



T11S R25E

17

16

15

QUEST  
6-15 x

QUEST  
8-15 x

# KICKER FIELD

14CLIFFS  
12-21  
QUEST  
12-21

CLIFFS  
15-21L  
QUEST  
16-21

QUEST  
16-21

EVACUATION  
CRK FEE1  
TEXAS  
CREEK  
14-22  
QUEST  
22-1

QUEST  
10-22

DRAGON  
WATSON  
1-22-11-25  
QUEST  
16-22

QUEST  
4-28 x

CAUSE: 206-3

QUEST  
6-28

29

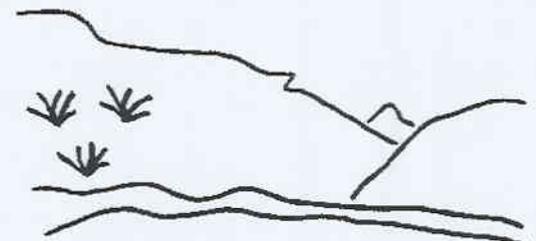
OPERATOR: TCC ROYALTY CORP (N1995)

SEC. 21 T.11S, R.25E

FIELD: KICKER (619)

COUNTY: UINTAH

SPACING: R649-3-2 / GENERAL SITING



## Utah Oil Gas and Mining

### Wells

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

### Unit Status

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

### Field Status

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



PREPARED BY: DIANA WHITNEY  
DATE: 16-OCTOBER-2003

WORKSHEET  
APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 02/09/2001

API NO. ASSIGNED: 43-047-33935

WELL NAME: cliffs  
~~AHO~~ 12-21

OPERATOR: DOMINION EXPL & PROD ( N1095 )

CONTACT: DAVID LINGER

PHONE NUMBER: 281-873-3692

PROPOSED LOCATION:

NWSW 21 110S 250E  
SURFACE: 2027 FSL 798 FWL  
BOTTOM: 2027 FSL 798 FWL  
UINTAH  
WILDCAT ( 1 )

INSPECT LOCATN BY: / /		
Tech Review	Initials	Date
Engineering	RAM	2/12/01
Geology		
Surface		

LEASE TYPE: 4-Fee

LEASE NUMBER: FEE

SURFACE OWNER: 4-Fee

PROPOSED FORMATION: WSTC

RECEIVED AND/OR REVIEWED:

- Plat
- Bond: Fed[] Ind[] Sta[] Fee[4] (No. 275-900082-7 eff. 2-12-01)
- Potash (Y/N)
- Oil Shale (Y/N) \*190-5 (B) or 190-3
- Water Permit (No. 43-10447/43-9077)
- RDCC Review (Y/N) (Date: DOGMLTR 2-9-01 / Comments due 2-23-01.)
- Fee Surf Agreement (Y/N) \*Partial agreement

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

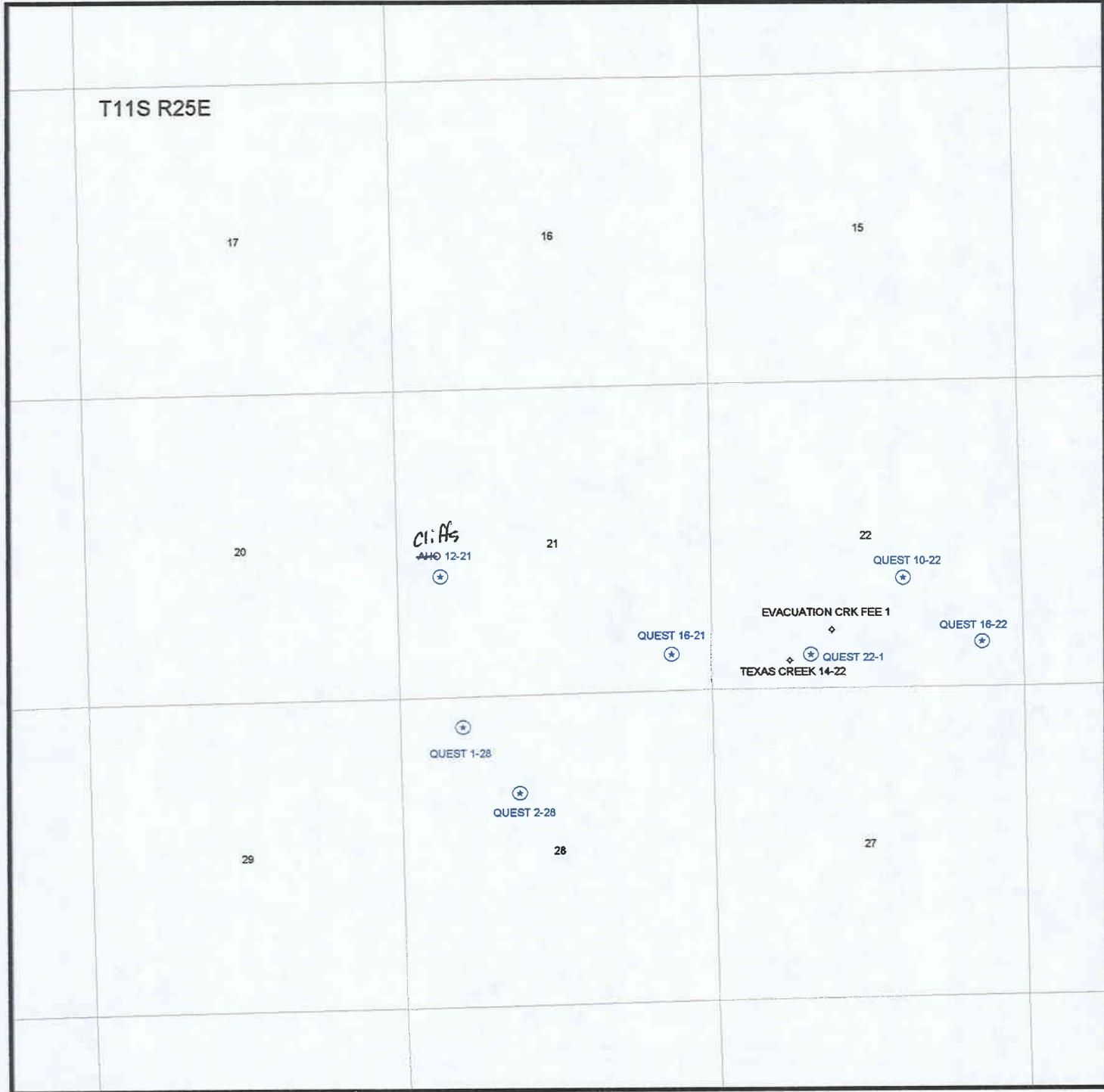
COMMENTS: Need Presite. (Conducted 2-12-01)

STIPULATIONS: ① IN ORDER TO PROTECT NEAR SURFACE FRESH WATER, CIRCULATE COMOUT FOR BOTH THE SURFACE AND PRODUCTION CASINA TO GROUND LEVEL.

② STATEMENT OF BASIS



OPERATOR: DOMINION E&P INC (N1095)  
 FIELD: WILDCAT (001)  
 SEC. 21, T11S, R25E,  
 COUNTY: UINTAH SPACING: R649-3-2/GEN ST



TRANSACTION REPORT

P. 01

FEB-09-2001 FRI 03:43 PM

FOR: OIL, GAS & MINING

801 359 3940

DATE	START	RECEIVER	TX TIME	PAGES	TYPE	NOTE	M#	DP
FEB-09	03:42	PM 5381547	1' 15"	4	SEND	OK	157	
TOTAL :						1M 15S	PAGES:	4



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

Michael O. Leavitt  
 Governor  
 Kathleen Clarke  
 Executive Director  
 Lowell P. Braxton  
 Division Director

1594 West North Temple, Suite 1210  
 PO Box 145801  
 Salt Lake City, Utah 84114-5801  
 801-538-5340  
 801-359-3940 (Fax)  
 801-538-7223 (TDD)

UTAH DIVISION OF OIL, GAS AND MINING  
 FACSIMILE COVER SHEET

DATE: 2/9/01

FAX #: 538-1547

ATTN: Ann Rosner

COMPANY: RPCC

DEPARTMENT: \_\_\_\_\_

NUMBER OF PAGES: (INCLUDING THIS ONE) 4

FROM: Earlene Russell 538-5277

If you do not receive all of the pages or if they are illegible, please call (801)538-5340.

TRANSACTION REPORT

P. 01

FEB-09-2001 FRI 05:09 PM

FOR: OIL, GAS & MINING

801 359 3940

DATE	START	RECEIVER	TX TIME	PAGES	TYPE	NOTE	M#	DP
FEB-09	05:04 PM	14357223417	4' 46"	14	SEND	OK	160	
TOTAL :						4M 46S	PAGES:	14



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 801-538-7223 (TDD)

UTAH DIVISION OF OIL, GAS AND MINING  
 FACSIMILE COVER SHEET

DATE:       Date 2-9-01      

FAX #:       435-722-3417      

ATTN: \_\_\_\_\_

COMPANY: \_\_\_\_\_

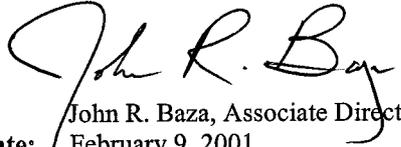
DEPARTMENT: \_\_\_\_\_

NUMBER OF PAGES: (INCLUDING THIS ONE)       14 (APD for Presite 2-12-01)      

FROM:       Lisa      

If you do not receive all of the pages or if they are illegible, please call (801) 538-5340.

**STATE ACTIONS**  
**State Clearinghouse Coordinator**  
**116 State Capitol, SLC, UT 84114**  
**538-1535**

<b>1. Administering State Agency</b> Oil, Gas and Mining 1594 West North Temple, Suite 1210 Salt Lake City, UT 84114-5801	<b>2. State Application Identifier Number: (assigned by State Clearinghouse)</b>  <b>3. Approximate date project will start:</b> Upon Approval
<b>4. Areawide clearinghouse(s) receiving state action: (to be sent out by agency in block 1)</b>  <p style="text-align: center;">Uintah Basin Association of Governments</p>	
<b>5. Type of action: // Lease /X/ Permit // License // Land Acquisition</b>  // Land Sale // Land Exchange // Other _____	
<b>6. Title of proposed action:</b>  Application for Permit to Drill	
<b>7. Description:</b>  Dominion Exploration & Production, Inc. proposes to drill the AHO 12-21 well (wildcat) on Wildcat FEE lease, Uintah County, Utah. This action is being presented to the RDCC for consideration of resource issues affecting state interests. The Division of Oil, Gas and Mining is the primary administrative agency in this action and must issue approval before operations commence.	
<b>8. Land affected (site location map required) (indicate county)</b>  <p style="text-align: center;">NW/4, SW/4, Section 21, Township 11 South, Range 25 East, Uintah County, Utah</p>	
<b>9. Has the local government(s) been contacted?</b> <p style="text-align: center;">No</p>	
<b>10. Possible significant impacts likely to occur:</b>  <p style="text-align: center;">Degree of impact is based on the discovery of oil or gas in commercial quantities.</p>	
<b>11. Name and phone of district representative from your agency near project site, if applicable:</b>  	
<b>12. For further information, contact:</b>  <p style="text-align: center;">Lisha Cordova  Phone: (801) 538-5296</p>	<b>13. Signature and title of authorized officer</b>   John R. Baza, Associate Director Date: February 9, 2001

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

**Operator Name:** DOMINION EXPLORATION & PROD. INC.  
**Well Name & Number:** CLIFFS 12-21  
**API Number:** 43-047-33935  
**Location:** 1/4,1/4 NW/SW Sec. 21 T. 11S R. 25E

**Geology/Ground Water:**

Dominion proposes to set 350' of surface casing at this location. The depth to the base of the moderately saline water at this location is estimated to be at a depth of 5500' (below the proposed depth for the well in question). A search of Division of Water Rights records shows 5 water wells within a 10,000 foot radius of the center of section 21. All are industrial use wells with depths ranging from 100-750'. The surface formation at this site is the oil shale zone of the Green River Formation. The Green River Formation is made up of interbedded limestones, shales and sandstones. The operator proposes cementing both strings of casing to surface. This should adequately protect any underground sources of useable water as well as the oil shale section.

**Reviewer:** Brad Hill  
**Date:** 02/13/2000

**Surface:**

The pre-drill investigation of the surface was performed on 2/12/2001. Surface owner is Cliffs Synfuel Corp. Gary Aho (Cliffs Synfuels President) was present at this investigation. He stated a number of specific concerns regarding the construction and drilling of this well. He wanted the reserve pit fenced and closed as soon as it became feasible. He asked that access road be posted to keep out unauthorized visitors. It was decided that a 48" culvert be installed in wash between location and county road. Mr. Aho also asked that the well not be named after him. It was decided that the well would be named "Cliffs 12-21". Mr. Aho stated that the Mahogany zone of the Parachute Creek member of the Green River formation contained oil shale and that at some point in the future Cliffs Synfuel Corp. may attempt to mine this resource. This zone is near the surface at this site. For this reason, he asked that production casing be cemented to surface. Mr. Hall agreed to this. Mr. Aho also requested that site be reseeded with DWR approved seed mix when location is reclaimed and reserve pit be reseeded when it is reclaimed. Mr Hall agreed to this. Mr Aho also requested that site be moved 50' due east to get further from old narrow gauge railroad bed. Rails have been removed from this line, but some old ties still remain. Surveyors

were present at this investigation and immediately restaked site 50' to the east. Site appears to be the best spot for a location in the immediate area.

**Reviewer: David W. Hackford**

**Date: 02/12/2001**

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

1. A synthetic liner with a minimum thickness of 12 mils shall be properly installed and maintained in the reserve pit.

**ON-SITE PREDRILL EVALUATION**  
**Division of Oil, Gas and Mining**

**OPERATOR:** DOMINION EXPLORATION & PROD. INC.  
**WELL NAME & NUMBER:** CLIFFS 12-21  
**API NUMBER:** 43-047-33935  
**LEASE:** FEE **FIELD/UNIT:** WILDCAT  
**LOCATION:** 1/4, 1/4 NW/SW SEC: 21 TWP: 11S RNG: 25E  
801' F W L 2009' F S L \*Estimated  
**LEGAL WELL SITING:** Statewide 400 foot window in center of 40  
acre tract and no closer than 920 feet from  
another well.  
**GPS COORD (UTM):** 12660049E 4412340N  
**SURFACE OWNER:** CLIFFS SYNFUEL CORP.

**PARTICIPANTS:**

GARY AHO (PRESIDENT CLIFFS SYNFUEL CORP.): MITCH HALL, JIM SWETT  
(DOMINION): GARY STREETER (UELS): DAVID HACKFORD (DOGM): THREE  
DIRT CONTRACTORS.

**REGIONAL/LOCAL SETTING & TOPOGRAPHY:**

SITE IS IN THE BOTTOM OF EVACUATION CREEK CANYON WITH STEEP  
RIDGES 600' TO THE EAST AND WEST. EVACUATION CREEK IS 500' TO  
THE WEST. VALLEY FLOOR IS RELATIVELY FLAT.

**SURFACE USE PLAN:**

CURRENT SURFACE USE: WILDLIFE AND LIVESTOCK GRAZING.  
PROPOSED SURFACE DISTURBANCE: LOCATION WOULD BE 210' BY  
300'. ACCESS ROAD IS 0.2 MILES.

LOCATION OF EXISTING WELLS WITHIN A 1 MILE RADIUS: SEE  
ATTACHED MAP FROM GIS DATABASE

LOCATION OF PRODUCTION FACILITIES AND PIPELINES: ALL  
PRODUCTION FACILITIES WILL BE ON LOCATION AND CONSTRUCTED  
AFTER WELL IS DRILLED AND COMPLETED. THE PIPELINE TO THIS  
WELL IF NEEDED WILL FOLLOW ACCESS ROAD.

SOURCE OF CONSTRUCTION MATERIAL: ALL CONSTRUCTION MATERIAL  
WILL BE BORROWED FROM SITE DURING CONSTRUCTION OF LOCATION.

ANCILLARY FACILITIES: NONE WILL BE REQUIRED.

**WASTE MANAGEMENT PLAN:**

DRILLED CUTTINGS WILL BE SETTLED INTO RESERVE PIT. LIQUIDS

FROM PIT WILL BE ALLOWED TO EVAPORATE. FORMATION WATER WILL BE CONFINED TO STORAGE TANKS. SEWAGE FACILITIES, STORAGE AND DISPOSAL WILL BE HANDLED BY COMMERCIAL CONTRACTOR. TRASH WILL BE CONTAINED IN TRASH BASKETS AND HAULED TO AN APPROVED LAND FILL.

**ENVIRONMENTAL PARAMETERS:**

AFFECTED FLOODPLAINS AND/OR WETLANDS: NONE

FLORA/FAUNA: NATIVE GRASSES, JUNIPER, GREASEWOOD, CHEAT GRASS, SHADSCALE, SAGE: RODENTS, COYOTES, SONGBIRDS, RAPTORS, PRONGHORN, DEER, ELK, COUGAR, BLACK BEAR.

SOIL TYPE AND CHARACTERISTICS: BROWN SANDY CLAY LOAM.

EROSION/SEDIMENTATION/STABILITY: VERY LITTLE NATURAL EROSION. SEDIMENTATION AND STABILITY ARE NOT A PROBLEM AND LOCATION CONSTRUCTION SHOULDN'T CAUSE ANY INCREASE IN STABILITY OR EROSION PROBLEMS.

PALEONTOLOGICAL POTENTIAL: NONE SITED.

**RESERVE PIT:**

CHARACTERISTICS: 80' BY 40' AND EIGHT FOOT DEEP.

LINER REQUIREMENTS (Site Ranking Form attached): A 12 MIL LINER WILL BE REQUIRED FOR RESERVE PIT.

**SURFACE RESTORATION/RECLAMATION PLAN:**

AS PER LANDOWNER AGREEMENT.

**SURFACE AGREEMENT:** NO.

**CULTURAL RESOURCES/ARCHAEOLOGY:** SITE IS ON FEE LAND.

**OTHER OBSERVATIONS/COMMENTS:**

THE PRE-DRILL INVESTIGATION TOOK PLACE ON A COOL, CLEAR DAY.

**ATTACHMENTS:**

PHOTOS OF SITE WILL BE PLACED ON FILE.

DAVID W. HACKFORD  
DOGM REPRESENTATIVE

2/12/2001 -10:30 AM  
DATE/TIME

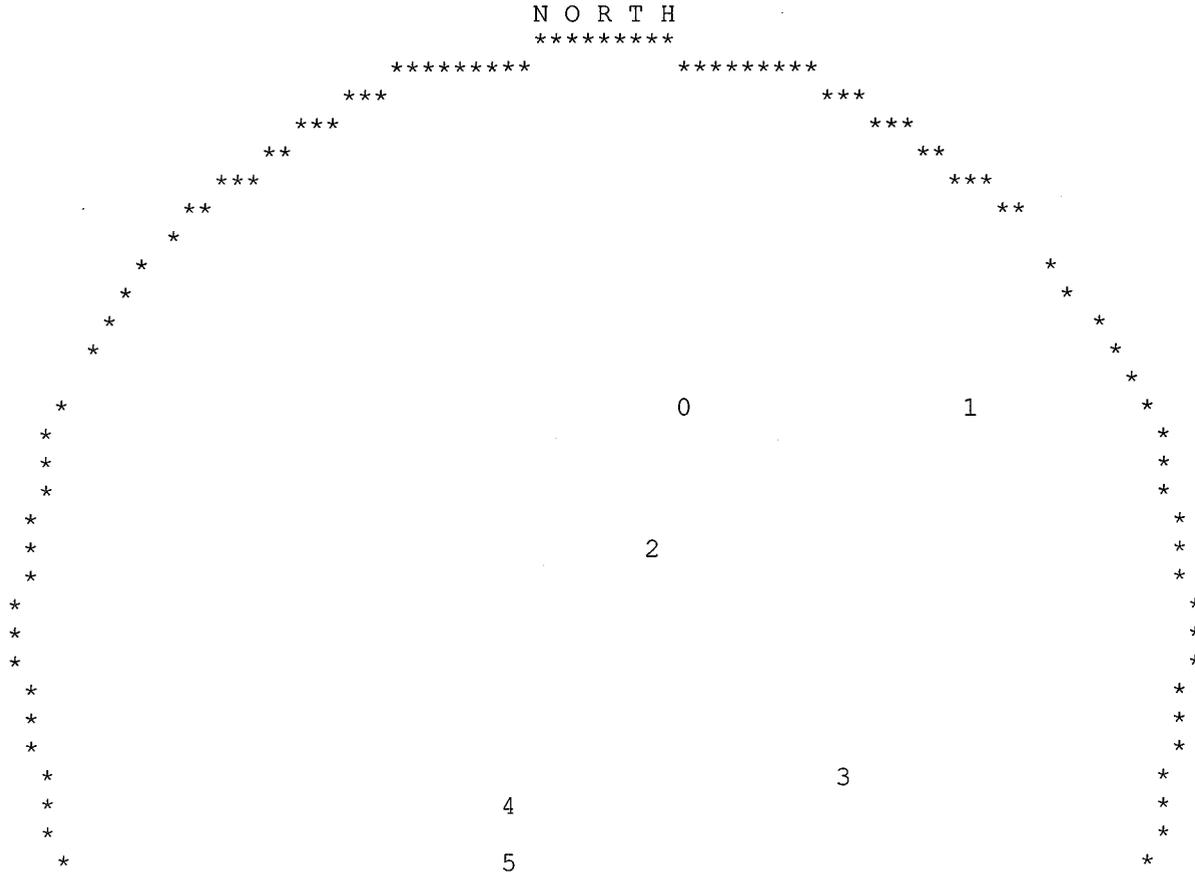
**Evaluation Ranking Criteria and Ranking Score  
For Reserve and On-site Pit Liner Requirements**

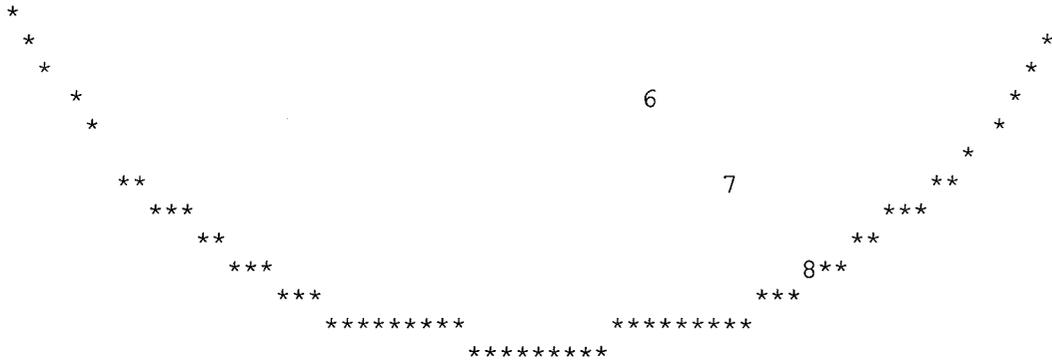
<u>Site-Specific Factors</u>	<u>Ranking</u>	<u>Site Ranking</u>
<b>Distance to Groundwater (feet)</b>		
>200	0	
100 to 200	5	
75 to 100	10	
25 to 75	15	
<25 or recharge area	20	<u>5</u>
<b>Distance to Surf. Water (feet)</b>		
>1000	0	
300 to 1000	2	
200 to 300	10	
100 to 200	15	
< 100	20	<u>0</u>
<b>Distance to Nearest Municipal Well (feet)</b>		
>5280	0	
1320 to 5280	5	
500 to 1320	10	
<500	15	<u>0</u>
<b>Distance to Other Wells (feet)</b>		
>1320	0	
300 to 1320	10	
<300	20	<u>0</u>
<b>Native Soil Type</b>		
Low permeability	0	
Mod. permeability	10	
High permeability	20	<u>20</u>
<b>Fluid Type</b>		
Air/mist	0	
Fresh Water	5	
TDS >5000 and <10000	15	
TDS >10000 or Oil Base	20	
Mud Fluid containing high levels of hazardous constituents		<u>5</u>
<b>Drill Cuttings</b>		
Normal Rock	0	
Salt or detrimental	10	<u>0</u>
<b>Annual Precipitation (inches)</b>		
<10	0	
10 to 20	5	
>20	10	<u>0</u>
<b>Affected Populations</b>		
<10	0	
10 to 30	6	
30 to 50	8	
>50	10	<u>0</u>
<b>Presence of Nearby Utility Conduits</b>		
Not Present	0	
Unknown	10	
Present	15	<u>0</u>
<b>Final Score</b>		<u>30</u>

