

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

FORM 3

AMENDED REPORT
(highlight changes)

RIG SKID

APPLICATION FOR PERMIT TO DRILL		5. MINERAL LEASE NO: ML-21613	6. SURFACE: State
1A. TYPE OF WORK: DRILL <input checked="" type="checkbox"/> REENTER <input type="checkbox"/> DEEPEN <input type="checkbox"/>	7. INDIAN, ALLOTTEE OR TRIBE NAME:		8. UNIT or CA AGREEMENT NAME:
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"/>	9. WELL NAME and NUMBER: NFC Westwater State #22A-32		10. FIELD AND POOL, OR WILDCAT: Westwater
2. NAME OF OPERATOR: National Fuel Corporation	3. ADDRESS OF OPERATOR: 7979 E. Tufts Ave. #815 CITY Denver STATE Co ZIP 80237		PHONE NUMBER: (303) 220-7772
4. LOCATION OF WELL (FOOTAGES) AT SURFACE: 2549' FNL, 2580' FWL AT PROPOSED PRODUCING ZONE: 2500' FNL, 2440' FWL		11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SENW 32 16S 24E	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE: 48.2 miles Northwest of Fruita, Colorado		12. COUNTY: Grand	13. STATE: UTAH
15. DISTANCE TO NEAREST PROPERTY OR LEASE LINE (FEET) surface 2549', subsurface 2440'	16. NUMBER OF ACRES IN LEASE: 640	17. NUMBER OF ACRES ASSIGNED TO THIS WELL: no spacing	
18. DISTANCE TO NEAREST WELL (DRILLING, COMPLETED, OR APPLIED FOR) ON THIS LEASE (FEET) 1860' Westwater #M-6	19. PROPOSED DEPTH: 6,650	20. BOND DESCRIPTION: Statewide Drlg. Bond #04127314	
21. ELEVATIONS (SHOW WHETHER DF, RT, GR, ETC.): graded 7325'	22. APPROXIMATE DATE WORK WILL START: 4/15/2006	23. ESTIMATED DURATION: 25 Days	

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	CASING SIZE, GRADE, AND WEIGHT PER FOOT			SETTING DEPTH	CEMENT TYPE, QUANTITY, YIELD, AND SLURRY WEIGHT		
17 1/2"	13 3/8	H-40	48#	150	Class G	181 sx 1.15 cu. ft/sk	15.8 ppg
12 1/4"	9 5/8	J-55	36#	1,000	Class G	389 sx 1.61 cu. ft/sk	14.2 ppg
8 3/4"	4 1/2	N-80	11.6#	6,656	50/50 poz	1377 sx 1.26 cu. ft/sk	14.2 ppg

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) Andrew Busch TITLE V.P. of Operations
SIGNATURE *Andrew Busch* DATE 3/24/2006

(This space for State use only)

API NUMBER ASSIGNED: 43019-31473

APPROVAL:

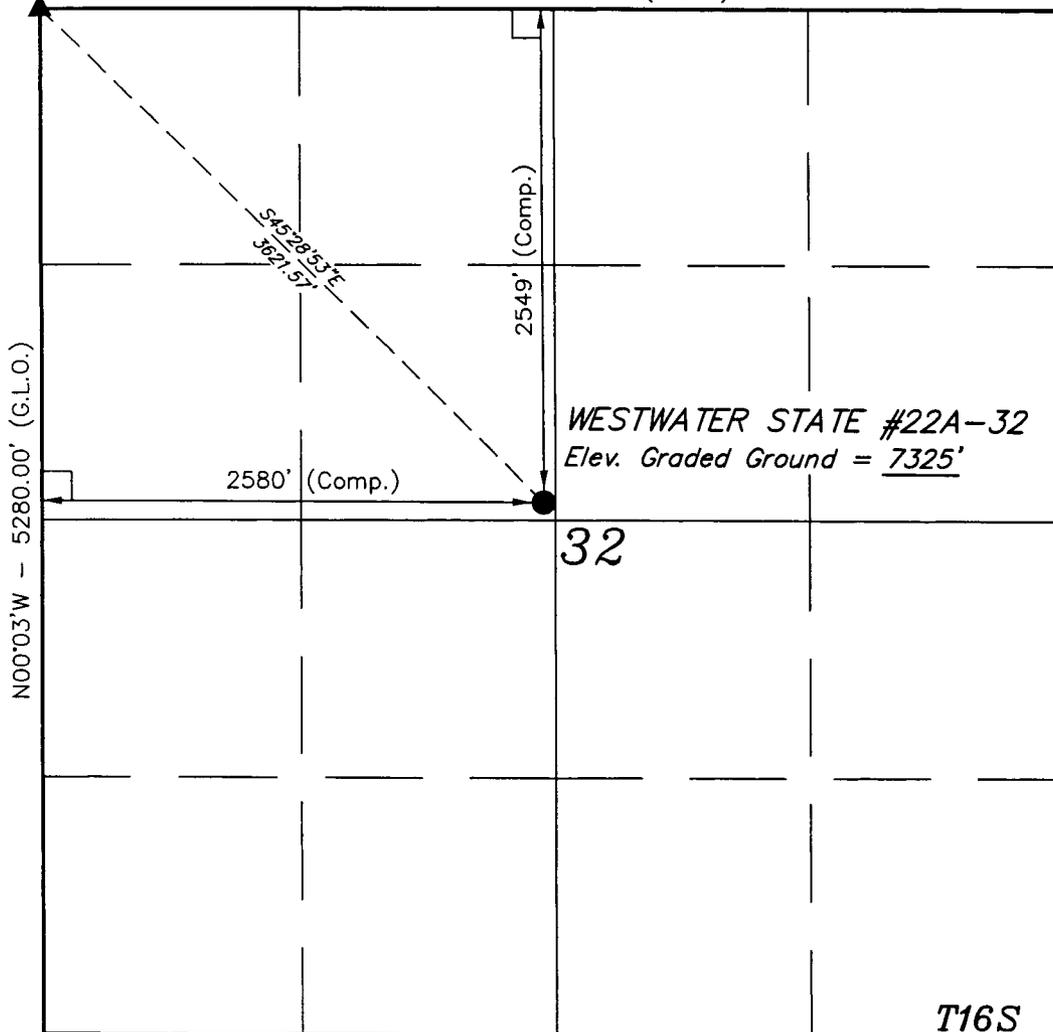
RECEIVED
MAY 02 2006

DIV. OF OIL, GAS & MINING

T16S, R24E, S.L.B.&M.

1922 Brass Cap,
1.0' High, Bearing
Trees

S89°47'W - 5274.72' (G.L.O.)



WESTWATER STATE #22A-32
Elev. Graded Ground = 7325'

32

T16S
T17S

EAST - 5280.00' (G.L.O.)

N00°03'W - 5280.00' (G.L.O.)

N00°03'W - 5280.00' (G.L.O.)

NATIONAL FUEL CORPORATION

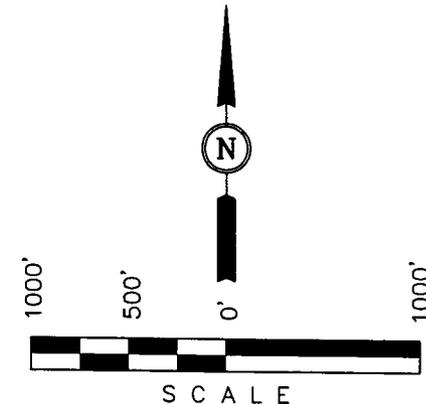
Well location, WESTWATER STATE #22A-32,
located as shown in the SE 1/4 NW 1/4 of
Section 32, T16S, R24E, S.L.B.&M. Grand County,
Utah.

BASIS OF ELEVATION

SPOT ELEVATION IN THE SW 1/4 OF SECTION 29, T16S, R24E,
S.L.B.&M. TAKEN FROM THE P.R. SPRING, QUADRANGLE, UTAH,
7.5 MINUTE QUAD. (TOPOGRAPHIC MAP) PUBLISHED BY THE
UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL
SURVEY. SAID ELEVATION IS MARKED AS BEING 7340 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. REG. NO. 161719

Robert J. [Signature]
REGISTERED LAND SURVEYOR
REGISTRATION NO. 161719
STATE OF UTAH

LEGEND:

└─┘ = 90° SYMBOL

● = PROPOSED WELL HEAD.

▲ = SECTION CORNERS LOCATED.

(AUTONOMOUS NAD 83)

LATITUDE = 39°22'21.47" (39.372631)

LONGITUDE = 109°17'33.70" (109.292694)

(AUTONOMOUS NAD 27)

LATITUDE = 39°22'21.57" (39.372658)

LONGITUDE = 109°17'31.27" (109.292019)

UINTAH ENGINEERING & LAND SURVEYING

85 SOUTH 200 EAST - VERNAL, UTAH 84078

(435) 789-1017

SCALE 1" = 1000'	DATE SURVEYED: 03-20-06	DATE DRAWN: 03-21-06
PARTY N.H. D.S. C.G.	REFERENCES G.L.O. PLAT	
WEATHER COOL	FILE NATIONAL FUEL CORPORATION	

State of Utah, Division of Oil, Gas, and Mining
Application for Permit to Drill

Company: National Fuel Corporation Well No. Westwater State #22A-32

Location: Sec. 32, T. 16S, R. 24E, Lease No. ML-21613

All operations will be conducted in such a manner that full compliance is made with applicable laws, regulations, the approved plan of operations and the conditions of approval. The operator is fully responsible for the actions of his subcontractors. A copy of these conditions will be furnished to the field representative to ensure compliance.

A. DRILLING PROGRAM

<u>Surface Formation and Estimated Formation Tops:</u>			
<u>Mesaverde</u>	<u>Surface</u>		
<u>Castlegate</u>	<u>2591'</u>		<u>2591'</u>
<u>Mancos</u>	<u>2616'</u>		<u>2616'</u>
<u>Mancos "B"</u>	<u>3409'</u>		<u>3409'</u>
<u>Dakota Silt</u>	<u>6183'</u>		<u>6188'</u>
<u>Dakota</u>	<u>6338'</u>		<u>6343'</u>
<u>Cedar Mtn.</u>	<u>6403'</u>		<u>6408'</u>
<u>Morrison</u>	<u>6436'</u>		<u>6411'</u>
<u>TD</u>	<u>6650'</u>	<u>TVD</u>	<u>6656'</u> <u>MD</u>

1. Estimated Depth at Which Oil, Gas, Water or Other Mineral Bearing Zones are Expected to be Encountered

Formation

Expected Oil Zones: None

Expected Gas Zones: Dakota Silt, Dakota, Cedar Mtn, Morrison,

Expected Water Zones: None

Expected Mineral Zones: None

All fresh water and prospectively valuable minerals encountered during drilling will be recorded by depth and will be cased and cemented. When possible, water flow rates will be measured and samples will be taken and analyzed with the results being submitted to Utah DOGM. All oil and gas shows will be tested to determine commercial potential.

2. Pressure Control Equipment – See attached schematic

3. Casing Program and Auxiliary Equipment – include casing size, weight, grade, thread and coupling, setting depth and condition (new or acceptably reconditioned):
- | | | | |
|------------------|-----|---------------------------|------------------|
| Conductor csg.- | New | 17 1/2" 48# , H-40, ST&C, | 150' to Surface |
| Surface csg.- | New | 9 5/8" 36# , J-55, ST&C, | 1000' to Surface |
| Production csg.- | New | 4 1/2" , 11.6#, N-80,ST&C | 6650' to Surface |

4. Cement – include the cement type, density, yield, additives and amount used in setting each casing string. Also include the anticipated cement fill-up.:
- | | | | |
|--|--|--------------------------|------------------|
| 13 3/8" csg. - | 181sx Regular Class G cement, | 1.15 cu ft/sk, 15.8 ppg, | 150' to surface |
| 9 5/8" csg. - | 389 sx Regular Class G cement, | 1.61 cu ft/sk, 14.2 ppg, | 1300' to surface |
| 4 1/2" csg. - | 1377 sx in 2 stages, 50/50 poz w/0.25 PPS flocele, | 1.26 cu ft/sk, 14.2 ppg | |
| 1 st stage 6656' to 4500', 2 nd stage 4500' to 1000' | | | |

Conductor and surface casing will be cemented back to surface. Centralizers shall be run, at a minimum, on the bottom three joints of each casing string and across any potential gas producing zones. Stage tool depth at 4500'.

5. Mud Program and Circulating Medium – Production hole will be drilled with a DAP mud system. Sufficient mud materials will be stored on location to maintain well control and combat lost circulation problems that might reasonably be expected. Monitoring equipment will be installed on mud tanks to record tank levels, circulating rates and returns. Mud logging will begin at 3000'.
6. Coring, Logging and Testing Program: No DST or core anticipated. Logging program: GR-CNL-FDC & SP-GR-DIL open hole logs will be run from 1000' to 6656'. All good gas and/or oil shows will be tested when perforated through production csg.
Initial opening of drill stem test tools will be restricted to daylight hours.
7. Abnormal Conditions, Bottom Hole Pressures and Potential Hazards – include anticipated bottomhole pressure and/or pressure gradient. Also list anticipated lost circulation zones, abnormal temperature zones and possible hydrogen sulfide bearing zones: No abnormal conditions, pressures, temperatures or hazards are anticipated and are not common in this area. No H2S anticipated and does not exist in other wells in the area. Based on information from other wells in the area, max BHP not expected to exceed 2500#.
8. Any Other Aspects of this Proposal that should be Addressed:
- | | |
|--|-----------------|
| Anticipated time frames for: Construction and Drilling | - 20 to 25 days |
| Completion and Testing | - 10 to 15 days |

B. SURFACE USE PLAN

The dirt contractor will be provided with an approved copy of the surface use plan of operations before initiating construction. Surface disturbance and vehicular travel will be limited to the approved location and access road.

The well pad that has been approved and constructed for the Westwater State #22-32 will be used for drilling operations for the Westwater State #22A-32. No new disturbance will be required. Rig will be hydraulically skidded to the #22A-32 upon the completion of drilling operations for the #22-32.

1. Existing Roads:

- a. See attached maps and plats from ULES.
- b. Location of proposed well in relation to town or other reference point: See attached maps and plats from ULES.
- c. Contact the County Road Department for use of county roads.
- d. Plans for improvement and/or maintenance of existing roads: Existing access road is in good condition.
- e. Other: _____

2. Planned Access Roads:

- a. Location (centerline): See map attached to survey plat.
- b. Length of new access to be constructed: 0.10 miles (already constructed)
- c. Length of existing roads to be upgraded: Existing road is in good condition and adequate for rig traffic.
- d. Maximum total disturbed width: 50 ft
- e. Maximum travel surface width: 18 ft
- f. Maximum grades: Not to exceed 10%.
- g. Turnouts: As needed.
- h. Surface materials: No off-site materials anticipated.
- i. Drainage (crowning, ditching, culverts, etc.): No drainage crossings will be needed for access route. Access road will be crowned and drainage ditches cut as necessary to provide adequate drainage.
- j. Cattleguards: None
- k. Length of new and/or existing roads which lie outside the lease or unit boundary for which a State right-of-way is required: None

Surface disturbance and vehicular travel will be limited to the approved location and access road. Any additional area needed must be approved by the Area Manager in advance.

3. Location of Production Facilities:

a. On-site facilities: Wellhead, meter facilities, separator, dehydrator, production tank and fenced emergency water disposal pit. Details of needed facilities will be submitted if well is completed for production.

b. Off-site facilities: None

c. Pipelines: If gas production is established, a new gathering line will be laid along existing road to existing gathering system to the south east of proposed location. See attached pipeline map. (same as route proposed for the State #22-32)

All permanent (in place for six months or longer) structures constructed or installed (including oil well pump jacks) will be painted a flat, nonreflective color to match the standard environmental colors, as determined by the Rocky Mountain Five-State Interagency Committee. All facilities will be painted within six months on installation.

All site security guidelines identified in 43 CFR § 3162.7-5 and Onshore Oil and Gas Order No. 3 shall be followed.

If a gas meter run is constructed, it will be located on lease within 500 feet of the wellhead. The gas flow line will be buried from the wellhead to the meter and will be buried downstream of the meter until it leaves the pad. Meter runs will be housed and/or fenced. The gas meter shall be calibrated prior to first sales and shall be calibrated quarterly thereafter. 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.

If a tank battery is constructed on this lease, it will be surrounded by a berm of sufficient capacity to contain 1 ½ times the storage capacity of the largest tank. All loading lines and valves will be placed inside the berm surrounding the tank battery. All oil production and measurement shall conform to the provisions of 43 CFR § 3162.7-3 and Onshore Oil and Gas Order No. 4.

