBLs FRAC FLUID CHANGE TO 18/64 CHOKE & LEFT TO PIT. TOTAL FRAC FLUID PUMPED 4184 BBLs.

<b>REPORT DATE:</b> 08/26/06	MD : 9,493	TVD : 9,493	DAYS : 15	MW :	VISC :
DAILY : DC : \$0.00	CC : \$0.00	TC : \$0.00	CUM : DC : \$784,220.28	CC : \$357,615.00	TC : \$1,141,835.28

DAILY DETAILS : FLOW REPORT WELL FLOWING UP CSG TO PIT ON 18/64 CHOKE FCP 200, WELL DIED @ 3 PM REMOVE CHOKE FOR 4 HRS. W/ NO FLOW INSTALL 18/64 CHOKE @ 7 PM & LEFT TO PIT FCP 150, RECOVERED 490 BBLs FRAC FLUID. WAIT ON W/O RIG.



# WELL CHRONOLOGY REPORT

CONFIDENTIAL

**WELL NAME : HCU 9-32F**

DISTRICT : WESTERN	FIELD : NATURAL BUTTES 630	Event No: 1	LOCATION : 1903' FSL 685' FEL SEC 32 T 10S R 20E
COUNTY & STATE : UINTAH	UT	CONTRACTOR :	
WI % : 100.00 AFE # : 0602679	API # : 43-047-36323	PLAN DEPTH : 8,000	SPUD DATE : 07/28/06
DHC : \$594,000 CWC : \$631,000	AFE TOTAL : \$1,225,000	FORMATION : WASATCH/MESAVERDE	
EVENT DC : \$784,220.28	EVENT CC : \$357,615.00	EVENT TC : \$1,141,835.28	WELL TOTL COST : \$1,265,170

REPORT DATE: 08/27/06 MD: 9,493 TVD: 9,493 DAYS: 16 MW: VISC:  
 DAILY : DC : \$0.00 CC : \$0.00 TC : \$0.00 CUM : DC : \$784,220.28 CC : \$357,615.00 TC : \$1,141,835.28  
 DAILY DETAILS : WELL FLOWING TO PIT ON 18/64 CHOKE, CHANGED CHOKE TO 24/64 @ 12:45 PM, RECOVERED 525 BBLS FULUID, TURNED TO SALES @ 5:00 PM ON 22/64 CHOKE

REPORT DATE: 08/28/06 MD: 9,493 TVD: 9,493 DAYS: 17 MW: VISC:  
 DAILY : DC : \$0.00 CC : \$0.00 TC : \$0.00 CUM : DC : \$784,220.28 CC : \$357,615.00 TC : \$1,141,835.28  
 DAILY DETAILS : WELL FLOWING UP CSG TO SALES MADE 130 MCF, FCP 242, SLP 75, 13 BBLS OIL, 181 BBLS WTR, CHANGED TO 26/64 CHOKE, 8 HRS FLOWTIME

REPORT DATE: 08/29/06 MD: 9,493 TVD: 9,493 DAYS: 18 MW: VISC:  
 DAILY : DC : \$0.00 CC : \$0.00 TC : \$0.00 CUM : DC : \$784,220.28 CC : \$357,615.00 TC : \$1,141,835.28  
 DAILY DETAILS : FLOW REPORT WELL FLOWING UP CSG TO SALES MADE 519 MCF, FCP 207, SLP 75, 16 OIL, 173 WTR. 26/64 CHOKE 24 HR PRD. CHANGE CHOKE TO 32/64.

REPORT DATE: 08/30/06 MD: 9,493 TVD: 9,493 DAYS: 19 MW: VISC:  
 DAILY : DC : \$0.00 CC : \$0.00 TC : \$0.00 CUM : DC : \$784,220.28 CC : \$357,615.00 TC : \$1,141,835.28  
 DAILY DETAILS : FLOW REPORT WELL TO SALES MADE 539 MCF, FCP 166, SLP 75, 10 OIL, 176 WTR. 32/64 CHOKE.

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 AUG 30 2006

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

FORM 9

<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>		5. LEASE DESIGNATION AND SERIAL NUMBER: <b>ML - 22313-2</b>
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
		7. UNIT or CA AGREEMENT NAME: <b>Hill Creek Unit</b>
1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER		8. WELL NAME and NUMBER: <b>HCU 9-32F</b>
2. NAME OF OPERATOR: <b>Dominion Exploration &amp; Production, Inc.</b>		9. API NUMBER: <b>43-047-36323</b>
3. ADDRESS OF OPERATOR: <b>14000 Quail Springs</b> CITY <b>Oklahoma City</b> STATE <b>OK</b> ZIP <b>73134</b>		10. FIELD AND POOL, OR WILDCAT: <b>Natural Buttes</b>
4. LOCATION OF WELL FOOTAGES AT SURFACE: <b>1903' FSL &amp; 685' FEL</b>		COUNTY: <b>Uintah</b>
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: <b>NESE 32 10S 20E</b>		STATE: <b>UTAH</b>

CONFIDENTIAL

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

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

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

8/13/06 ran 223 jts. 5 1/2", 17#, Mav-80, LT&C csg., set @ 9469'. Cemented lead w/ 65 sks Prem Plus "V", 11.6 ppg, 3.12 yld., tailed w/835 sks HCL "V", 13.0 ppg, 1.69 yld. 8/22/06 perf & frac well. First sales 8/26/06.