UTAH DIVISION OF WATER RIGHTS  
WATER RIGHT POINT OF DIVERSION PLOT CREATED TUE, FEB 13, 2001, 8:00 AM  
PLOT SHOWS LOCATION OF 14 POINTS OF DIVERSION

PLOT OF AN AREA WITH A RADIUS OF 10000 FEET FROM A POINT  
FEET, FEET OF THE CT CORNER,  
SECTION 21 TOWNSHIP 11S RANGE 25E SL BASE AND MERIDIAN

PLOT SCALE IS APPROXIMATELY 1 INCH = 4000 FEET





UTAH DIVISION OF WATER RIGHTS  
 NWPLAT POINT OF DIVERSION LOCATION PROGRAM

MAP CHAR	WATER RIGHT	QUANTITY CFS	AND/OR AC-FT	SOURCE DIAMETER	DESCRIPTION or WELL INFO DEPTH	YEAR LOG	POINT OF DIVERSION NORTH	DESCRIPTION EAST	CNR	SEC	TWN	RNG	B&M
0	<u>49 1587</u>	.0000	1.93	6	100 - 500		N 1200	W 1320	SE 16	11S	25E	SL	
		WATER USE(S): OTHER Anschutz Exploration Corp. 555 Seventeenth Street PRIORITY DATE: 10/26/1999 Denver											
1	<u>49 1586</u>	.0000	1.93	6	100 - 500		N 1121	W 1735	SE 15	11S	25E	SL	
		WATER USE(S): OTHER Anschutz Exploration Corp. 555 Seventeenth Street PRIORITY DATE: 10/26/1999 Denver											
2	<u>49 1588</u>	.0000	1.93	6	100 - 500		S 1000	W 1800	NE 21	11S	25E	SL	
		WATER USE(S): OTHER Anschutz Exploration Corp. 555 Seventeenth Street PRIORITY DATE: 10/26/1999 Denver											
3	<u>49 1557</u>	.0000	2.00	6	100 - 500	<u>N</u>	N 465	E 1363	SW 22	11S	25E	SL	
		WATER USE(S): OTHER Anschutz Exploration Corporation 555 Seventeenth Street PRIORITY DATE: 05/01/1999 Denver											
3	<u>49 1614</u>	.0000	2.00	6	750	<u>Y</u>	N 465	E 1363	SW 22	11S	25E	SL	

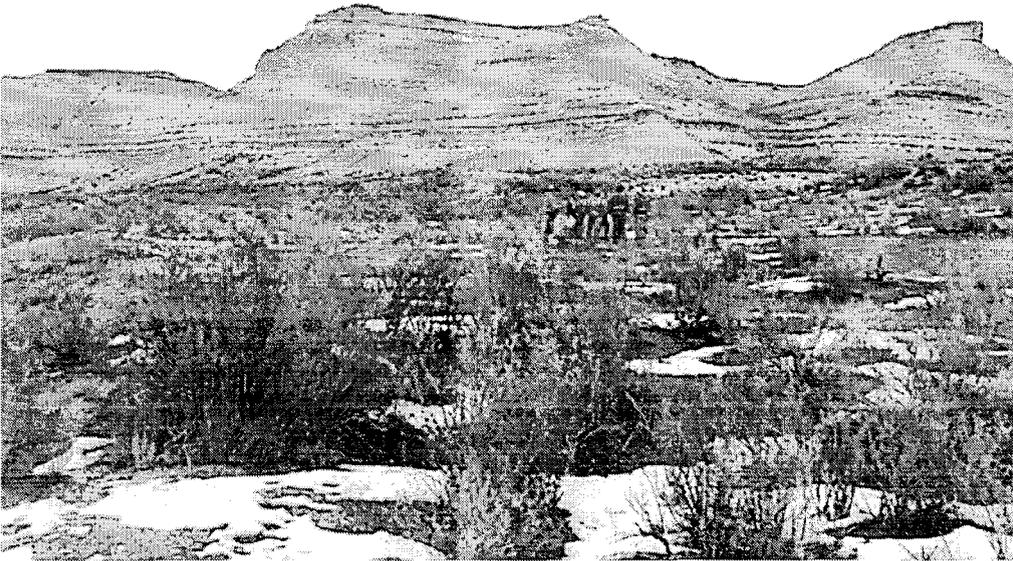
		WATER USE(S): OTHER														PRIORITY DATE: 06/17/199		
		Cliffs Synfuel Corporation														Rifle		
3	<u>49 1639</u>	.0000	48.00	6		750	1995	Y	N	465	E	1363	SW 22	11S	25E	SL		
		WATER USE(S): OTHER														PRIORITY DATE: 01/27/200		
		Cliffs Synfuel Corp.														Rifle		
4	<u>49 1644</u>	.0000		1.00	Evacuation Creek						S	300	E	1082	NW 28	11S	25E	SL
		WATER USE(S): OTHER														PRIORITY DATE: 12/07/200		
		Wagner Engineering L.L.C.														Littleton		
5	<u>49 113</u>	.0000	250000.00		White River & Tributaries						S	1274	E	1045	NW 28	11S	25E	SL
		WATER USE(S): DOMESTIC MINING POWER														PRIORITY DATE: 05/19/196		
		State of Utah Board of Water Resources														Salt Lake City		
5	<u>49 304</u>	.0000	105000.00		White River & tributaries						S	1274	E	1045	NW 28	11S	25E	SL
		WATER USE(S): DOMESTIC POWER OTHER														PRIORITY DATE: 05/19/196		
		State of Utah Board of Water Resources														Salt Lake City		
5	<u>49 1272</u>	.0000	1500.00		White River & Tribs. & Undergr						S	1274	E	1045	NW 28	11S	25E	SL
		WATER USE(S): DOMESTIC OTHER														PRIORITY DATE: 05/19/196		
		State of Utah Board of Water Resources														Salt Lake City		
6	<u>49 905</u>	.0000	.00		Evacuation Creek											PRIORITY DATE: 00/00/190		
		WATER USE(S): STOCKWATERING OTHER														Salt Lake City		
		USA Bureau of Land Management														2370 South 2300 West		
6	<u>49 905</u>	.0000	.00		Evacuation Creek											PRIORITY DATE: 00/00/190		
		WATER USE(S): STOCKWATERING OTHER														Salt Lake City		
		USA Bureau of Land Management														2370 South 2300 West		
7	<u>49 904</u>	.0000	.00		Evacuation Creek											PRIORITY DATE: 00/00/190		
		WATER USE(S): STOCKWATERING OTHER														Salt Lake City		
		USA Bureau of Land Management														2370 South 2300 West		
8	<u>49 1115</u>	.0000	.00		Three Mile Canyon Wash											PRIORITY DATE: 00/00/186		
		WATER USE(S): STOCKWATERING OTHER														Salt Lake City		
		USA Bureau of Land Management														2370 South 2300 West		

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Well name: **02-01 Dominion AHO 12-21**  
 Operator: **Dominion**  
 String type: **Surface**  
 Location: **Uintah**  
 Project ID: **43-047-33935**

**Design parameters:**

**Collapse**  
 Mud weight: 8.330 ppg  
 Design is based on evacuated pipe.

**Minimum design factors:**

**Collapse:**  
 Design factor 1.125

**Environment:**

H2S considered? No  
 Surface temperature: 65 °F  
 Bottom hole temperature: 70 °F  
 Temperature gradient: 1.40 °F/100ft  
 Minimum section length: 350 ft

**Burst**

Max anticipated surface pressure: 0 psi  
 Internal gradient: 0.468 psi/ft  
 Calculated BHP 164 psi  
  
 No backup mud specified.

**Burst:**  
 Design factor 1.00

Cement top: Surface

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

Non-directional string.

Tension is based on air weight.  
 Neutral point: 306 ft

**Re subsequent strings:**  
 Next setting depth: 5,000 ft  
 Next mud weight: 9.000 ppg  
 Next setting BHP: 2,338 psi  
 Fracture mud wt: 19.250 ppg  
 Fracture depth: 350 ft  
 Injection pressure 350 psi

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Est. Cost (\$)
1	350	8.625	24.00	K-55	ST&C	350	350	7.972	<del>2305</del>
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	151	1370	9.05	164	2950	18.03	8.4	263	31.31 J

Prepared by: R.A.McKee  
 Utah Dept. of Natural Resources

Date: February 12, 2001  
 Salt Lake City, Utah

ENGINEERING STIPULATIONS: ~~NONE~~ *comment to see on SFZ & PROD CASING*  
 Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.  
 Collapse is based on a vertical depth of 350 ft, a mud weight of 8.33 ppg. The casing is considered to be evacuated for collapse purposes.  
 Burst strength is not adjusted for tension.

Well name: **02-01 Dominion AHO 12-21**  
 Operator: **Dominion**  
 String type: **Production**  
 Location: **Uintah**  
 Project ID: **43-047-33935**

**Design parameters:**  
**Collapse** *9.0 #/gal*  
 Mud weight: *9.700 ppg*  
 Design is based on evacuated pipe.

**Minimum design factors:**  
**Collapse:**  
 Design factor 1.125

**Environment:**  
 H2S considered? No  
 Surface temperature: 65 °F  
 Bottom hole temperature: 135 °F  
 Temperature gradient: 1.40 °F/100ft  
 Minimum section length: 350 ft

**Burst**  
 Max anticipated surface pressure: 0 psi  
 Internal gradient: 0.504 psi/ft  
 Calculated BHP 5,744 psi  
 No backup mud specified.

**Burst:**  
 Design factor 1.00

Cement top: 3,868 ft  
*Based on 5000' section depth.*

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

Non-directional string. *w/ 15% wash-out*

Tension is based on air weight.  
 Neutral point: 9,744 ft

*Assumed*  
*CONFIRMED VIA DIANNE FLOWER 2/12/01*

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Est. Cost (\$)
1	5000	5.5	17.00	N-80	LT&C	5000	5000	4.767	28482
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	2338	6290	2.69	2338	7740	3.31	85	348	4.09 J

Prepared by: R.A.McKee  
 Utah Dept. of Natural Resources

Date: February 12, 2001  
 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 5000 ft, a mud weight of 9 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.

ITEM #4 CASING THREAD TYPE FOR 5 1/2"?

SETTING DEPTH FOR 5 1/2" ?  
APD FACE PAGE 3200  
ITEM #4 4000  
REVISIONS 5000 \*

\* IF @ 5000' THEN CEMENT WONT REACH SF,  
∴ STOP FOR LONG STRING AS BASE OF  
10,000ppm WATER I 5500' DRILLED DEPTH, I.E.  
ALL (ENTIRE) HOLE IS POTENTIAL FRESH.

02-01 Dominion AHO 12-21

Casing Schematic

Surface

8-5/8"  
MW 8.3  
Frac 19.3

TOC @  
0.

w/ 18% WASH-OUT

Surface  
350. MD

TOC'  
883

DOMINION ASSUMES  
25% EXCESS

BOP

$$\begin{array}{r}
 .052 (9.0) 5000 = 2340 \\
 .12 (5000) < 600 > \\
 \hline
 \underline{1740}
 \end{array}$$

∴ 3M STACK ADEQUATE  
RAM<sup>5000</sup>

TOC @  
1864.

~ w/15% WASH-OUT

5-1/2"  
MW 9.

Production  
5000. MD

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

5. LEASE DESIGNATION AND SERIAL NUMBER:  
FEE

SUNDRY NOTICES AND REPORTS ON WELLS

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

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.

7. UNIT or CA AGREEMENT NAME:

8. WELL NAME and NUMBER:  
CLIFFS 12-21

9. API NUMBER:  
43-047-33935

10. FIELD AND POOL, OR WILDCAT:  
1

1. TYPE OF WELL OIL WELL  GAS WELL  OTHER \_\_\_\_\_

2. NAME OF OPERATOR:  
DOMINION EXPLORATION & PRODUCTION INC

3. ADDRESS OF OPERATOR:  
1450 POYDRAS STREET

PHONE NUMBER:  
(504) 593-7000

4. LOCATION OF WELL  
FOOTAGES AT SURFACE: ~~2009 FSL 751 FWL~~ 2027 FSL 798 FWL

COUNTY: UINTAH

STATE: UTAH

5. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NW/SW 21-11S-25E Salt Lake

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 type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input checked="" 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.

Per operator request that well name be changed from AHO 12-21 to the Cliffs 12-21

RECEIVED

FEB 12 2001

DIVISION OF  
OIL, GAS AND MINING

NAME (PLEASE PRINT) Daniel W. Prorok TITLE Agent/Dominion Exploration & Production Inc

SIGNATURE *Daniel W. Prorok* DATE 2/12/01

002

THOMAS W. BACHTELL  
A. JOHN DAVIS, III  
JOHN W. ANDERSON  
FREDERICK M. MACDONALD  
GEORGE S. YOUNG  
ANGELA L. FRANKLIN  
JOHN S. FLITTON  
MICHAEL S. JOHNSON  
WILLIAM E. WARD

LAW OFFICES  
**PRUITT, GUSHEE & BACHTELL**

SUITE 1850 BENEFICIAL LIFE TOWER  
SALT LAKE CITY, UTAH 84111-1495  
(801) 531-8446  
TELECOPIER (801) 531-8468  
E-MAIL: mail@pgblaw.com

SENIOR COUNSEL:  
ROBERT G. PRUITT, JR.  
OLIVER W. GUSHEE, JR.

OF COUNSEL:  
ROBERT G. PRUITT, III  
BRENT A. BOHMAN

February 13, 2001

**HAND DELIVERED**

John Baza, Associate Director  
Division of Oil, Gas & Mining  
1594 West North Temple  
Salt Lake City, Utah 84114

Re: Surface Owner Consent; Cliffs #12-21 Well, Sec. 21,  
T.11S., R.25E., SLM

Dear Mr. Baza:

Enclosed please find a letter dated February 13, 2001 from the President of Cliffs Synfuel Corp. to Dominion Exploration & Production, Inc. which grants surface access for the above referenced well. You previously indicated to me that a letter such as the enclosed would assist in processing the paperwork for drilling this well. If additional documentation or information is required, please advise me at your earliest convenience. Thank you for your cooperation in this matter.

Very truly yours,



Thomas W. Bachtell

TWB:ct  
0936.00  
cc: Stephen Case, Senior Landman

**RECEIVED**

FEB 13 2001

DIVISION OF  
OIL, GAS AND MINING



**The Cleveland-Cliffs Iron Company**  
Subsidiary of Cleveland-Cliffs Inc

PO. BOX 1211

818 Taughenbaugh Boulevard

Rifle, Colorado 81650

Phone: 970-625-2445

Fax: 970-625-2448

February 13, 2001

Dominion Exploration & Production, Inc.  
16945 Northchase Drive, Suite 1750  
Houston, Texas 77060-2133

Gentlemen,

Cliffs Synfuels Corp. hereby grants Dominion Exploration & Production, Inc. permission to enter onto land owned by Cliffs Synfuel Corp. located in the SW  $\frac{1}{4}$  of Section 21, Township 11 South, Range 25 East, S.L.B. & M., Uintah County, Utah, to construct an access road and well site, and drill their Cliffs #12-21 well. Cliffs and Dominion are negotiating, in good faith, a surface-use agreement for this drill site. This letter allows Dominion to proceed with their site construction and drilling prior to both parties signing that agreement.

It is understood that reclamation of the disturbed area will, as a minimum, meet State of Utah requirements. Dominion has agreed to assume all liabilities related to their work, and the work of their contractors and agents, and assures Cliffs that they have adequate insurance policies in effect to protect Cliffs as the lessor of the surface lands. Dominion has agreed to comply with all applicable State and Federal employment laws and pertinent environmental laws that might relate to the work to be performed on Cliffs' lands.

Very truly yours,

Gary D. Aho  
President  
Cliffs Synfuel Corp.

**RECEIVED**

FEB 13 2001

DIVISION OF  
OIL, GAS AND MINING

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

FORM 3

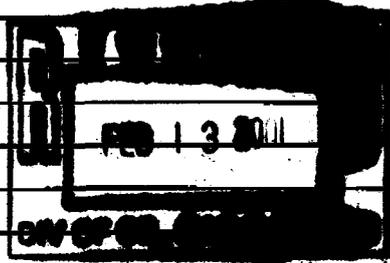
AMENDED REPORT   
(highlight changes)

001

<b>APPLICATION FOR PERMIT TO DRILL</b>		5. LEASE DESIGNATION AND SERIAL NUMBER: <i>FEE - Cliffs Syntfuel Corp.</i>
1A. TYPE OF WORK: DRILL <input checked="" type="checkbox"/> REENTER <input type="checkbox"/> DEEPEN <input type="checkbox"/>	6. IF 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"/>	7. UNIT or CA AGREEMENT NAME:	
2. NAME OF OPERATOR: <i>DOMINION EXPLORATION &amp; PRODUCTION, INC.</i>		8. WELL NAME and NUMBER: <i>CLIFFS 12-21</i>
3. ADDRESS OF OPERATOR: <i>16945 NORTHCHASE DRIVE, SUITE 1760 HOUSTON, TEXAS 77060</i>	PHONE NUMBER: <i>(281) 873-3692</i>	9. FIELD AND POOL OR WILDCAT: <i>WILDCAT</i>
4. LOCATION OF WELL (FOOTAGES) AT SURFACE: <i>798' FWL &amp; 2027' FSL</i> AT PROPOSED PRODUCING ZONE: <i>4412132N 660055E</i>		10. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: <i>NW-NW of Sec. 21-T11S-R25E NWSW</i>
13. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE: <i>15.5 miles South from Bonanza</i>		11. COUNTY: <i>UINTAH</i> 12. STATE: <i>UTAH</i>
14. DISTANCE TO NEAREST PROPERTY OR LEASE LINE (FEET) <i>798'</i>	15. NUMBER OF ACRES IN LEASE: <i>1800</i>	16. NUMBER OF ACRES ASSIGNED TO THIS WELL: <i>40</i>
17. DISTANCE TO NEAREST WELL (DRILLING, COMPLETED, OR APPLIED FOR) ON THIS LEASE (FEET) <i>6500'</i>	18. PROPOSED DEPTH: <i>5000'</i>	19. BOND DESCRIPTION: <i>#76S 63050 361</i>
20. ELEVATIONS (SHOW WHETHER DF, RT, GR, ETC.): <i>GR: 5527'</i>	21. APPROXIMATE DATE WORK WILL START: <i>February 14, 2001</i>	22. ESTIMATED DURATION: <i>7 days</i>

23. **PROPOSED CASING AND CEMENTING PROGRAM**

SIZE OF HOLE	CASING SIZE, GRADE, AND WEIGHT PER FOOT	SETTING DEPTH	CEMENT TYPE, QUANTITY, YIELD, AND SLURRY WEIGHT
<i>12-1/4"</i>	<i>8-5/8"; K-55; 24#</i>	<i>+/- 350'</i>	<i>CEMENT TO SURFACE</i>
<i>7-7/8"</i>	<i>5-1/2"; N-80; 17#</i>	<i>+/- 5000'</i>	<i>CEMENT TO SURFACE</i>



24. **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

**CONFIDENTIAL**

NAME (PLEASE PRINT) DAVID L. LINGER TITLE MANAGER, ONSHORE DRILLING

SIGNATURE *David L. Linger* DATE February 13, 2001

(This space for State use only)

API NUMBER ASSIGNED: 43047-33935

APPROVAL:

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

Date: 02-14-01

By: *[Signature]*

T11S, R25E, S.L.B.&M.

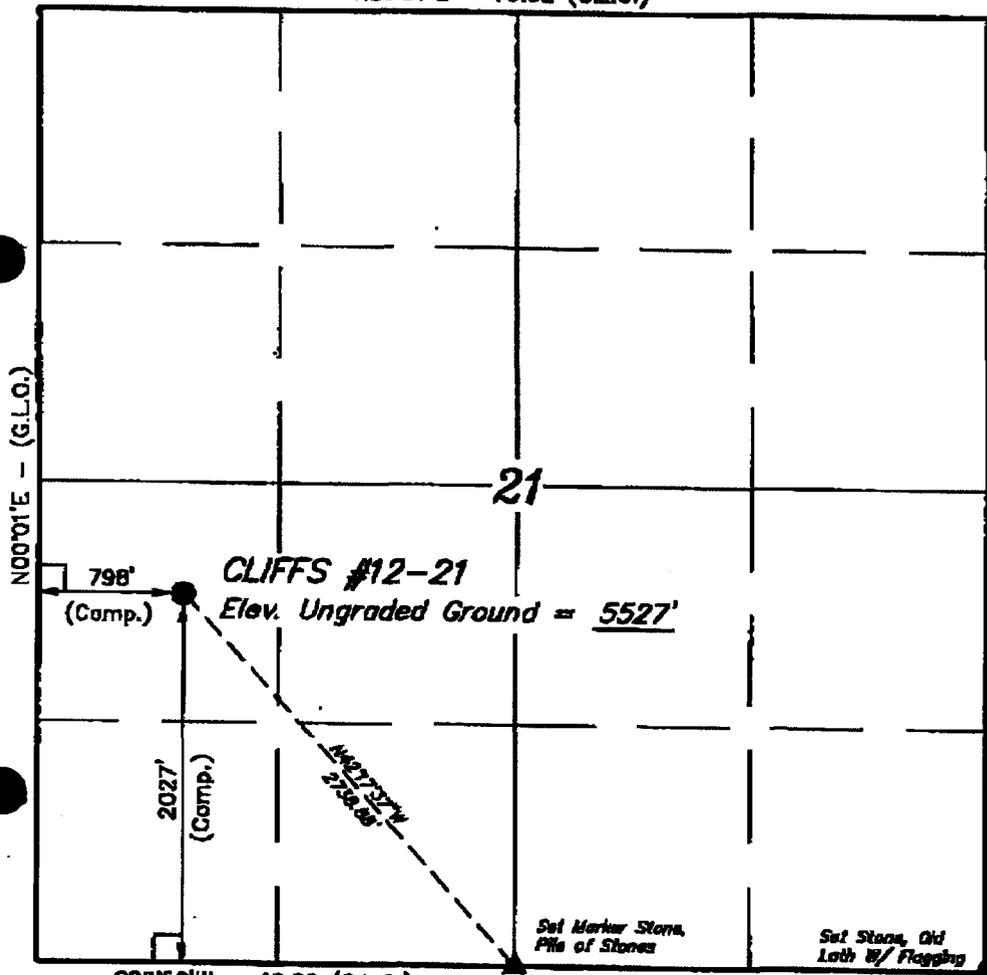
**DOMINION EXPLR. & PROD., INC.**  
 Well location, CLIFFS #12-21, located as shown  
 in the NW 1/4 NW 1/4 of Section 21, T11S,  
 R25E, S.L.B.&M. Uintah County Utah.

T-822 P. 003/012 F-822

From-DOMINION EP MERGERS ACQ

Feb-13-2001 11:15am

N89°57'E - 79.92 (G.L.O.)



21

**CLIFFS #12-21**  
 Elev. Ungraded Ground = 5527'

798'  
 (Comp.)

2027'  
 (Comp.)

2138.89'

Set Marker Stone,  
 Pile of Stones

Set Stone, Old  
 Lath W/ Flagging

S89°59'W - 40.02 (G.L.O.)

N89°59'E - G.L.O. (Basis of Bearings)  
 2620.27' - (Measured)

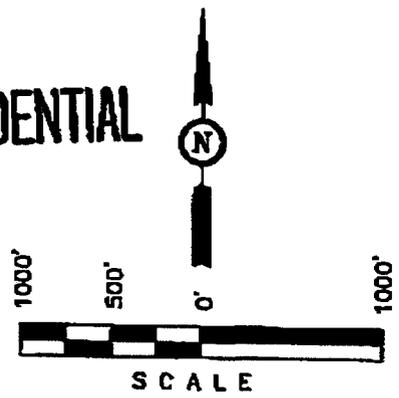
- LEGEND:**
- └─┘ = 90° SYMBOL
  - = PROPOSED WELL HEAD.
  - ▲ = SECTION CORNERS LOCATED.