Production facilities on location may include a lined or unlined produced water pit.

4. Location and Type of Water Supply:

All water needed for drilling purposes will be obtained from (describe location and/or show on a map): Water for drilling and completion operations will be purchased from Ute Water and taken from a hydrant in Mack, Colorado. This is a municipal water source.

Water obtained on private land, or land administered by another agency, will require approval from the owner or agency for use of the land.

5. Source of Construction Material:

Pad construction material will be obtained from (if the source is Federally owned, show location on a map): Native materials. All on site. (already constructed)

The reserve pit shall be located in cut material with at least 50% of the pit volume being below original ground level. Pit will be lined to prevent leaching of drilling fluids. 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. As soon as the reserve pit has dried, all areas not needed for production will be rehabilitated.

Trash must 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.

Sewage will be contained in approved containers and disposed of at an approved disposal site.

6. Ancillary Facilities: None required. Anticipate up to 5 living trailers for rig personnel during drilling and completion.

7. Well Site Layout – depict the pit, rig, cut and fill, topsoil, etc., on a plat with a scale of at least 1" = 50'. See ULES plat.

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

To minimize the amount of fugitive dust and spray escaping from the blooie pit, the following blooie line deflection method will be employed: Blooie line will be directed into the base of the dirt embankment surrounding the blooie pit.

8. Plans for Restoration of the Surface:

The top 5 inches of topsoil material will be removed from the location and stockpiled separately on: The north end of location. See survey plat.

Immediately upon completion of drilling, all equipment that is not necessary for production shall be removed.

The reserve pit and that portion of the location not needed for production will be reclaimed.

Before any dirt work to restore the location takes place, the reserve pit must be completely dry.

All road surfacing will be removed prior to the rehabilitation of roads.

Reclaimed roads will have the berms and cuts reduced and will be closed to vehicle use.

All disturbed areas will be recontoured to replicate the natural slope.

The stockpiled topsoil will be evenly distributed over the disturbed area.

Prior to reseeding, all disturbed areas, including the access roads, will be scarified and left with a rough surface.

Seed will be broadcast or drilled between Sept 1st and Dec 31st, or at a time specified by the State of Utah. If broadcast, a harrow or some other implement will be dragged over the seeded area to assure seed coverage.

The following seed mixture will be used: As specified by State.

The abandonment marker will be one of the following, as specified by the State:

- 1) at restored ground level, or
- 2) below ground level.

In any case, the marker shall be inscribed with the following: operator name, lease number, well name and surveyed description (township, range, section and either quarter-quarter or footages).

9. Surface and Mineral Ownership: State surface and mineral ownership.

10. Other Information:

a. Archeological Concerns: A cultural and archeological survey has been performed on the new well site and access road to location. Results are attached for review.

The operator is responsible for informing all persons in the area who are associated with this project that they will be subject to prosecution for knowingly disturbing historic or archaeological sites, or for collecting artifacts. If historic or archaeological materials are uncovered during construction, the operator is to immediately stop work that might further disturb such materials, and contact the authorized officer (AO). Within five (5) working days, the AO will inform the operator as to:

- whether the materials appear eligible for the National Register of Historic Places;
- the mitigation measures the operator will likely have to undertake before the site can be used (assuming in situ preservation is not necessary); and
- a time frame for the AO to complete an expedited review under 36 CFR § 800.11 to confirm, through the State Historic Preservation Officer, that the findings of the AO are correct and that mitigation is appropriate.

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

- b. Threatened and Endangered Species Concerns: None

- c. Wildlife Seasonal Restrictions (yes/no): As specified by State of Utah.

- d. Off Location Geophysical Testing: None

- e. Drainage crossings that require additional State or Federal approval: None

11. Lessee's or Operator's Representative and Certification

Representative:

Name: Andrew W. Busch, Fruita Office (970)858-7490, Cell (970) 260-8128

Title: V.P. of Operations

Address: 7979 East Tufts Avenue Parkway #815
Denver, Co. 80237

Phone Number: Denver office (303)220-7772

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 exist; 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 National Fuel Corporation 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 Utah Statewide Blanket Drilling Bond no. 04127314.

Signature

Vice President of Operations
Title

March 24th, 2006
Date

UTAH STATE COVER PAGE

Must Accompany All Project Reports
Submitted to Utah SHPO

Project Name: Class III cultural resources inventory for the proposed State Duncan #14-28, Horse Point State #11-6, and the Westwater State #22-32 well locations, and related new and to-be-upgraded access routes in Uintah and Grand Counties, Utah, for National Fuel Corporation

State Proj. No. U05-GB-0469s

Report Date: 30 May 2005

County(ies): Uintah and Grand

Principal Investigator: Carl E. Conner

Field Supervisor(s): Carl E. Conner

Records search completed at: UDSH

Record search date(s): 05/24/2005

Acreage Surveyed ~ Intensive: 37 acres

Recon/Intuitive: 0 acres

7.5' Series USGS Map Reference(s): Dry Canyon and PR Spring 1970

Sites Reported	Count	Smithsonian Site Numbers
Archaeological Sites Revisits (no inventory form update)	0	
Revisits (updated IMACS site inventory form attached)	0	
New recordings (IMACS site inventory form attached)	0	
Total Count of Archaeological Sites	0	
Historic Structures (USHS 106 site info form attached)	0	
Total National Register Eligible Sites	0	

Checklist of Required Items

- Copy of the Final Report
- Copy of 7.5' Series USGS Map with Surveyed/Excavated Area Clearly Identified.
- Completed IMACS Site Inventory Forms, Including
 - Parts A and B or C, The IMACS Encoding Form,
 - Site Sketch Map, Photographs
 - Copy of the appropriate 7.5' Series USGS Map w/ the Site Location Clearly Marked and Labeled with the Smithsonian Site Number
- Completed "Cover Sheet" Accompanying Final Report and Survey Materials (Please make certain all of your checked items are attached.)

**Class III Cultural Resource Inventory Report
on the
Proposed State Duncan #14-28, Horse Point State #11-6, and the
Westwater State #22-32 Well Locations,
and Related New and To-Be-Upgraded Access Routes on
State Lands in Uintah and Grand Counties, Utah
for
National Fuel Corporation**

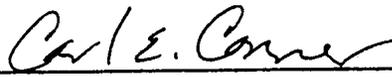
Declaration of Negative Findings

GRI Project No. 2527

30 May 2005

Prepared by

Grand River Institute
P.O. Box 3543
Grand Junction, Colorado 81502
UDSH Project Authorization No. U05-GB-0469s



Carl E. Conner, Principal Investigator

Submitted to

Preservation Office
Utah Division of State History
300 Rio Grande
Salt Lake City, Utah 84101

School and Institutional
Trust Lands Administration
675 East 500 South, Suite 500
Salt Lake City, Utah 84102-2818

Abstract

Grand River Institute conducted a Class III cultural resources inventory for the proposed State Duncan #14-28, Horse Point State #11-6, and the Westwater State #22-32 well locations, and related new and to-be-upgraded access routes in Uintah and Grand Counties, Utah, for National Fuel Corporation under Utah Division of State History (UDSH) Project Authorization No. U05-GB-0469s. This work was done to meet requirements of State law that protect cultural resources. A files search conducted through the Preservation Office UDSH on 24 May 2005 indicated no sites were previously recorded in the study area. Field work was performed on 26 May 2005. A total of about 37 acres of Utah State Lands was inspected. No cultural or paleontological resources were encountered and clearance is recommended.

Table of Contents

Introduction	1
Location of Project Area	1
Environment	1
Files Search	5
Study Objectives	6
Field Methods	7
Study Findings and Management Recommendations	7
References	7

Tables and Figures

Figure 1. Project location map (map 1 of 3)	2
Figure 2. Project location map (map 2 of 3)	3
Figure 3. Project location map (map 3 of 3)	4
Table 1. List of previous cultural resource surveys	5

Introduction

At the request of National Fuel Corporation, a Class III cultural resources inventory for the proposed State Duncan #14-28, Horse Point State #11-6, and the Westwater State #22-32 well locations, and related new and to-be-upgraded access routes in Uintah and Grand Counties, Utah, for National Fuel Corporation under Utah Division of State History (UDSH) Project Authorization No. U05-GB-0469s. A files search conducted through the Preservation Office UDSH on 24 May 2005 indicated no sites were previously recorded in the study area. Field work was performed on 26 May 2005. A total of about 37 acres of Utah State Lands was inspected. Carl E. Conner was Principal Investigator and Field Supervisor. He was assisted by Nicole Darnell and Jim Conner.

The survey was done to meet requirements of State law concerned with the identification, evaluation, and protection of fragile, non-renewable evidences of human activity, occupation and endeavor reflected in districts, sites, structures, artifacts, objects, ruins, works of art, architecture, and natural features that were of importance in human events. Such resources tend to be localized and highly sensitive to disturbance.

Location of Project Area

The study area lies in the Roan Plateau in Uintah and Grand Counties, Utah. The study areas are located in T. 15 S., R. 23 E., Section 28; T. 16 S., R. 24 E., Sections 6 and 32; SLBM (Figure1).

Environment

The project area is within the major geologic subdivision of the Colorado Plateau known as the Uinta Basin Section. In Utah, this section extends from the Uinta Mountains on the north to the Book Cliffs on the south. It is a broad downwarp into which Quaternary- and Tertiary-age deposits were made from the surrounding mountains which include Holocene and Pleistocene pediment deposits, and Eocene-age fluvial and lacustrine sedimentary rocks (Rigby 1976:xi). Physiographically, the basin includes the Uinta basin in the northern portion and the Book Cliffs/Roan Plateau in the south portion. The study area occurs in the latter and the Wasatch Formation forms the bedrock. Rocky, sandy loams formed in residuum cover the bedrock on the ridgetop.

Elevation in the project area averages 7280 to 8100 feet. The terrain is characterized as narrow ridgetops and slopes covered in Transitional Zone oakbrush, sagebrush, serviceberry and grasses, and in areas pinyon/juniper forest. Regional faunal inhabitants include deer, antelope, elk, black bear, coyote, mountain lion, cottontails, jack rabbits, and various raptors.

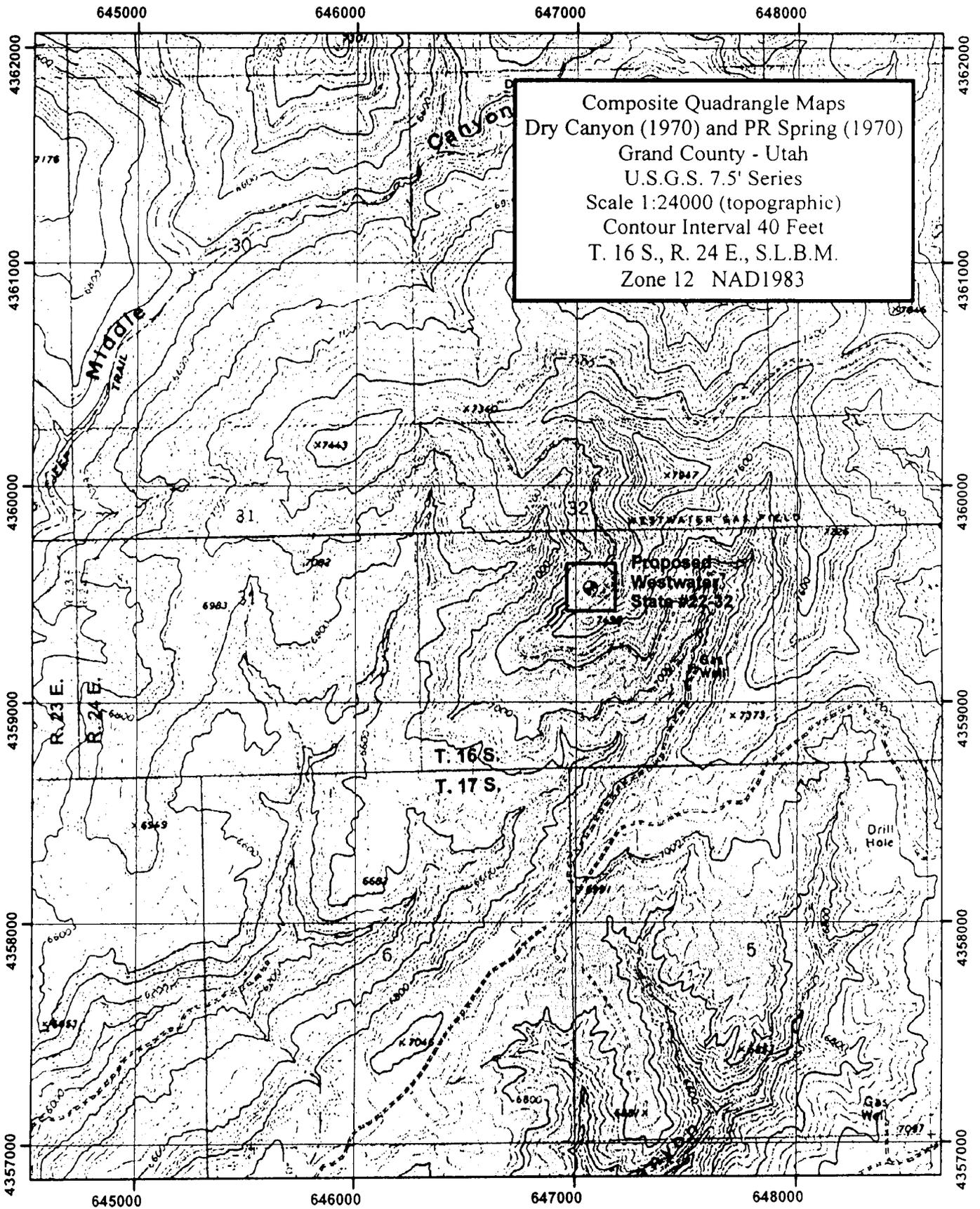


Figure 3. Project location map (3 of 3) for the Class III cultural resources inventory report for three proposed State well locations and related short accesses in Grand and Uintah Counties, Utah for National Fuels Corporation. Area surveyed is highlighted. [GRI Project No. 2527, 5/30/05]

A cool, mid-latitude steppe climate prevails. Annual precipitation of this elevation range is between 14 and 18 inches. Temperatures can reach 95°F in mid-summer and -20°F in January. Paleoenvironmental data are scant, but it is generally agreed that gross climatic conditions have remained fairly constant over the last 12,000 years. However, changes in effective moisture, and cooling-warming trends probably affected the prehistoric occupation of the region.

Files Search

Regional archaeological studies suggest nearly continuous human occupation of northeastern Utah for the past 12,000 years. Evidence of the Paleoindian Tradition, the Archaic Tradition, Fremont Culture, and Protohistoric/Historic Utes has been found. Historic records suggest occupation or use by EuroAmerican trappers, settlers, miners, and ranchers as well. Overviews of the prehistory and history of the region are provided in the Utah BLM Cultural Resource Series No. 5. Sample Inventories of Oil and Gas Fields in Eastern Utah (Nickens and Larralde 1980) and in Cultural Resources Existing Data Inventory Vernal District, Utah (Jones and Mackay 1980).

A files search conducted through the Preservation Office UDSH on 24 May 2005 indicated no sites were previously recorded in the study areas. Twelve energy related projects have been conducted within a mile of the present study areas (Table 1). The only significant cultural resource recorded within a mile of the discrete project areas is a prehistoric rock art site (42UN3145 recorded as part of project U-02-NU-0340b,s) in the bottom Main Canyon, which is well outside of the present project area.

Table 1. List of previous cultural resource surveys within one mile of the study area.