NAME (PLEASE PRINT) <u>Carla Christian</u>	TITLE <u>Sr. Regulatory Specialist</u>
SIGNATURE <u><i>Carla Christian</i></u>	DATE <u>9/14/2006</u>

(This space for State use only)

SEP 18 2006

DIV. OF OIL, GAS & MINING

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STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING

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AMENDED REPORT  FORM 8  
(highlight changes)

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. TYPE OF WELL: OIL WELL  GAS WELL  DRY  OTHER \_\_\_\_\_

b. TYPE OF WORK: NEW WELL  HORIZ. LATS.  DEEP-EN  RE-ENTRY  DIFF. RESVR.  OTHER \_\_\_\_\_

2. NAME OF OPERATOR: Dominion Exploration & Production, Inc., 14000 Quail Springs Parkway,

3. ADDRESS OF OPERATOR: Suite 600 CITY Oklahoma City STATE OK ZIP 73170 PHONE NUMBER: (405) 749-1300

4. LOCATION OF WELL (FOOTAGES)  
AT SURFACE: 1903' FSL & 685' FEL  
AT TOP PRODUCING INTERVAL REPORTED BELOW: \_\_\_\_\_  
AT TOTAL DEPTH: \_\_\_\_\_

5. LEASE DESIGNATION AND SERIAL NUMBER: ML-22313-2

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT or CA AGREEMENT NAME: Hill Creek Unit

8. WELL NAME and NUMBER: HCU 9-32F

9. API NUMBER: 43-047-36323

10. FIELD AND POOL, OR WLDCCAT: Natural Buttes

11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NESE 32 10S 20E

12. COUNTY: Uintah 13. STATE: UTAH

14. DATE SPURRED: 7/28/2006 15. DATE T.D. REACHED: 8/12/2006 16. DATE COMPLETED: 8/26/2006 ABANDONED  READY TO PRODUCE

17. ELEVATIONS (DF, RKB, RT, GL): 5308' GL

18. TOTAL DEPTH: MD 9,493 TVD \_\_\_\_\_ 19. PLUG BACK T.D.: MD 9,406 TVD \_\_\_\_\_ 20. IF MULTIPLE COMPLETIONS, HOW MANY? \* 21. DEPTH BRIDGE MD \_\_\_\_\_ PLUG SET: TVD \_\_\_\_\_

22. TYPE ELECTRIC AND OTHER MECHANICAL LOGS RUN (Submit copy of each)  
Platform Express Triple combination Gamma Ray Cement Bond Log

23. WAS WELL CORED? NO  YES  (Submit analysis)  
WAS DST RUN? NO  YES  (Submit report)  
DIRECTIONAL SURVEY? NO  YES  (Submit copy)

24. CASING AND LINER RECORD (Report all strings set in well)

HOLE SIZE	SIZE/GRADE	WEIGHT (#/ft)	TOP (MD)	BOTTOM (MD)	STAGE CEMENTER DEPTH	CEMENT TYPE & NO. OF SACKS	SLURRY VOLUME (BBL)	CEMENT TOP **	AMOUNT PULLED
12 1/4"	8 5/8" H-40	32#	Surface	2,207		700 Sx		Circ	
7 7/8"	5 1/2" M-80	17#	Surface	9,469		900 Sx		CBL 2,050'	

25. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
2 3/8"	9,068							

26. PRODUCING INTERVALS

FORMATION NAME	TOP (MD)	BOTTOM (MD)	TOP (TVD)	BOTTOM (TVD)	INTERVAL (Top/Bot - MD)	SIZE	NO. HOLES	PERFORATION STATUS
(A)								Open <input type="checkbox"/> Squeezed <input type="checkbox"/>
(B) See Attachment								Open <input type="checkbox"/> Squeezed <input type="checkbox"/>
(C)								Open <input type="checkbox"/> Squeezed <input type="checkbox"/>
(D)								Open <input type="checkbox"/> Squeezed <input type="checkbox"/>

28. ACID, FRACTURE, TREATMENT, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL	AMOUNT AND TYPE OF MATERIAL
	See Attachment

29. ENCLOSED ATTACHMENTS:  ELECTRICAL/MECHANICAL LOGS  GEOLOGIC REPORT  DST REPORT  DIRECTIONAL SURVEY  SUNDRY NOTICE FOR PLUGGING AND CEMENT VERIFICATION  CORE ANALYSIS  OTHER: \_\_\_\_\_

30. WELL STATUS: Producing

31. INITIAL PRODUCTION

INTERVAL A (As shown in item #26)

DATE FIRST PRODUCED: 8/26/2006		TEST DATE: 10/19/2006		HOURS TESTED: 24		TEST PRODUCTION RATES: →	OIL - BBL: 0	GAS - MCF: 330	WATER - BBL: 0	PROD. METHOD: Flowing
CHOKE SIZE: 20	TBG. PRESS. 254	CSG. PRESS. 524	API GRAVITY	BTU - GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL - BBL: 0	GAS - MCF: 330	WATER - BBL: 0	INTERVAL STATUS: Producing

INTERVAL B (As shown in item #26)

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

INTERVAL C (As shown in item #26)

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

INTERVAL D (As shown in item #26)

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

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

Sold

33. SUMMARY OF POROUS ZONES (Include Aquifers):

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

34. FORMATION (Log) MARKERS:

Formation	Top (MD)	Bottom (MD)	Descriptions, Contents, etc.	Name	Top (Measured Depth)
				Wasatch Tonque	3,783
				Uteland Limestone	4,131
				Wasatch	4,274
				Chapita Wells	5,219
				Uteland Buttes	6,331
				Mesaverde	7,128

35. ADDITIONAL REMARKS (include plugging procedure)

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

NAME (PLEASE PRINT) Carla Christian TITLE Sr. Regulatory Specialist  
 SIGNATURE *Carla Christian* DATE 11/14/2006

This report must be submitted within 30 days of

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

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

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

Send to: Utah Division of Oil, Gas and Mining Phone: 801-538-5340  
 1594 West North Temple, Suite 1210  
 Box 145801 Fax: 801-359-3940  
 Salt Lake City, Utah 84114-5801

## HCU 9-32F Perforations & Frac's

**Interval #1** Mesaverde 9182 – 90  
9208 – 16  
9240 – 46  
9274 – 80  
9304 – 10  
9326 - 32 86 holes

Frac w/100,420# 20/40 PR6000 sd., w/548.9 mscf of N2 and 1001 bbls of YF12OST.