LATITUDE = 39°50'45"  
 LONGITUDE = 109°07'46"

**BASIS OF ELEVATION**

BENCH MARK (V61) LOCATED NEAR ROAD IN THE SE 1/4 OF SECTION 21, T11S, R25E, S.L.B.&M. TAKEN FROM THE DRAGON QUADRANGLE, UTAH-COLORADO, 7.5 MINUTE QUAD. (TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 5590 FEET.

**CONFIDENTIAL**



**CERTIFICATE**

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

*Robert L. Kay*  
 REGISTERED LAND SURVEYOR  
 REGISTRATION NO. 161316  
 STATE OF UTAH

Revised: 02-12-01 D.R.B.

<b>UINTAH ENGINEERING &amp; LAND SURVEYING</b>		
85 SOUTH 200 EAST - VERNAL, UTAH 84078		
(435) 789-1017		
SCALE 1" = 1000'	DATE SURVEYED: 02-08-01	DATE DRAWN: 02-09-01
PARTY G.S. T.A. D.R.B.	REFERENCES G.L.O. PLAT	
WEATHER COLD	FILE DOMINION EXPLR. & PROD., INC.	

02/13/01 10:49 FAX 801/881813

U.B.L.S., INC.

02

004

Dominion Expl. & Prod., Inc  
16945 Northchase Drive, Suite 1750  
Houston, Texas 77060

facsimile transmission

To: Lisha Cordova Fax: 801-359-3940

---

From: Diann Flowers Date: 02/09/2001 *2/13/01*

---

Re: ~~AHO~~ 12-21 Permit Application Pages: 13 with cover

---

CC: Fred McDonald, Dave Linger, Dick Easterwood, Steven Case

Urgent     For Review     Please Comment     Please Reply     Please Recycle

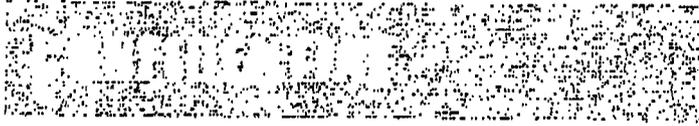


Enclosed is a complete permit application for the AHO 12-21 well. The original will be overnighted to your office via overnight mail on Monday. As I stated in our telephone conversation today, we would greatly appreciate your efforts in expediting this application. I understand that an on-site visit with State personnel will take place on Monday. I will have that information faxed to you immediately upon receipt and will overnight the original. Thank you in advance for your prompt assistance and cooperation in this matter. Call me at 281-873-3692 with any questions or concerns.

*Note - Lisha - permit TD is 5000'. Thanks.*

*2/13 - Need plat + APD + 13 point plan originals in mail -*

*Diann  
Total 12 pages*



Revised November 1990

Date NOS Received:

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

Company/Operator: Dominion Exploration & Production, Inc.

Well Name & Number: CLIFFS 12-21

Lease Number: FEE - Cliffs Synfuel Corp.

Location: NW NW Sec. 21 T. 11S R. 25E

Surface Ownership: Cliffs Synfuel Corp.

**NOTIFICATION REQUIREMENTS**

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

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

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**B. THIRTEEN POINT SURFACE USE PROGRAM:**Multipoint Requirement to Accompany APD

1. Existing Roads - describe the following and provide a legible map, labeled and showing:
  - a. Proposed wellsite as staked and access route to location, including distances from point where access route exists establish roads. (Actual staking should include tow directional reference stakes.) The proposed well site is located approximately 15.5 miles South of Bonanza, Utah.
  - b. Route and distance from nearest town or locatable reference point, such as a highway or county road, to where well access route leaves main road. - From Vernal, proceed South on Bonanza Road about 40 miles to Bonanza. From Bonanza continue South on Bonanza Road for about 14 miles and turn left on Evacuation Creek Road. Continue southwest for approximately 1.3 miles and turn right on access road.
  - c. Access road(s) to location color-coded or labeled. (See Topographic Map A & B for details.)
  - d. Plans for improvement and/or maintenance of existing roads. (Appropriate rights-of-way for off lease roads should be attached.)
2. Planned Access Roads—describe the following and provide a map of suitable scale indicating all necessary access roads (permanent and temporary) to be constructed or reconstructed, showing:
  - a. Length - 0.2 miles
  - b. Width - 30 foot right-of-way with 18 foot running surface maximum.
  - c. Maximum grades - None
  - d. Turnouts - None
  - e. Drainage design - Dry Creek
  - f. Location and size of culverts and/or bridges, and brief description of any major cuts and fills - 48" diameter culvert will be in the access road 100 yards East of the location
  - g. Surfacing material (source) - None
  - h. Necessary gates, cattleguards, or fence cuts and/or modification to existing facilities - A gate will be installed at the beginning of the access road.  
(New or reconstructed roads are to be centerline-flagged at time of location staking.)

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

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

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

Right-of-Way Application needed: Yes – the well and road are on private land.

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

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

- a. Water wells – None
- b. Abandoned wells – None
- c. Temporarily abandoned wells - None
- d. Disposal wells - None
- e. Drilling wells - None
- f. Producing wells – None
- g. Shut-in wells – None
- h. Injection wells - None

4. Location of Existing and/or Proposed Facilities

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

- (1) Tank batteries
- (2) Production facilities
- (3) Oil gathering lines
- (4) Gas gathering lines – (See exhibit D)
- (5) Injection lines
- (6) Disposal lines
- (7) Surface pits - After the well is hydraulically fraced, the well will be flowed back into the surface pits. After first production, a 300 bbl tank will be installed to contain produced waste water. Plans are to run a 2" line from the separator to the 300 bbl tank.

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

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

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

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

If storage facilities/tank batteries are constructed on this lease, the facility/battery or the well pad shall be surrounded by a containment dike of sufficient capacity to contain, at a minimum, the entire content of the largest tank within the facility/battery, unless more stringent protective requirements are deemed necessary by the authorized officer.

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

The required paint color is Desert Brown.

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

5. Location and Type of Water Supply

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- a. Show location and type of water supply, either by 1/4, 1/4 section on a map or by written description Sec 32-T6S-R20E No. 43-9077
- b. State method of transporting water, and show any roads or pipelines needed.
- c. If water well is to be drilled on lease, so state.  
\*The operator will be responsible for acquiring the necessary permit to obtain water to be used for drilling activities.

6. Source of Construction Materials

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

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

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

7. Methods of Handling Waste Disposal

- a. Describe methods and location of proposed safe containment and disposal of each type of waste material, including:
- (1) Cuttings - bury in pit
  - (2) Sewage - haul to sewer lagoon
  - (3) Garbage (trash) and other waste material - haul to disposal
  - (4) Salts - not used
  - (5) Chemicals - non-toxic only; evaporate in pit

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

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

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

- c. No chemicals subject to reporting under SARA Title III (hazardous materials) in an amount greater than 10,000 pounds will be used, produced, stored, transported, or disposed of annually in association with the drilling, testing, or completing of wells with the NBU. Furthermore, extremely hazardous substances, as defined in 40 CFR 355, in threshold planning quantities, will not be used, produced, stored, transported, or disposed of in association with the drilling, testing, or completing of wells within the NBU. Specific APDs shall address any modifications from this policy.

On BLM administered lands:

**CONFIDENTIAL**

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

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

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

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

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

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

8. Ancillary Facilities

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

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

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

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

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

The stockpiled topsoil (first four inches) will be stored on the: at corner #6 Stake  
Access to the well pad will be from the: South

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

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

The drainage(s) shall be diverted around the \_\_\_\_\_ side(s) of the well pad location.

The reserve pit and/or pad location shall be constructed long and narrow for topographic reasons \_\_\_\_\_

The Northwest corner of the well pad will be rounded off to avoid the Old Rail Road track site.

Fencing Requirements

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

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

- e. All wire shall be stretched, by using a stretching device, before it is attached to the corner posts.

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

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

10. Plans for Restoration of Surface

CONFIDENTIAL

a. Producing Location

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

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

If a plastic nylon reinforced liner is used, it shall be torn and perforated before backfilling of the reserve pit.

The reserve pit and that portion of the location not needed for production facilities/operations will be recontoured to the approximate natural contours. The reserve pit will be reclaimed within 6 months from the date of well completion. Before any dirt work takes place, the reserve pit must be completely dry and all cans, barrels, pipe, etc., will be removed.

Contact appropriate surface management agency for required seed mixture.

b. Dry Hole/Abandoned Location

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

11. Surface Ownership:

Access Road: Cliffs Synfuel Corp. Location: Cliffs Synfuel Corp.

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

**CONFIDENTIAL****12. Other Additional Information**

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

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

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

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

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

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

**Additional Surface Stipulations**

- \_\_\_\_\_ No construction or drilling activities shall be conducted between and \_\_\_\_\_ because of \_\_\_\_\_
- \_\_\_\_\_ No surface occupancy will be allowed within 1,000 feet of any sage grouse strutting ground.
- \_\_\_\_\_ No construction or exploration activities are permitted within 1.5 mile radius of sage grouse strutting grounds from April 1 to June 30.
- \_\_\_\_\_ There shall be no surface disturbance within 600 feet of live water (includes stock tanks, springs, and guzzlers).
- \_\_\_\_\_ No cottonwood trees will be removed or damaged.

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

13. Lessee's or Operators Representative and Certification

Representative

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

**CONFIDENTIAL**

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

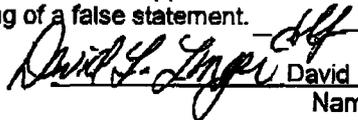
A complete copy of the approved APD and ROW grant, if applicable, shall be on location during construction of the location and drilling activities.

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

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

Certification:

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

February 13, 2001  David L. Linger, Onshore Drilling Manager  
Date Name and Title

Onsite Date: February 12, 2001

Participants on Joint Inspection

<u>Jim Sweat</u>	<u>Dominion Exploration &amp; Production, Inc.</u>
<u>Gary Streeter</u>	<u>Survey Chief, Uintah Engineering</u>
<u>Chuck White</u>	<u>Jackson Construction</u>
<u>Brent Stubbs</u>	<u>Stubbs Construction</u>
<u>David Hackford</u>	<u>Utah Division of Oil, Gas &amp; Mining</u>
<u>Gary Aho</u>	<u>President, Cliffs Synfuel Corp.</u>
<u>Craig Obermuller</u>	<u>Craigs Roustabout Service</u>
<u>Mitchiel Hall</u>	<u>Dominion Exploration &amp; Production, Inc.</u>

005

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

FORM 3

AMENDED REPORT   
(highlight changes)

<b>APPLICATION FOR PERMIT TO DRILL</b>		5. LEASE DESIGNATION AND SERIAL NUMBER: <i>FEE - Gary Aho surface owner</i>
1A. TYPE OF WORK: DRILL <input checked="" type="checkbox"/> REENTER <input type="checkbox"/> DEEPEN <input type="checkbox"/>		6. IF 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"/>		7. UNIT or CA AGREEMENT NAME:
2. NAME OF OPERATOR: <i>DOMINION EXPLORATION &amp; PRODUCTION, INC.</i>		8. WELL NAME and NUMBER: <del>AHO-12-21</del> <i>OHs 12-21</i>
3. ADDRESS OF OPERATOR: <i>16945 NORTHCHASE DRIVE, SUITE 1750 HOUSTON, TEXAS 77060</i>		9. FIELD AND POOL, OR WILDCAT: <i>WILDCAT</i>
4. LOCATION OF WELL (FOOTAGES) AT SURFACE: <del>751' FWL &amp; 2009' FSL</del> <i>801' FWL</i> AT PROPOSED PRODUCING ZONE: _____		10. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: <del>NW-NW</del> <i>of Sec. 21-T11S-R25E</i> <i>HWSW</i>
13. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE: <i>15.5 miles South from Bonanza</i>		11. COUNTY: <i>UINTAH</i> 12. STATE: <i>UTAH</i>
14. DISTANCE TO NEAREST PROPERTY OR LEASE LINE (FEET) <i>751'</i>	15. NUMBER PF ACRES IN LEASE: <i>1800</i>	16. NUMBER OF ACRES ASSIGNED TO THIS WELL: <i>40</i>
17. DISTANCE TO NEAREST WELL (DRILLING, COMPLETED, OR APPLIED FOR) ON THIS LEASE (FEET) <i>6500'</i>	18. PROPOSED DEPTH: <i>5000'</i>	19. BOND DESCRIPTION: <i>#76S 63050 361</i>
20. ELEVATIONS (SHOW WHETHER DF, RT, GR, ETC.): <i>GR: 5524'</i>	21. APPROXIMATE DATE WORK WILL START: <i>February 14, 2001</i>	22. ESTIMATED DURATION: <i>7 days</i>

*4412126 N  
660056 E*

*W. Ch. 2/13*

23. PROPOSED CASING AND CEMENTING PROGRAM			
SIZE OF HOLE	CASING SIZE, GRADE, AND WEIGHT PER FOOT	SETTING DEPTH	CEMENT TYPE, QUANTITY, YIELD, AND SLURRY WEIGHT
<i>12-1/4"</i>	<i>8-5/8"; K-55; 24#</i>	<i>+/- 350'</i>	<i>CEMENT TO SURFACE</i>
<i>7-7/8"</i>	<i>5-1/2"; N-80; 17#</i>	<i>+/- 3200'</i>	<i>CEMENT TO SURFACE</i>

24. 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 checked="" 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

**CONFIDENTIAL**

NAME (PLEASE PRINT) DAVID L. LINGER TITLE MANAGER, ONSHORE DRILLING

SIGNATURE *David L. Linger* DATE February 9, 2001

(This space for State use only)

API NUMBER ASSIGNED: 43-047-33935

APPROVAL:

**RECEIVED**

FEB 13 2001

DIVISION OF  
OIL, GAS AND MINING

T11S, R25E, S.L.B.&M.

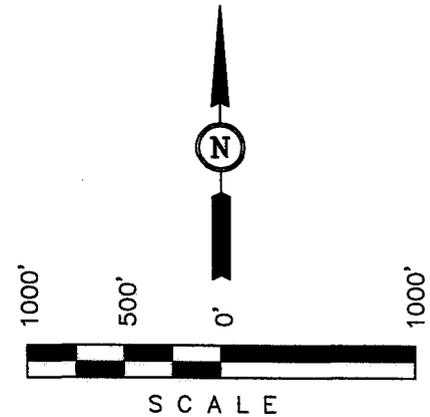
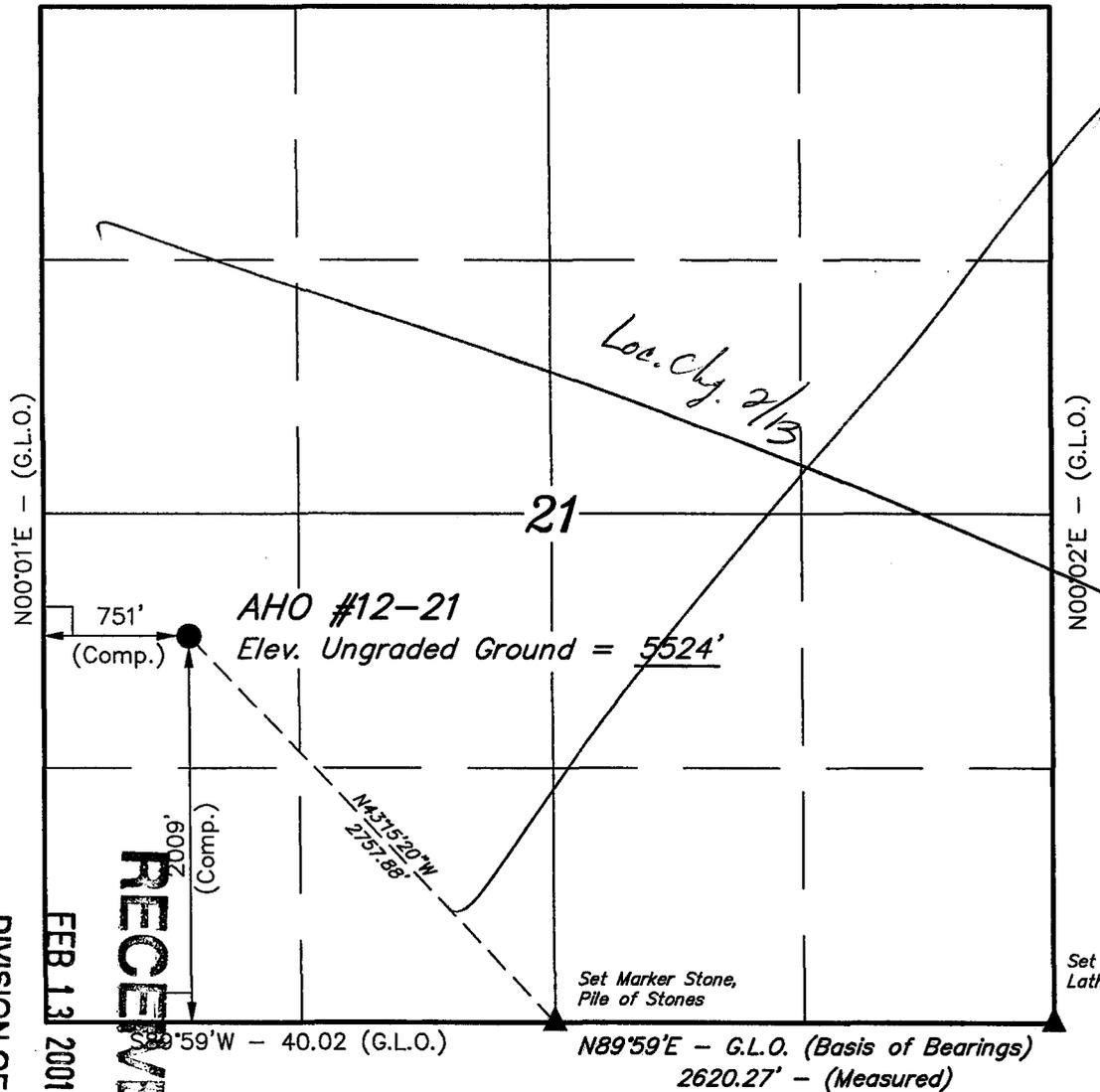
DOMINION EXPLR. & PROD., INC.

Well location, AHO #12-21, located as shown in the NW 1/4 NW 1/4 of Section 21, T11S, R25E, S.L.B.&M. Uintah County Utah.

N89°57'E - 79.92 (G.L.O.)

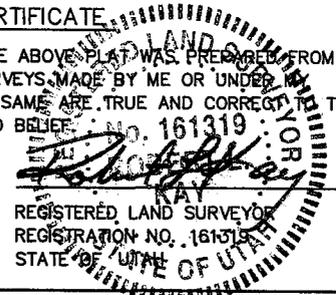
BASIS OF ELEVATION

BENCH MARK (V61) LOCATED NEAR ROAD IN THE SE 1/4 OF SECTION 21, T11S, R25E, S.L.B.&M. TAKEN FROM THE DRAGON QUADRANGLE, UTAH-COLORADO, 7.5 MINUTE QUAD. (TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 5590 FEET.



CERTIFICATE

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



Set Stone, Old Lath W/ Flagging

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

SCALE 1" = 1000'	DATE SURVEYED: 02-08-01	DATE DRAWN: 02-09-01
PARTY G.S. T.A. D.R.B.	REFERENCES G.L.O. PLAT	
WEATHER COLD	FILE DOMINION EXPLR. & PROD., INC.	

DIVISION OF OIL, GAS AND MINING

FEB 13 2001

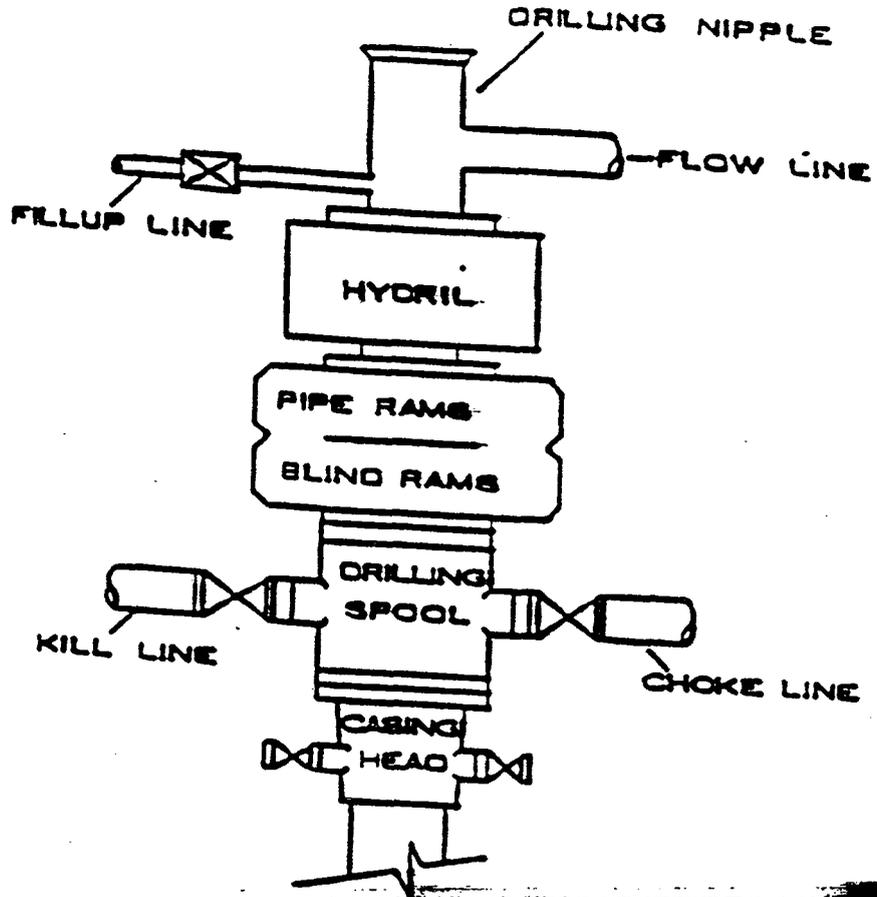
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LEGEND:

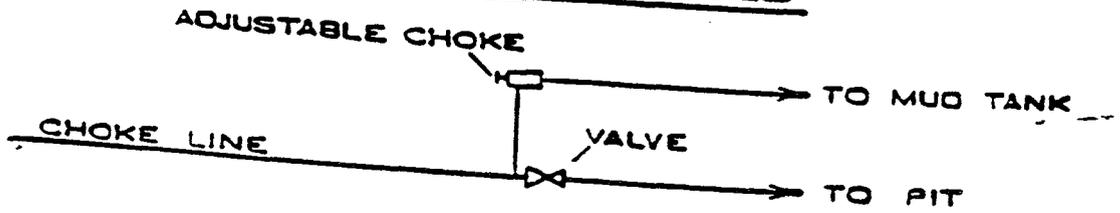
- └─┘ = 90° SYMBOL
- = PROPOSED WELL HEAD.
- ▲ = SECTION CORNERS LOCATED.

LATITUDE = 39°50'45"  
 LONGITUDE = 109°07'46"

BOP STACK



CHOKER MANIFOLD



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DIVISION OF  
OIL, GAS AND MINING

SELF-CERTIFICATION STATEMENT

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

Please be advised that **Dominion Expl. & Prod., Inc.** is considered to be the operator of Well No.12-21 , located in the NW ¼ SW ¼ of Section 21, T11S, R25E in Uintah County; Lease FEE – Gary Aho Surface Owner; and is responsible under the terms and conditions of the lease for the operations conducted upon the leased lands. Bond coverage is provided by *Travelers Casualty and Surety Company of America*, Bond #76S 63050 361.