Report Number	Project
U04-GB-0472s,p	Class III cultural resources inventory for the proposed Horse Point State #43-32 well location, a short new pipeline route, and new and to-be-upgraded access routes in Uintah and Grand Counties, Utah (Conner 6/9/04)
U-03-AY-0911s	EOG Resources Inc.; Trail Canyon #2-34: A Cultural Resource Inventory for a well pad, and its access and pipeline, Grand County, Utah (Truesdale, 12/1/2003)
U-03-MQ-0753b	CRI of Trigon-Sheehan's Winter Ridge/Wolf Point Six Mile Pipeline in Grand County, Utah (Nicholson and Montgomery 2003)

U-02-NU-0340b,s	Class III Cultural Resource Inventory on the Western Geco Horse Point 3D Seismic Grid, Uintah and Grand Counties, Utah (Frizell et al., 9/18/2002)
U-01-MQ-0289b,p,s	Cultural Resource Inventory of Well Locations Fence Canyon Delambert #30-2, Fence Canyon #31-2 and Fence Canyon #32-2, Uintah County, Utah (Montgomery, 6/02/2001)
U-01-MQ-0531s	Cultural Resource Inventories of Well Locations Fence Canyon #21-2, #29-2, #32-2 and #33-4, Grand and Uintah Counties, Utah (Montgomery, 8/17/2001)
U-01-MQ-0721b,s	Cultural Resource Inventory of Louis Dreyfus Natural Gas Corporation's Fence Canyon #32-2 Pipeline, Uintah County, Utah (Montgomery, 10/29/2001)
U-85-MM-0431s	PR Springs Tar Sands Exploration Project (24 drill holes) for Mobile Alternative Energy, Inc. in Grand and Uintah Counties, Utah (Metcalf, 6/25/1985)
81-NH-0642b	Three Drill Pads on Seep Ridge for Texas Oil and Gas Corp., in Uintah County, Utah (Nickens, 7/23/1981)
83-NJ-0231	An Archaeological Survey of Three Seismic Lines in the Book Cliffs Section of Utah (Lee 8/8/1983)
81-GA-0419	Archaeological Survey of Northwest Pipeline Corporation's Lateral A-45, R/W #'s 79458, 81775, 81797 in Grand County, Utah (Babcock and Kimsey 1981)
81-GC-0313	Coseka Well #2-31-16-24 and Access (Kranzush 1981)

Study Objectives

The purpose of the study was to identify and record all cultural resources within the area of potential impact and to assess their significance and eligibility to the National Register of Historic Places (NRHP). Paleontological resources were also considered in the inspection. However, a final evaluation of those resources must be provided by a paleontologist permitted by the State of Utah.

Field Methods

Class III, 100% pedestrian, cultural resources surveys of the proposed well locations were made by a two-person crew walking a series of concentric circles around the flagged centers to diameters of 750 feet. The related new and to-be-upgraded access routes (2080 feet) were inspected by walking a series of parallel transects along both sides of the flagged centerline spaced at 10-meter intervals to cover a 150 foot-wide swath. A total of about 37 acres (30 block/7 linear) was intensively surveyed.

Cultural resources were sought as surface exposures and were characterized as sites or isolated finds. Sites were defined by the presence of six or more artifacts and/or significant features indicative of patterned human activity. Isolated finds were defined by the presence of a single artifact or several artifacts, which apparently represent a single event (e.g., a single core reduction, or small historic can cluster), and is surficial in nature. Artifacts were to be pin-flagged to establish site boundaries, sketch maps were to be drawn (using a Garmin GPS V unit), and photographs were to be taken. Cultural resources encountered were to be recorded to standards set by the Preservation Office of the Utah Division of State History. None were found.

Study Findings and Management Recommendations

As expected, no cultural or paleontological resources were encountered during the survey. Accordingly, cultural resource clearance is recommended.

References

- Jones, Kevin T. and K.L. Mackay
1980 Cultural Resources Existing Data Inventory Vernal District, Utah. Report of Investigations 80-18, University of Utah, Salt Lake City.
- Nickens, Paul R. and Signa L. Larralde
1980 Sample Inventories of Oil and Gas Fields in Eastern Utah. Utah BLM Cultural Resource Series No. 5. Bureau of Land Management, Salt Lake City.
- Rigby, J. Keith
1976 Northern Colorado Plateau. Kendall/Hunt Publishing Company. Dubuque.



Weatherford[™]

Drilling Services

Proposal



WESTWATER STATE #22A-32

GRAND COUNTY, UTAH

WELL FILE: PLAN 1

MARCH 22, 2006

Weatherford International, Ltd.
363 North Sam Houston Pkwy E, Suite 600
Houston, Texas 77060 USA
+1.281.260.5600 Main
+1.281.260.2763 Fax
www.weatherford.com

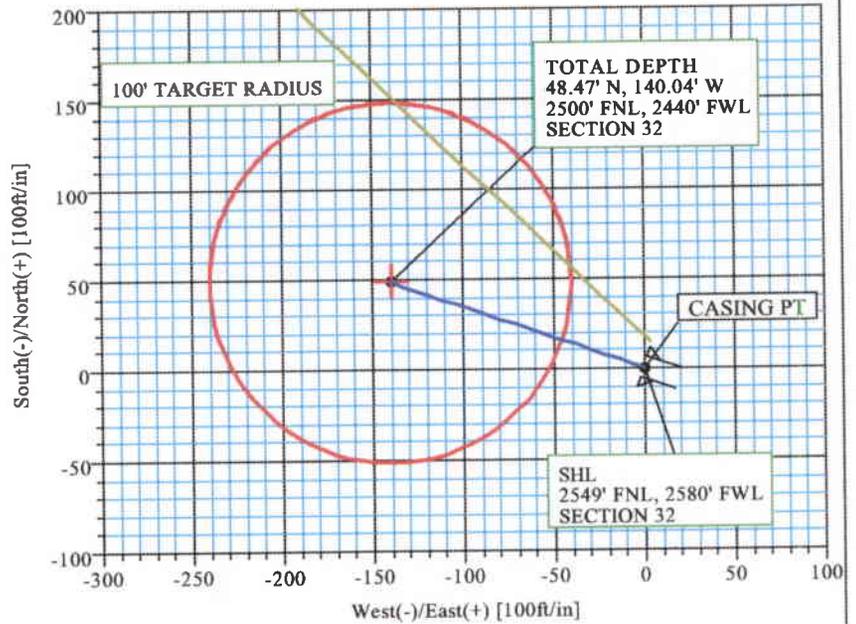
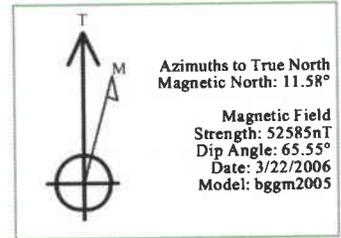
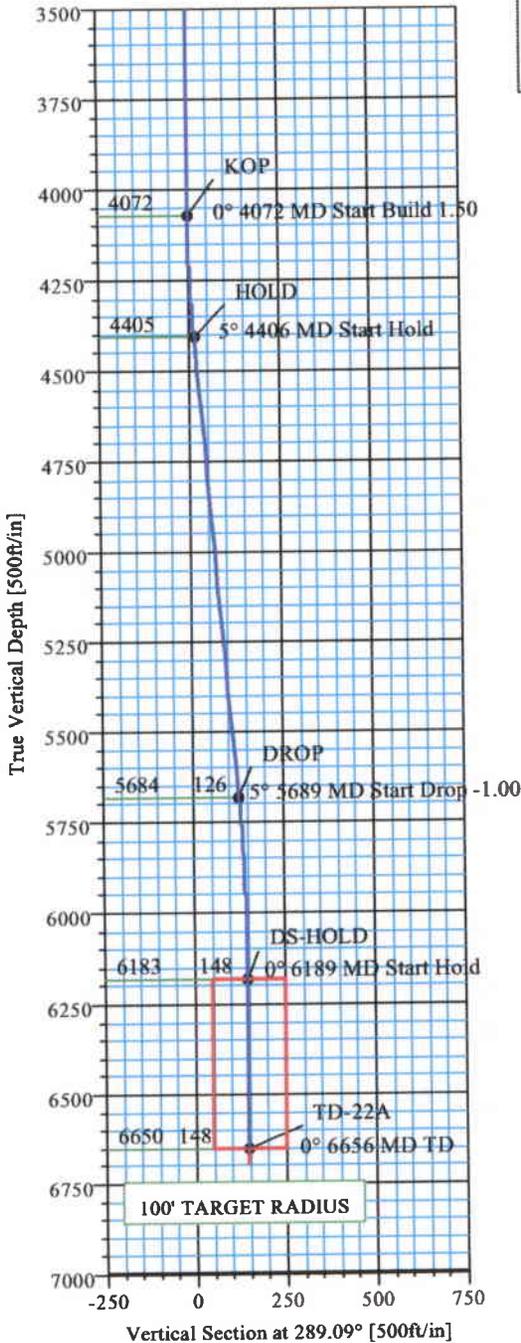


WESTWATER STATE #22A-32
 SEC 32 T16S R24E
 2549' FNL, 2580' FWL
 GRAND COUNTY, UTAH

SECTION DETAILS										
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.00	0.00	289.09	0.00	0.00	0.00	0.00	0.00	0.00	
2	4072.21	0.00	289.09	4072.21	0.00	0.00	0.00	0.00	0.00	KOP
3	4405.54	5.00	289.09	4405.12	4.75	-13.74	1.50	289.09	14.54	HOLD
4	5688.94	5.00	289.09	5683.63	41.34	-119.44	0.00	0.00	126.39	DROP
5	6188.94	0.00	289.09	6183.00	48.47	-140.04	1.00	180.00	148.19	DS-HOLD
6	6655.94	0.00	289.09	6650.00	48.47	-140.04	0.00	289.09	148.19	TD-22A

WELL DETAILS							
Name	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
#22A-32	0.00	0.00	6948375.80	2264508.64	39°22'25.852N	109°17'31.443W	N/A

WELLPATH DETAILS				SITE DETAILS	
1					
Rig:	SITE 7340.00ft				
Ref. Datum:	SITE 7340.00ft				
V. Section Angle	Origin +N/-S	Origin +E/-W	Starting From TVD		
289.09°	0.00	0.00	0.00		
			WESTWATER STATE #22A-32		
			Site Centre Northing: 6948375.80		
			Easting: 2264508.64		
			Ground Level: 7325.00		
			Positional Uncertainty: 0.00		
			Convergence: 1.41		



Weatherford®

Plan: Plan #1 (#22A-32/1)
 Created By: L WINCHELL Date: 3/22/2006

WEATHERFORD DRILLING SERVICES

PROPOSAL PLAN REPORT

Company: NATIONAL FUEL CORPORATION	Date: 3/22/2006	Time: 10:59:15	Page: 2
Field: GRAND COUNTY, UTAH	Co-ordinate(NE) Reference:	Site: WESTWATER STATE #22A-32, True North	
Site: WESTWATER STATE #22A-32	Vertical (TVD) Reference:	SITE 7340.0	
Well: #22A-32	Section (VS) Reference:	Well (0.00N,0.00E,289.09Azi)	
Wellpath: 1	Survey Calculation Method:	Minimum Curvature	Db: Sybase

Survey

MD ft	Incl deg	Azim deg	TVD ft	N/S ft	E/W ft	VS ft	Build deg/100ft	Turn deg/100ft	DLS deg/100ft	Comment
2500.00	0.00	289.09	2500.00	0.00	0.00	0.00	0.00	0.00	0.00	
2591.00	0.00	289.09	2591.00	0.00	0.00	0.00	0.00	0.00	0.00	CASTLEGATE
2600.00	0.00	289.09	2600.00	0.00	0.00	0.00	0.00	0.00	0.00	
2616.00	0.00	289.09	2616.00	0.00	0.00	0.00	0.00	0.00	0.00	MANCOS
2700.00	0.00	289.09	2700.00	0.00	0.00	0.00	0.00	0.00	0.00	
2800.00	0.00	289.09	2800.00	0.00	0.00	0.00	0.00	0.00	0.00	
2900.00	0.00	289.09	2900.00	0.00	0.00	0.00	0.00	0.00	0.00	
3000.00	0.00	289.09	3000.00	0.00	0.00	0.00	0.00	0.00	0.00	
3100.00	0.00	289.09	3100.00	0.00	0.00	0.00	0.00	0.00	0.00	
3200.00	0.00	289.09	3200.00	0.00	0.00	0.00	0.00	0.00	0.00	
3300.00	0.00	289.09	3300.00	0.00	0.00	0.00	0.00	0.00	0.00	
3400.00	0.00	289.09	3400.00	0.00	0.00	0.00	0.00	0.00	0.00	
3409.00	0.00	289.09	3409.00	0.00	0.00	0.00	0.00	0.00	0.00	MANCOS "B"
3500.00	0.00	289.09	3500.00	0.00	0.00	0.00	0.00	0.00	0.00	
3600.00	0.00	289.09	3600.00	0.00	0.00	0.00	0.00	0.00	0.00	
3700.00	0.00	289.09	3700.00	0.00	0.00	0.00	0.00	0.00	0.00	
3800.00	0.00	289.09	3800.00	0.00	0.00	0.00	0.00	0.00	0.00	
3900.00	0.00	289.09	3900.00	0.00	0.00	0.00	0.00	0.00	0.00	
4000.00	0.00	289.09	4000.00	0.00	0.00	0.00	0.00	0.00	0.00	
4072.21	0.00	289.09	4072.21	0.00	0.00	0.00	0.00	0.00	0.00	KOP
4100.00	0.42	289.09	4100.00	0.03	-0.10	0.10	1.50	0.00	1.50	
4200.00	1.92	289.09	4199.98	0.70	-2.02	2.14	1.50	0.00	1.50	
4300.00	3.42	289.09	4299.87	2.22	-6.42	6.79	1.50	0.00	1.50	
4400.00	4.92	289.09	4399.60	4.60	-13.28	14.06	1.50	0.00	1.50	
4405.54	5.00	289.09	4405.12	4.75	-13.74	14.54	1.50	0.00	1.50	HOLD
4500.00	5.00	289.09	4499.22	7.45	-21.52	22.77	0.00	0.00	0.00	
4600.00	5.00	289.09	4598.84	10.30	-29.75	31.48	0.00	0.00	0.00	
4700.00	5.00	289.09	4698.46	13.15	-37.99	40.20	0.00	0.00	0.00	
4800.00	5.00	289.09	4798.08	16.00	-46.22	48.91	0.00	0.00	0.00	
4900.00	5.00	289.09	4897.70	18.85	-54.46	57.63	0.00	0.00	0.00	
5000.00	5.00	289.09	4997.31	21.70	-62.70	66.35	0.00	0.00	0.00	
5100.00	5.00	289.09	5096.93	24.55	-70.93	75.06	0.00	0.00	0.00	
5200.00	5.00	289.09	5196.55	27.40	-79.17	83.78	0.00	0.00	0.00	
5300.00	5.00	289.09	5296.17	30.25	-87.40	92.49	0.00	0.00	0.00	
5400.00	5.00	289.09	5395.79	33.10	-95.64	101.21	0.00	0.00	0.00	
5500.00	5.00	289.09	5495.41	35.95	-103.88	109.92	0.00	0.00	0.00	
5600.00	5.00	289.09	5595.03	38.80	-112.11	118.64	0.00	0.00	0.00	
5688.94	5.00	289.09	5683.63	41.34	-119.44	126.39	0.00	0.00	0.00	DROP
5700.00	4.89	289.09	5694.65	41.65	-120.34	127.34	-1.00	0.00	1.00	
5800.00	3.89	289.09	5794.36	44.15	-127.57	135.00	-1.00	0.00	1.00	
5900.00	2.89	289.09	5894.18	46.09	-133.16	140.91	-1.00	0.00	1.00	
6000.00	1.89	289.09	5994.09	47.45	-137.10	145.08	-1.00	0.00	1.00	
6100.00	0.89	289.09	6094.06	48.25	-139.39	147.50	-1.00	0.00	1.00	
6188.94	0.00	289.09	6183.00	48.47	-140.04	148.19	-1.00	0.00	1.00	DAKOTA SILT
6200.00	0.00	289.09	6194.06	48.47	-140.04	148.19	0.00	0.00	0.00	
6300.00	0.00	289.09	6294.06	48.47	-140.04	148.19	0.00	0.00	0.00	
6343.94	0.00	289.09	6338.00	48.47	-140.04	148.19	0.00	0.00	0.00	DAKOTA SAND
6400.00	0.00	289.09	6394.06	48.47	-140.04	148.19	0.00	0.00	0.00	
6408.94	0.00	289.09	6403.00	48.47	-140.04	148.19	0.00	0.00	0.00	CEDAR MTN
6441.94	0.00	289.09	6436.00	48.47	-140.04	148.19	0.00	0.00	0.00	MORRISON
6500.00	0.00	289.09	6494.06	48.47	-140.04	148.19	0.00	0.00	0.00	
6600.00	0.00	289.09	6594.06	48.47	-140.04	148.19	0.00	0.00	0.00	
6655.94	0.00	289.09	6650.00	48.47	-140.04	148.19	0.00	0.00	0.00	TD-22A

WEATHERFORD DRILLING SERVICES

PROPOSAL PLAN REPORT

Company: NATIONAL FUEL CORPORATION Field: GRAND COUNTY, UTAH Site: WESTWATER STATE #22A-32 Well: #22A-32 Wellpath: 1	Date: 3/22/2006 Co-ordinate(NE) Reference: Vertical (TVD) Reference: Section (VS) Reference: Survey Calculation Method:	Time: 10:59:15 Site: WESTWATER STATE #22A-32, True North SITE: 7340.0 Well (0.00N,0.00E,289.09Azi) Minimum Curvature	Page: 3 Db: Sybase
---	--	---	-------------------------------------

Survey

MD ft	Incl deg	Azim deg	TVD ft	N/S ft	E/W ft	VS ft	Build deg/100ft	Turn deg/100ft	DLS deg/100ft	Comment

Annotation

MD ft	TVD ft	
4072.21	4072.21	KOP
4405.54	4405.12	HOLD
5688.94	5683.63	DROP
6188.94	6183.00	DS-HOLD
6655.94	6650.00	TD-22A

Formations

MD ft	TVD ft	Formations	Lithology	Dip Angle deg	Dip Direction deg
2591.00	2591.00	CASTLEGATE		0.00	0.00
2616.00	2616.00	MANCOS		0.00	0.00
3409.00	3409.00	MANCOS "B"		0.00	0.00
6188.94	6183.00	DAKOTA SILT		0.00	0.00
6343.94	6338.00	DAKOTA SAND		0.00	0.00
6408.94	6403.00	CEDAR MTN		0.00	0.00
6441.94	6436.00	MORRISON		0.00	0.00

NATIONAL FUEL CORPORATION
WESTWATER STATE #22A-32
 LOCATED IN GRAND COUNTY, UTAH
 SECTION 32, T16S, R24E, S.L.B.&M.