**Interval #2** Mesaverde 9066 – 82  
9087 - 90 59 holes

Frac w/40,126# 20/40 PR6000 sd., w/220.6 mscf of N2 and 540 bbls of YF12OST

**Interval #3** Mesaverde 8601 – 26 51 holes

Frac w/46,840# 20/40 Ottawa sd., w/254.5 mscf of N2 and 620 bbls of YF12OST

**Interval #4** Mesaverde 7722 – 36  
7808 – 12  
7824 – 26  
7836 – 38  
7874 - 86 73 holes

Frac w/105,649# 20/40 Ottawa sd., w/370.5 mscf of N2 and 815 bbls of YF12OST

**Interval #5** Wasatch 7542 – 60  
7630 - 50 78 holes

Frac w/74,785# 20/40 Ottawa sd., w/261.4 mscf of N2 and 662 bbls of YF12OST

**Interval #6** Wasatch 6972 – 78  
7198 – 08 50 holes

Frac w/58,836# 20/40 Ottawa sd., w/291.4 mscf of N2 and 546 bbls of YF115ST

Division of Oil, Gas and Mining  
**OPERATOR CHANGE WORKSHEET**

<b>ROUTING</b>
1. DJJ
2. CDW

**X - Change of Operator (Well Sold)**

Operator Name Change/Merger

The operator of the well(s) listed below has changed, effective:

7/1/2007

<b>FROM:</b> (Old Operator): N1095-Dominion Exploration & Production, Inc 14000 Quail Springs Parkway, Suite 600 Oklahoma City, OK 73134  Phone: 1 (405) 749-1300	<b>TO:</b> ( New Operator): N2615-XTO Energy Inc 810 Houston St Fort Worth, TX 76102  Phone: 1 (817) 870-2800
--	--

<b>CA No.</b>		<b>Unit:</b>		<b>HILL CREEK</b>				
<b>WELL NAME</b>	<b>SEC</b>	<b>TWN</b>	<b>RNG</b>	<b>API NO</b>	<b>ENTITY NO</b>	<b>LEASE TYPE</b>	<b>WELL TYPE</b>	<b>WELL STATUS</b>
SEE ATTACHED LIST								

**OPERATOR CHANGES DOCUMENTATION**

Enter date after each listed item is completed

- (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 8/6/2007
- (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 8/6/2007
- The new company was checked on the **Department of Commerce, Division of Corporations Database** on: 8/6/2007
- a. Is the new operator registered in the State of Utah: \_\_\_\_\_ Business Number: 5655506-0143
- b. If **NO**, the operator was contacted on: \_\_\_\_\_
- a. (R649-9-2)Waste Management Plan has been received on: IN PLACE
- b. Inspections of LA PA state/fee well sites complete on: n/a
- c. Reports current for Production/Disposition & Sundries on: ok
- Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: BLM BIA
- Federal and Indian Units:**  
 The BLM or BIA has approved the successor of unit operator for wells listed on: \_\_\_\_\_
- Federal and Indian Communization Agreements ("CA"):**  
 The BLM or BIA has approved the operator for all wells listed within a CA on: \_\_\_\_\_
- Underground Injection Control ("UIC")** The Division has approved UIC Form 5, **Transfer of Authority to Inject**, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: \_\_\_\_\_

**DATA ENTRY:**

- Changes entered in the **Oil and Gas Database** on: 9/27/2007
- Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 9/27/2007
- Bond information entered in RBDMS on: 9/27/2007
- Fee/State wells attached to bond in RBDMS on: 9/27/2007
- Injection Projects to new operator in RBDMS on: 9/27/2007
- Receipt of Acceptance of Drilling Procedures for APD/New on: 9/27/2007

**BOND VERIFICATION:**

- Federal well(s) covered by Bond Number: UTB000138
- Indian well(s) covered by Bond Number: n/a
- a. (R649-3-1) The **NEW** operator of any state/fee well(s) listed covered by Bond Number 104312762
- b. The **FORMER** operator has requested a release of liability from their bond on: 1/23/2008

The Division sent response by letter on: \_\_\_\_\_

**LEASE INTEREST OWNER NOTIFICATION:**

- (R649-2-10) The **NEW** operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: \_\_\_\_\_

**COMMENTS:**

**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:
		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
		7. UNIT or CA AGREEMENT NAME:
1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER _____		8. WELL NAME and NUMBER: <b>SEE ATTACHED</b>
2. NAME OF OPERATOR: <b>XTO Energy Inc.</b> <i>N2615</i>		9. API NUMBER: <b>SEE ATTACHED</b>
3. ADDRESS OF OPERATOR: 810 Houston Street CITY <b>Fort Worth</b> STATE <b>TX</b> ZIP <b>76102</b>		10. FIELD AND POOL, OR WILDCAT: <b>Natural Buttes</b>
4. LOCATION OF WELL FOOTAGES AT SURFACE: <b>SEE ATTACHED</b>		COUNTY: <b>Uintah</b>
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:		STATE: <b>UTAH</b>

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

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

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

Effective July 1, 2007, XTO Energy Inc. has purchased the wells listed on the attachment from:

Dominion Exploration & Production, Inc. *N1095*  
14000 Quail Springs Parkway, Suite 600  
Oklahoma City, OK 73134

*James D. Abercrombie* *(405) 749-1300*  
James D. Abercrombie  
Sr. Vice President, General Manager - Western Business Unit

Please be advised that XTO Energy Inc. is considered to be the operator on the attached list and is responsible under the terms and conditions of the lease for the operations conducted upon the lease lands. Bond coverage is provided by Nationwide BLM Bond #104312750 and Department of Natural Resources Bond #104312762.