\* Fee Bond # 275-900082-7 eff. 2-12-01.  
lc

  
David L. Linger  
Onshore Drilling Manager

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DIVISION OF  
OIL, GAS AND MINING

**DRILLING PLAN**  
**APPROVAL OF OPERATIONS**

February 9, 2001  
AHO 12-21

**Attachment for Permit to Drill**

**Name of Operator:** Dominion Exploration & Production, Inc.  
**Address:** Four Greenspoint Plaza  
16945 Northchase Drive, Suite 1750  
Houston, Texas 77060-2133

**CONFIDENTIAL**

**WELL LOCATION:** Well No. 12-21

Uintah, Utah

1. **GEOLOGIC SURFACE FORMATION**

Uintah

2. **ESTIMATE IMPORTANT GEOLOGIC MARKERS**

<u>Formation</u>	<u>Depth</u>
Wasatch	1,400'

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

<u>Formation</u>	<u>Depth</u>	<u>Remarks</u>
Wasatch	1,400'	Gas Zone

4. **PROPOSED CASING PROGRAM**

All casing used to drill this well will be new casing.  
8-5/8", 24#/ft, K-55, STC (Thread type) 0'-350' - Cemented to Surface  
5 1/2", 17#/ft, N-80, LTC (Thread type) 0'- 5,000' - Cemented to Surface

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

BOP stack has a 3,000 psi working pressure. BOP will be pressure tested to 3,000 psi before drilling casing cement plug. Pipe rams will be operated daily and blind rams as possible.

6. The well is to be drilled with a KCL mud system maintaining a weight of approximately 9#/gal.

7. An automatic igniter will not be installed on the blooie line.

8. A 90 degree bend on the blooie line, located approximately 50' from the wellhead on the pit side past the mud tank will be installed. Total length of the blooie line will remain 100' from the wellhead.

9. **AUXILIARY EQUIPMENT TO BE USED**

1. Kelly Cock.
2. Full opening valve on floor with DRILL PIPE connection for use when Kelly is not in string.

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DIVISION OF  
OIL, GAS AND MINING

**DRILLING PLAN**  
**APPROVAL OF OPERATIONS**

February 9, 2001  
AHO 12-21

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<u>Formation</u>	<u>Depth</u>	<u>Remarks</u>
Wasatch	1,400'	Gas Zone

4. **PROPOSED CASING PROGRAM**

All casing used to drill this well will be new casing.  
8-5/8", 24#/ft, K-55, STC (Thread type) 0'-350' - Cemented to Surface  
5 1/2", 17#/ft, N-80, (Thread type) 0'-4,000' - Cemented to Surface

LTFC  
RAM FROM DIANN FLOWERS  
2/12/01

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

BOP stack has a 3,000 psi working pressure. BOP will be pressure tested to 3,000 psi before drilling casing cement plug. Pipe rams will be operated daily and blind rams as possible.

6. The well is to be drilled with a KCL mud system maintaining a weight of approximately 9#/gal.
7. An automatic igniter will not be installed on the blooie line.
8. A 90 degree bend on the blooie line, located approximately 50' from the wellhead on the pit side past the mud tank will be installed. Total length of the blooie line will remain 100' from the wellhead.

9. **AUXILIARY EQUIPMENT TO BE USED**

1. Kelly Cock.
2. Full opening valve on floor with DRILL PIPE connection for use when Kelly is not in string.

Cl:As - AHO-12-21

Page 2  
**CONFIDENTIAL**

10. TESTING, LOGGING, AND CORING PROGRAMS TO BE FOLLOWED

Possible DST in Wasatch Tongue. The logging program will include Dual Lateral/GR log TD to Surface, Density/Neutron - TD - surface' possible dipmeter and rotary cores over selected intervals.

11. ANTICIPATED ABNORMAL PRESSURES OR TEMPERATURES EXPECTED

No normal pressures are anticipated nor is the area known for abnormal temperatures. The formations to be penetrated do not contain H<sub>2</sub>S gas. The anticipated bottom hole pressure is 1630 psi.

12. WATER SUPPLY

- A. Water to be used for drilling will be hauled. *Nebeber water hauler 43-10447*
- B. No pipelines are anticipated. Hauling will be on the road(s) shown in Attachment No. 3. *Sec. 9 83 26E*
- C. No water well is anticipated to be drilled at this time. *2/13/01 JC*

13. CEMENT SYSTEMS

SURFACE

Lead Slurry: +/-225 sks Class "G" cement, 2% CaCl<sub>2</sub> + .25lb. sk Flake mixed at 15.8 ppg. Yield 1.16 ft<sup>3</sup>/sk, water 4.96 gal/sk, excess 50%.

PRODUCTION

Tail Slurry: +/-550 sks Class G, 10% Gypsum, 3% Salt, .2% Retarder

14. ANTICIPATED STARTING DATE AND DURATION OF THE OPERATIONS

Starting Date: February 14, 2001  
Duration: 7 Days

SURFACE CASING CEMENT PROGRAM

Set 8 5/8" casing in 12 1/4" open hole cement to surface. Volume calculated using 75% excess.

SPACER:

Pump 20 bbls lightly gelled water followed by 5 bbls fresh H<sub>2</sub>O ahead of cement to water wet the well bore after air drilling. Displace with fresh water.

**CEMENT SYSTEM**

**CONFIDENTIAL**

± 225 sks Class G "Tail-In" Cement, 2% Cacl<sub>2</sub>, .25lb/sk Cello Flake.

Weight	15.80 lb/gal
Yield	1.16 ft <sup>3</sup> /sk
Water	4.96 gal/sk

Thickening Time at 118 degrees 1:42 minutes

Compressive Strength at 80 degrees	8 hrs 750 PSI
	16 hrs 1800 PSI
	24 hrs 2400 PSI

**CASING HARDWARE:**

- 1 Cement Guide Shoe
- 1 Insert Float
- 3 Centralizers
- 1 Stop Ring
- 1 Thread Lock
- 1 Top Wood Plug

**LONGSTRING CEMENT**

Set 5 1/2" casing in a 7 7/8" open hole.  
Volume calculated using 25% excess.

**SPACER:**

(KCL Mud System) 10 bbl water

Displace with 3% KCL water using .2% L-55 Clay Stabilizer.

**CEMENT SYSTEM**

Tail Slurry

± 550 sks Class G, 10% Gypsum, 3% Salt, .2% Retarder.

Weight	14.2 lb/gal
Yield	1.61 ft <sup>3</sup> /sk
Water	7.91 gal/sk

Thickening Time at 165 degrees BHCT	
Compressive Strength in 12 hrs	845 PSI
24 hrs	1470 PSI

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**FEB 13 2001**

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OIL, GAS AND MINING**

DOMINION EXPLR. & PROD., INC.

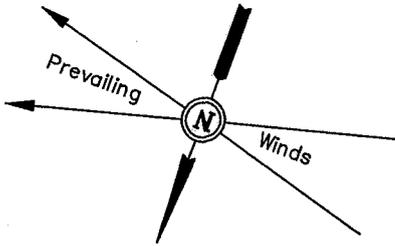
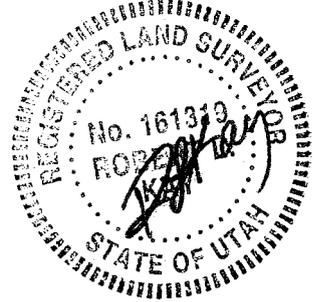
LOCATION LAYOUT FOR

AHO #12-21

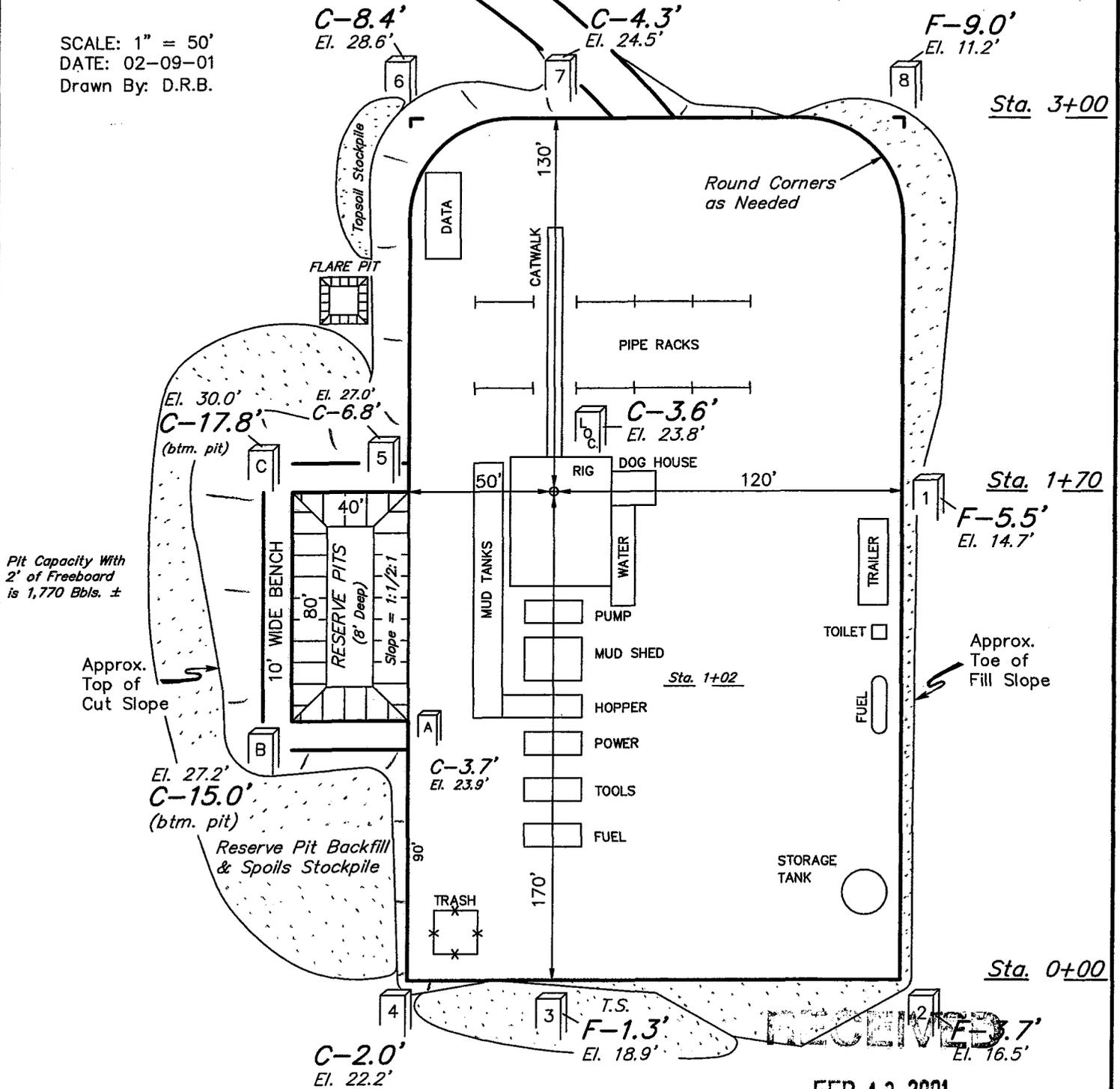
SECTION 21, T11S, R25E, S.L.B.&M.

2009' FSL 751' FWL

Proposed Access Road



SCALE: 1" = 50'  
DATE: 02-09-01  
Drawn By: D.R.B.



Pit Capacity With 2' of Freeboard is 1,770 Bbls. ±

Approx. Top of Cut Slope

Reserve Pit Backfill & Spoils Stockpile

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Elev. Ungraded Ground at Location Stake = 5523.8'  
Elev. Graded Ground at Location Stake = 5520.2'

DIVISION OF OIL, GAS AND MINING

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

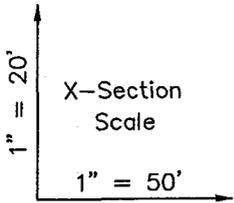
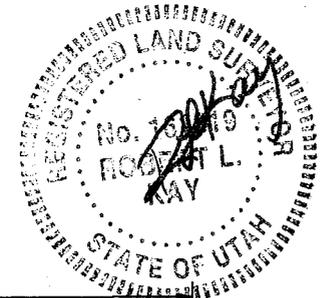
DOMINION EXPLR. & PROD., INC.

TYPICAL CROSS SECTIONS FOR

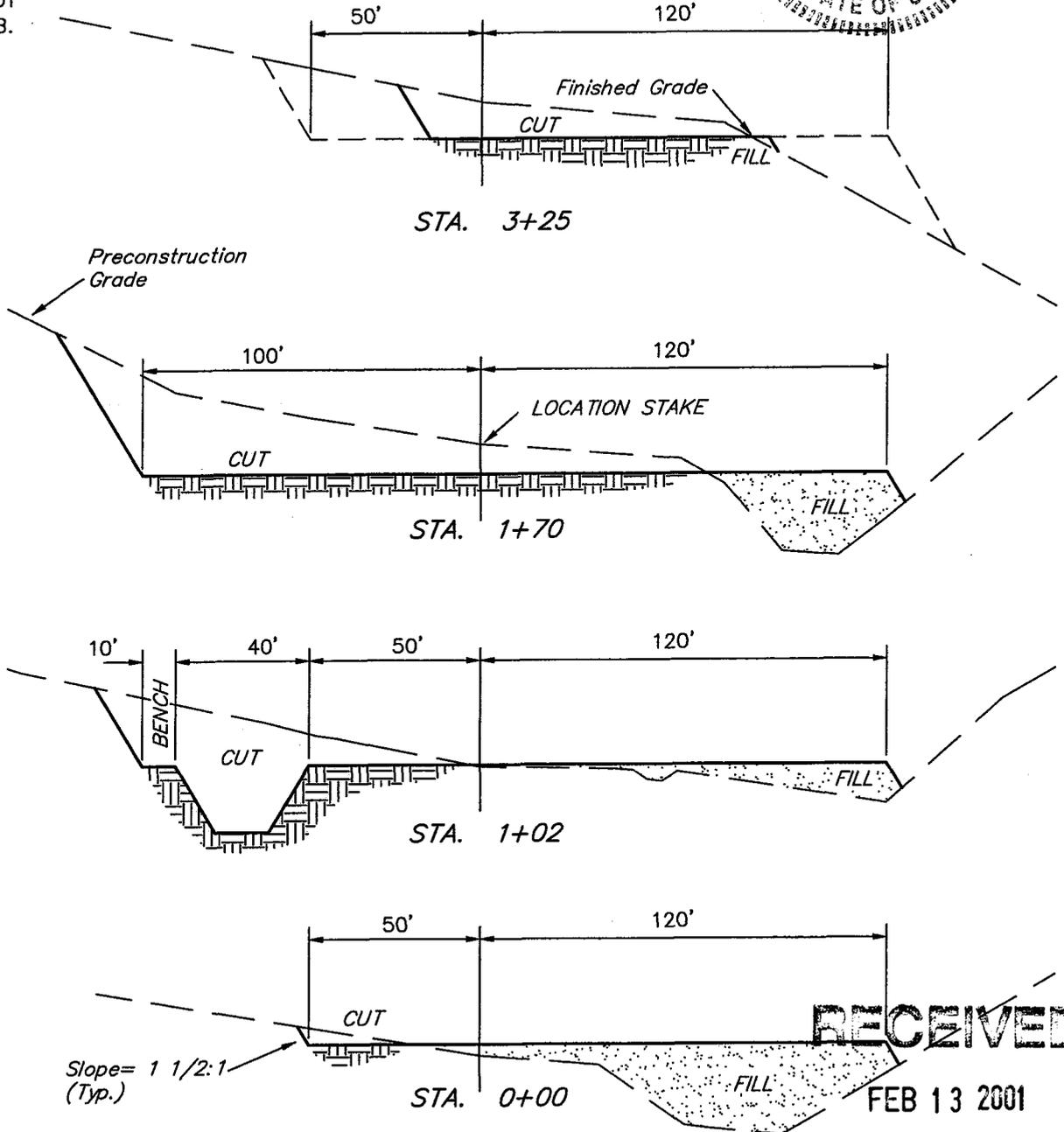
AHO #12-21

SECTION 21, T11S, R25E, S.L.B.&M.

2009' FSL 751' FWL



DATE: 02-09-01  
Drawn By: D.R.B.



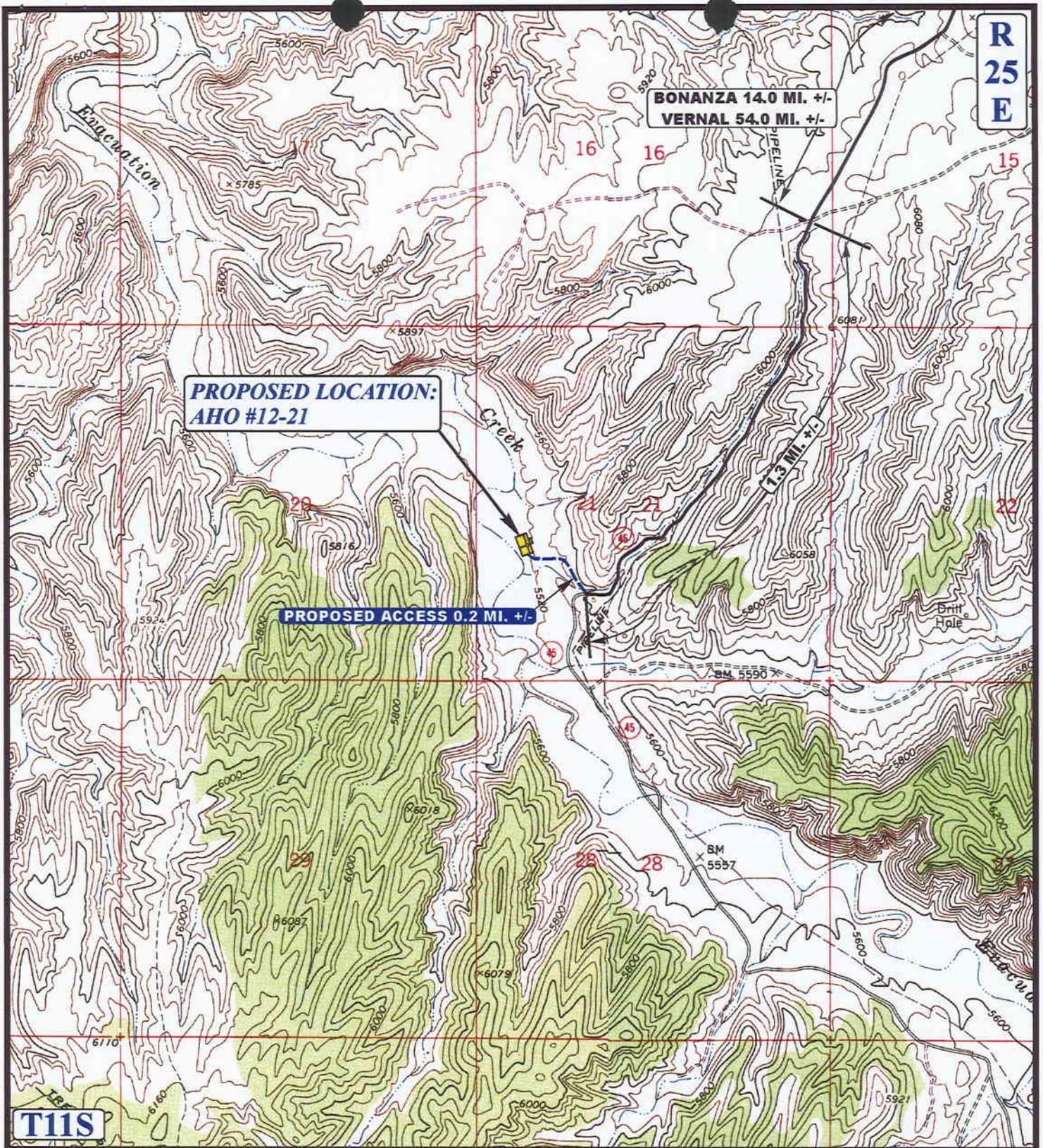
APPROXIMATE YARDAGES

CUT	
(6") Topsoil Stripping	= 1,040 Cu. Yds.
Remaining Location	= 5,080 Cu. Yds.
<b>TOTAL CUT</b>	<b>= 6,120 CU.YDS.</b>
<b>FILL</b>	<b>= 4,550 CU.YDS.</b>

EXCESS MATERIAL AFTER 5% COMPACTION	= 1,330 Cu. Yds.
Topsoil & Pit Backfill (1/2 Pit Vol.)	= 1,330 Cu. Yds.
EXCESS UNBALANCE (After Rehabilitation)	= 0 Cu. Yds.

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





**LEGEND:**

- PROPOSED ACCESS ROAD
- EXISTING ROAD



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

**AHO #12-21**  
**SECTION 21, T11S, R25E, S.L.B.&M.**  
**2009' FSL 751' FWL**



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

**TOPOGRAPHIC**  
**MAP**

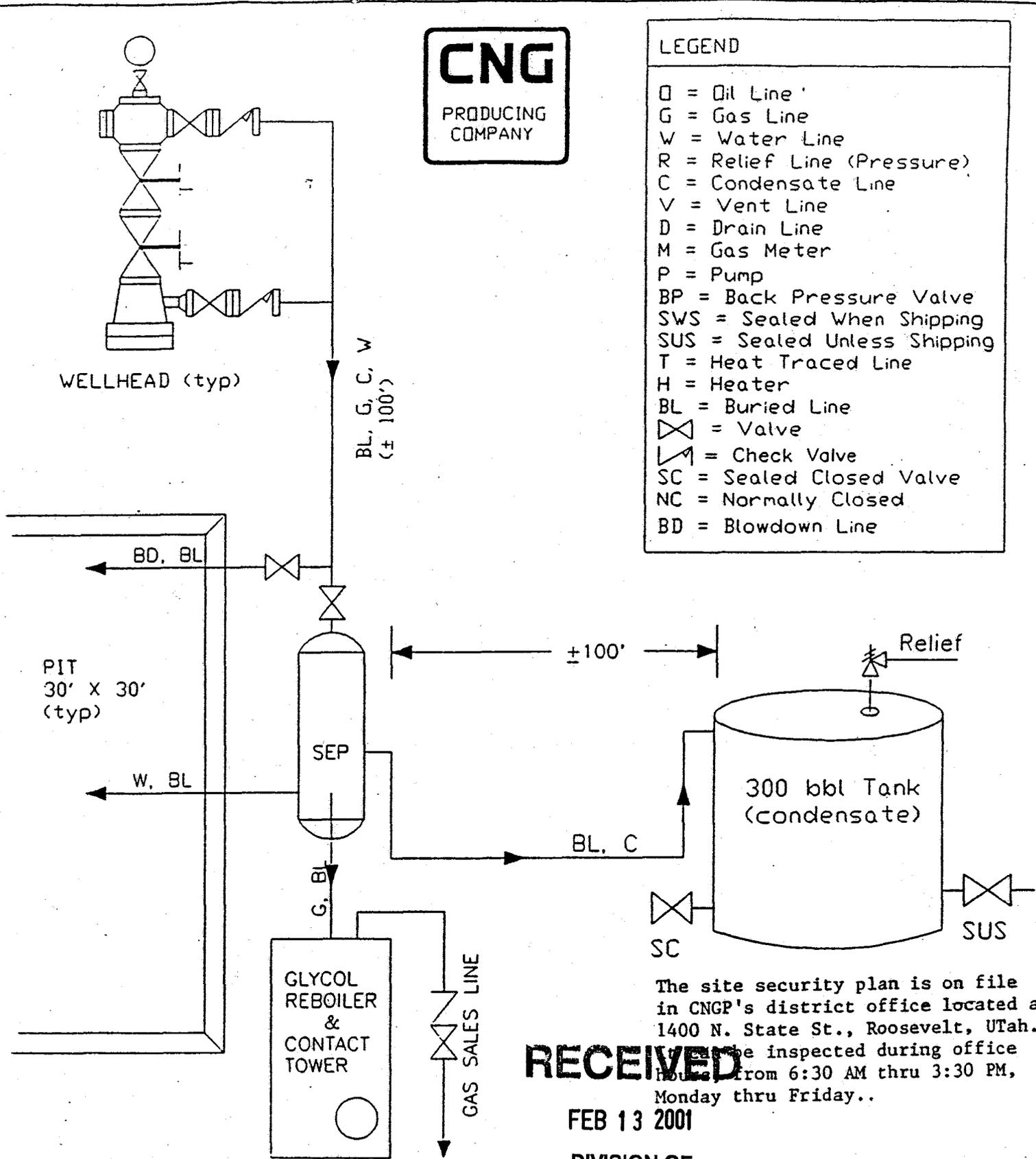
<b>2</b>	<b>9</b>	<b>01</b>
MONTH	DAY	YEAR

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





LEGEND	
□	= 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 CNGP's district office located at 1400 N. State St., Roosevelt, Utah. To be inspected during office hours from 6:30 AM thru 3:30 PM, Monday thru Friday..