PHOTO: VIEW FROM CORNER #7 TO LOCATION STAKE

CAMERA ANGLE: NORTHEASTERLY



PHOTO: VIEW OF EXISTING ACCESS

CAMERA ANGLE: NORTHEASTERLY



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

LOCATION PHOTOS

03 24 06
 MONTH DAY YEAR

PHOTO

TAKEN BY: N.H.

DRAWN BY: C.P.

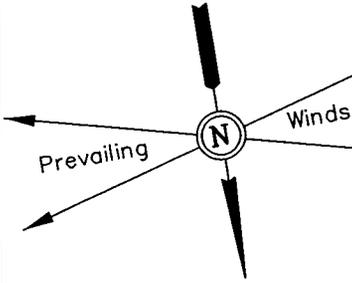
REVISED: 00-00-00

- Since 1964 -

NATIONAL FUEL CORPORATION

LOCATION LAYOUT FOR

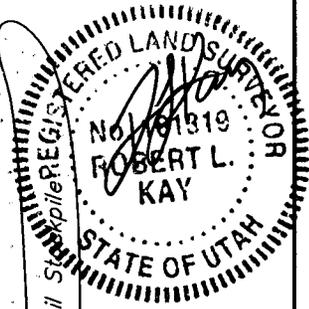
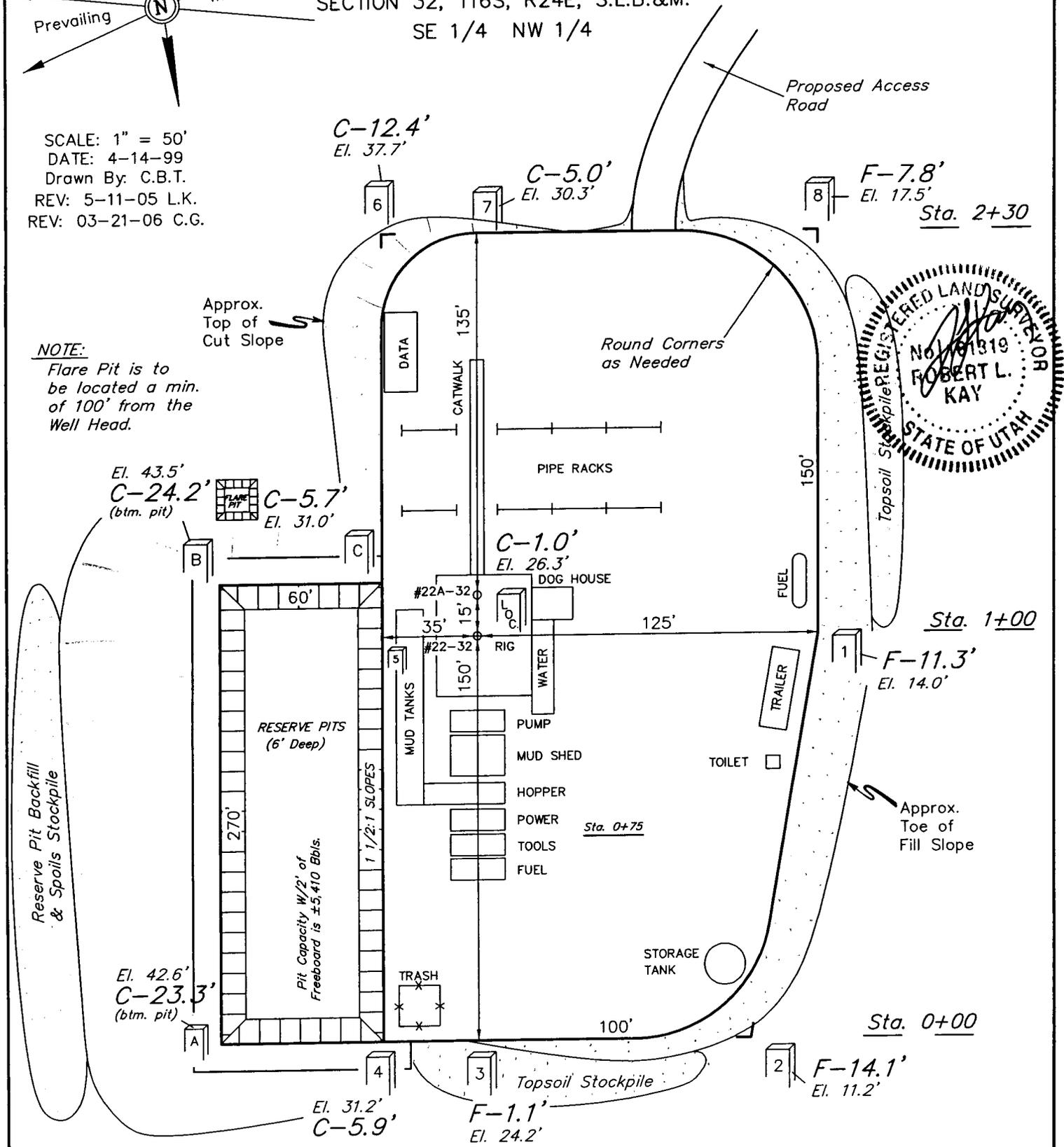
WESTWATER STATE #22-32 & #22A-32
SECTION 32, T16S, R24E, S.L.B.&M.
SE 1/4 NW 1/4



SCALE: 1" = 50'
DATE: 4-14-99
Drawn By: C.B.T.
REV: 5-11-05 L.K.
REV: 03-21-06 C.G.

NOTE:

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



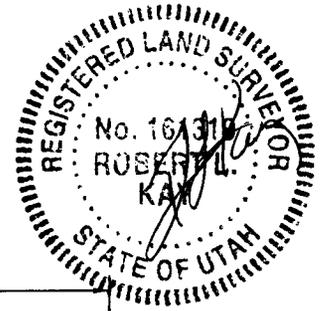
Elev. Ungraded Ground at Location Stake = 7326.3
Elev. Graded Ground at Location Stake = 7325.3

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

NATIONAL FUEL CORPORATION

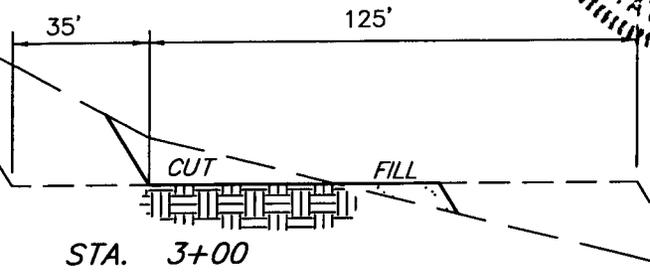
TYPICAL CROSS SECTIONS FOR

WESTWATER STATE #22-32 & #22A-32
SECTION 32, T16S, R24E, S.L.B.&M.
SE 1/4 NW 1/4

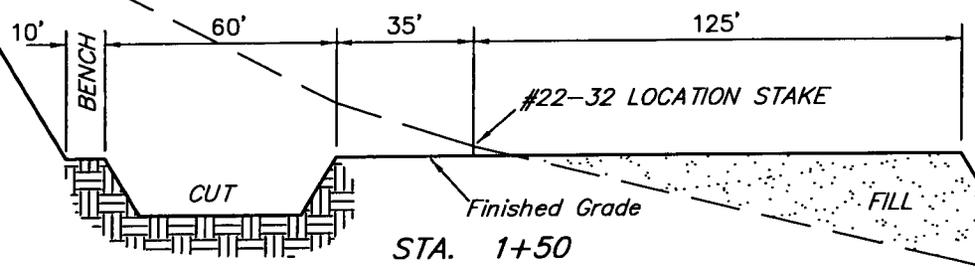


1" = 20'
X-Section Scale
1" = 50'

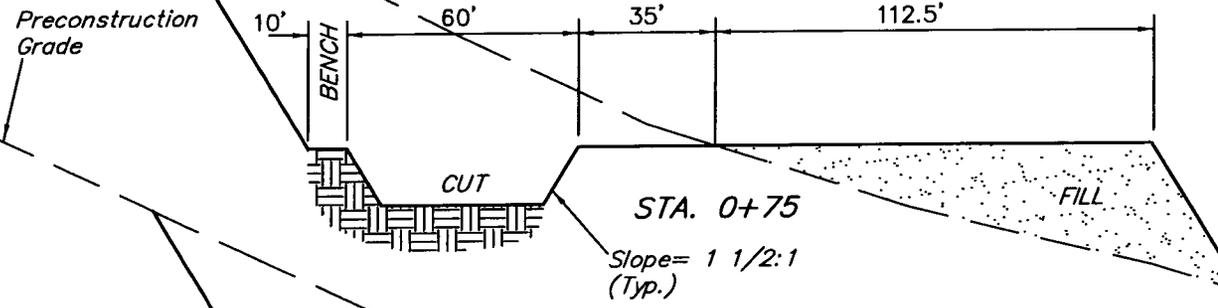
DATE: 4-14-99
Drawn By: C.B.T.
REV: 5-11-05 L.K.
REV: 03-21-06 C.G.



STA. 3+00

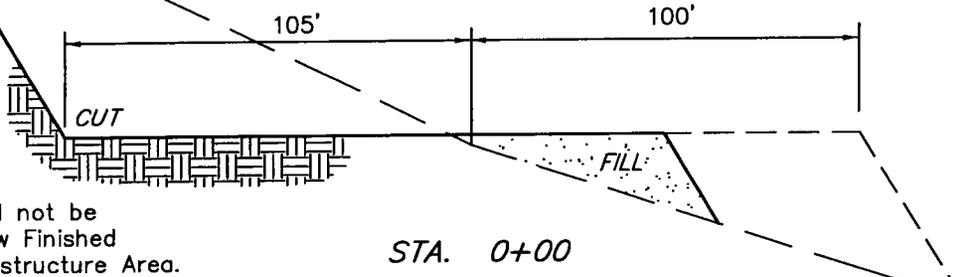


STA. 1+50



STA. 0+75

Slope = 1 1/2:1 (Typ.)



STA. 0+00

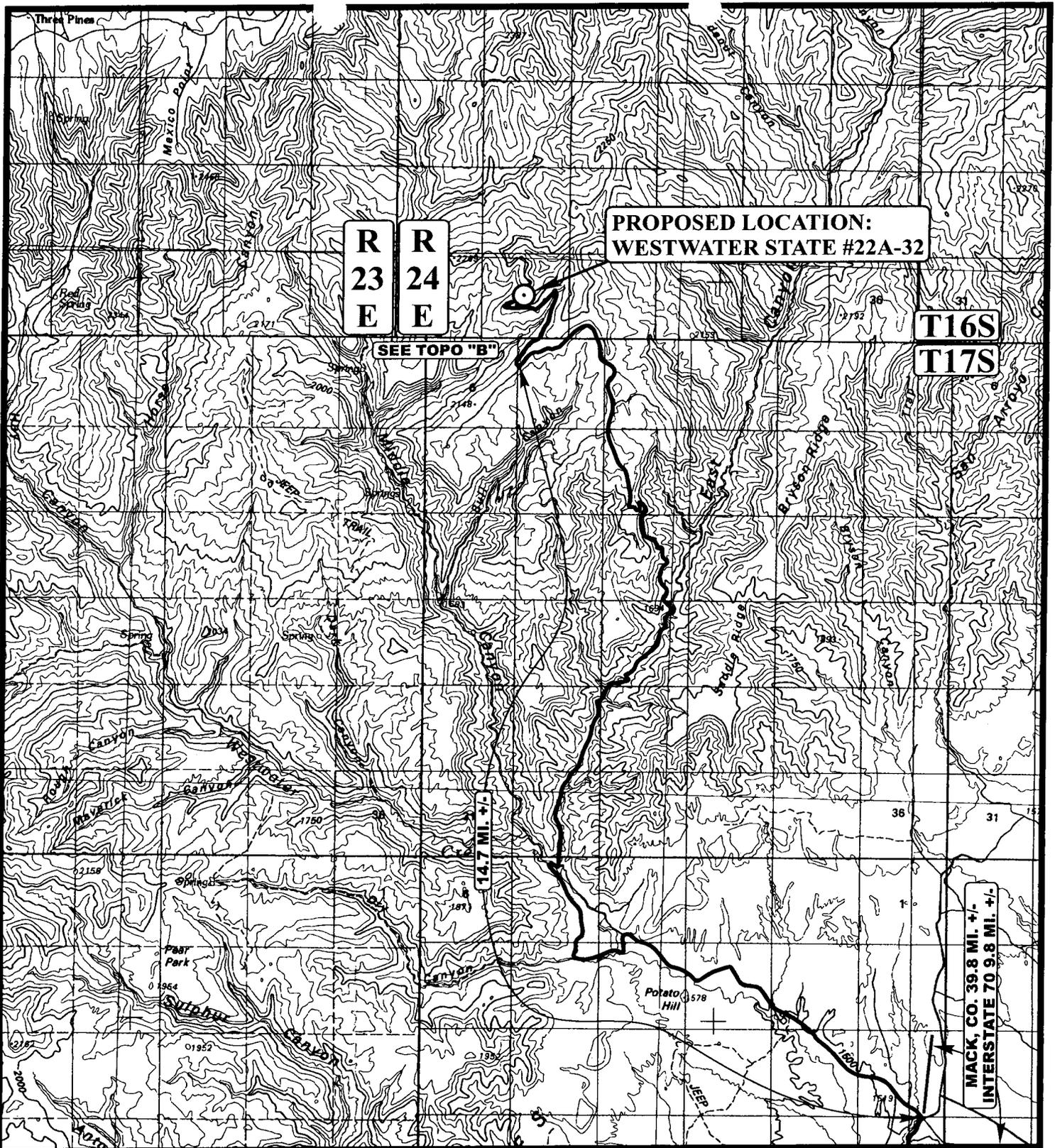
NOTE:
Topsoil should not be Stripped Below Finished Grade on Substructure Area.

APPROXIMATE YARDAGES

(6") Topsoil Stripping	= 1,040 Cu. Yds.
Remaining Location	= 12,350 Cu. Yds.
TOTAL CUT	= 13,390 CU.YDS.
FILL	= 8,720 CU.YDS.

EXCESS MATERIAL AFTER 5% COMPACTION	= 4,210 Cu. Yds.
Topsoil & Pit Backfill (1/2 Pit Vol.)	= 1,960 Cu. Yds.
EXCESS UNBALANCE (After Rehabilitation)	= 2,250 Cu. Yds.