NAME (PLEASE PRINT) <u>Edwin S. Ryan, Jr.</u>	TITLE <u>Sr. Vice President - Land Administration</u>
SIGNATURE <i>Edwin S. Ryan, Jr.</i>	DATE <u>7/31/2007</u>

(This space for State use only)

**APPROVED** 9127107  
*Earlene Russell*  
Division of Oil, Gas and Mining  
Earlene Russell, Engineering Technician

(See Instructions on Reverse Side)

**RECEIVED**  
**AUG 06 2007**  
DIV. OF OIL, GAS & MINING

(5/2000)

N1095 DOMINION E and P, INC. to N2615 XTO ENERGY, INC.

api	well name	qtr_qtr	sec	tpw	rng	lease_num	entity	Lease	well	stat
4304731522	FEDERAL 1-29	SWNW	29	100S	200E	U-28203	12829	Federal	GW	P
4304731601	HILLCREEK FED 1-30	NWSW	30	100S	200E	U-30693	12829	Federal	GW	P
4304731675	HILL CREEK FED 1-27	SEW	27	100S	200E	U-29784	12829	Federal	GW	P
4304733671	HCU 1-28F	NENE	28	100S	200E	14-20-H62-4783	12829	Indian	GW	S
4304733672	HCU 1-29F	NENE	29	100S	200E	U-28203	12829	Federal	GW	P
4304733673	HCU 2-30F	NWNE	30	100S	200E	UTU-29784	12829	Federal	GW	P
4304733688	HCU 3-28F	NENW	28	100S	200E	U-28203	12829	Federal	GW	P
4304733689	HCU 3-29F	NENW	29	100S	200E	U-28203	12829	Federal	GW	P
4304733713	HCU 3-30F	NWNW	30	100S	200E	UTU-30693	12829	Federal	GW	P
4304733835	HCU 5-30F	SWNW	30	100S	200E	U-30693	12829	Federal	GW	P
4304733836	HCU 6-30F	SEW	30	100S	200E	U-30693	12829	Federal	GW	P
4304733964	HCU 8-30F	SENE	30	100S	200E	UTU-29784	12829	Federal	GW	P
4304733965	HCU 11-30F	NESW	30	100S	200E	U-30693	12829	Federal	GW	P
4304733966	HCU 13-30F	SWSW	30	100S	200E	U-30693	12829	Federal	GW	P
4304734045	HCU 5-28F	SWNW	28	100S	200E	U-28203	12829	Federal	GW	P
4304734046	HCU 7-29F	SWNE	29	100S	200E	U-28203	12829	Federal	GW	P
4304734223	HCU 9-29F	NESE	29	100S	200E	U-28203	12829	Federal	GW	P
4304734298	HCU 3-31F	NWNW	31	100S	200E	UTU-30693	12829	Federal	GW	P
4304734299	HCU 5-31F	SWNW	31	100S	200E	UTU-30693	12829	Federal	GW	P
4304734300	HCU 7-31F	SEW	31	100S	200E	UTU-30693	12829	Federal	GW	P
4304734316	HCU 2-27F	NWNE	27	100S	200E	UTU-79130	12829	Federal	GW	P
4304734351	HCU 8-27F	SENE	27	100S	200E	UTU-79130	12829	Federal	GW	P
4304734352	HCU 11-31F	NWSW	31	100S	200E	UTU-30693	12829	Federal	GW	P
4304734353	HCU 13-31F	SWSW	31	100S	200E	UTU-30693	12829	Federal	GW	P
4304734853	HCU 1-33F	NENE	33	100S	200E	14-20-H62-4782	12829	Indian	GW	P
4304734854	HCU 3-34F	NENW	34	100S	200E	U-28203	12829	Federal	GW	P
4304734913	HCU 1-27F	NENE	27	100S	200E	U-79130	12829	Federal	GW	P
4304734914	HCU 3-27F	NENW	27	100S	200E	U-79130	12829	Federal	GW	P
4304734915	HCU 7-27F	SWNE	27	100S	200E	U-79130	12829	Federal	GW	S
4304734916	HCU 10-27F	NWSE	27	100S	200E	U-79130	12829	Federal	GW	P
4304734917	HCU 14-30F	SWSW	30	100S	200E	U-30693	12829	Federal	GW	P
4304734918	HCU 15-30F	SWSE	30	100S	200E	U-29784	12829	Federal	GW	P
4304734919	HCU 2-31F	NWNE	31	100S	200E	U-30693	12829	Federal	GW	P
4304734920	HCU 6-31F	SWNW	31	100S	200E	U-30693	12829	Federal	GW	P
4304734921	HCU 4-31F	NWNW	31	100S	200E	U-30693	12829	Federal	GW	P
4304735130	HCU 11-27F	NESW	27	100S	200E	U-29784	12829	Federal	GW	P
4304735131	HCU 2-29F	NWNE	29	100S	200E	U-28203	12829	Federal	GW	P
4304735132	HCU 9-30F	NESE	30	100S	200E	U-29784	12829	Federal	GW	P
4304735133	HCU 10-30F	NWSE	30	100S	200E	U-29784	12829	Federal	GW	P
4304735134	HCU 1-31F	NENE	31	100S	200E	U-36903	12829	Federal	GW	P
4304735135	HCU 12-31F	NWSW	31	100S	200E	U-30693	12829	Federal	GW	P
4304735137	HCU 2-33F	NENE	33	100S	200E	U-28203	12829	Federal	GW	P
4304735139	HCU 5-34F	NENW	34	100S	200E	U-28203	12829	Federal	GW	P
4304735154	HCU 13-27F	NESW	27	100S	200E	U-29784	12829	Federal	GW	P
4304735230	HCU 8-33F	SENE	33	100S	200E	14-20-H62-4782	12829	Indian	GW	P
4304735307	HCU 6-29F	SEW	29	100S	200E	U-28203	12829	Federal	GW	P
4304735470	HCU 11-29F	NESW	29	100S	200E	U-28203	12829	Federal	GW	P
4304735471	HCU 10-29F	NWSE	29	100S	200E	U-28203	12829	Federal	GW	P