**RECEIVED**

FEB 13 2001

DIVISION OF OIL, GAS AND MINING

CNG PRODUCING COMPANY

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

SDR\RBIA\FLOW1SEP

Well name:	02-01 Dominion AHO 12-21 Rev		SEMI-DEPTH CYANIDE FROM 350 TO 1000'
Operator:	Dominion		Project ID:
String type:	Surface		43-047-33935
Location:	Uintah		

**Design parameters:**

**Collapse**  
Mud weight: 8.330 ppg  
Design is based on evacuated pipe.

**Minimum design factors:**

**Collapse:**  
Design factor 1.125

**Environment:**

H2S considered? No  
Surface temperature: 65 °F  
Bottom hole temperature: 79 °F  
Temperature gradient: 1.40 °F/100ft  
Minimum section length: 350 ft

**Burst**

Max anticipated surface pressure: 0 psi  
Internal gradient: 0.468 psi/ft  
Calculated BHP 468 psi

No backup mud specified.

**Burst:**  
Design factor 1.00

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

Tension is based on air weight.  
Neutral point: 875 ft

Cement top: Surface

Non-directional string.

**Re subsequent strings:**

Next setting depth: 5,000 ft  
Next mud weight: 9.000 ppg  
Next setting BHP: 2,338 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)	Est. Cost (\$)
1	1000	8.625	24.00	J-55	ST&C	1000	1000	7.972	5148
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	433	1370	3.17	468	2950	6.31	24	244	10.17 J

SFC CASING OKAY.  
RAM 2/14/01

Prepared R.A.McKee  
by: Utah Dept. of Natural Resources

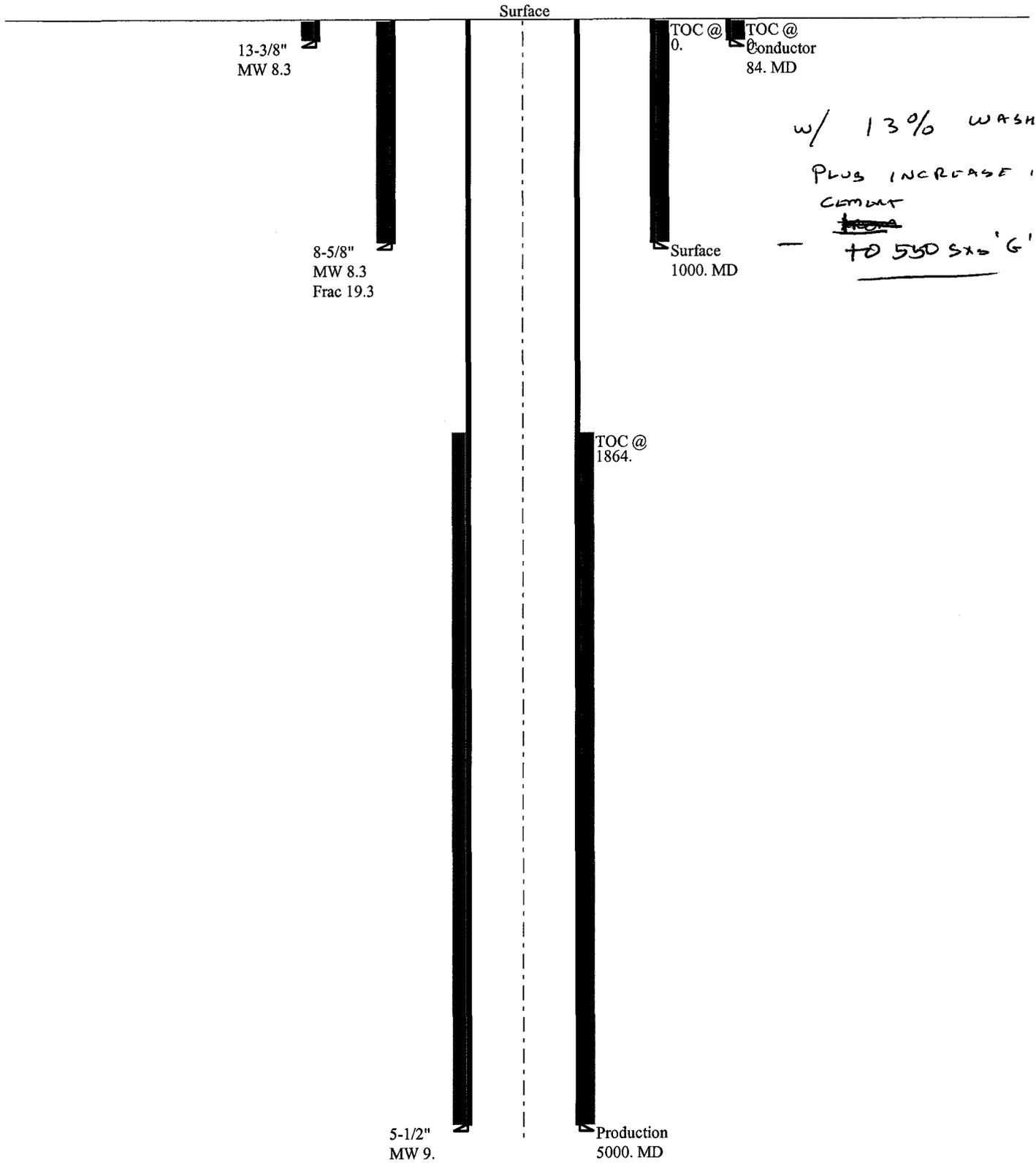
Date: February 14, 2001  
Salt Lake City, Utah

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 8.33 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.

# 02-01 Dominion AHO 12-21 Rev

## Casing Schematic



008



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

Michael O. Leavitt  
Governor  
Kathleen Clarke  
Executive Director  
Lowell P. Braxton  
Division Director

1594 West North Temple, Suite 1210  
PO Box 145801  
Salt Lake City, Utah 84114-5801  
801-538-5340  
801-359-3940 (Fax)  
801-538-7223 (TDD)

February 14, 2001

Dominion Exploration & Production, Inc.  
16945 Northchase Dr, Suite 1750  
Houston, TX 77060

Re: Cliffs 12-21 Well, 2027' FSL, 798' FWL, NW SW, Sec. 21, T. 11 South, R. 25 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 43-047-33935.

Sincerely,

A handwritten signature in black ink that reads "John R. Baza".

John R. Baza  
Associate Director

er

Enclosures

cc: Uintah County Assessor



To: Lisha Cordova  
801-359-3940

From: D. Flowers  
281-873-3692

Re: Cliff 12-21-Sunday

Original w/ copies being overnighted.

TRANSACTION REPORT

P. 01

FEB-14-2001 WED 04:00 PM

FOR: OIL, GAS & MINING

801 359 3940

DATE START	RECEIVER	TX TIME	PAGES	TYPE	NOTE	M#	DP
FEB-14 03:51 PM	12818733639	9' 52"	6	SEND	OK	183	
TOTAL :					9M 52S	PAGES:	6



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

1594 West North Temple, Suite 1210  
 PO Box 145801  
 Salt Lake City, Utah 84114-5801  
 801-538-5340  
 801-359-3940 (Fax)  
 801-538-7223 (TDD)

Michael O. Leavitt  
 Governor  
 Kathleen Clarke  
 Executive Director  
 Lowell P. Braxton  
 Division Director

UTAH DIVISION OF OIL, GAS AND MINING  
 FACSIMILE COVER SHEET

DATE: 2/14/01

FAX #: 381-873-3639

ATTN: Diane Flowers

COMPANY: Dominion

DEPARTMENT: \_\_\_\_\_

NUMBER OF PAGES: (INCLUDING THIS ONE) #6

FROM: Earlene Russell 538-5277

009

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

SUNDRY NOTICES AND REPORTS ON WELLS

6. LEASE DESIGNATION AND SERIAL NUMBER:  
*FEE - Cliffs Synfuel Corp.*

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT or CA AGREEMENT NAME:

8. WELL NAME and NUMBER:  
*CLIFFS12-21*

9. API NUMBER:

10. FIELD AND POOL, OR WILDCAT:  
*WILDCAT*

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 OR DEEPEN form for such purposes

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

2. NAME OF OPERATOR:  
*DOMINION EXPLORATION & PRODUCTION, INC.*

3. ADDRESS OF OPERATOR:  
*16945 NORTHCHASE DRIVE, SUITE 1750 HOUSTON, TEXAS 77060*

PHONE NUMBER:  
*(281) 873-3692*

4. LOCATION OF WELL

FOOTAGES AT SURFACE:  
*798' FWL & 2027' FSL*

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:  
*NW NW Sec. 21-T11S-R25E*

COUNTY:  
*UINTAH*

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"/> REFERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
<input checked="" 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 checked="" 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 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.)

Change in proposed casing program is as follows:

1. Drill a 17-1/2" hole to 84' and set 13-3/8", K-55, 54.5# conductor casing; cement to surface
2. Drill a 12-1/4" hole to 1000' and set 8-5/8", K-55, 24#, STC (thread type) surface casing; cement to surface

Change in cement in systems is as follows:

1. Conductor - ready mix cement to surface
2. Surface Casing - Lead Slurry will use +/- 550 sacks Class "G" cement with an excess of 40%.

All other information in drilling plan remains unchanged.

NAME (PLEASE PRINT) *Diann Flowers* TITLE *Regulatory Specialist*

SIGNATURE *Diann Flowers* DATE *02/14/2001*

(This space for State use only)

APPROVED BY THE STATE  
OF UTAH DIVISION OF  
OIL, GAS, AND MINING

DATE: *2/14/01*

BY: *R. Allen*

INSTRUCTIONS ON REVERSE SIDE

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FEB 14 2001

DIVISION OF  
OIL, GAS AND MINING

COPIES TO OPERATOR

DATE: *2-14-01*

BY: *CHD*

(5/2000)

010

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

FORM 3

AMENDED REPORT   
(highlight changes)

APPLICATION FOR PERMIT TO DRILL

1A. TYPE OF WORK: DRILL <input checked="" type="checkbox"/> REENTER <input type="checkbox"/> DEEPEN <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NUMBER: <i>FEE - Cliffs Synfuel Corp.</i>
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"/>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
2. NAME OF OPERATOR: <i>DOMINION EXPLORATION &amp; PRODUCTION, INC.</i>		7. UNIT or CA AGREEMENT NAME:
3. ADDRESS OF OPERATOR: <i>16945 NORTHCHASE DRIVE, SUITE 1750 HOUSTON, TEXAS 77060</i>		8. WELL NAME and NUMBER: <i>CLIFFS 12-21</i>
PHONE NUMBER: <i>(281) 873-3692</i>		9. FIELD AND POOL, OR WILDCAT: <i>WILDCAT</i>
4. LOCATION OF WELL (FOOTAGES) AT SURFACE: <i>798' FWL &amp; 2027' FSL</i> AT PROPOSED PRODUCING ZONE:		10. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: <i>NW NW of Sec. 21-T11S-R25E</i>
13. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE: <i>15.5 miles South from Bonanza</i>		11. COUNTY: <i>UINTAH</i> 12. STATE: <i>UTAH</i>
14. DISTANCE TO NEAREST PROPERTY OR LEASE LINE (FEET) <i>798'</i>	15. NUMBER PF ACRES IN LEASE: <i>1800</i>	16. NUMBER OF ACRES ASSIGNED TO THIS WELL: <i>40</i>
17. DISTANCE TO NEAREST WELL (DRILLING, COMPLETED, OR APPLIED FOR) ON THIS LEASE (FEET) <i>6500'</i>	18. PROPOSED DEPTH: <i>5000'</i>	19. BOND DESCRIPTION: <i>#76S 63050 361</i>
20. ELEVATIONS (SHOW WHETHER DF, RT, GR, ETC.): <i>GR: 5527'</i>	21. APPROXIMATE DATE WORK WILL START: <i>February 14, 2001</i>	22. ESTIMATED DURATION: <i>7 days</i>

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	CASING SIZE, GRADE, AND WEIGHT PER FOOT	SETTING DEPTH	CEMENT TYPE, QUANTITY, YIELD, AND SLURRY WEIGHT
<i>12-1/4"</i>	<i>8-5/8"; K-55; 24#</i>	<i>+/- 350'</i>	<i>CEMENT TO SURFACE</i>
<i>7-7/8"</i>	<i>5-1/2"; N-80; 17#</i>	<i>+/- 5000'</i>	<i>CEMENT TO SURFACE</i>

24. 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 |

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NAME (PLEASE PRINT) DAVID L. LINGER TITLE MANAGER, ONSHORE DRILLING

SIGNATURE *David L. Linger* DATE February 13, 2001

(This space for State use only)

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API NUMBER ASSIGNED: 13-047-33935

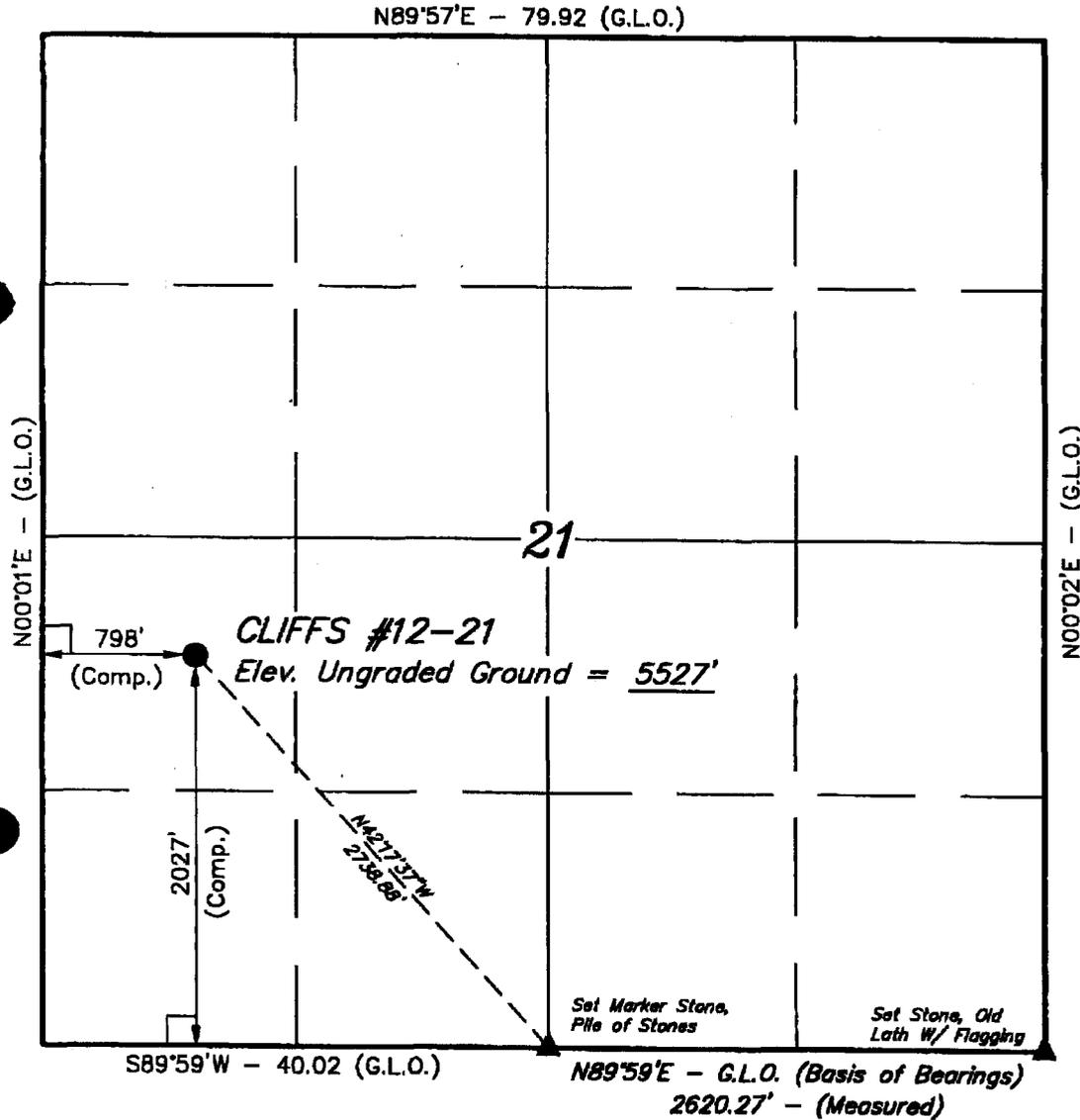
APPROVAL:

FEB 14 2001

DIVISION OF  
OIL, GAS AND MINING

T11S, R25E, S.L.B.&M.

**DOMINION EXPLR. & PROD., INC.**  
 Well location, CLIFFS #12-21, located as shown  
 in the NW 1/4 NW 1/4 of Section 21, T11S,  
 R25E, S.L.B.&M. Uintah County Utah.



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

LATITUDE = 39°50'45"  
 LONGITUDE = 109°07'46"

**BASIS OF ELEVATION**

BENCH MARK (V61) LOCATED NEAR ROAD IN THE SE 1/4 OF SECTION 21, T11S, R25E, S.L.B.&M. TAKEN FROM THE DRAGON QUADRANGLE, UTAH-COLORADO, 7.5 MINUTE QUAD. (TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 5590 FEET.

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SCALE

**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.

*Paul L. Kay*  
 REGISTERED LAND SURVEYOR  
 REGISTRATION NO. 181319  
 STATE OF UTAH

Revised: 02-12-01 D.R.B.

<b>UINTAH ENGINEERING &amp; LAND SURVEYING</b>		
85 SOUTH 200 EAST - VERNAL, UTAH 84078		
(435) 789-1017		
SCALE 1" = 1000'	DATE SURVEYED: 02-08-01	DATE DRAWN: 02-09-01
PARTY G.S.    T.A.    D.R.B.	REFERENCES G.L.O. PLAT	
WEATHER COLD	FILE DOMINION EXPLR. & PROD., INC.	

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 FEB 14 2001  
 DIVISION OF  
 OIL, GAS AND MINING

02/13/01 10:45 FAX 801 789 1813 U.F.L.S., INC. 02

Revised November 1990

Date NOS Received:

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

Company/Operator: Dominion Exploration & Production, Inc.Well Name & Number: CLIFFS 12-21Lease Number: FEE – Cliffs Synfuel Corp.Location: NW NW Sec. 21 T. 11S R. 25ESurface Ownership: Cliffs Synfuel Corp.

NOTIFICATION REQUIREMENTS

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

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

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**B. THIRTEEN POINT SURFACE USE PROGRAM:**

Multipoint Requirement to Accompany APD

1. Existing Roads - describe the following and provide a legible map, labeled and showing:
  - a. Proposed wellsite as staked and access route to location, including distances from point where access route exists establish roads. (Actual staking should include tow directional reference stakes.) The proposed well site is located approximately 15.5 miles South of Bonanza, Utah.
  - b. Route and distance from nearest town or locatable reference point, such as a highway or county road, to where well access route leaves main road. - From Vernal, proceed South on Bonanza Road about 40 miles to Bonanza. From Bonanza continue South on Bonanza Road for about 14 miles and turn left on Evacuation Creek Road. Continue southwest for approximately 1.3 miles and turn right on access road.
  - c. Access road(s) to location color-coded or labeled. (See Topographic Map A & B for details.)
  - d. Plans for improvement and/or maintenance of existing roads. (Appropriate rights-of-way for off lease roads should be attached.)
  
2. Planned Access Roads--describe the following and provide a map of suitable scale indicating all necessary access roads (permanent and temporary) to be constructed or reconstructed, showing:
  - a. Length - 0.2 miles
  - b. Width - 30 foot right-of-way with 18 foot running surface maximum.
  - c. Maximum grades - None
  - d. Turnouts - None
  - e. Drainage design - Dry Creek
  - f. Location and size of culverts and/or bridges, and brief description of any major cuts and fills - 48" diameter culvert will be in the access road 100 yards East of the location
  - g. Surfacing material (source) - None
  - h. Necessary gates, cattleguards, or fence cuts and/or modification to existing facilities - A gate will be installed at the beginning of the access road.  
(New or reconstructed roads are to be centerline-flagged at time of location staking.)

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

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

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

Right-of-Way Application needed: Yes – the well and road are on private land.

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

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

- a. Water wells – None
- b. Abandoned wells – None
- c. Temporarily abandoned wells - None
- d. Disposal wells - None
- e. Drilling wells - None
- f. Producing wells – None
- g. Shut-in wells – None
- h. Injection wells - None

4. Location of Existing and/or Proposed Facilities

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

- (1) Tank batteries
- (2) Production facilities
- (3) Oil gathering lines
- (4) Gas gathering lines – (See exhibit D)
- (5) Injection lines
- (6) Disposal lines
- (7) Surface pits - After the well is hydraulically fraced, the well will be flowed back into the surface pits. After first production, a 300 bbl tank will be installed to contain produced waste water. Plans are to run a 2" line from the separator to the 300 bbl tank.

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

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

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

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OIL, GAS AND MINING

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

If storage facilities/tank batteries are constructed on this lease, the facility/battery or the well pad shall be surrounded by a containment dike of sufficient capacity to contain, at a minimum, the entire content of the largest tank within the facility/battery, unless more stringent protective requirements are deemed necessary by the authorized officer.

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

The required paint color is Desert Brown.

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

5. Location and Type of Water Supply

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- a. Show location and type of water supply, either by 1/4, 1/4 section on a map or by written description Sec 32-T6S-R20E No. 43-9077
- b. State method of transporting water, and show any roads or pipelines needed.
- c. If water well is to be drilled on lease, so state.  
\*The operator will be responsible for acquiring the necessary permit to obtain water to be used for drilling activities.

6. Source of Construction Materials

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

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

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

7. Methods of Handling Waste Disposal

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OIL, GAS AND MINING

- a. Describe methods and location of proposed safe containment and disposal of each type of waste material, including:

- (1) Cuttings - bury in pit
- (2) Sewage - haul to sewer lagoon
- (3) Garbage (trash) and other waste material - haul to disposal
- (4) Salts - not used
- (5) Chemicals - non-toxic only; evaporate in pit

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

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

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

- c. No chemicals subject to reporting under SARA Title III (hazardous materials) in an amount greater than 10,000 pounds will be used, produced, stored, transported, or disposed of annually in association with the drilling, testing, or completing of wells with the NBU. Furthermore, extremely hazardous substances, as defined in 40 CFR 355, in threshold planning quantities, will not be used, produced, stored, transported, or disposed of in association with the drilling, testing, or completing of wells within the NBU. Specific APDs shall address any modifications from this policy.

On BLM administered lands:

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

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

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

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

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

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

8. Ancillary Facilities

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

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

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

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

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

The stockpiled topsoil (first four inches) will be stored on the: at corner #6 Stake  
Access to the well pad will be from the: South

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

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

The drainage(s) shall be diverted around the \_\_\_\_\_ side(s) of the well pad location.

The reserve pit and/or pad location shall be constructed long and narrow for topographic reasons \_\_\_\_\_.

The Northwest corner of the well pad will be rounded off to avoid the Old Rail Road track site.

Fencing Requirements

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

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

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- e. All wire shall be stretched, by using a stretching device, before it is attached to the corner posts.

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

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

10. Plans for Restoration of Surface

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a. Producing Location

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

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

If a plastic nylon reinforced liner is used, it shall be torn and perforated before backfilling of the reserve pit.

The reserve pit and that portion of the location not needed for production facilities/operations will be recontoured to the approximate natural contours. The reserve pit will be reclaimed within 6 months from the date of well completion. Before any dirt work takes place, the reserve pit must be completely dry and all cans, barrels, pipe, etc., will be removed.

Contact appropriate surface management agency for required seed mixture.

b. Dry Hole/Abandoned Location

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

11. Surface Ownership:

Access Road: Cliffs Synfuel Corp. Location: Cliffs Synfuel Corp.