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



**PROPOSED LOCATION:
WESTWATER STATE #22A-32**

**R 23 E
R 24 E**

**T16S
T17S**

SEE TOPO "B"

14.7 MI. +/-

MACK, CO. 39.8 MI. +/-
INTERSTATE 9.8 MI. +/-

LEGEND:

⊙ PROPOSED LOCATION

NATIONAL FUEL CORPORATION

**WESTWATER STATE #22A-32
SECTION 32, T16S, R24E, S.L.B.&M.
2549' FNL 2580' FWL**



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

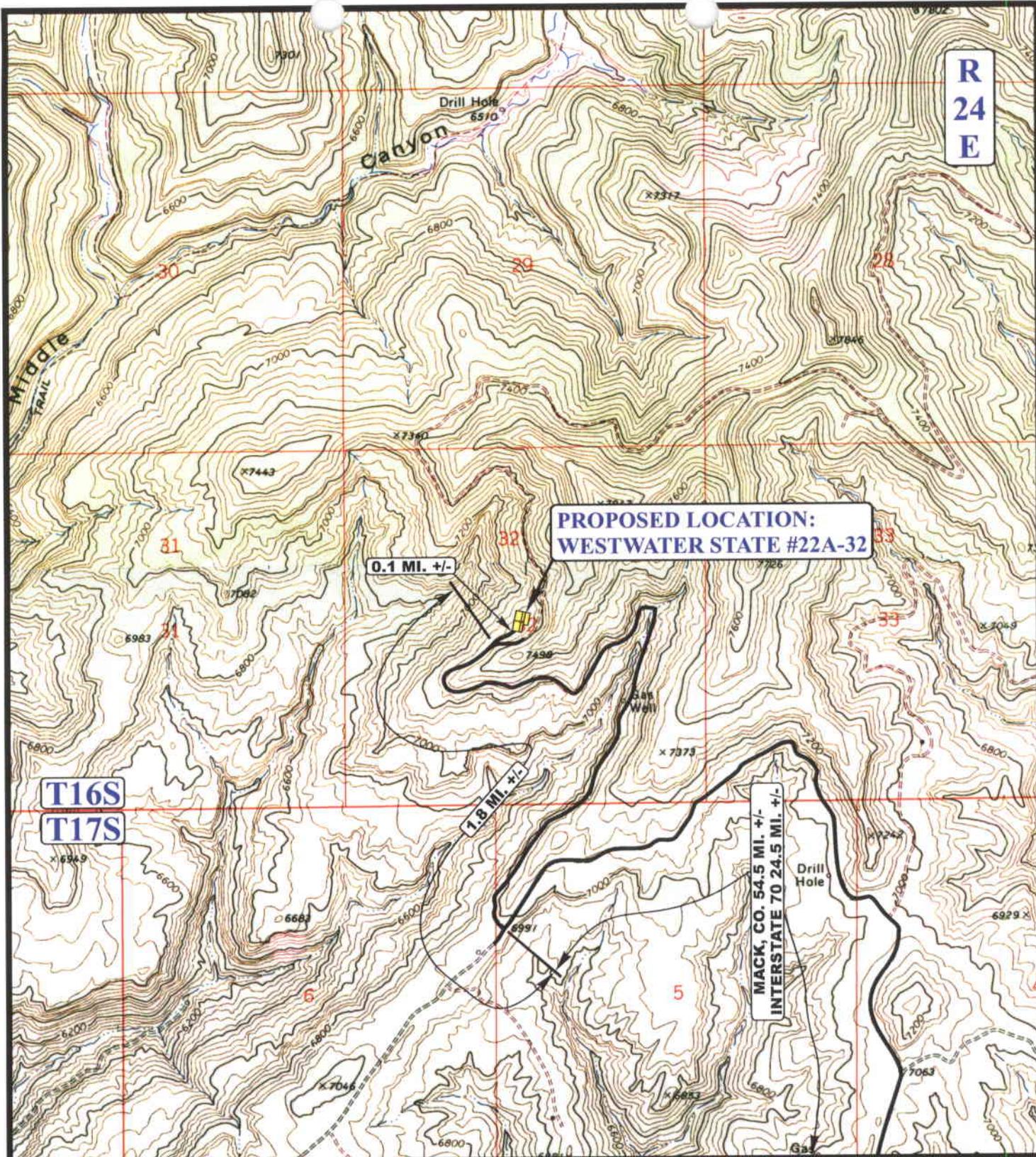


**TOPOGRAPHIC
MAP**

03 24 06
MONTH DAY YEAR

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





LEGEND:

————— EXISTING ROAD



NATIONAL FUEL CORPORATION

**WESTWATER STATE #22A-32
SECTION 32, T16S, R24E, S.L.B.&M.
2549' FNL 2580' FWL**



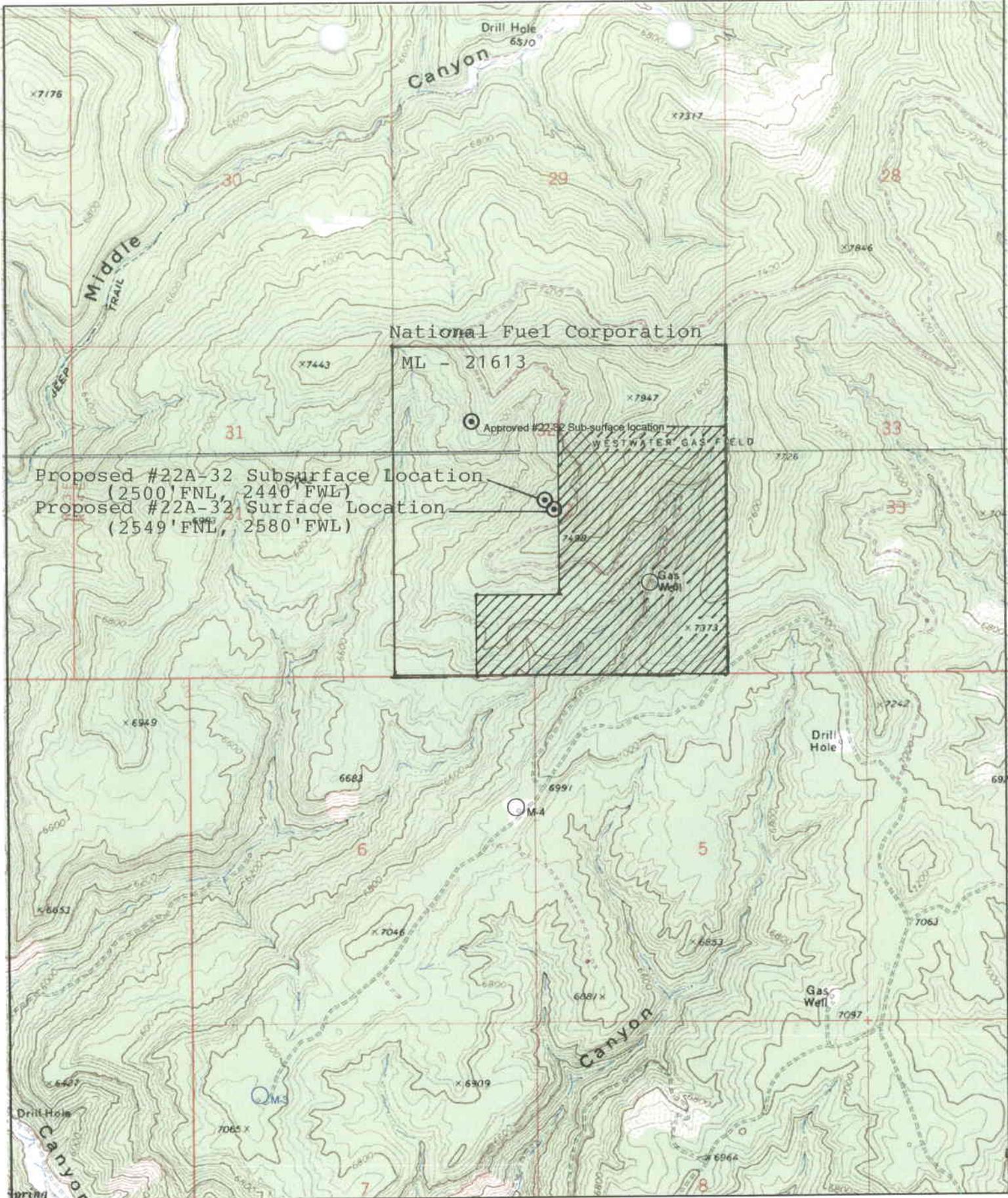
Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
(435) 789-1017 * FAX (435) 789-1813

TOPOGRAPHIC MAP

03 24 06
MONTH DAY YEAR

SCALE: 1" = 2000' DRAWN BY: C.P. REVISED: 00-00-00



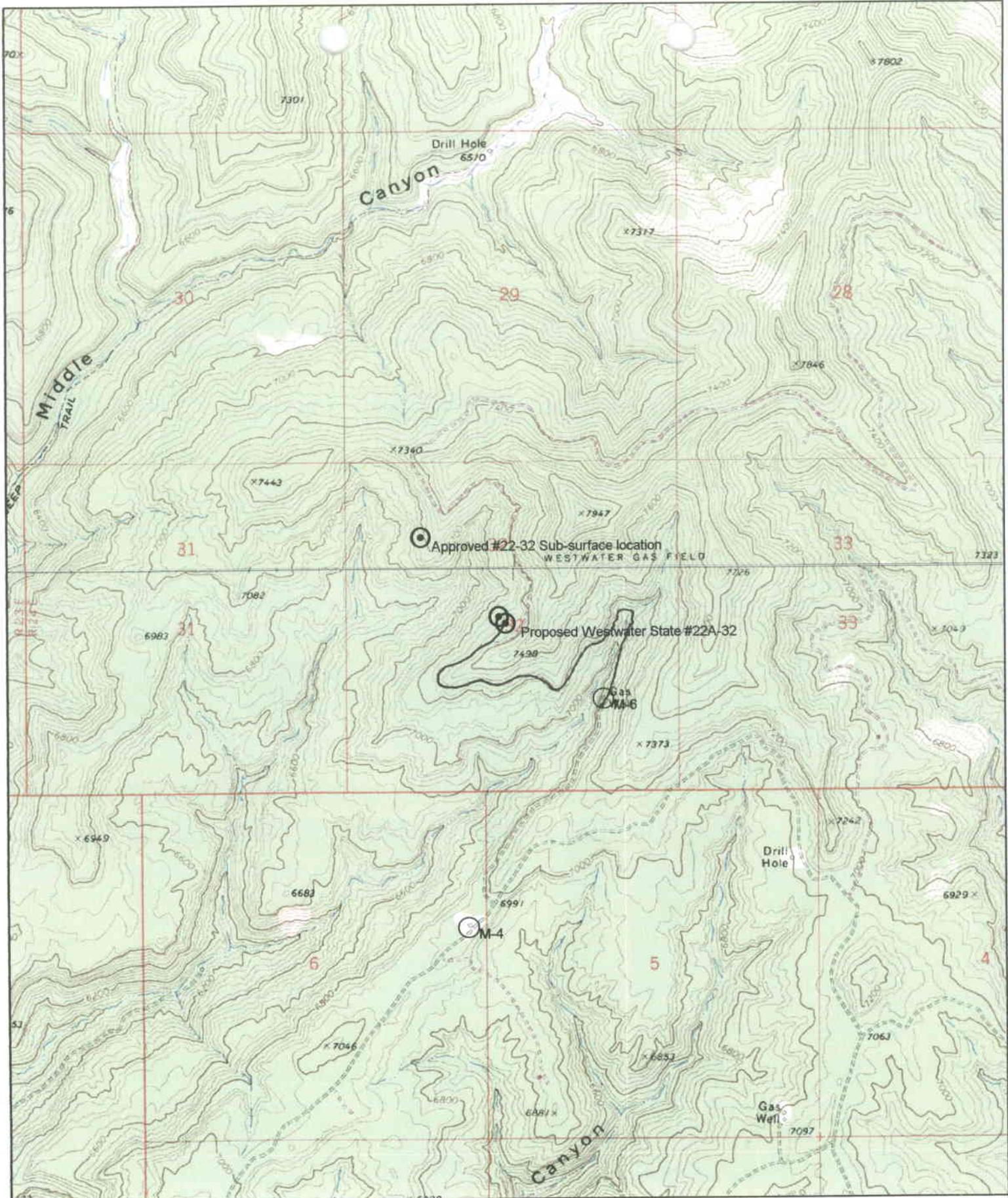


Name: DRY CANYON
 Date: 3/22/2006
 Scale: 1 inch equals 2000 feet

Location: 039° 22' 06.5" N 109° 17' 41.6" W
 Caption: Westwater State #22A-32 Proposed Surface and Subsurface locations

Horse Point Unit Participating Area "B"





Name: DRY CANYON
 Date: 3/23/2006
 Scale: 1 inch equals 2000 feet

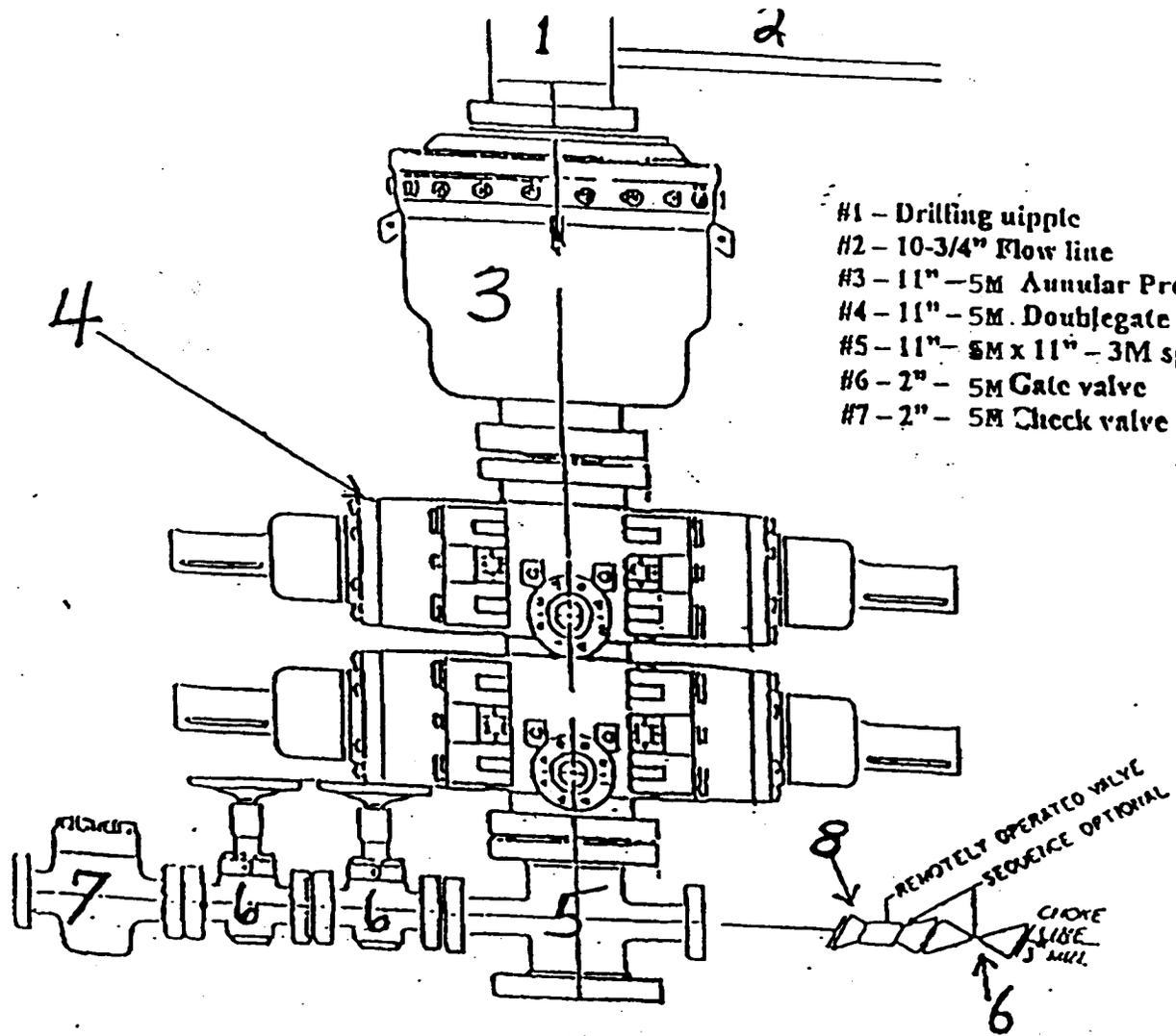
Location: 039° 22' 24.6" N 109° 17' 31.8" W
 Caption: Proposed Pipeline Route

The Operator's Minimum Specifications for Pressure Control

EXHIBIT are schematic diagrams of the blowout preventer equipment. A 5000# blowout preventer will be installed, used, maintained and tested in accordance with all requirements specified in Section III.A-1 of Onshore Order 2, except where variations are presented in this application.