N1095 DOMINION E and P, INC. to N2615 XTO ENERGY, INC.

api	well_name	qtr_qtr	sec	tpw	rng	lease_num	entity	Lease	well	stat
4304735507	HCU 12-29FA	NESW	29	100S	200E	U-28203	12829	Federal	GW	DRL
4304735724	HCU 16-27F	SESE	27	100S	200E	U-79130	12829	Federal	GW	P
4304735725	HCU 9-27F	NESE	27	100S	200E	U-79130	12829	Federal	GW	P
4304735726	HCU 15-27F	SWSE	27	100S	200E	U-79130	12829	Federal	GW	P
4304735727	HCU 9-34F	NESE	34	100S	200E	U-79130	12829	Federal	GW	P
4304735728	HCU 7-34F	SWNE	34	100S	200E	U-79130	12829	Federal	GW	P
4304735832	HCU 9-33F	NESE	33	100S	200E	U-28203	12829	Federal	GW	P
4304735833	HCU 16-33F	SESE	33	100S	200E	U-28203	12829	Federal	GW	P
4304735835	HCU 11-34F	NESW	34	100S	200E	U-28203	12829	Federal	GW	P
4304735836	HCU 12-34F	NWSW	34	100S	200E	U-28203	12829	Federal	GW	P
4304735837	HCU 13-34F	SWSW	34	100S	200E	U-28203	12829	Federal	GW	P
4304735838	HCU 15-34F	SWSE	34	100S	200E	U-79130	12829	Federal	GW	P
4304735875	HCU 14-34F	SWSE	34	100S	200E	U-79130	12829	Federal	GW	P
4304735934	HCU 8-31F	SENE	31	100S	200E	U-30693	12829	Federal	GW	P
4304735935	HCU 10-31F	NWSE	31	100S	200E	U-30693	12829	Federal	GW	P
4304735936	HCU 9-31F	NWSE	31	100S	200E	U-30693	12829	Federal	GW	P
4304735939	HCU 16-28F	SESE	28	100S	200E	U-28203	12829	Federal	GW	P
4304735940	HCU 6-34F	SENE	34	100S	200E	U-28203	12829	Federal	GW	P
4304735996	HCU 16-34F	SESE	34	100S	200E	U-79130	12829	Federal	GW	P
4304736046	HCU 14-31F	SWSW	31	100S	200E	U-30693	12829	Federal	GW	P
4304736251	HCU 16-30F	NESE	30	100S	200E	U-29784	12829	Federal	GW	P
4304736319	HCU 10-28F	NWSE	28	100S	200E	U-28203	12829	Federal	GW	P
4304736320	HCU 13-28F	SWSW	28	100S	200E	U-28203	12829	Federal	GW	P
4304736321	HCU 14-28F	SESW	28	100S	200E	U-28203	12829	Federal	GW	P
4304736437	HCU 5-27F	SWNW	27	100S	200E	U-29784	12829	Federal	GW	DRL
4304736438	HCU 4-27F	SWNW	27	100S	200E	U-29784	12829	Federal	GW	DRL
4304736439	HCU 11-28F	NESW	28	100S	200E	U-28203	12829	Federal	GW	P
4304736440	HCU 5-30F2	SWNW	30	100S	200E	U-30693	12829	Federal	GW	DRL
4304736601	HCU 5-33F	SWNW	33	100S	200E	U-28203	12829	Federal	GW	P
4304736602	HCU 12-33F	NWSW	33	100S	200E	U-28203	12829	Federal	GW	P
4304736603	HCU 6-28F	SENE	28	100S	200E	U-28203	12829	Federal	GW	S
4304736604	HCU 12-28F	NWSW	28	100S	200E	U-28203	12829	Federal	GW	P
4304736685	HCU 13-33F	SWSW	33	100S	200E	U-28203	12829	Federal	GW	P
4304736846	HCU 9-28F	NESE	28	100S	200E	14-20-H62-4781	12829	Indian	GW	P
4304736847	HCU 8-28F	SENE	28	100S	200E	14-20-H62-4783	12829	Indian	GW	P
4304736848	HCU 7-28F	SWNE	28	100S	200E	U-28203	12829	Federal	GW	P
4304736849	HCU 1-34F	NENE	34	100S	200E	U-79130	12829	Federal	GW	P
4304736852	HCU 14-27F	NESW	27	100S	200E	U-29784	12829	Federal	GW	DRL
4304736853	HCU 16-29F	SESE	29	100S	200E	U-28203	12829	Federal	GW	P
4304737060	HCU 4-33F	NWNW	33	100S	200E	U-28203	12829	Federal	GW	P
4304737202	HCU 6-33F	SENE	33	100S	200E	U-28203	12829	Federal	GW	P
4304737203	HCU 3-33F	NWNE	33	100S	200E	U-28203	12829	Federal	OW	P
4304737204	HCU 15-28F	NWNE	33	100S	200E	14-20-H62-4781	12829	Indian	OW	P
4304737284	HCU 7-30F	SENE	30	100S	200E	U-29784	99999	Federal	OW	DRL
4304737340	HCU 5-29F	SWNW	29	100S	200E	U-28203	12829	Federal	GW	P
4304737360	HCU 11-33F	NWSW	33	100S	200E	U-28203	12829	Federal	GW	P
4304737424	HCU 12-27F	NESW	27	100S	200E	U-29784	12829	Federal	OW	DRL
4304737425	HCU 14-29F	SWSW	29	100S	200E	U-28203	12829	Federal	GW	P

N1095 DOMINION E and P, INC. to N2615 XTO ENERGY, INC.