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

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12. Other Additional Information

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

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

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

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

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

b. The operator will control noxious weeds along right-of-way for roads, pipelines, well sites, or other applicable facilities. A list of noxious weeds may be obtained from the BLM, or the appropriate County Extension Office. On BLM administered land it is required that a Pesticide Use Proposal shall be submitted, and given approval, prior to the application of herbicides or other pesticides or possible hazardous chemicals.

c. Drilling rigs and/or equipment used during drilling operations on this well site will not be stacked or stored on Federal Lands after the conclusion of drilling operations or at any other time without BLM authorization. However, if BLM authorization is obtained, it is only a temporary measure to allow time to make arrangements for permanent storage on commercial facilities. (The BLM does not seek to compete with private industry. There are commercial facilities available for stacking and storing drilling rigs.)

Additional Surface Stipulations

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

\_\_\_\_\_ No surface occupancy will be allowed within 1,000 feet of any sage grouse strutting ground.

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

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

\_\_\_\_\_ No cottonwood trees will be removed or damaged.

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

13. Lessee's or Operators Representative and Certification

Representative

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

**CONFIDENTIAL**

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

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

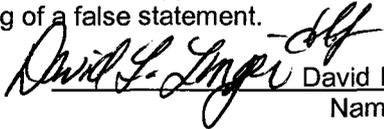
The operator or his/her contractor shall contact the BLM Office at (801) 789-1362 forty-eight (48) hours prior to construction activities.

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

Certification:

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

February 13, 2001  
Date



David L. Linger, Onshore Drilling Manager  
Name and Title

Onsite Date: February 12, 2001

Participants on Joint Inspection

<u>Jim Sweat</u>	<u>Dominion Exploration &amp; Production, Inc.</u>
<u>Gary Streeter</u>	<u>Survey Chief, Uintah Engineering</u>
<u>Chuck White</u>	<u>Jackson Construction</u>
<u>Brent Stubbs</u>	<u>Stubbs Construction</u>
<u>David Hackford</u>	<u>Utah Division of Oil, Gas &amp; Mining</u>
<u>Gary Aho</u>	<u>President, Cliffs Synfuel Corp.</u>
<u>Craig Obermuiler</u>	<u>Craigs Roustabout Servic+e</u>
<u>Mitchiel Hall</u>	<u>Dominion Exploration &amp; Production, Inc.</u>

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DIVISION OF  
OIL, GAS AND MINING

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

FORM 9

012

5. LEASE DESIGNATION AND SERIAL NUMBER:  
*FEE - Cliffs Synfuel Corp.*

**SUNDRY NOTICES AND REPORTS ON WELLS**

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

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 OR DEEPEN form for such purposes

7. UNIT or CA AGREEMENT NAME:

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

8. WELL NAME and NUMBER:  
*CLIFFS 12-21*

2. NAME OF OPERATOR:  
*DOMINION EXPLORATION & PRODUCTION, INC.*

9. API NUMBER:  
*43-047-33935*

3. ADDRESS OF OPERATOR:  
*16945 NORTHCHASE DRIVE, SUITE 1750 HOUSTON, TEXAS 77060*

PHONE NUMBER:  
*(281) 873-3692*

10. FIELD AND POOL, OR WILDCAT:  
*WILDCAT*

4. LOCATION OF WELL  
FOOTAGES AT SURFACE:  
*798' FWL & 2027' FSL*  
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:  
*NW NW Sec. 21-T11S-R25E*

COUNTY:  
*UINTAH*  
STATE:  
*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 (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REFERFORATE 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 checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input checked="" 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 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.)

*Change in proposed casing program is as follows:*

- Drill a 17-1/2" hole to 84' and set 13-3/8", K-55, 54.5# conductor casing; cement to surface*
- Drill a 12-1/4" hole to 1000' and set 8-5/8", K-55, 24#, STC (thread type) surface casing; cement to surface*

*Change in cement in systems is as follows:*

- Conductor - ready mix cement to surface*
- Surface Casing - Lead Slurry will use +/- 550 sacks Class "G" cement with an excess of 40%.*

*All other information in drilling plan remains unchanged.*

NAME (PLEASE PRINT) *Diann Flowers* TITLE *Regulatory Specialist*  
SIGNATURE *Diann Flowers* DATE *02/14/2001*

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

013

5. LEASE DESIGNATION AND SERIAL NUMBER:  
*FEE - Cliffs Synfuel Corp.*

**SUNDRY NOTICES AND REPORTS ON WELLS**

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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 OR DEEPEN form for such purposes

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

8. WELL NAME and NUMBER:  
*CLIFFS12-21*

2. NAME OF OPERATOR:  
*DOMINION EXPLORATION & PRODUCTION, INC.*

9. API NUMBER:  
*43-047-33935*

3. ADDRESS OF OPERATOR:  
*16945 NORTHCHASE DRIVE, SUITE 1750 HOUSTON, TEXAS 77060*

PHONE NUMBER:  
*(281) 873-3692*

10. FIELD AND POOL, OR WILDCAT:  
*WILDCAT*

4. LOCATION OF WELL  
FOOTAGES AT SURFACE:  
*798' FWL & 2027' FSL*  
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:  
*NW SW Sec. 21-T11S-R25E*

COUNTY:  
*UINTAH*  
STATE:  
*UTAH*

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	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER <i>Drilling Oper.</i>
	<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.)  
*MIRU Ram Drilling. Drilled 17-1/2" hole at 45'. Spud Cliffs 12-21 on 2/14/2001 at 2300 hours.*

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FEB 20 2001  
DIVISION OF  
OIL, GAS AND MINING

NAME (PLEASE PRINT) *Diann Flowers* TITLE *Regulatory Specialist*  
SIGNATURE *Diann Flowers* DATE *02/16/2001*

(This space for State use only)

ENTITY ACTION FORM

Operator: Dominion Exploration & Production, Inc.  
Address: 16945 Northchase Drive, Suite 1750  
city Houston  
state TX zip 77060

Operator Account Number: N ~~8885~~ 1095  
Phone Number: (281) 873-3692

Well 1

API Number	Well Name		QQ	Sec	Twp	Rng	County
047-33935	Cliffs 12-21		nws	21	11S	25E	Uintah
Action Code	Current Entity Number	New Entity Number	Spud Date			Entity Assignment Effective Date	
A	99999	13044	2/14/2001			2/14/2001	
Comments: First well on Fee lease 2-20-01							

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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:							

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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)

Diann Flowers  
Name (Please Print)  
Diann Flowers  
Signature  
Regulatory Specialist  
Title  
Date 2/16/2001



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

Michael O. Leavitt  
Governor  
Kathleen Clarke  
Executive Director  
Lowell P. Braxton  
Division Director

1594 West North Temple, Suite 1210  
PO Box 145801  
Salt Lake City, Utah 84114-5801  
801-538-5340  
801-359-3940 (Fax)  
801-538-7223 (TDD)

UTAH DIVISION OF OIL, GAS AND MINING  
FACSIMILE COVER SHEET

DATE: MARCH 9, 2001  
FAX #: (281)873-3687  
ATTN: DIANN FLOWERS  
COMPANY: DOMINION EXPL & PROD INC  
DEPARTMENT:  
NUMBER OF PAGES: (INCLUDING THIS ONE) 2  
FROM: LISHA CORDOVA

If you do not receive all of the pages, or if they are illegible, please call (801)538-5340.  
We are sending from a sharp facsimile machine. Our telecopier number is (801)359-3940.

MESSAGES:

RDCC COMMENTS; OPERATOR SHOULD CONTACT DIVISION OF AIR QUALITY

Important: This message is intended for the use of the individual or entity of which it is addressed and may contain information that is privileged, confidential and exempt from disclosure under applicable law. If the reader of this message is not the intended recipient, you are hereby notified that any dissemination, distribution, or copying of this communication is strictly prohibited. If you have received this communication in error, please notify us immediately by telephone and return this original message to us at the above address via regular postal service. Thank you.

TRANSACTION REPORT

P. 01

MAR-09-2001 FRI 01:17 PM

FOR: OIL, GAS & MINING

801 359 3940

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MAR-09	01:16 PM	12818733687	1' 33"	2	SEND	OK	409	
TOTAL :						1M 33S	PAGES:	2



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

Michael O. Leavitt  
 Governor  
 Kathleen Clarke  
 Executive Director  
 Lowell P. Braxton  
 Division Director

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 Salt Lake City, Utah 84114-5801  
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**UTAH DIVISION OF OIL, GAS AND MINING  
 FACSIMILE COVER SHEET**

**DATE:** MARCH 9, 2001

**FAX #:** (281)873-3687

**ATTN:** DIANN FLOWERS

**COMPANY:** DOMINION EXPL & PROD INC

**DEPARTMENT:** \_\_\_\_\_

**NUMBER OF PAGES: (INCLUDING THIS ONE)** 2

**FROM:** LISHA CORDOVA

If you do not receive all of the pages. or if they are illegible. please call (801)538-5340.



# State of Utah

GOVERNOR'S OFFICE OF PLANNING AND BUDGET  
Resource Development Coordinating Committee

Michael O. Leavitt  
Governor

Brad T. Barber  
State Planning Coordinator

James L. Dykmann  
Committee Chairman

John A. Harja  
Executive Director

116 State Capitol Building  
Salt Lake City, Utah 84114  
(801) 538-1027  
Fax: (801) 538-1547

March 5, 2001

**RECEIVED**

MAR 09 2001

DIVISION OF  
OIL, GAS AND MINING

Lisha Cordova  
Division of Oil, Gas & Mining  
1594 West North Temple, Suite 1210  
Salt Lake City, Utah 84114-5801

**CONFIDENTIAL**

SUBJECT: Application for permit to drill - proposal to drill a wildcat well; the <sup>CI: Hs</sup> ~~AHO~~ 12-21  
on a wildcat fee lease  
State Identification Number: 01-466

43-047-33935  
Sec. 21, T11S R25E  
Dominion Exp. & Prod. Inc.

Dear Ms Cordova:

The Resource Development Coordinating Committee (RDCC), representing the State of Utah, has reviewed this proposal. The Division of Air Quality comments:

This project may require a permit, known as an Approval Order, from the Division of Air Quality if any compressor stations are located at the site. A permit application, known as a Notice of Intent (NOI) should be submitted to the Division of Air Quality for review. For further information, contact the Engineering Section of the Division of Air Quality at (801) 536-4000.

The Committee appreciates the opportunity to review this proposal. Please direct any other written questions regarding this correspondence to the Resource Development Coordinating Committee at the above address or call Judy Edwards at (801) 538-1153 or John Harja at (801) 538-1559.

Sincerely,

Natalie Gochnour  
State Planning Coordinator

NG/ar

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

016

5. LEASE DESIGNATION AND SERIAL NUMBER:  
*FEE - Cliffs Synfuel Corp.*

SUNDRY NOTICES AND REPORTS ON WELLS

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OIL WELL  GAS WELL  OTHER: \_\_\_\_\_

8. WELL NAME and NUMBER:  
*CLIFFS12-21*

2. NAME OF OPERATOR:  
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9. API NUMBER:  
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3. ADDRESS OF OPERATOR:  
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PHONE NUMBER:  
*(281) 873-3692*

10. FIELD AND POOL, OR WILDCAT:  
*WILDCAT*

4. LOCATION OF WELL  
FOOTAGES AT SURFACE:  
*798' FWL & 2027' FSL*  
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:  
*NW SW Sec. 21-T11S-R25E*

COUNTY:  
*UINTAH*  
STATE:  
*UTAH*

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

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	<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 <i>Drilling Oper.</i>
	<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.)

*OPERATIONS: 3/17/2001 THROUGH 3/20/2001  
Rigged up Patterson #12. Pick up bit, 8" mud motor and drill collars. Resumed drilling operations at 0530 hours. Drilled to 167' and ran survey. Continued drilling ahead to 1015'. Ran 23 joints 8-5/8" casing and set at 1021'.  
Cemented with 189 sacks Premium II Lite and tail with 367 sacks "G" cement. WOC. Performed all tests on casing and all ok. Resumed drilling ahead.*

CONFIDENTIAL

NAME (PLEASE PRINT) *Diann Flowers*

TITLE *Regulatory Specialist*

SIGNATURE *Diann Flowers*

DATE *03/22/2001*

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MAR 26 2001

DIVISION OF  
OIL, GAS AND MINING

The State Planning Coordinator's Office has reviewed the following projects and have received no comments from State agencies.

Contact: Louis Brown

#446 Trust Lands Administration - Easement No. 682

CONFIDENTIAL

Contact: Kurt Higgins

#465 Trust Lands Administration - Moon Lake Electric Association Easement No. 680

#427 Trust Lands Administration - Andarko Petroleum Corp SULA No. 1314

Contact: Kay Burton

#352 Trust Lands Administration - Big Water BLM Visitors Center

Contact: Kevin Carter

#401 Trust Lands Administration - SULA 741 amendment

Contact: Lynn Kunzler

#455 DOGM - Notice of Intention to Commence Large Mining Operations - Bryce Haas - B & C Limestone Quarry - M/039/013

Contact: Lisha Cordova

#466 DOGM - Application for Permit to Drill - proposal to drill a wildcat well, AHO 12-21 on FEE lease.

43-047-33935  
ol: ff  
Sec. 21, 11 S 25E

#496 DOGM - Application for permit to drill - Texaco Exploration and Production proposes to drill the State of Utah "FF" 11-129 (wildcat) well on ML-48214 lease.

#497 DOGM - Application for permit to drill - Texaco Exploration and Production proposes to drill the State of Utah "FF" 11-130 (wildcat) well on ML-48214 lease.

#498 DOGM - Application for permit to drill - Texaco Exploration and Production proposes to drill the Gardner Trust 16-121 (wildcat) well on a patented lease.

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

017

5. LEASE DESIGNATION AND SERIAL NUMBER:  
*FEE - Cliffs Synfuel Corp.*

SUNDRY NOTICES AND REPORTS ON WELLS

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

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 OR DEEPEN form for such purposes

7. UNIT or CA AGREEMENT NAME:

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

8. WELL NAME and NUMBER:  
*CLIFFS12-21*

2. NAME OF OPERATOR:  
*DOMINION EXPLORATION & PRODUCTION, INC.*

9. API NUMBER:  
*43-047-33935*

3. ADDRESS OF OPERATOR:  
*16945 NORTHCHASE DRIVE, SUITE 1750 HOUSTON, TEXAS 77060*

PHONE NUMBER:  
*(281) 873-3692*

10. FIELD AND POOL, OR WILDCAT:  
*WILDCAT*

4. LOCATION OF WELL  
FOOTAGES AT SURFACE:  
*798' FWL & 2027' FSL*  
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:  
*NW SW Sec. 21-T11S-R25E*

COUNTY:  
*UINTAH*  
STATE:  
*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 (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REFERFORATE 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 <i>Drilling Oper.</i>
	<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.)

*OPERATIONS: 3/17/2001 THROUGH 3/20/2001  
Rigged up Patterson #12. Pick up bit, 8" mud motor and drill collars. Resumed drilling operations at 0530 hours. Drilled to 167' and ran survey. Continued drilling ahead to 1015'. Ran 23 joints 8-5/8" casing and set at 1021'.  
Cemented with 189 sacks Premium II Lite and tail with 367 sacks "G" cement. WOC. Performed all tests on casing and all ok. Resumed drilling ahead.*

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MAR 27 2001

DIVISION OF  
OIL, GAS AND MINING

NAME (PLEASE PRINT) *Diann Flowers* TITLE *Regulatory Specialist*

SIGNATURE *Diann Flowers* DATE *03/22/2001*

(This space for State use only)

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

018

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 OR DEEPEN form for such purposes

1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER: _____		5. LEASE DESIGNATION AND SERIAL NUMBER: <i>FEE - Cliffs Synfuel Corp.</i>
2. NAME OF OPERATOR: <i>DOMINION EXPLORATION &amp; PRODUCTION, INC.</i>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
3. ADDRESS OF OPERATOR: <i>16945 NORTHCHASE DRIVE, SUITE 1750 HOUSTON, TEXAS 77060</i>		7. UNIT or CA AGREEMENT NAME:
PHONE NUMBER: <i>(281) 873-3692</i>		8. WELL NAME and NUMBER: <i>CLIFFS12-21L</i>
4. LOCATION OF WELL FOOTAGES AT SURFACE: <i>798' FWL &amp; 2027' FSL</i> QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: <i>NW SW Sec. 21-T11S-R25E</i>		9. API NUMBER: <i>43-047-33935</i>
10. FIELD AND POOL, OR WILDCAT: <i>WILDCAT</i>		COUNTY: <i>UINTAH</i>
		STATE: <i>UTAH</i>

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TYPE OF SUBMISSION	TYPE OF ACTION		
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	<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
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<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 <i>Drilling Oper.</i>
	<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.)

OPERATIONS: 3/21/01 through 04/14/01  
 Drilled ahead to 3907'. Ran logs. Ran 5-1/2" casing. Set at 3907'. Cemented with 880 sacks Premium Lite cement. Release drilling rig at 11:30 pm on 3/24/01.  
 Perforated interval #1. Swabbed fluid and left open to pit. Continued to swab well. Perforated Wasatch from 2572'- 2582'. Swabbed back fluid. Set CIBP at 2530'. Perforated interval #4. Opened well to pit on 2" line. Well currently shut in.

**RECEIVED**  
 APR 23 2001  
 DIVISION OF  
 OIL, GAS AND MINING

NAME (PLEASE PRINT) Diann Flowers TITLE Regulatory Specialist  
 SIGNATURE *Diann Flowers* DATE 04/17/2001

(This space for State use only)

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

CONFIDENTIAL

FORM 9

019

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 OR DEEPEN form for such purposes

1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER: _____		5. LEASE DESIGNATION AND SERIAL NUMBER: <i>FEE - Cliffs Synfuel Corp.</i>
2. NAME OF OPERATOR: <i>DOMINION EXPLORATION &amp; PRODUCTION, INC.</i>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
3. ADDRESS OF OPERATOR: <i>16945 NORTHCHASE DRIVE, SUITE 1750 HOUSTON, TEXAS 77060</i>		7. UNIT or CA AGREEMENT NAME:
4. LOCATION OF WELL FOOTAGES AT SURFACE: <i>798' FWL &amp; 2027' FSL</i> QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: <i>NW SW Sec. 21-T11S-R25E</i>		8. WELL NAME and NUMBER: <i>CLIFFS12-21L</i>
PHONE NUMBER: <i>(281) 873-3692</i>		9. API NUMBER: <i>43-047-33935</i>
10. FIELD AND POOL, OR WILDCAT: <i>WILDCAT</i>		COUNTY: <i>UINTAH</i>
		STATE: <i>UTAH</i>

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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
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	<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 <i>Well Operations</i>
	<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.)  
*OPERATIONS: 05/02/01 through 05/09/01  
RST log. RIH with CIPB and set at 2400'. Perforate interval #5, in Mesaverde. MIRU workover rig. Set packer at 2100'.*

CONFIDENTIAL RECEIVED

MAY 14 2001

DIVISION OF  
OIL, GAS AND MINING

NAME (PLEASE PRINT) <i>Diann Flowers</i>	TITLE <i>Regulatory Specialist</i>
SIGNATURE <i>Diann Flowers</i>	DATE <i>05/11/2001</i>

(This space for State use only)

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

020

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 OR DEEPEN form for such purposes

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2. NAME OF OPERATOR: <i>DOMINION EXPLORATION &amp; PRODUCTION, INC.</i>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
3. ADDRESS OF OPERATOR: <i>16945 NORTHCHASE DRIVE, SUITE 1750 HOUSTON, TEXAS 77060</i>		7. UNIT or CA AGREEMENT NAME:
PHONE NUMBER: <i>(281) 873-3692</i>		8. WELL NAME and NUMBER: <i>CLIFFS12-21L</i>
4. LOCATION OF WELL FOOTAGES AT SURFACE: <i>798' FWL &amp; 2027' FSL</i> QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: <i>NW SW Sec. 21-T11S-R25E</i>		9. API NUMBER: <i>43-047-33935</i>
		10. FIELD AND POOL, OR WILDCAT: <i>WILDCAT</i>

COUNTY: *UINTAH*  
STATE: *UTAH*

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

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	<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 <i>Well Operations</i>
	<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.)

OPERATIONS: 05/10/01 through 05/17/01  
Break formations with 3960 psi. Swab well. No pressure on well. No gas. RIH with Weatherford 10K CIBP and set at 1980'. Perforated interval #6, Mesaverde. Zero pressure on well. Perforated interval #6A, Wasatch Tongue. Began swabbing well. Made to

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MAY 25 2001

DIVISION OF  
OIL, GAS AND MINING

NAME (PLEASE PRINT) Diann Flowers TITLE Regulatory Specialist  
SIGNATURE *Diann Flowers* DATE 05/21/01

(This space for State use only)

Well Data

021 WELL SEARCH

**WELL DATA**

WELL HISTORY

WELL ACTIVITY

WELL NAME  API NUMBER  WELL TYPE  WELL STATUS   
 OPERATOR  ACCOUNT  ALT. ADDRESS FLAG  FIRST PRODUCTION   
 FIELD NAME  FIELD NUMBER  LA | PA DATE

WELL LOCATION:

SURF LOCATION   
 Q. S. T. R. M.       
 COUNTY

UTM Coordinates:

SURFACE - N   
 SURFACE - E   
 BHL - N   
 BHL - E

CONFIDENTIAL FLAG   
 CONFIDENTIAL DATE     
 DIRECTIONAL | HORIZONTAL   
 HORIZONTAL LATERALS   
 FIELD TYPE   
 WILDCAT TAX FLAG   
 CB-METHANE FLAG   
 ELEVATION   
 BOND NUMBER   
 BOND TYPE

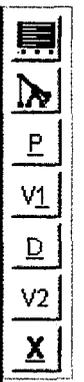
LEASE NUMBER   
 MINERAL LEASE TYPE   
 SURFACE OWNER TYPE   
 INDIAN TRIBE   
 C.A. NUMBER   
 UNIT NAME

CUMULATIVE PRODUCTION:

OIL   
 GAS   
 WATER

COMMENTS

PARTIAL SURF AGREE;DOG M SHOULD EST MINIMUM WELLSITE RESTORATION WHEN INT PA RECD:010220 ENTITY ADDED:



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

022

5. LEASE DESIGNATION AND SERIAL NUMBER:  
FEE

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT or CA AGREEMENT NAME

8. WELL NAME and NUMBER:  
CLIFFS 12-21

9. API NUMBER:  
43-047-33935

10. FIELD AND POOL, OR WILDCAT  
WILDCAT

11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:

NW SW, Sec. 21, T11S, R25E

12. COUNTY  
UINTAH

13. STATE  
UTAH

17. ELEVATIONS (DF, RKB, RT, GL):  
GR: 5527'

21. DEPTH BRIDGE MD *Remarks*  
PLUG SET: TVD

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. TYPE OF WELL: OIL WELL  GAS WELL  DRY  OTHER \_\_\_\_\_  
b. TYPE OF COMPLETION: NEW WELL  WORK OVER  DEEP-EN  RE-ENTRY  DIFF. RESVR.  OTHER \_\_\_\_\_

2. NAME OF OPERATOR  
DOMINION EXPL. & PROD., INC.

3. ADDRESS OF OPERATOR  
16945 NORTHCHASE DRIVE, SUITE 1750 HOUSTON, TEXAS 77060

PHONE NUMBER:  
(281) 873-3692

4. LOCATION OF WELL (FOOTAGES)  
AT SURFACE:  
2027' FSL & 798' FWL  
AT TOP PRODUCING INTERVAL REPORTED BELOW:

AT TOTAL DEPTH:

14. DATE SPUNDED  
2/14/01

15. DATE T.D. REACHED  
3/24/01

16. DATE COMPLETED: 3-24-01  
See remarks

ABANDONED  READY TO PRODUCE

18. TOTAL DEPTH: MD 3990'  
TVD

19. PLUG, BACK T.D.: MD 3911'  
TVD

20. IF MULTIPLE COMPLETIONS, HOW MANY?

22. TYPE ELECTRIC AND OTHER MECHANICAL LOGS RUN (Submit copy of each)  
~~CBL+VDL/GR/DP/NP/DIL/RSC~~ - 10-26-01 ASCT - 10-26-01  
CBL Not Run per Diann Flowers 11-16-01

23. WAS WELL CORED? NO  YES  (Submit analysis)  
Drill System Test 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
17-1/2"	13-3/8"	54.5#	SURFACE	90'		CONDUCTOR		CALC	
12-1/4"	8 5/8" K55	24/32#	SURFACE	1022'		556 SX G		CIRC	
7-7/8"	5 1/2" N80	17.0#	SURFACE	3990'		880 SX G		CIRC	

25. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)

26. PRODUCING INTERVALS

FORMATION NAME	TOP (MD)	BOTTOM (MD)	TOP (TVD)	BOTTOM (TVD)	INTERVAL (Top/Bot - MD)	SIZE	NO. HOLES	PERFORATION STATUS
WASATCH	1902-1958	.45; 84	open		2984-2994	.47	40	Open <input checked="" type="checkbox"/> Squeezed <input type="checkbox"/>
					2572-2582	.39	40	Open <input checked="" type="checkbox"/> Squeezed <input type="checkbox"/>
					2438-2483	.43	56	Open <input checked="" type="checkbox"/> Squeezed <input type="checkbox"/>
					2298-2326	.45	96	Open <input checked="" type="checkbox"/> Squeezed <input type="checkbox"/>

27. PERFORATION RECORD

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

DEPTH INTERVAL	AMOUNT AND TYPE OF MATERIAL
	N/A

29. ENCLOSED ATTACHMENTS:

- ELECTRICAL/MECHANICAL LOGS
- SUNDRY NOTICE FOR PLUGGING AND CEMENT VERIFICATION
- GEOLOGIC REPORT
- CORE ANALYSIS
- DST REPORT
- OTHER:

*Sent under separate cover*

30. WELL STATUS:

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OCT 29 2001

DIVISION OF  
OIL, GAS AND MINING

31. INITIAL PRODUCTION

INTERVAL A (As shown in item #26)

DATE FIRST PRODUCED: <i>N/A</i>	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:	INTERVAL STATUS:

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:	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:	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:	INTERVAL STATUS:

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

N/A

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	1902	1958	Sandstone; sub-angular; clr to wht	WASATCH TONGUE	1240
WASATCH	2298	2324	" "	GREEN RIVER TONGUE	1418
MESAVERDE	2436	2494	" "	WASATCH	1506
MESAVERDE	2564	2584	" "	MESAVERDE	2385
MESAVERDE	2982	2994	" "		

35. ADDITIONAL REMARKS (Include plugging procedure)

CIBP at 2630', 2530', 2400' and 1980'. Operator intends to plug and abandon this well as it is non-commercial. Plugging procedure is attached.