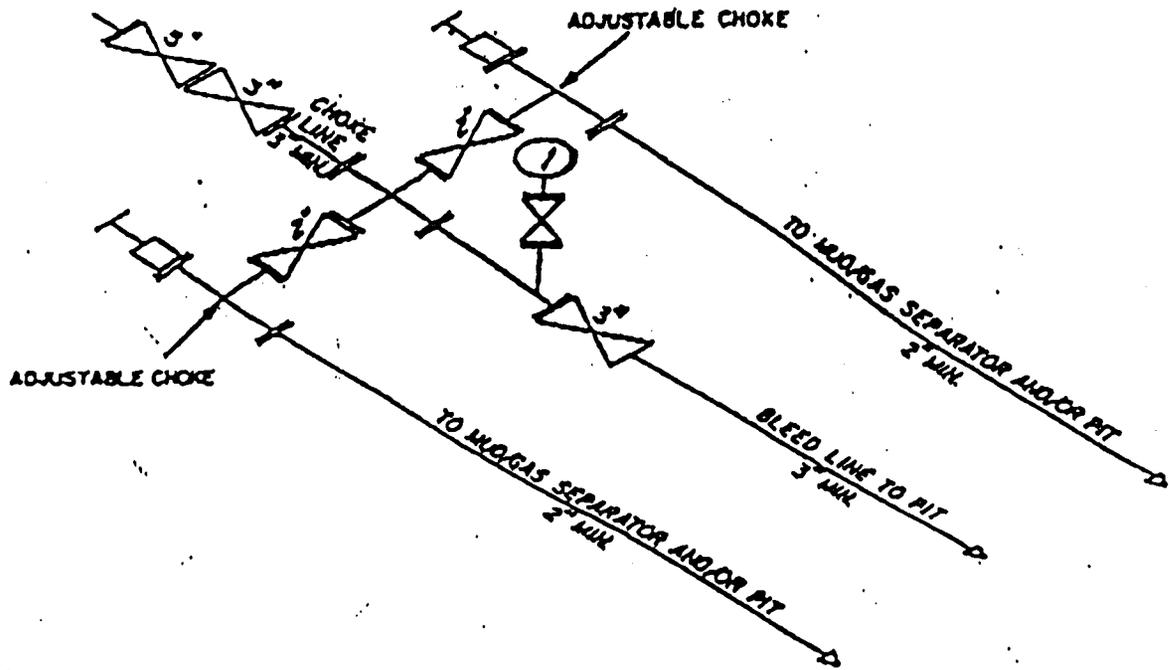
Minimum standards outlined in Onshore Order 2 will be met for BOP, choke, manifold, accumulator, and locking devices. Hydraulic controls will be located on the rig floor. Manual controls will be handwheels. Remote control for the accumulator will be 100'-200' from the drill hole. The kill line will not be used as a fill-up line.

Ram type preventers and associated equipment (choke manifold, kelly cocks, etc.) shall be pressure tested to 100% of their rated working pressure for a period of 10 minutes. Annular preventers shall be tested to 50% of their rated working pressure for a period of 10 minutes. Tests will be run after initial installation, prior to drilling out of each casing shoe and after use under pressure, or a minimum of once every 30 days. Pipe rams will be operationally checked each 24 hour period, as will blind rams and annular preventer each time pipe is pulled out of the hole. Annular preventers will be functionally operated at least weekly. Such checks of BOPE will be noted on daily drilling reports.



- #1 - Drilling nipple
- #2 - 10-3/4" Flow line
- #3 - 11" - 5M Annular Preventer
- #4 - 11" - 5M Doublegate with pipe rams and CSO rams
- #5 - 11" - 5M x 11" - 3M spool with 2-3" - 3M flange outlets
- #6 - 2" - 5M Gate valve
- #7 - 2" - 5M Check valve

11" - 5M Doublegate with Annular Preventer



② 5M CHOKE MANIFOLD EQUIPMENT — CONFIGURATION OF CHOKES MAY VARY

**WORKSHEET
APPLICATION FOR PERMIT TO DRILL**

APD RECEIVED: 05/02/2006

API NO. ASSIGNED: 43-019-31473

WELL NAME: NFC WESTWATER ST 22A-32
 OPERATOR: NATIONAL FUEL (N8060)
 CONTACT: ANDREW BUSCH

PHONE NUMBER: 303-220-7772

PROPOSED LOCATION:

SENV 32 160S 240E
 SURFACE: 2549 FNL 2580 FWL
 BOTTOM: 2500 FNL 2440 FWL
 COUNTY: GRAND
 LATITUDE: 39.37265 LONGITUDE: -109.2920
 UTM SURF EASTINGS: 647127 NORTHINGS: 4359314
 FIELD NAME: UNDESIGNATED (2)

INSPECT LOCATN BY: / /		
Tech Review	Initials	Date
Engineering	Dues	5/30/06
Geology		
Surface		

LEASE TYPE: 3 - State
 LEASE NUMBER: ML-21613
 SURFACE OWNER: 3 - State

PROPOSED FORMATION: MRSN
 COALBED METHANE WELL? NO

RECEIVED AND/OR REVIEWED:

- Plat
- Bond: Fed[] Ind[] Sta[] Fee[]
(No. LPM8756586)
- N Potash (Y/N)
- N Oil Shale 190-5 (B) or 190-3 or 190-13
- Water Permit
(No. MUNICIPAL)
- N RDCC Review (Y/N)
(Date: _____)
- N/A Fee Surf Agreement (Y/N)
- N/A Intent to Commingle (Y/N)

LOCATION AND SITING:

- R649-2-3.
Unit: _____
- R649-3-2. General
Siting: 460 From Qtr/Qtr & 920' Between Wells
- R649-3-3. Exception
- Drilling Unit
Board Cause No: 1165-8
Eff Date: 11-19-1981
Siting: 1000' fr #649-3-3, 2500' fr other wells.
- R649-3-11. Directional Drill

COMMENTS: DRILLED ON SAME PAD AS NFC WESTWATER ST 22-32. NO
ONSITE NEEDED. NO NEW STIPULATIONS.

STIPULATIONS: _____

MIDDLE
CANYON
FIELD

FEDERAL 29-15
HORSE POINT UNIT M-9

BRYSON
CANYON
FIELD

T16S R24E

CAUSE: 165-8 / 11-19-1981

BHL
22-32

BHL
22A-32
NFC WESTWATER ST 22A-32
32 NFC WESTWATER ST 22-32

HORSE POINT UNIT

WESTWATER FIELD

HORSE POINT U M-6

T17S R24E

OPERATOR: NATIONAL FUEL CORP (N8060)

SEC: 32 T. 16S R. 24E

FIELD: UNDESIGNATED (002)

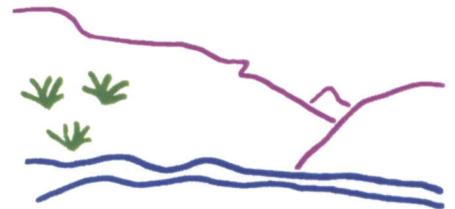
COUNTY: GRAND

CAUSE: 165-8 / 11-19-1981

Field Status
 ABANDONED
 ACTIVE
 COMBINED
 INACTIVE
 PROPOSED
 STORAGE
 TERMINATED

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

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



Utah Oil Gas and Mining



PREPARED BY: DIANA WHITNEY
 DATE: 19-MAY-2006

05-06 Westwater St 22A-52

Casing Schematic

Surface

9-5/8"
MW 8.4
Frac 19.3

TOC @
1006.
Surface
1000. MD
1000. TVD

✓ w/ 10% cement

BHP
 $(6.082)(8.6)(6649) = 2773$

Anticipate 2500

2616 lb/m

G_u
 $(6.0)(6649) = 798$
 (circled) $1145.1 = 2175$

✓ w/ 10% cement

Boil 5,000 ✓

S_u/C_u - 3520
 70% = 2464

Max pressure @ Surf Csg shoe (circled) 1731

6328 lb/m

Test to 1731 ✓

✓ Adequate DD
 5/30/09
 4-1/2" MW 8.6

Production
6655. MD
6649. TVD

Well name:	05-06 Westwater St 22A-32	
Operator:	National Fuel Corporation	
String type:	Surface	Project ID: 43-019-31473
Location:	Grand Co.	

Design parameters:

Collapse

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

Burst

Max anticipated surface pressure: 0 psi
Internal gradient: 0.447 psi/ft
Calculated BHP: 447 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: 876 ft

Environment:

H2S considered? No
Surface temperature: 65 °F
Bottom hole temperature: 79 °F
Temperature gradient: 1.40 °F/100ft
Minimum section length: 185 ft

Cement top: Surface

Non-directional string.

Re subsequent strings:

Next setting depth: 6,649 ft
Next mud weight: 8.600 ppg
Next setting BHP: 2,970 psi
Fracture mud wt: 19.250 ppg
Fracture depth: 1,000 ft
Injection pressure 1,000 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 (ft ³)
1	1000	9.625	36.00	J-55	ST&C	1000	1000	8.796	71.2
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	436	2020	4.630	447	3520	7.88	36	394	10.95 J

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

Date: May 24, 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 1000 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:	05-06 Westwater St 22A-32	
Operator:	National Fuel Corporation	
String type:	Production	Project ID: 43-019-31473
Location:	Grand Co.	

Design parameters:

Collapse

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

Burst

Max anticipated surface pressure: 0 psi
Internal gradient: 0.447 psi/ft
Calculated BHP: 2,970 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: 5,800 ft

Environment:

H2S considered? No
Surface temperature: 65 °F
Bottom hole temperature: 158 °F
Temperature gradient: 1.40 °F/100ft
Minimum section length: 368 ft

Cement top: 1,006 ft

Directional well information:

Kick-off point: 500 ft
Departure at shoe: 148 ft
Maximum dogleg: 1.5 °/100ft
Inclination at shoe: 0 °

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Internal Capacity (ft ³)
1	6655	4.5	11.60	N-80	LT&C	6649	6655	3.875	154.3
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	2970	6350	2.138	2970	7780	2.62	77	223	2.89 J

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

Date: May 24, 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 6649 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.
Collapse strength is (biaxially) derated for doglegs in directional wells by multiplying the tensile stress by the cross section area to calculate a

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



State of Utah

**Department of
Natural Resources**

MICHAEL R. STYLER
Executive Director

**Division of
Oil, Gas & Mining**

JOHN R. BAZA
Division Director

JON M. HUNTSMAN, JR.
Governor

GARY R. HERBERT
Lieutenant Governor

May 30, 2006

National Fuel Corporation
7979 E. Tuffs Ave., #815
Denver, CO 80237

Re: NFC Westwater State 22A-32 Well, 2549' FNL, 2580' FWL, SE NW, Sec. 32,
T. 16 South, R. 24 East, Grand County, Utah

Gentlemen:

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

Appropriate information has been submitted to DOGM and administrative approval of the requested exception location is hereby granted.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-019-31473.

Sincerely,

Gil Hunt
Associate Director

pab
Enclosures

cc: Grand County Assessor
SITLA

Operator: National Fuel Corporation
Well Name & Number NFC Westwater State 22A-32
API Number: 43-019-31473
Lease: ML-21613

Location: SE NW **Sec.** 32 **T.** 16 South **R.** 24 East

Conditions of Approval

1. **General**

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

2. **Notification Requirements**

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

- 24 hours prior to cementing or testing casing
- 24 hours prior to testing blowout prevention equipment
- 24 hours prior to spudding the well
- within 24 hours of any emergency changes made to the approved drilling program
- prior to commencing operations to plug and abandon the well

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

- Dan Jarvis at (801) 538-5338
- Carol Daniels at (801) 538-5284 (spud)

3. **Reporting Requirements**

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

4. Compliance with the State of Utah Antiquities Act forbids disturbance of archeological, historical, or paleontological remains. Should archeological, historical or paleontological remains be encountered during your operations, you are required to immediately suspend all operations and immediately inform the Trust Lands Administration and the Division of State History of the discovery of such remains.

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

FORM 3

AMENDED REPORT
(highlight changes)

APPLICATION FOR PERMIT TO DRILL		5. MINERAL LEASE NO: -21613	6. SURFACE: State
1A. TYPE OF WORK: DRILL <input checked="" type="checkbox"/> REENTER <input type="checkbox"/> DEEPEN <input type="checkbox"/>		7. INDIAN, ALLOTTEE OR TRIBE NAME:	
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:	
2. NAME OF OPERATOR: National Fuel Corporation		9. WELL NAME and NUMBER: NFC Westwater State #22A-32	
3. ADDRESS OF OPERATOR: 7979 E. Tufts Ave. #815 CITY Denver STATE Co ZIP 80237		PHONE NUMBER: (303) 220-7772	10. FIELD AND POOL OR WILDCAT: <i>Undesignated</i>
4. LOCATION OF WELL (FOOTAGES) AT SURFACE: 2549' FNL, 2580' FWL AT PROPOSED PRODUCING ZONE: 2500' FNL, 2440' FWL		11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SENW 32 16S 24E	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE: 48.2 miles Northwest of Fruita, Colorado		12. COUNTY: Grand	13. STATE: UTAH
15. DISTANCE TO NEAREST PROPERTY OR LEASE LINE (FEET) surface 2549', subsurface 2440'	16. NUMBER OF ACRES IN LEASE: 640	17. NUMBER OF ACRES ASSIGNED TO THIS WELL: no spacing	
18. DISTANCE TO NEAREST WELL (DRILLING, COMPLETED, OR APPLIED FOR) ON THIS LEASE (FEET) 1860' Westwater #M-6	19. PROPOSED DEPTH: 6,650	20. BOND DESCRIPTION: Statewide Drig. Bond #04127314	
21. ELEVATIONS (SHOW WHETHER DF, RT, GR, ETC.): graded 7325'	22. APPROXIMATE DATE WORK WILL START: 4/15/2006	23. ESTIMATED DURATION: 25 Days	

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	CASING SIZE, GRADE, AND WEIGHT PER FOOT			SETTING DEPTH	CEMENT TYPE, QUANTITY, YIELD, AND SLURRY WEIGHT		
17 1/2"	13 3/8	H-40	48#	150	Class G	181 sx 1.15 cu. ft/sk	15.8 ppg
12 1/4"	9 5/8	J-55	36#	1,000	Class G	389 sx 1.61 cu. ft/sk	14.2 ppg
8 3/4"	4 1/2	N-80	11.6#	6,656	50/50 poz	1377 sx 1.26 cu. ft/sk	14.2 ppg

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) Andrew Busch TITLE V.P. of Operations
SIGNATURE *Andrew Busch* DATE 3/24/2006

(This space for State use only)

API NUMBER ASSIGNED: 43019-31473

Approved by the
Utah Division of
Oil, Gas and Mining

Date: 05-30-06
By: *[Signature]*

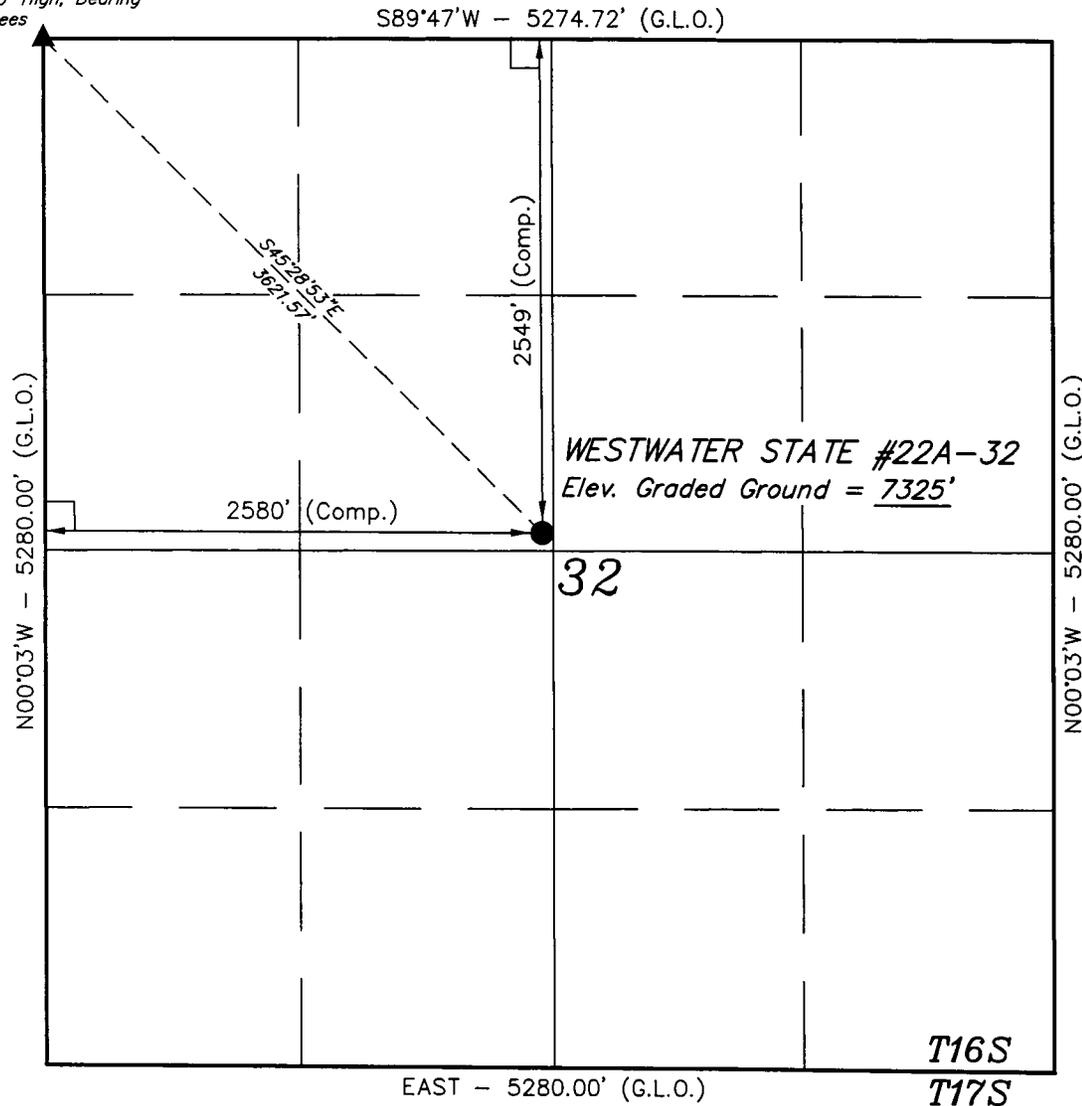
RECEIVED

MAY 02 2006

DIV. OF OIL, GAS & MINING

T16S, R24E, S.L.B.&M.