api	well name	qtr_qtr	sec	twp	rng	lease num	entity	Lease	well	stat
4304737426	HCU 13-29F	SWSW	29	100S	200E	U-28203	12829	Federal	GW	P
4304737427	HCU 8-29F	NESE	29	100S	200E	U-28203	12829	Federal	GW	P
4304737445	HCU 8-34F	SENE	34	100S	200E	U-79130	12829	Federal	OW	S
4304737446	HCU 2-34F	NWNE	34	100S	200E	U-79130	12829	Federal	OW	DRL
4304737447	HCU 7-33F	SENE	33	100S	200E	U-28203	12829	Federal	OW	DRL
4304737570	HCU 10-33F	NWSE	33	100S	200E	14-20-H62-4782	12829	Indian	GW	P
4304737749	HCU 4-28F	NENW	28	100S	200E	U-28203	99999	Federal	GW	DRL
4304737750	HCU 14-33F	SWSE	33	100S	200E	U-028203	12829	Federal	GW	DRL
4304731560	HILL CREEK ST 1-32	SENW	32	100S	200E	ML-22313	12829	State	GW	P
4304734852	HCU 4-32F	NWNW	32	100S	200E	ML-22313-2	12829	State	GW	P
4304735136	HCU 5-32F	SWNW	32	100S	200E	ML-22313-2	12829	State	GW	P
4304735870	HCU 13-32F	NESE	31	100S	200E	ML-22313-2		State	GW	LA
4304735871	HCU 12-32F	NESE	31	100S	200E	ML-22313-2		State	GW	LA
4304735872	HCU 14-32F	SESW	32	100S	200E	ML-22313-2	12829	State	GW	P
4304735873	HCU 3-32F	NENW	32	100S	200E	ML-22313-2	12829	State	GW	DRL
4304735874	HCU 11-32F	SENW	32	100S	200E	ML-22313-2	12829	State	D	PA
4304736322	HCU 16-32F	SESE	32	100S	200E	ML-22313-2	12829	State	GW	P
4304736323	HCU 9-32F	NESE	32	100S	200E	ML-22313-2	12829	State	GW	P
4304736324	HCU 8-32F	SENE	32	100S	200E	ML-22313-2	12829	State	GW	P
4304736441	HCU 1-32F2	NENE	32	100S	200E	ML-22313-2	12829	State	GW	P
4304736684	HCU 7-32F	SENE	32	100S	200E	ML-22313-2	12829	State	GW	P



# United States Department of the Interior

## BUREAU OF LAND MANAGEMENT

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



IN REPLY REFER TO  
3180  
UT-922

Dominion Exploration & Production, Inc.  
Attn: James D. Abercrombie  
14000 Quail Springs Parkway, #600  
Oklahoma City, OK 73134-2600

August 10, 2007

Re: Hill Creek Unit  
Uintah County, Utah

Gentlemen:

On August 8, 2007, we received an indenture dated June 30, 2007, whereby Dominion Exploration & Production, Inc. resigned as Unit Operator and XTO Energy Inc. was designated as Successor Unit Operator for the Hill Creek Unit, Uintah County, Utah.

This indenture was executed by all required parties and the signatory parties have complied with Sections 5 and 6 of the unit agreement. The instrument is hereby approved effective August 15, 2007. In approving this designation, the Authorized Officer neither warrants nor certifies that the designated party has obtained all required approval that would entitle it to conduct operations under the Hill Creek Unit Agreement.

Your statewide oil and gas Bond No. UTB000138 will be used to cover all operations within the River Bend Unit.

It is requested that you notify all interested parties of the change in unit operator. Copies of the approved instruments are being distributed to the appropriate federal offices, with one copy returned herewith.

Sincerely,

*/s/ Greg J. Noble*

Greg J. Noble  
Acting Chief, Branch of Fluid Minerals

Enclosure

RECEIVED

AUG 16 2007

DIV. OF OIL, GAS & MINING

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9	
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> ML-22313-2	
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.		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>	
		<b>7. UNIT or CA AGREEMENT NAME:</b> HILL CREEK	
<b>1. TYPE OF WELL</b> Gas Well	<b>8. WELL NAME and NUMBER:</b> HCU 9-32F		
<b>2. NAME OF OPERATOR:</b> XTO ENERGY INC	<b>9. API NUMBER:</b> 43047363230000		
<b>3. ADDRESS OF OPERATOR:</b> 382 Road 3100 , Aztec, NM, 87410	<b>PHONE NUMBER:</b> 505 333-3159 Ext	<b>9. FIELD and POOL or WILDCAT:</b> NATURAL BUTTES	
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 1903 FSL 0685 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NESE Section: 32 Township: 10.0S Range: 20.0E Meridian: S	<b>COUNTY:</b> UINTAH		
		<b>STATE:</b> UTAH	
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA			
TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input checked="" type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input style="width: 50px;" type="text"/>
<b>12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.</b> XTO Energy Inc. has completed an acid treatment on this well per the attached summary report.			
<b>Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY</b>			
<b>NAME (PLEASE PRINT)</b> Barbara Nicol	<b>PHONE NUMBER</b> 505 333-3642	<b>TITLE</b> Regulatory Compliance Tech	
<b>SIGNATURE</b> N/A	<b>DATE</b> 8/17/2011		

**Hill Creek Unit 09-32F**

**7/11/2011:** MIRU. Unland tbg hgr & TOH w/ tbg.

**7/12/2011:** Tgd fill @ 9,355'.

**7/13/2011:** MIRU ac equip. Ppd dwn tbg w/1500 gals 15% ac w/adds, Mutual solvent, iron seq, corr inhib & sc inhib. Flshd w/16 bbls TFW. Wait 1 hr, let ac soak. Ppd dwn tbg w/additional 20 bbls TFW & Ppd dwn csg w/40 bbls TFW. SWI & allow ac to soak overnight.

**7/14/2011:** RU & RIH w/swb tls. BFL @ 4,800' FS. S, 0 BO, 59 BLW, 17 runs, 8-1/2 hrs. Smpl taken every hr. Blk gas cut wtr, lots of solids ( iron sulfide & sd ), tr of O, PH 0. FFL @ 5,900' FS. SICP 110 psig. SWI & SDFN.