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

NAME (PLEASE PRINT) Diann Flowers TITLE Regulatory Specialist  
 SIGNATURE *Diann Flowers* DATE 10/22/2001

This report must be submitted within 30 days of

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

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

\*\*ITEM24: Cement Top-Show how reported top(s) of cement were determined (circulated(CIR), calculated(CAL), cement bond log(CBL), temperature survey(TS))

Sent to: Utah Division of Oil, Gas and Mining  
 1594 West North Temple, Suite 1210  
 Box 145801  
 Salt Lake City, Utah 84114-5801

Phone: 801-538-5340  
 Fax: 801-359-3940

**Plug Information:**

	<u>Plug #1</u>	<u>Plug #2</u>	<u>Plug #3</u>
Depth	1840-1890'	506-606'	6-106'
Volume	1.2 bbls	2.3 bbls	2.3 bbls
Cement	Class G	Class G	Class G
CaCl <sub>2</sub>	2%	2%	2%
Weight	15.8	15.8	15.8
Sacks	6	11.5	11.5

**Note: On site State Inspector may want to tag top of cement with tubing or wireline to determine the depth of the top of the plugs.**

**Cliffs 12-21L P & A Procedure**

MIRU W/O, Test BOP to 250 & 3000 psi Hold operations and Safety Meeting.

MIRU wireline company. GIH with CIBP and set at 1890. Test plug to 1000 psi for 30 minutes.

MIRU service company. Review plug calculations with Cement Supervisor and State Inspector.

P/U 2 3/8" 4.7# N-80 tubing. RIH open-ended.

**PLUG #1:** Balance cement plug between 1890-1840'. Pick up tubing to 1000' and reverse circulate tubing clean.

Load hole with 9.0 pps (or greater) fluid.

**PLUG #2:** Pull tubing out of hole laying down and balance cement plug between 506-606'.

Pull tubing clear of cement and reverse out.

Let cement set for 2 hours. Pressure test plug to 1000 psi for 30 minutes.

**PLUG #3:** Pull tubing out of hole laying down and balance cement plug between 6-106'.

Pull tubing clear of cement and reverse out.

Rig Down and Move Out Rig and equipment. Cut casing 3' below ground level. Top off cement back to top of casing stub.

Weld on plate and install dry hole marker. Clean up location, re-seed, and return to original condition.

Handwritten signature and initials, possibly 'D. P. H.' and 'd/r'.

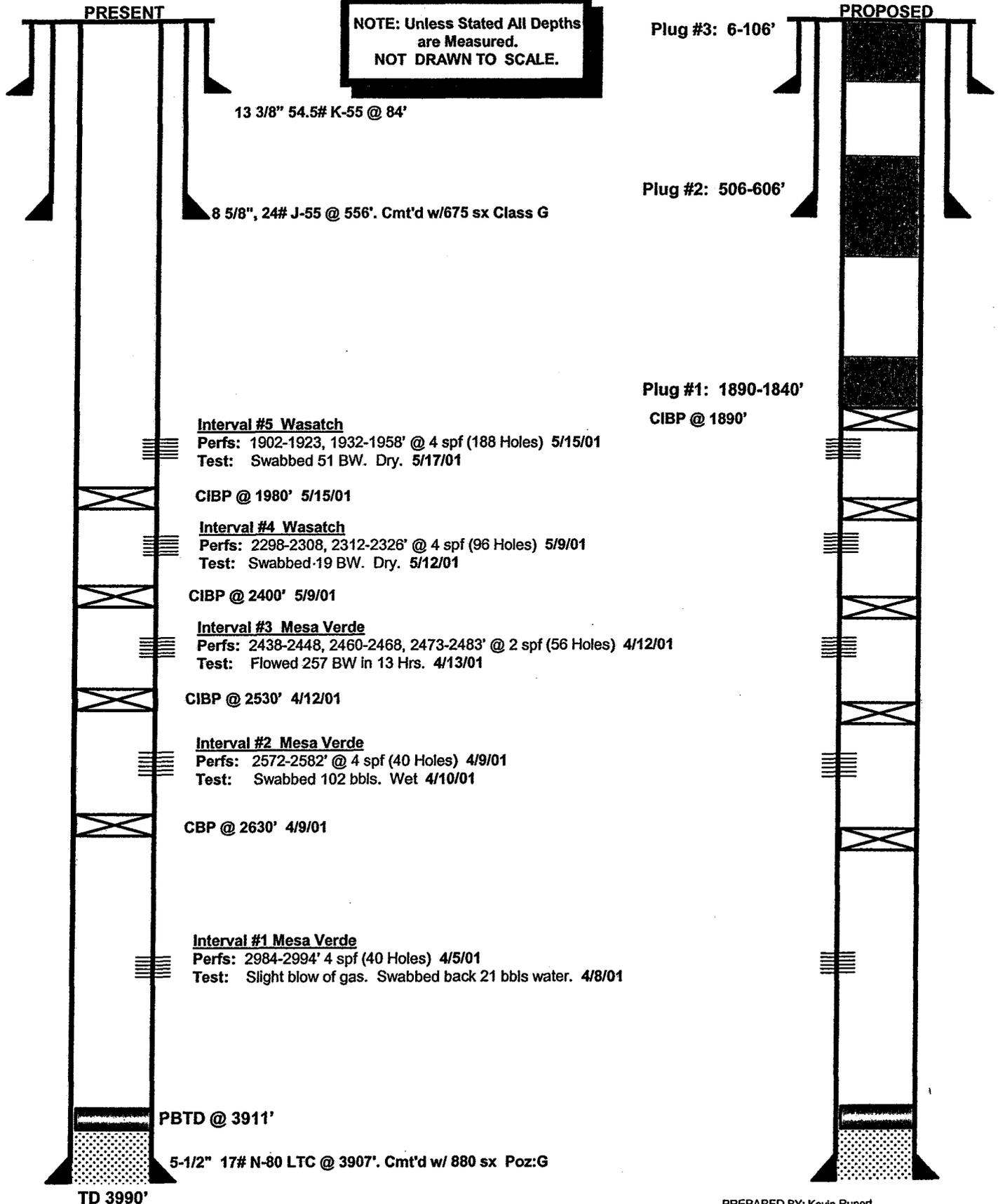
# DOMINION EXPLORATION & PRODUCTION

CONFIDENTIAL

SPUD: 2/14/01  
 COMPLETED:  
 WORKED OVER:

**Wildcat Cliffs 12-21L**  
 SEC: 21, T: 11S R: 25E  
 API: 43-047-33935

DATE: September 28, 2001



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

023

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 OR DEEPEN form for such purposes

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

2. NAME OF OPERATOR: DOMINION EXPLORATION & PRODUCTION, INC.

3. ADDRESS OF OPERATOR: 16945 NORTHCHASE DRIVE, SUITE 1750 HOUSTON, TEXAS 77060 PHONE NUMBER: (281) 873-3692

4. LOCATION OF WELL  
FOOTAGES AT SURFACE: 798' FWL & 2027' FSL  
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NW SW Sec. 21-T11S-R25E

5. LEASE DESIGNATION AND SERIAL NUMBER: FEE - Cliffs Synfuel Corp.

6. IF INDIAN, ALLOTTEE OR TRIBE NAME: \_\_\_\_\_

7. UNIT or CA AGREEMENT NAME: \_\_\_\_\_

8. WELL NAME and NUMBER: CLIFFS12-21

9. API NUMBER: 43-047-33935

10. FIELD AND POOL, OR WILDCAT: WILDCAT

COUNTY: UINTAH  
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: <u>Dec. 1, 2001</u>	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REFERFORATE 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 checked="" 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 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.)

*Non-commercial well. Operator requests permission to plug and abandon the Cliffs 12-21L.*

*Attached is the proposed plugging procedure. Any questions regarding the procedure can be directed to Kevin Rupert at 281-873-1512.*

RECEIVED

NOV 13 2001

DIVISION OF  
OIL, GAS AND MINING

NAME (PLEASE PRINT) Diann Flowers TITLE Regulatory Specialist

SIGNATURE *Diann Flowers* DATE 10/31/01

(This space for State use only)

COPY SENT TO OPERATOR  
Date: 11/20/01  
Initials: CD  
(See Instructions on Reverse Side)

APPROVED BY THE STATE  
OF UTAH DIVISION OF  
OIL, GAS, AND MINING

DATE: 11/20/01  
BY: *[Signature]*

\* See Conditions of Approval

**Plug Information:**

	<u>Plug #1</u>	<u>Plug #2</u>	<u>Plug #3</u>
Depth	1840-1890'	506-606'	6-106'
Volume	1.2 bbls	2.3 bbls	2.3 bbls
Cement	Class G	Class G	Class G
CaCl <sub>2</sub>	2%	2%	2%
Weight	15.8	15.8	15.8
Sacks	6	11.5	11.5

**Note: On site State Inspector may want to tag top of cement with tubing or wireline to determine the depth of the top of the plugs.**

**Cliffs 12-21L P & A Procedure**

MIRU W/O, Test BOP to 250 & 3000 psi Hold operations and Safety Meeting.

MIRU wireline company. GIH with CIBP and set at 1890. Test plug to 1000 psi for 30 minutes.

MIRU service company. Review plug calculations with Cement Supervisor and State Inspector.

P/U 2 3/8" 4.7# N-80 tubing. RIH open-ended.

PLUG #1: Balance cement plug between 1890-1840'. Pick up tubing to 1000' and reverse circulate tubing clean.

Load hole with 9.0 pps (or greater) fluid.

PLUG #2: Pull tubing out of hole laying down and balance cement plug between 506-606'.

Pull tubing clear of cement and reverse out.

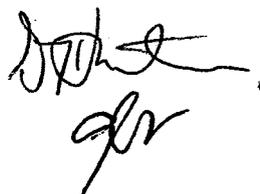
Let cement set for 2 hours. Pressure test plug to 1000 psi for 30 minutes.

PLUG #3: Pull tubing out of hole laying down and balance cement plug between 6-106'.

Pull tubing clear of cement and reverse out.

Rig Down and Move Out Rig and equipment. Cut casing 3' below ground level. Top off cement back to top of casing stub.

Weld on plate and install dry hole marker. Clean up location, re-seed, and return to original condition.

Handwritten signature and initials in black ink, located in the bottom right corner of the page.

# DOMINION EXPLORATION & PRODUCTION

SPUD: 2/14/01  
 COMPLETED:  
 WORKED OVER:

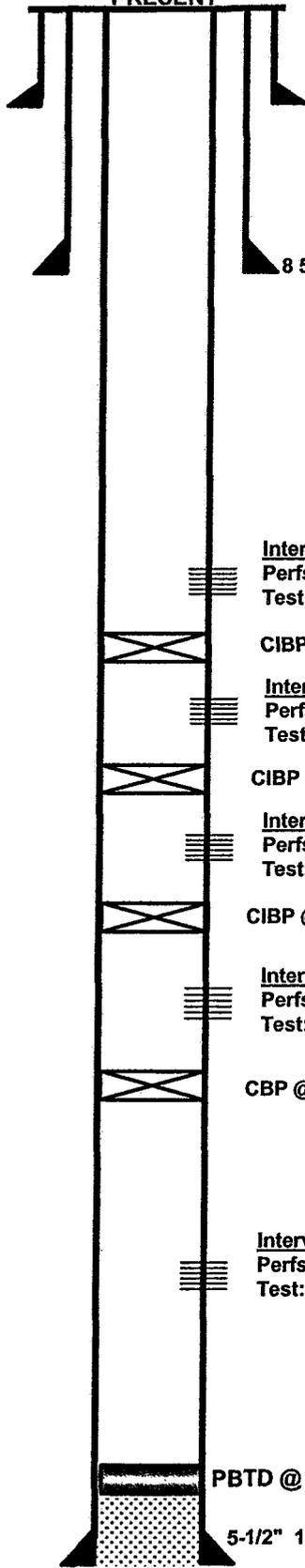
**Wildcat Cliffs 12-21L**  
 SEC: 21, T: 11S R: 25E  
 API: 43-047-33935

DATE: September 28, 2001

**PRESENT**

NOTE: Unless Stated All Depths  
 are Measured.  
 NOT DRAWN TO SCALE.

**PROPOSED**



13 3/8" 54.5# K-55 @ 84'

8 5/8", 24# J-55 @ 556'. Cmt'd w/675 sx Class G

**Interval #5 Wasatch**

Perfs: 1902-1923, 1932-1958' @ 4 spf (188 Holes) 5/15/01  
 Test: Swabbed 51 BW. Dry. 5/17/01

CIBP @ 1980' 5/15/01

**Interval #4 Wasatch**

Perfs: 2298-2308, 2312-2326' @ 4 spf (96 Holes) 5/9/01  
 Test: Swabbed 19 BW. Dry. 5/12/01

CIBP @ 2400' 5/9/01

**Interval #3 Mesa Verde**

Perfs: 2438-2448, 2460-2468, 2473-2483' @ 2 spf (56 Holes) 4/12/01  
 Test: Flowed 257 BW in 13 Hrs. 4/13/01

CIBP @ 2530' 4/12/01

**Interval #2 Mesa Verde**

Perfs: 2572-2582' @ 4 spf (40 Holes) 4/9/01  
 Test: Swabbed 102 bbls. Wet 4/10/01

CBP @ 2630' 4/9/01

**Interval #1 Mesa Verde**

Perfs: 2984-2994' 4 spf (40 Holes) 4/5/01  
 Test: Slight blow of gas. Swabbed back 21 bbls water. 4/8/01

PBTD @ 3911'

5-1/2" 17# N-80 LTC @ 3907'. Cmt'd w/ 880 sx Poz:G

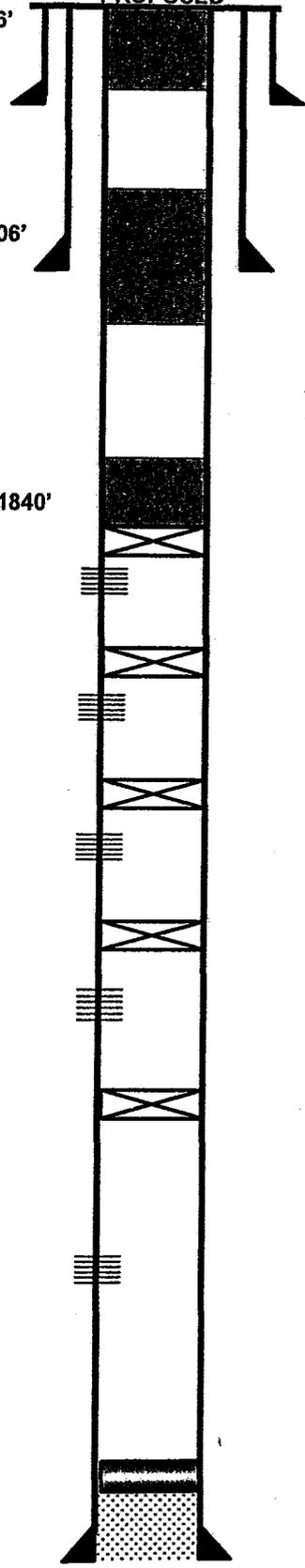
TD 3990'

Plug #3: 6-106'

Plug #2: 506-606'

Plug #1: 1890-1840'

CIBP @ 1890'





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

Michael O. Leavitt  
Governor  
Kathleen Clarke  
Executive Director  
Lowell P. Braxton  
Division Director

1594 West North Temple, Suite 1210  
PO Box 145801  
Salt Lake City, Utah 84114-5801  
801-538-5340  
801-359-3940 (Fax)  
801-538-7223 (TDD)

***CONDITIONS OF APPROVAL  
TO PLUG AND ABANDON WELL***

Well Name and Number: Cliffs 12-21  
API Number: 43-047-33935  
Operator: Dominion Exploration & Production, Inc.  
Reference Document: Original Sundry dated October 31, 2001, received  
by DOGM on November 13, 2001

Approval Conditions:

1. Notify the Division at least 24 hours prior to conducting abandonment operations. Please call Dan Jarvis at 801-538-5338.
2. Plug 1 shall be 100' in length (approx. 12 sx) from 1790' to 1890'.
3. Plug 2 shall be balanced across the Surface casing shoe @ 970' to 1070'.
4. Plug 3(surface plug) shall extend to the base of the Parachute Creek member and all annuli shall be filled to the base of the Parachute Creek member as specified in Board Order 190-13.
5. All balanced plugs shall be tagged to ensure the plugs are at the depths specified in the proposal.
6. Surface reclamation shall be done according to landowner's specifications or DOGM's minimum specifications.
7. All requirements in the Oil and Gas Conservation General Rules R649-3-24 and R649-3-31 and Board order 190-13 shall apply.
8. If there are any changes to the plugging procedure or wellbore configuration, notify Dustin Doucet at 801-538-5281 prior to continuing with the procedure.
9. All other requirements for notice and reporting in the Oil and Gas Conservation General Rules shall apply.

Dustin K. Doucet  
Petroleum Engineer

November 20, 2001

Date

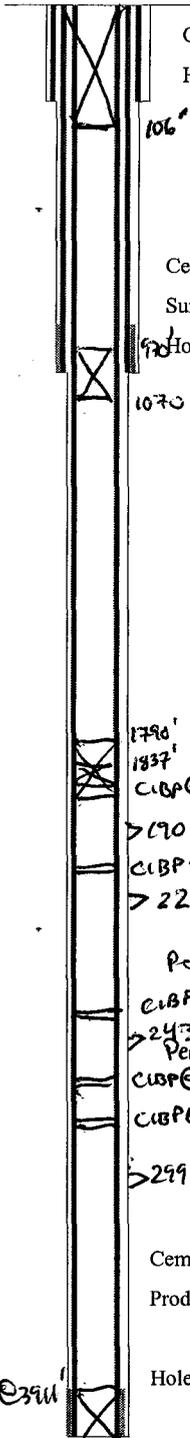
API Well No: 43-047-33935-00-00 Permit No:  
 Company Name: DOMINION EXPL & PROD INC  
 Location: Sec: 21 T: 11S R: 25E Spot: NWSW  
 Coordinates: X: 4412132 Y: 660055  
 Field Name: WILDCAT  
 County Name: Uintah

Well Name/No: CLIFFS 12-21

String Information

String	Bottom (ft sub)	Diameter (inches)	Weight (lb/ft)	Length (ft)
HOL1	90	17.5		
COND	90	13.375		
HOL2	1022	12.25		
SURF	1022	8.625	24	1022
SURF	1022	8.625	32	1022
HOL3	3990	7.875		
PROD	3990	5.5	17	3990

Casing Capacities  
 17# 5 1/2" = 7.661 f/cf



Conductor: 13.375 in. @ 90 ft.

Hole: 17.5 in. @ 90 ft.

Plug 3 (Surface Plug)  
 $(11.5)(7.661)(1.15) = 101'$

Cement from 1022 ft.

Surface: 8.625 in. @ 1022 ft.

Hole: 12.25 in. @ 1022 ft. from WCR

Plug 2  
 $(11.5)(7.661 f/cf)(1.15 c/sk) = 101'$

Cement Information

String	BOC (ft sub)	TOC (ft sub)	Class	Sacks
PROD	3990		G	880
SURF	1022		G	556

Perforation Information

Top (ft sub)	Bottom (ft sub)	Shts/Ft	No Shts	Dt Squeeze
2984	2994			
2572	2582			
2438	2483			
2298	2326			
1902 - 1923				

Plug 1  
 Proposed  
 $(6 SK)(7.661 f/cf)(1.15 c/sk) = 53'$   
 1790' needed,  $(100')/(7.661)(1.15) = 12 SK$   
 CIBP @ 1890

> 1902'  
 CIBP @ 1980  
 > 2298'

Perfs WSC  
 CIBP @ 2400'  
 > 2438'  
 Perfs - MV  
 CIBP @ 2530'  
 CIBP @ 2630'  
 > 2994'

Cement from 3990 ft.

Production: 5.5 in. @ 3990 ft.

Hole: 7.875 in. @ 3990 ft.

Formation Information

Formation	Depth	Formation	Depth
WSTC	1902		
MVRD	2436		

PBTD @ 3911'

TD: 3990 TVD: PBTD: 3911

024

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: Fee - Cliffs Snyfuel Corpo.
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:
4. LOCATION OF WELL FOOTAGES AT SURFACE: 798' FWL & 2027' FSL		8. WELL NAME and NUMBER: Cliffs 12-212
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NWSW 21 11S 25E		9. API NUMBER: 4304733935
COUNTY: Uintah		10. FIELD AND POOL, OR WILDCAT:
STATE: 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 (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 checked="" 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: 5/14/2002	<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.

Set CIBP @ 1890', spot a 107', type 5 cement plug on CIBP. Spot a 107' cement plug f/609' - 502'. At 103' spot 25 sx type 5 cement w/2% CACL2, returning 2 bbls of cement to surface. Cut off wellhead and install dry hole marker. Cut off dead man anchors. Remove reserve pit fence and clean up location.

Plugging was witnessed by state representative, Dave Hackford.