1922 Brass Cap,
1.0' High, Bearing
Trees



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

(AUTONOMOUS NAD 83)
 LATITUDE = 39°22'21.47" (39.372631)
 LONGITUDE = 109°17'33.70" (109.292694)
 (AUTONOMOUS NAD 27)
 LATITUDE = 39°22'21.57" (39.372658)
 LONGITUDE = 109°17'31.27" (109.292019)

NATIONAL FUEL CORPORATION

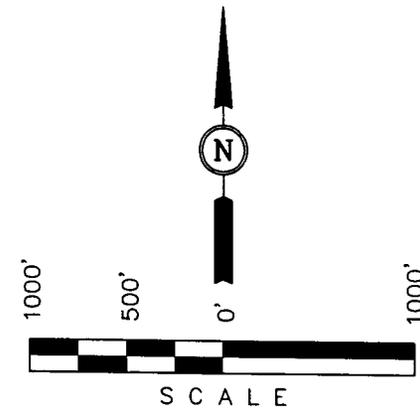
Well location, WESTWATER STATE #22A-32,
located as shown in the SE 1/4 NW 1/4 of
Section 32, T16S, R24E, S.L.B.&M. Grand County,
Utah.

BASIS OF ELEVATION

SPOT ELEVATION IN THE SW 1/4 OF SECTION 29, T16S, R24E,
S.L.B.&M. TAKEN FROM THE P.R. SPRING, QUADRANGLE, UTAH,
7.5 MINUTE QUAD. (TOPOGRAPHIC MAP) PUBLISHED BY THE
UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL
SURVEY. SAID ELEVATION IS MARKED AS BEING 7340 FEET.

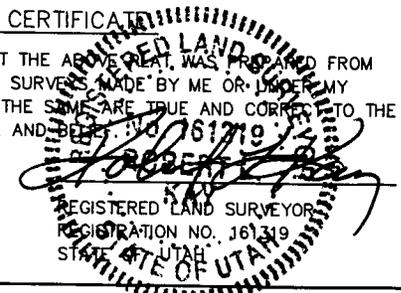
BASIS OF BEARINGS

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 SURVEY, MADE BY ME OR UNDER MY
SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE
BEST OF MY KNOWLEDGE AND BELIEF.



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

SCALE 1" = 1000'	DATE SURVEYED: 03-20-06	DATE DRAWN: 03-21-06
PARTY N.H. D.S. C.G.	REFERENCES G.L.O. PLAT	
WEATHER COOL	FILE NATIONAL FUEL CORPORATION	

J.C. THOMPSON
INDEPENDENT OIL OPERATOR
7979 E. TUFTS AVENUE PARKWAY, #815
DENVER, COLORADO 80237

March 27, 2006

RE: REQUEST FOR CONSENT TO DRILL EXCEPTION LOCATION
T16S, R24E, SLB & M
SE¼ NW¼ SECTION 32
GRAND COUNTY, UTAH

Dear Working Interest Owner:

This letter is written further to our similar request to you by letter dated June 6, 2005 and is also to seek your consent to obtain an Authorization for Permit to Drill (APD) for a new well, the Westwater State #22A-32, which we would like to drill *next to* the above-referenced site where we obtained your consent last year. Your approval is needed for a *possible* second well in event the Dakota/Cedar Mountain sands are non-productive in the first well, the as-yet un-drilled Westwater State #22-32. Because of difficult terrain, it is not possible to drill a vertical wellbore; therefore, we seek your consent to drill directionally to a sub-surface target at an estimated depth of 6,650 feet located 2,500' from the north line (FNL) and 2,440' from the west line (FWL) of Section 32. The surface location is 2,549' FNL and 2,580' FWL.

Because the spud location and part of the wellbore trajectory fall within a 460' radius of the Horse Point Unit Participating Area B line in the E½ of Section 32 *and* you are an owner in the lease in general, Utah Division of Oil, Gas & Mining administrative rules require the written consent of a majority of the owners to directionally drill.

Please indicate your consent by signing in the space provided on the next page. A pre-paid return envelope is enclosed for your convenience. If the APD is approved, you will be offered the opportunity to participate or to farmout your interest. An Authorization for Expenditure (AFE) will follow as soon as it is finalized. Thank you in advance for your prompt consideration of this matter.

Very truly yours,
J. C. THOMPSON OPERATOR, LLC

J.C. Thompson (24/06)

Enclosure

RECEIVED

MAY 04 2006

DIV. OF OIL, GAS & MINING

REQUEST FOR CONSENT TO DRILL EXCEPTION LOCATION
3/27/2006

	Working Interest Decimal	Consent <i>TB</i>	Non-Consent
<u><i>Teresa T. Bou-Matar</i></u> Teresa T. Bou-Matar	0.082394100	<u>_____</u>	<u>_____</u>
<u>George E. Cranmer Trust A</u>	0.008356500	<u>_____</u>	<u>_____</u>
<u>S. McLaughlin, Trust B</u>	0.008356500	<u>_____</u>	<u>_____</u>
<u>Mulliner Prince & Mangum</u>	0.010037700	<u>_____</u>	<u>_____</u>
<u>Jacqueline B. W. Riddell (suspense)</u>	0.001195900	<u>_____</u>	<u>_____</u>
<u>Diane Thompson</u>	0.082394100	<u>_____</u>	<u>_____</u>
<u>National Fuel Corporation</u>	0.554909800	<u>_____</u>	<u>_____</u>
<u>The Student Conservation Assn.</u>	0.020075400	<u>_____</u>	<u>_____</u>
<u>Andrew W. Busch</u>	0.008871800	<u>_____</u>	<u>_____</u>
<u>Mark F. Thompson</u>	0.082394200	<u>_____</u>	<u>_____</u>
<u>Allen A. Cranmer</u>	0.002785466	<u>_____</u>	<u>_____</u>
<u>Bruce K. Cranmer</u>	0.002785466	<u>_____</u>	<u>_____</u>
<u>Jeanie C. Clark</u>	0.002785466	<u>_____</u>	<u>_____</u>
<u>Thomas Cranmer, Trustee</u>	0.010037700	<u>_____</u>	<u>_____</u>
<u>Barbara Bozman-Moss</u>	0.017511933	<u>_____</u>	<u>_____</u>
<u>Mary Katherine Bozman</u>	0.008755967	<u>_____</u>	<u>_____</u>
<u>Judith E. Anderson</u>	<u>0.096352000</u>	<u>_____</u>	<u>_____</u>
	1.000000000		

REQUEST FOR CONSENT TO DRILL EXCEPTION LOCATION
3/27/2006

	<u>Working Interest Decimal</u>	<u>Consent</u>	<u>Non-Consent</u>
Teresa T. Bou-Matar	0.082394100	_____	_____
<i>George E. Cranmer Trustee</i> George E. Cranmer Trust A	0.008356500	_____✓	_____
S. McLaughlin, Trust B	0.008356500	_____	_____
Mulliner Prince & Mangum	0.010037700	_____	_____
Jacqueline B. W. Riddell (suspense)	0.001195900	_____	_____
Diane Thompson	0.082394100	_____	_____
National Fuel Corporation	0.554909800	_____	_____
The Student Conservation Assn.	0.020075400	_____	_____
Andrew W. Busch	0.008871800	_____	_____
Mark F. Thompson	0.082394200	_____	_____
Allen A. Cranmer	0.002785466	_____	_____
Bruce K. Cranmer	0.002785466	_____	_____
Jeanie C. Clark	0.002785466	_____	_____
Thomas Cranmer, Trustee	0.010037700	_____	_____
Barbara Bozman-Moss	0.017511933	_____	_____
Mary Katherine Bozman	0.008755967	_____	_____
Judith E. Anderson	<u>0.096352000</u>	_____	_____
	1.000000000		

REQUEST FOR CONSENT TO DRILL EXCEPTION LOCATION
3/27/2006

	<u>Working Interest Decimal</u>	<u>Consent</u>	<u>Non-Consent</u>
<u>Teresa T. Bou-Matar</u>	0.082394100	_____	_____
<u>George E. Cranmer Trust A</u>	0.008356500	_____	_____
<u>S. McLaughlin, Trust B</u> <i>S. McLaughlin, Trust B</i>	0.008356500	_____ ✓	_____
<u>Mulliner Prince & Mangum</u>	0.010037700	_____	_____
<u>Jacqueline B. W. Riddell (suspense)</u>	0.001195900	_____	_____
<u>Diane Thompson</u>	0.082394100	_____	_____
<u>National Fuel Corporation</u>	0.554909800	_____	_____
<u>The Student Conservation Assn.</u>	0.020075400	_____	_____
<u>Andrew W. Busch</u>	0.008871800	_____	_____
<u>Mark F. Thompson</u>	0.082394200	_____	_____
<u>Allen A. Cranmer</u>	0.002785466	_____	_____
<u>Bruce K. Cranmer</u>	0.002785466	_____	_____
<u>Jeanie C. Clark</u>	0.002785466	_____	_____
<u>Thomas Cranmer, Trustee</u>	0.010037700	_____	_____
<u>Barbara Bozman-Moss</u>	0.017511933	_____	_____
<u>Mary Katherine Bozman</u>	0.008755967	_____	_____
<u>Judith E. Anderson</u>	<u>0.096352000</u>	_____	_____
	1.000000000		

REQUEST FOR CONSENT TO DRILL EXCEPTION LOCATION
3/27/2006

	<u>Working Interest Decimal</u>	<u>Consent</u>	<u>Non-Consent</u>
<u>Teresa T. Bou-Matar</u>	0.082394100	_____	_____
<u>George E. Cranmer Trust A</u>	0.008356500	_____	_____
<u>S. McLaughlin, Trust B</u>	0.008356500	_____	_____
F.S.Prince, Jr. Shelter Trust			
By: <i>Sherrill Prince</i> Trustee & Gen. Ptr			
<u>Mulliner Prince & Mangum</u>	0.010037700	_____	_____
<u>Jacqueline B. W. Riddell (suspense)</u>	0.001195900	_____	_____
<u>Diane Thompson</u>	0.082394100	_____	_____
<u>National Fuel Corporation</u>	0.554909800	_____	_____
<u>The Student Conservation Assn.</u>	0.020075400	_____	_____
<u>Andrew W. Busch</u>	0.008871800	_____	_____
<u>Mark F. Thompson</u>	0.082394200	_____	_____
<u>Allen A. Cranmer</u>	0.002785466	_____	_____
<u>Bruce K. Cranmer</u>	0.002785466	_____	_____
<u>Jeanie C. Clark</u>	0.002785466	_____	_____
<u>Thomas Cranmer, Trustee</u>	0.010037700	_____	_____
<u>Barbara Bozman-Moss</u>	0.017511933	_____	_____
<u>Mary Katherine Bozman</u>	0.008755967	_____	_____
<u>Judith E. Anderson</u>	<u>0.096352000</u>	_____	_____
	1.000000000		

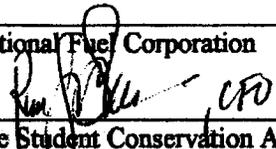
REQUEST FOR CONSENT TO DRILL EXCEPTION LOCATION
4/11/2006

	<u>Working Interest Decimal</u>	<u>Consent</u>	<u>Non-Consent</u>
<u>Teresa T. Bou-Matar</u>	0.082394100	_____	_____
<u>George E. Cranmer Trust A</u>	0.008356500	_____	_____
<u>S. McLaughlin, Trust B</u>	0.008356500	_____	_____
<u>Mulliner Prince & Mangum</u>	0.010037700	_____	_____
<u>Jacqueline B. W. Riddell (suspense)</u>	0.001195900	_____	_____
<u><i>Diane Thompson</i></u> Diane Thompson	0.082394100	_____✓	_____
<u>National Fuel Corporation</u>	0.554909800	_____	_____
<u>The Student Conservation Assn.</u>	0.020075400	_____	_____
<u>Andrew W. Busch</u>	0.008871800	_____	_____
<u>Mark F. Thompson</u>	0.082394200	_____	_____
<u>Allen A. Cranmer</u>	0.002785466	_____	_____
<u>Bruce K. Cranmer</u>	0.002785466	_____	_____
<u>Jeanie C. Clark</u>	0.002785466	_____	_____
<u>Thomas Cranmer, Trustee</u>	0.010037700	_____	_____
<u>Barbara Bozman-Moss</u>	0.017511933	_____	_____
<u>Mary Katherine Bozman</u>	0.008755967	_____	_____
<u>Judith E. Anderson</u>	<u>0.096352000</u>	_____	_____
	1.000000000		

REQUEST FOR CONSENT TO DRILL EXCEPTION LOCATION
4/11/2006

	<u>Working Interest Decimal</u>	<u>Consent</u>	<u>Non-Consent</u>
Teresa T. Bou-Matar	0.082394100	_____	_____
George E. Cranmer Trust A	0.008356500	_____	_____
S. McLaughlin, Trust B	0.008356500	_____	_____
Mulliner Prince & Mangum	0.010037700	_____	_____
Jacqueline B. W. Riddell (suspense)	0.001195900	_____	_____
Diane Thompson	0.082394100	_____	_____
<i>Diane Thompson, PRESIDENT</i> National Fuel Corporation	0.554909800	_____ ✓	_____
The Student Conservation Assn.	0.020075400	_____	_____
Andrew W. Busch	0.008871800	_____	_____
Mark F. Thompson	0.082394200	_____	_____
Allen A. Cranmer	0.002785466	_____	_____
Bruce K. Cranmer	0.002785466	_____	_____
Jeanie C. Clark	0.002785466	_____	_____
Thomas Cranmer, Trustee	0.010037700	_____	_____
Barbara Bozman-Moss	0.017511933	_____	_____
Mary Katherine Bozman	0.008755967	_____	_____
Judith E. Anderson	<u>0.096352000</u>	_____	_____
	1.000000000		