**7/15/2011:** Ld tbg on hgr. Fin equip run: 2-3/8" mule shoe col, 2-3/8" SN, 279 jts 2-3/8" 4.7#, J-55, EUE, 8rd tbg & 10 jts 2-3/8" 4.7#, L-80, EUE, 8rd tbg. RU & RIH w/swb tls. BFL @ 5,600' FS. S, 0 BO, 63.5 BLW, 15 runs, 7 hrs. Smpl taken every hr. Gray gas cut wtr, ltl solids ( iron sulfide & sd ), tr of O, PH 5. FFL @ 5,900' FS. SICP 175 psig. SWIFBU. SDFWE.

**7/18/2011:** RU & RIH w/swb tls. BFL @ 5,700' FS. S, 0 BO, 92 BLW, 18 runs, 8-1/2 hrs. Smpl taken every hr. Gray gas cut wtr, ltl solids (iron sulfide & sd), tr of O, PH 7. FFL @ 5,300' FS. SICP 810 psig. SWI. RDMO. SDFN.

**7/19/2011:** RU & RIH w/swb tls. BFL @ 5,750' FS. S. 0 BO, 28 BW, 7 runs, 8 hrs. FFL @ 7,000' FS. SITP 200 psig, SICP 380 psig. SWI @ 4:00 p.m., 7/19/11. SWI for night.

**7/20/2011:** RU & RIH w/swb tls. BFL @ 5,000' FS. S. 0 BO, 36 BW, 8 runs, 7 hrs. FFL @ 5,000' FS. SITP 48 psig, SICP 800 psig. SWI @ 2:00 p.m., 7/20/11. SWI for night

**7/21/2011:** RU & RIH w/swb tls. BFL @ 6,500' FS. S. 0 BO, 36 BW, 6 runs, 8 hrs. FFL @ 6,500' FS. SITP 48 psig, SICP 625 psig. SWI @ 4:00 p.m., 7/21/11. SWI for night

**7/22/2011:** RU & RIH w/swb tls. BFL @ 6,800' FS. S. 0 BO, 12 BW, 2 runs, 5 hrs. FFL @ 6,800' FS. SITP 575 psig, SICP 725 psig. KO well flwg. Cycled plngr. RWTP @ 12:00 a.m., 7/22/11. RDMO SWU.

=====Hill Creek Unit 09-32F=====

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> ML-22313-2
		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>
<b>1. TYPE OF WELL</b> Gas Well		<b>7. UNIT or CA AGREEMENT NAME:</b> HILL CREEK
<b>2. NAME OF OPERATOR:</b> XTO ENERGY INC		<b>8. WELL NAME and NUMBER:</b> HCU 9-32F
<b>3. ADDRESS OF OPERATOR:</b> PO Box 6501 , Englewood, CO, 80155	<b>PHONE NUMBER:</b> 303 397-3727 Ext	<b>9. API NUMBER:</b> 43047363230000
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 1903 FSL 0685 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NESE Section: 32 Township: 10.0S Range: 20.0E Meridian: S		<b>9. FIELD and POOL or WILDCAT:</b> NATURAL BUTTES
		<b>COUNTY:</b> UINTAH
		<b>STATE:</b> UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input checked="" type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 4/23/2013	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input style="width: 100px;" type="text"/>

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

XTO Energy Inc. has performed an acid treatment on this well:  
 4/16/2013: MIRU SLU. RU fishing tools. Tag. Rec plunger. Rec BHBS. Tag 45' fill. Broach. RDMO SLU. 4/17/2013: MIRU acid pumping trk. NU to tbg. PT line to 2,500. Pmp 250 gal 15% HCL ac w/adds, flshd w/30 bbl TFW. Avg tbg 286 psig. ND fr tbg. NU to csg. PT line to 2,500 psig. Pmp 500 gal 15% HCL ac w/adds, flshd w/100 bbls TFW. SWI for ac soak. RDMO acid pumping trk. 4/18/2013: MIRU SWU. BD tbg to prod tk. Drop same PCS BHBS. RU swb tls Swab. SWI & SDFN. 4/19/2013: RU swb tls & RIH. Swab. SWI & SDFN. 4/22/2013: RU swb tls & RIH. Swab. Drop New PCS dual pad plngr & SWI for 1 hr. Cycld plngr to surf & RWTP 4/22/13. Well died overnight. 4/23/2013: RU fish tls & RIH JDC. Tgd @ SN. POH. Rec PCS dual pad plngr. RU swb tls & RIH. Swab. Drop same dual pad plngr & SWI for 1 hr. Cycld plngr to surf & RWTP 4/23/13. RDMO SWU.

**Accepted by the  
Utah Division of  
Oil, Gas and Mining  
FOR RECORD ONLY  
April 30, 2013**

<b>NAME (PLEASE PRINT)</b> Barbara Nicol	<b>PHONE NUMBER</b> 303-397-3736	<b>TITLE</b> Regulatory Compliance Tech
<b>SIGNATURE</b> N/A	<b>DATE</b> 4/30/2013	

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	<b>FORM 9</b>
<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> ML-22313-2	
<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>	
<b>7. UNIT or CA AGREEMENT NAME:</b> HILL CREEK	
<b>8. WELL NAME and NUMBER:</b> HCU 9-32F	
<b>9. API NUMBER:</b> 43047363230000	
<b>9. FIELD and POOL or WILDCAT:</b> NATURAL BUTTES	
<b>COUNTY:</b> UINTAH	
<b>STATE:</b> UTAH	

**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.

<b>1. TYPE OF WELL</b> Gas Well	
<b>2. NAME OF OPERATOR:</b> XTO ENERGY INC	
<b>3. ADDRESS OF OPERATOR:</b> PO Box 6501 , Englewood, CO, 80155	<b>PHONE NUMBER:</b> 303 397-3727 Ext
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 1903 FSL 0685 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NESE Section: 32 Township: 10.0S Range: 20.0E Meridian: S	

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> <b>NOTICE OF INTENT</b> Approximate date work will start: 1/2/2015	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input type="checkbox"/> <b>SUBSEQUENT REPORT</b> Date of Work Completion:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> <b>SPUD REPORT</b> Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> <b>DRILLING REPORT</b> Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input checked="" type="checkbox"/> OTHER	OTHER: <input type="text" value="PWOP"/>

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

XTO Energy Inc. intends to put this well on a pumping unit to increase production.

Approved by the  
 January 29, 2015  
 Oil, Gas and Mining

Date: \_\_\_\_\_

By: DeKQ

<b>NAME (PLEASE PRINT)</b> Barbara Nicol	<b>PHONE NUMBER</b> 303-397-3736	<b>TITLE</b> Regulatory Analyst
<b>SIGNATURE</b> N/A	<b>DATE</b> 12/15/2014	

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9	
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> ML-22313-2	
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.		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>	
		<b>7. UNIT or CA AGREEMENT NAME:</b> HILL CREEK	
<b>1. TYPE OF WELL</b> Gas Well		<b>8. WELL NAME and NUMBER:</b> HCU 9-32F	
<b>2. NAME OF OPERATOR:</b> XTO ENERGY INC		<b>9. API NUMBER:</b> 43047363230000	
<b>3. ADDRESS OF OPERATOR:</b> PO Box 6501 , Englewood, CO, 80155	<b>PHONE NUMBER:</b> 303 397-3727 Ext	<b>9. FIELD and POOL or WILDCAT:</b> NATURAL BUTTES	
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 1903 FSL 0685 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NESE Section: 32 Township: 10.0S Range: 20.0E Meridian: S		<b>COUNTY:</b> UINTAH	
		<b>STATE:</b> UTAH	
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA			
TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE  <input type="checkbox"/> CHANGE TO PREVIOUS PLANS  <input type="checkbox"/> CHANGE WELL STATUS  <input type="checkbox"/> DEEPEN  <input type="checkbox"/> OPERATOR CHANGE  <input type="checkbox"/> PRODUCTION START OR RESUME  <input type="checkbox"/> REPERFORATE CURRENT FORMATION  <input type="checkbox"/> TUBING REPAIR  <input type="checkbox"/> WATER SHUTOFF  <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING  <input type="checkbox"/> CHANGE TUBING  <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS  <input type="checkbox"/> FRACTURE TREAT  <input type="checkbox"/> PLUG AND ABANDON  <input type="checkbox"/> RECLAMATION OF WELL SITE  <input type="checkbox"/> SIDETRACK TO REPAIR WELL  <input type="checkbox"/> VENT OR FLARE  <input type="checkbox"/> SI TA STATUS EXTENSION  <input checked="" type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR  <input type="checkbox"/> CHANGE WELL NAME  <input type="checkbox"/> CONVERT WELL TYPE  <input type="checkbox"/> NEW CONSTRUCTION  <input type="checkbox"/> PLUG BACK  <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION  <input type="checkbox"/> TEMPORARY ABANDON  <input type="checkbox"/> WATER DISPOSAL  <input type="checkbox"/> APD EXTENSION  OTHER: <input style="width: 50px;" type="text" value="PWOP"/>
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 4/14/2015			
<input type="checkbox"/> SPUD REPORT Date of Spud:			
<input type="checkbox"/> DRILLING REPORT Report Date:			
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.			
XTO Energy Inc. has put this well on a pumping unit per the attached summary report.			
<b>Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY April 23, 2015</b>			
<b>NAME (PLEASE PRINT)</b> Barbara Nicol	<b>PHONE NUMBER</b> 303-397-3736	<b>TITLE</b> Regulatory Analyst	
<b>SIGNATURE</b> N/A		<b>DATE</b> 4/17/2015	

**Hill Creek Unit 09-32F**

4/6/2015: ND WH. NU & FT BOP's. PU & TIH w/ 23 jts tbg. Tgd 46' new fill @ 9,360'. TOH w/ tbg.

4/7/2015: Cont TOH tbg, 2.375" SN w/Ms clr. MU & TIH w/ 4.75" bit, 5.5" scraper, SN & 313 jts 2.375" tbg. Tgd 64' fill @ 9,360'. LD 1 jt tbg. Dropd SV & PT tbg to 2,000 psig w/25 bbl.'s TPW, 10", Tstd ok. Retrv SV. TOH w/ 312 jts tbg, LD bit/scr. MU & TIH w/ 4.75" WO shoe, bumper sub, SN & 224 jts tbg. EOT @ 6885'.

4/8/2015: Cont TIH w/ 88 jts 2.375" tbg. MIRU AFU & pwr swvl. PU 1 jt 2.375" tbg. Tag fill @ 9,360'. Estb circ. CO to Brs @ 9406'. Washover & Push Brs to PBTD @ 9,424' w/2 jt 2.375" tbg. C&C 3 hr. Kill well w/30 BLS TPW. LD 3 jt 2.375" tbg. RDMO pwr swvl & AFU. TOH w/ 312 jts tbg. LD bumper sub & 4.75" WO shoe. MU & TIH w/ Ms clr, 5.5" SH TAC, 4' 2.375" tbg sub. 2,375" SN & 60 jts 2.375", 4.7#, L-80 eue tbg. EOT @ 1,750'.

4/9/2015: Cont TIH w/252 jts 2.375" tbg. Set TAC @ 9,353' w/ 12k tension. SN @ 9,344'. EOT@ 9,353'. Ld tbg on hgr. ND BOP. NU WH. Broach. Swab.

4/10/2015: Swab. PU & loaded new pump and rods, TIH. Seated pmp. PT tbg to 500 psig w/20 bbls TPW, gd tst.

4/14/2015: RWTP @ 4:00 p.m., Tuesday, 04/14/2015. 3 SPM x 100" SL.

=====Hill Creek Unit 09-32F=====