REQUEST FOR CONSENT TO DRILL EXCEPTION LOCATION
3/27/2006

	<u>Working Interest Decimal</u>	<u>Consent</u>	<u>Non-Consent</u>
Teresa T. Bou-Matar	0.082394100	_____	_____
George E. Cranmer Trust A	0.008356500	_____	_____
S. McLaughlin, Trust B	0.008356500	_____	_____
Mulliner Prince & Mangum	0.010037700	_____	_____
Jacqueline B. W. Riddell (suspense)	0.001195900	_____	_____
Diane Thompson	0.082394100	_____	_____
National Fuel Corporation	0.554909800	_____	_____
 The Student Conservation Assn.	0.020075400	_____ ✓ _____	_____
Andrew W. Busch	0.008871800	_____	_____
Mark F. Thompson	0.082394200	_____	_____
Allen A. Cranmer	0.002785466	_____	_____
Bruce K. Cranmer	0.002785466	_____	_____
Jeanie C. Clark	0.002785466	_____	_____
Thomas Cranmer, Trustee	0.010037700	_____	_____
Barbara Bozman-Moss	0.017511933	_____	_____
Mary Katherine Bozman	0.008755967	_____	_____
Judith E. Anderson	<u>0.096352000</u>	_____	_____
	1.000000000		

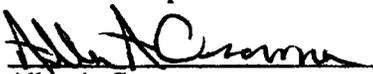
REQUEST FOR CONSENT TO DRILL EXCEPTION LOCATION
3/27/2006

	<u>Working Interest Decimal</u>	<u>Consent</u>	<u>Non-Consent</u>
<u>Teresa T. Bou-Matar</u>	0.082394100	_____	_____
<u>George E. Cranmer Trust A</u>	0.008356500	_____	_____
<u>S. McLaughlin, Trust B</u>	0.008356500	_____	_____
<u>Mulliner Prince & Mangum</u>	0.010037700	_____	_____
<u>Jacqueline B. W. Riddell (suspense)</u>	0.001195900	_____	_____
<u>Diane Thompson</u>	0.082394100	_____	_____
<u>National Fuel Corporation</u>	0.554909800	_____	_____
<u>The Student Conservation Assn.</u>	0.020075400	_____	_____
<u><i>Andrew W. Busch</i></u> Andrew W. Busch	0.008871800	_____ ✓	_____
<u>Mark F. Thompson</u>	0.082394200	_____	_____
<u>Allen A. Cranmer</u>	0.002785466	_____	_____
<u>Bruce K. Cranmer</u>	0.002785466	_____	_____
<u>Jeanie C. Clark</u>	0.002785466	_____	_____
<u>Thomas Cranmer, Trustee</u>	0.010037700	_____	_____
<u>Barbara Bozman-Moss</u>	0.017511933	_____	_____
<u>Mary Katherine Bozman</u>	0.008755967	_____	_____
<u>Judith E. Anderson</u>	<u>0.096352000</u>	_____	_____
	1.000000000		

REQUEST FOR CONSENT TO DRILL EXCEPTION LOCATION
3/27/2006

	<u>Working Interest Decimal</u>	<u>Consent</u>	<u>Non-Consent</u>
<u>Teresa T. Bou-Matar</u>	0.082394100	_____	_____
<u>George E. Cranmer Trust A</u>	0.008356500	_____	_____
<u>S. McLaughlin, Trust B</u>	0.008356500	_____	_____
<u>Mulliner Prince & Mangum</u>	0.010037700	_____	_____
<u>Jacqueline B. W. Riddell (suspense)</u>	0.001195900	_____	_____
<u>Diane Thompson</u>	0.082394100	_____	_____
<u>National Fuel Corporation</u>	0.554909800	_____	_____
<u>The Student Conservation Assn.</u>	0.020075400	_____	_____
<u>Andrew W. Busch</u>	0.008871800	_____	_____
<u> Mark F. Thompson</u>	0.082394200	<u>X</u>	_____
<u>Allen A. Cranmer</u>	0.002785466	_____	_____
<u>Bruce K. Cranmer</u>	0.002785466	_____	_____
<u>Jeanie C. Clark</u>	0.002785466	_____	_____
<u>Thomas Cranmer, Trustee</u>	0.010037700	_____	_____
<u>Barbara Bozman-Moss</u>	0.017511933	_____	_____
<u>Mary Katherine Bozman</u>	0.008755967	_____	_____
<u>Judith E. Anderson</u>	<u>0.096352000</u>	_____	_____
	1.000000000		

REQUEST FOR CONSENT TO DRILL EXCEPTION LOCATION
3/27/2006

	<u>Working Interest Decimal</u>	<u>Consent</u>	<u>Non-Consent</u>
<u>Teresa T. Bou-Matar</u>	0.082394100	_____	_____
<u>George E. Cranmer Trust A</u>	0.008356500	_____	_____
<u>S. McLaughlin, Trust B</u>	0.008356500	_____	_____
<u>Mulliner Prince & Mangum</u>	0.010037700	_____	_____
<u>Jacqueline B. W. Riddell (suspense)</u>	0.001195900	_____	_____
<u>Diane Thompson</u>	0.082394100	_____	_____
<u>National Fuel Corporation</u>	0.554909800	_____	_____
<u>The Student Conservation Assn.</u>	0.020075400	_____	_____
<u>Andrew W. Busch</u>	0.008871800	_____	_____
<u>Mark F. Thompson</u>	0.082394200	_____	_____
 <u>Allen A. Cranmer</u>	0.002785466	_____✓	_____
<u>Bruce K. Cranmer</u>	0.002785466	_____	_____
<u>Jeanie C. Clark</u>	0.002785466	_____	_____
<u>Thomas Cranmer, Trustee</u>	0.010037700	_____	_____
<u>Barbara Bozman-Moss</u>	0.017511933	_____	_____
<u>Mary Katherine Bozman</u>	0.008755967	_____	_____
<u>Judith E. Anderson</u>	<u>0.096352000</u>	_____	_____
	1.000000000		

REQUEST FOR CONSENT TO DRILL EXCEPTION LOCATION
3/27/2006

	<u>Working Interest Decimal</u>	<u>Consent</u>	<u>Non-Consent</u>
<u>Teresa T. Bou-Matar</u>	0.082394100	_____	_____
<u>George E. Cranmer Trust A</u>	0.008356500	_____	_____
<u>S. McLaughlin, Trust B</u>	0.008356500	_____	_____
<u>Mulliner Prince & Mangum</u>	0.010037700	_____	_____
<u>Jacqueline B. W. Riddell (suspense)</u>	0.001195900	_____	_____
<u>Diane Thompson</u>	0.082394100	_____	_____
<u>National Fuel Corporation</u>	0.554909800	_____	_____
<u>The Student Conservation Assn.</u>	0.020075400	_____	_____
<u>Andrew W. Busch</u>	0.008871800	_____	_____
<u>Mark F. Thompson</u>	0.082394200	_____	_____
<u>Allen A. Cranmer</u>	0.002785466	_____	_____
<u></u> Bruce K. Cranmer	0.002785466	<u></u>	_____
<u>Jeanie C. Clark</u>	0.002785466	_____	_____
<u>Thomas Cranmer, Trustee</u>	0.010037700	_____	_____
<u>Barbara Bozman-Moss</u>	0.017511933	_____	_____
<u>Mary Katherine Bozman</u>	0.008755967	_____	_____
<u>Judith E. Anderson</u>	<u>0.096352000</u>	_____	_____
	1.000000000		

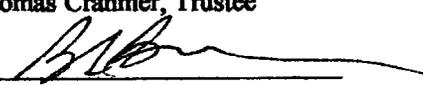
REQUEST FOR CONSENT TO DRILL EXCEPTION LOCATION
3/27/2006

	<u>Working Interest Decimal</u>	<u>Consent</u>	<u>Non-Consent</u>
<u>Teresa T. Bou-Matar</u>	0.082394100	_____	_____
<u>George E. Cranmer Trust A</u>	0.008356500	_____	_____
<u>S. McLaughlin, Trust B</u>	0.008356500	_____	_____
<u>Mulliner Prince & Mangum</u>	0.010037700	_____	_____
<u>Jacqueline B. W. Riddell (suspense)</u>	0.001195900	_____	_____
<u>Diane Thompson</u>	0.082394100	_____	_____
<u>National Fuel Corporation</u>	0.554909800	_____	_____
<u>The Student Conservation Assn.</u>	0.020075400	_____	_____
<u>Andrew W. Busch</u>	0.008871800	_____	_____
<u>Mark F. Thompson</u>	0.082394200	_____	_____
<u>Allen A. Cranmer</u>	0.002785466	_____	_____
<u>Bruce K. Cranmer</u>	0.002785466	_____	_____
<u><i>Jeanie C. Clark</i></u> Jeanie C. Clark	0.002785466	<u>X</u>	_____
<u>Thomas Cranmer, Trustee</u>	0.010037700	_____	_____
<u>Barbara Bozman-Moss</u>	0.017511933	_____	_____
<u>Mary Katherine Bozman</u>	0.008755967	_____	_____
<u>Judith E. Anderson</u>	<u>0.096352000</u>	_____	_____
	1.000000000		

REQUEST FOR CONSENT TO DRILL EXCEPTION LOCATION
3/27/2006

	<u>Working Interest Decimal</u>	<u>Consent</u>	<u>Non-Consent</u>
<u>Teresa T. Bou-Matar</u>	0.082394100	_____	_____
<u>George E. Cranmer Trust A</u>	0.008356500	_____	_____
<u>S. McLaughlin, Trust B</u>	0.008356500	_____	_____
<u>Mulliner Prince & Mangum</u>	0.010037700	_____	_____
<u>Jacqueline B. W. Riddell (suspense)</u>	0.001195900	_____	_____
<u>Diane Thompson</u>	0.082394100	_____	_____
<u>National Fuel Corporation</u>	0.554909800	_____	_____
<u>The Student Conservation Assn.</u>	0.020075400	_____	_____
<u>Andrew W. Busch</u>	0.008871800	_____	_____
<u>Mark F. Thompson</u>	0.082394200	_____	_____
<u>Allen A. Cranmer</u>	0.002785466	_____	_____
<u>Bruce K. Cranmer</u>	0.002785466	_____	_____
<u>Jeanie C. Clark</u>	0.002785466	_____	_____
<i>Thomas Cranmer, Trustee</i> <u>Thomas Cranmer, Trustee</u>	0.010037700	<u>Ⓟ</u>	_____
<u>Barbara Bozman-Moss</u>	0.017511933	_____	_____
<u>Mary Katherine Bozman</u>	0.008755967	_____	_____
<u>Judith E. Anderson</u>	<u>0.096352000</u>	_____	_____
	1.000000000		

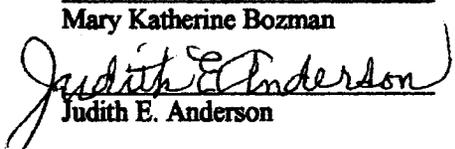
REQUEST FOR CONSENT TO DRILL EXCEPTION LOCATION
3/27/2006

	<u>Working Interest Decimal</u>	<u>Consent</u>	<u>Non-Consent</u>
<u>Teresa T. Bou-Matar</u>	0.082394100	_____	_____
<u>George E. Cranmer Trust A</u>	0.008356500	_____	_____
<u>S. McLaughlin, Trust B</u>	0.008356500	_____	_____
<u>Mulliner Prince & Mangum</u>	0.010037700	_____	_____
<u>Jacqueline B. W. Riddell (suspense)</u>	0.001195900	_____	_____
<u>Diane Thompson</u>	0.082394100	_____	_____
<u>National Fuel Corporation</u>	0.554909800	_____	_____
<u>The Student Conservation Assn.</u>	0.020075400	_____	_____
<u>Andrew W. Busch</u>	0.008871800	_____	_____
<u>Mark F. Thompson</u>	0.082394200	_____	_____
<u>Allen A. Cranmer</u>	0.002785466	_____	_____
<u>Bruce K. Cranmer</u>	0.002785466	_____	_____
<u>Jeanie C. Clark</u>	0.002785466	_____	_____
<u>Thomas Cranmer, Trustee</u>	0.010037700	_____	_____
 <u>Barbara Bozman-Moss</u>	0.017511933	<u>yes</u>	_____
<u>Mary Katherine Bozman</u>	0.008755967	_____	_____
<u>Judith E. Anderson</u>	<u>0.096352000</u>	_____	_____
	1.000000000		

REQUEST FOR CONSENT TO DRILL EXCEPTION LOCATION
3/27/2006

	<u>Working Interest Decimal</u>	<u>Consent</u>	<u>Non-Consent</u>
<u>Teresa T. Bou-Matar</u>	0.082394100	_____	_____
<u>George E. Cranmer Trust A</u>	0.008356500	_____	_____
<u>S. McLaughlin, Trust B</u>	0.008356500	_____	_____
<u>Mulliner Prince & Mangum</u>	0.010037700	_____	_____
<u>Jacqueline B. W. Riddell (suspense)</u>	0.001195900	_____	_____
<u>Diane Thompson</u>	0.082394100	_____	_____
<u>National Fuel Corporation</u>	0.554909800	_____	_____
<u>The Student Conservation Assn.</u>	0.020075400	_____	_____
<u>Andrew W. Busch</u>	0.008871800	_____	_____
<u>Mark F. Thompson</u>	0.082394200	_____	_____
<u>Allen A. Cranmer</u>	0.002785466	_____	_____
<u>Bruce K. Cranmer</u>	0.002785466	_____	_____
<u>Jeanie C. Clark</u>	0.002785466	_____	_____
<u>Thomas Cranmer, Trustee</u>	0.010037700	_____	_____
<u>Barbara Bozman-Moss</u>	0.017511933	_____	_____
<i>Mary Katherine Bozman</i> <u>Mary Katherine Bozman</u>	0.008755967	<u>X</u>	_____
<u>Judith E. Anderson</u>	<u>0.096352000</u>	_____	_____
	1.000000000		

REQUEST FOR CONSENT TO DRILL EXCEPTION LOCATION
3/27/2006

	<u>Working Interest Decimal</u>	<u>Consent</u>	<u>Non-Consent</u>
<u>Teresa T. Bou-Matar</u>	0.082394100	_____	_____
<u>George E. Cranmer Trust A</u>	0.008356500	_____	_____
<u>S. McLaughlin, Trust B</u>	0.008356500	_____	_____
<u>Mulliner Prince & Mangum</u>	0.010037700	_____	_____
<u>Jacqueline B. W. Riddell (suspense)</u>	0.001195900	_____	_____
<u>Diane Thompson</u>	0.082394100	_____	_____
<u>National Fuel Corporation</u>	0.554909800	_____	_____
<u>The Student Conservation Assn.</u>	0.020075400	_____	_____
<u>Andrew W. Busch</u>	0.008871800	_____	_____
<u>Mark F. Thompson</u>	0.082394200	_____	_____
<u>Allen A. Cranmer</u>	0.002785466	_____	_____
<u>Bruce K. Cranmer</u>	0.002785466	_____	_____
<u>Jeanie C. Clark</u>	0.002785466	_____	_____
<u>Thomas Cranmer, Trustee</u>	0.010037700	_____	_____
<u>Barbara Bozman-Moss</u>	0.017511933	_____	_____
<u>Mary Katherine Bozman</u>	0.008755967	_____	_____
 <u>Judith E. Anderson</u>	0.096352000	<input checked="" type="checkbox"/>	_____
	1.000000000		

Attn: Diana Waintry

11. Lessee's or Operator's Representative and Certification

Representative:

Name: Andrew W. Busch Fruita Office (970)858-7490, Cell (970) 260-8128

Title: V.P. of Operations

Address: 7979 East Tufts Avenue Parkway #815
Denver, Co. 80237

Phone Number: Denver office (303)220-7772

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 exist; 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 National Fuel Corporation 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 Utah Statewide Blanket Drilling Bond no. 04127314.

Andrew W. Busch
Signature

Vice President of Operations
Title

March 24th, 2006
Date

RECEIVED
MAY 23 2006
DIV. OF OIL, GAS & MINING
8



JON M. HUNTSMAN, JR.
Governor

GARY R. HERBERT
Lieutenant Governor

State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

July 13, 2007

Andrew Busch
National Fuel Corporation
7979 East Tufts Ave. Pkwy 815
Denver CO 80237

Re: APD Rescinded –NFC Westwater St. 22A-32 Sec. 32, T. 16S R. 24E
Grand County, Utah API No. 43-019-31473

Dear Mr. Busch:

The Application for Permit to Drill (APD) for the subject well was approved by the Division of Oil, Gas and Mining (Division) on May 30, 2006. No drilling activity at this location has been reported to the division. Therefore, approval to drill the well is hereby rescinded, effective July 13, 2007.

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

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

Sincerely,

Diana Mason
Environmental Scientist

cc: Well File
Ed Bonner, SITLA