**RECEIVED**  
MAY 20 2002  
DIVISION OF  
OIL, GAS AND MINING

NAME (PLEASE PRINT) <u>Carla Christian</u>	TITLE <u>Regulatory Specialist</u>
SIGNATURE <u>Carla Christian</u>	DATE <u>5/15/2002</u>

(This space for State use only)

October 9, 2003

Mr. Brad Hill  
Utah Division of Oil, Gas and Mining  
1594 West North Temple, Suite 1210  
Box 145801  
Salt Lake City, UT 84114-5801

RE: Quest #12-21  
NW SW of Section 21 T11S R25E  
Uintah County, Utah

Dear Mr. Hill:

TCC is submitting for Utah Division of Oil & Gas and Mining review and approval Form 5 and associated documents for the above captioned location. This is a re-entry of the Dominion Cliffs 12-21L that was drilled in 2001. I have also enclosed the copies of the well diagram and the completion report filed by Dominion with the State of Utah. The enclosed documents are:

- 1) Form 5
- 2) Waiver of archeological investigation by Sage Geotech, agent for Cliffs Synfuels
- 3) Use of water for as authorized by Sage Geotech, agent for Cliffs Synfuels. The well TCC would use is the Anschutz 14-22. This well was used by Dominion during the drilling of the Cliffs 12-21L.
- 4) A copy of TCC's lease with Cliff Synfuels
- 5) A copy of a letter from Sage Geotech, agent for Cliffs Synfuel indicating TCC and Cliffs have a surface use agreement
- 6) Bond – TCC has a blanket bond on file with the State of Utah.\
- 7) A surveyors plat
- 8) A proposed re-entry and completion plan.
- 9) Copy of Dominion's Cliffs 12-21L well bore diagram
- 10) Copy of Dominion's Form 8 submitted to the State of Utah.
- 11) A copy of the blow out preventor diagram that will be used by the workover rig.

**RECEIVED**

**OCT 10 2003**

**DIV. OF OIL, GAS & MINING**

**RE-ENTRY AND COMPLETION PLAN  
(ABBREVIATED)  
Quest 12-21**

- 1) Build location, set up over abandon well bore with workover rig, weld the necessary amount of 5 ½" casing to the buried 5 1.2 casing.**
- 2) Drill out plugs and clean hole to 1980 feet. Use KCL water to drill with. The pit will be allowed to dry out before it is closed.**
- 3) Run in the hole with Baker Cased hole neutron tool and log well.**
- 4) Load hole with 7% KCL water**
- 5) Plan to perforate from 1900' to 1920'**
- 6) Swab on well in attempt to flow gas to surface**
- 7) If swabbing unsuccessful, frac zone with 30,000 lbs 40/20 sand and CO2**
- 8) Swab back frac fluid and prepare to hook up well to pipeline.**

**SAGE GEOTECH INC.**

P.O. Box 1211  
818 Taughenbaugh Blvd., Suite 105  
Rifle, CO 81650  
Phone 970/625-2445  
Fax 970/625-2448

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October 9, 2003

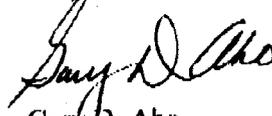
TCC Royalty Corporation  
14550 E. Easter Ave., Suite 1000  
Englewood, CO 80112-9272

Dear Mr. Tedesco:

Sage Geotech Inc. is serving as the local agent for Cliffs Synfuel Corp., the owner of lands in Uintah County, Utah. Cliffs Synfuel has leased certain lands to TCC Royalty for oil and gas exploration.

Cliffs Synfuel Corp and TCC Royalty have a surface use agreement for each drill site that TCC has spotted on the Cliffs Synfuel lands. TCC is authorized to represent the same to agencies during the permitting process for each well site..

Very truly yours,



Gary D. Aho  
President  
Agent for Cliffs Synfuel Corp.

**SAGE GEOTECH INC.**

P.O. Box 1211

818 Taughenbaugh Blvd., Suite 105

Rifle, CO 81650

Phone 970/625-2445

Fax 970/625-2448

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October 9, 2003

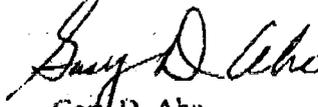
TCC Royalty Corporation  
14550 E. Easter Ave., Suite 1000  
Englewood, CO 80112-9272

Dear Mr. Tedesco:

Sage Geotech Inc. is serving as the local agent for Cliffs Synfuel Corp., the owner of lands in Uintah County, Utah. Cliffs Synfuel has leased certain lands to TCC Royalty for oil and gas exploration.

Cliffs Synfuel Corp. waives the requirement or need to perform archeological surveys on any of its lands prior to constructing drill sites, laying pipelines or similar work associated with TCC's exploration activities.

Very truly yours,



Gary D. Aho  
President

Agent for Cliffs Synfuel Corp.

**SAGE GEOTECH INC.**

P.O. Box 1211  
818 Taughenbaugh Blvd., Suite 105  
Rifle, CO 81650  
Phone 970/625-2445  
Fax 970/625-2448

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October 9, 2003

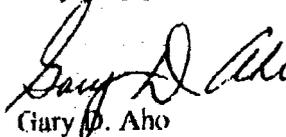
TCC Royalty Corporation  
14550 E. Easter Ave., Suite 1000  
Englewood, CO 80112-9272

Dear Mr. Tedesco:

Sage Geotech Inc. is serving as the local agent for Cliffs Synfuel Corp., the owner of lands in Uintah County, Utah. Cliffs Synfuel has leased certain lands to TCC Royalty for oil and gas exploration.

Cliffs Synfuel Corp owns a permitted water well in the SW/4 Section 22, Township 11 South, Range 25 East, Uintah County, Utah. Cliffs has authorized TCC Royalty to use water from the well for exploration drilling and related activities. Cliffs and TCC will sign an agreement on the use of the well but for the time being TCC has full access and rights to use the well and may represent the same to agencies.

Very truly yours,



Gary D. Aho  
President  
Agent for Cliffs Synfuel Corp.

Page 2  
October 9, 2003

The geologic tops:

- 1) Green River - surface
- 2) Top of Wasatch - 1502'
- 3) Top of Ohio Creek - 2167'
- 4) Top of Mesa Verde - 2435'

Other water, oil, gas and other mineral zones. All freshwater zones in the Green River are already cased behind pipe. The well surface location is located below any oil shale beds found in the Green River. Based on the results of the Dominion 12-21L there does not seem to be any oil zones to 3,911'. Based on the testing by Dominion there were no commercial gas zones found at that time. However, TCC plans to perforate, test and potentially frac a potential gas zone from 1900 to 1920 feet. Any other zones are behind either 1022' of surface casing or 2,911' of production casing.

No hydrogen sulfide is expected based on the previous results of this well when drilled by Dominion and the three adjacent wells operated by TCC in the Kicker Field. Those wells are the Quest 16-21, Quest 1-22 and Quest 6-28.

Pressures may vary from 800 to 900 lbs initial pressure as seen in the Quest 6-28 or 1300 lbs as seen in the Quest 1-22 and Quest 16-21.

We do not anticipate any coring. Testing will encompass swabbing after perfing the well and potentially swabbing after fracing the well. We do anticipate running a cased hole neutron tool once we reach the plug at 1980 feet. We do not plan to go below the plug at 1,980 feet.

We would like to permit this well as soon as possible, please call me if you have any questions. We would also like all data from TCC's re-entry to remain confidential for one year from the date of the permit. Thank you.

Sincerely,



Steven A. Tedesco

SAT\ctt  
Enclosures

# TCC ROYALTY CORP.

## QUEST #12-21

LOCATED IN UINTAH COUNTY, UTAH  
SECTION 21, T11S, R25E, S.L.B.&M.



PHOTO: VIEW OF LOCATION STAKE

CAMERA ANGLE: NORTHERLY



PHOTO: VIEW FROM BEGINNING OF PROPOSED ACCESS

CAMERA ANGLE: NORTHERLY



- Since 1964 -

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

LOCATION PHOTOS

09 30 03  
MONTH DAY YEAR

PHOTO

TAKEN BY: G.S.

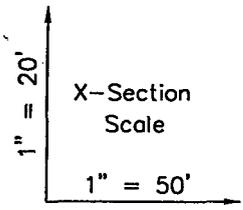
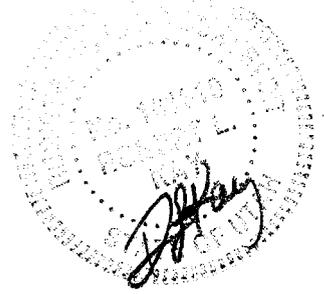
DRAWN BY: P.M.

REVISED: 10-06-03

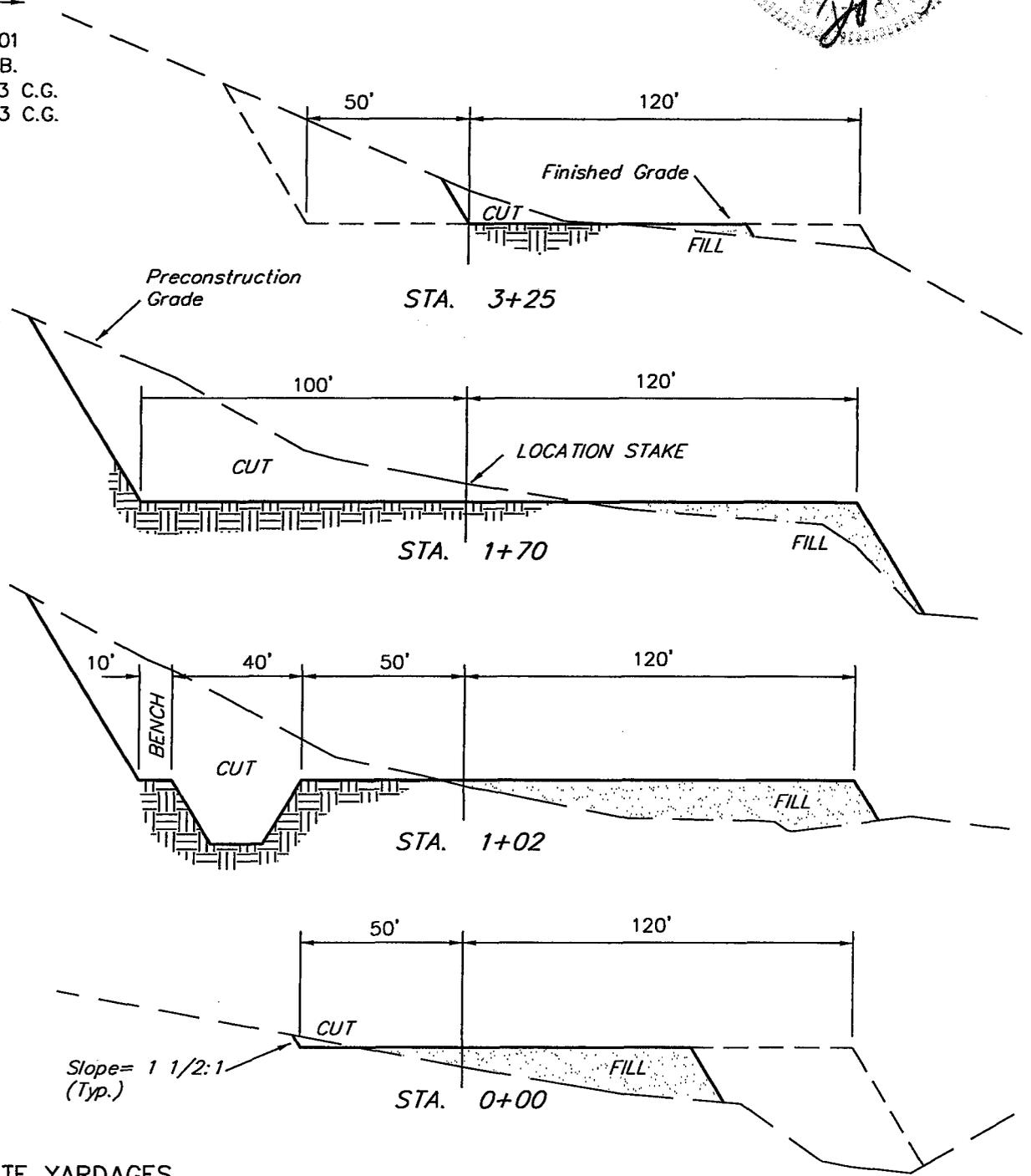


**TCC ROYALTY CORP.**  
**TYPICAL CROSS SECTIONS FOR**

QUEST #12-21  
 SECTION 21, T11S, R25E, S.L.B.&M.  
 2027' FSL 798' FWL



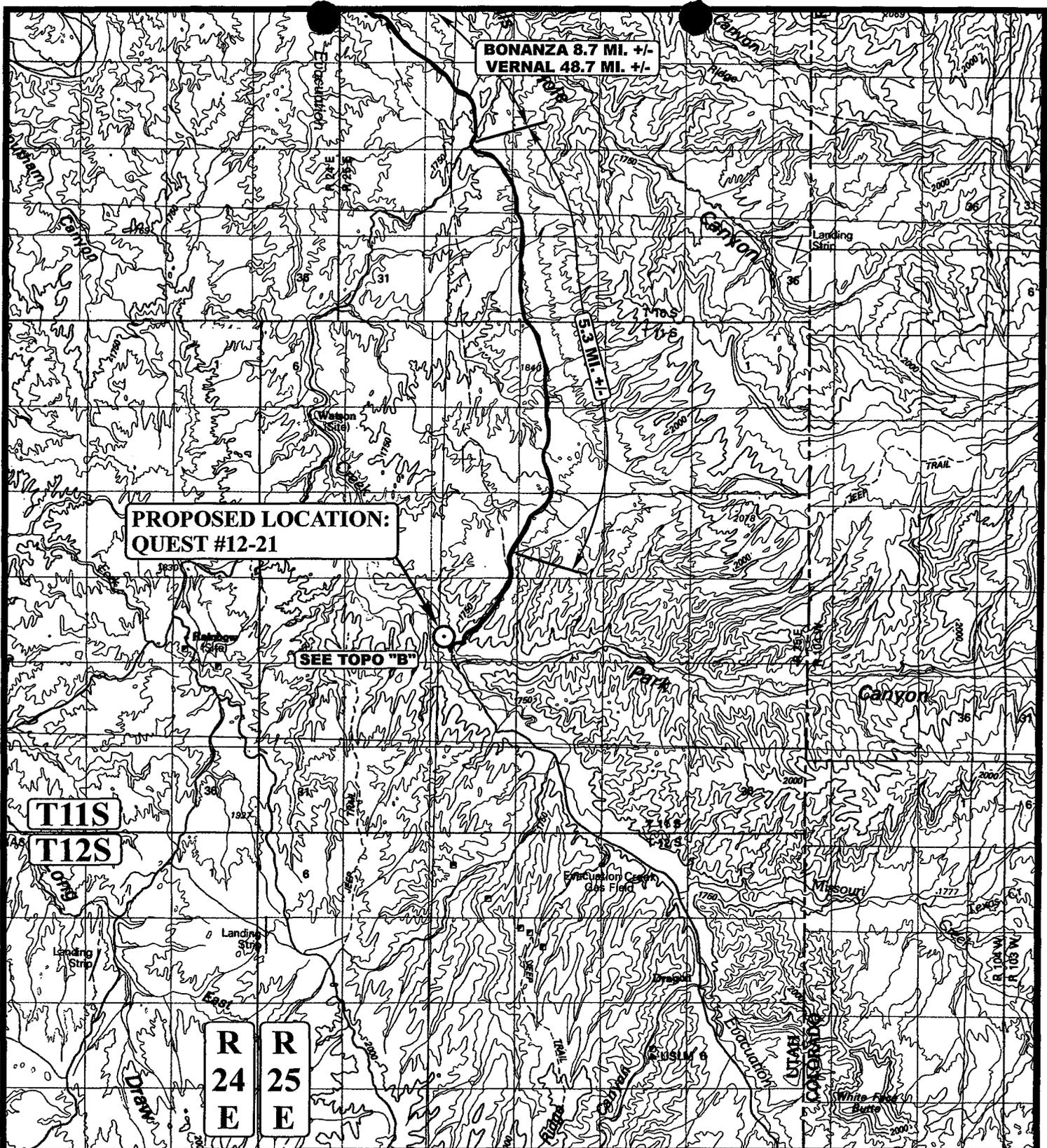
DATE: 02-13-01  
 Drawn By: D.R.B.  
 Revised: 10-1-03 C.G.  
 Revised: 10-6-03 C.G.



**APPROXIMATE YARDAGES**

<b>CUT</b>	
(6") Topsoil Stripping	= 1,040 Cu. Yds.
Remaining Location	= 6,000 Cu. Yds.
<b>TOTAL CUT</b>	<b>= 7,040 CU.YDS.</b>
<b>FILL</b>	<b>= 5,420 CU.YDS.</b>

EXCESS MATERIAL AFTER 5% COMPACTION	= 1,330 Cu. Yds.
Topsoil & Pit Backfill (1/2 Pit Vol.)	= 1,330 Cu. Yds.
EXCESS UNBALANCE (After Rehabilitation)	= 0 Cu. Yds.



**LEGEND:**

⊙ PROPOSED LOCATION

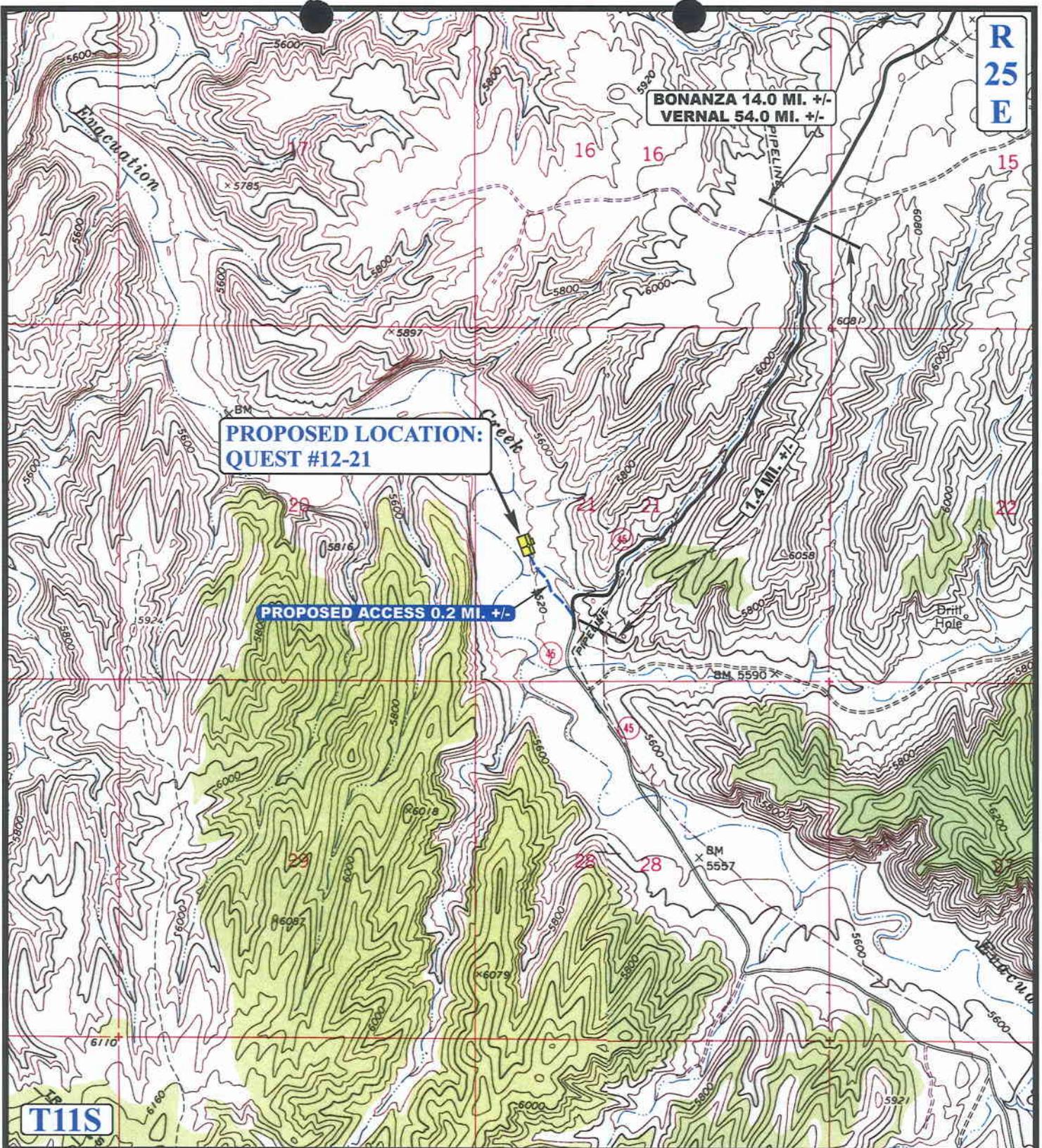


**TCC ROYALTY CORP.**

**QUEST #12-21**  
**SECTION 21, T11S, R25E, S.L.B.&M.**  
**2009' FSL 751' FWL**

	<b>Uintah Engineering &amp; Land Surveying</b> 85 South 200 East Vernal, Utah 84078 (435) 789-1017 * FAX (435) 789-1813
--	---

<b>TOPOGRAPHIC</b> <b>MAP</b>	<b>2</b> MONTH	<b>9</b> DAY	<b>01</b> YEAR	
	SCALE: 1:100,000	DRAWN BY: D.C.	REV: 10-06-03 P.M.	



**LEGEND:**

-  EXISTING ROAD
-  PROPOSED ACCESS ROAD

**TCC ROYALTY CORP.**

**QUEST #12-21**  
**SECTION 21, T11S, R25E, S.L.B.&M.**  
**2009' FSL 751' FWL**

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



**TOPOGRAPHIC** **2 9 01**  
**MAP** MONTH DAY YEAR  
 SCALE: 1" = 2000' DRAWN BY: C.G. REV: 10-06-03 P.M.

**B**  
**TOPO**

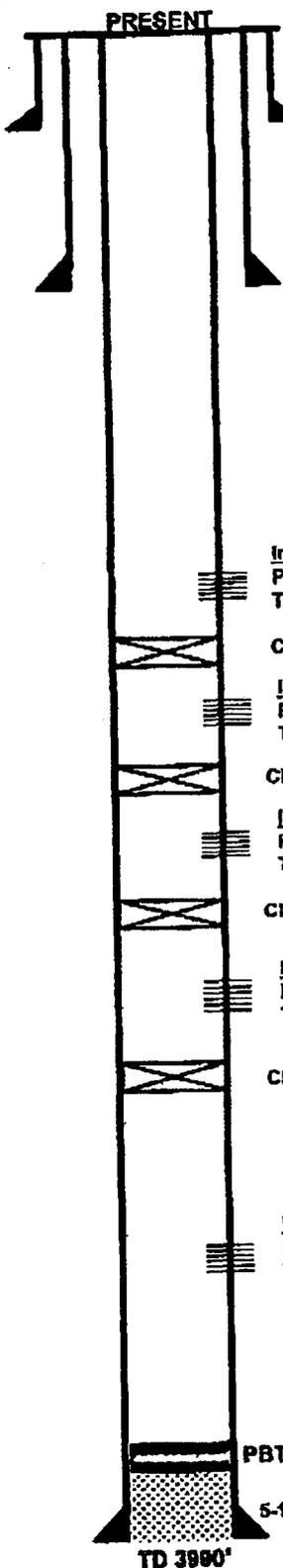
# DOMINION EXPLORATION & PRODUCTION

CONFIDENTIAL

SPUD: 2/14/01  
COMPLETED:  
WORKED OVER:

**Wildcat Cliffs 12-21L**  
SEC: 21, T: 11S R: 25E  
API: 43-047-33935

DATE: September 28, 2001



**NOTE: Unless Stated All Depths are Measured. NOT DRAWN TO SCALE.**

13 3/8" S4.5# K-55 @ 84'

8 5/8" 24# J-55 @ 556'. Cmt'd w/675 sx Class G

Interval #5 Wasatch  
Perfs: 1902-1923, 1932-1958' @ 4 spf (188 Holes) 5/15/01  
Test: Swabbed 51 BW. Dry. 5/17/01

CIBP @ 1980' 5/15/01

Interval #4 Wasatch  
Perfs: 2298-2308, 2312-2326' @ 4 spf (96 Holes) 5/9/01  
Test: Swabbed -19 BW. Dry. 5/12/01

CIBP @ 2400' 5/9/01

Interval #3 Mesa Verde  
Perfs: 2438-2448, 2460-2468, 2473-2483' @ 2 spf (56 Holes) 4/12/01  
Test: Flowed 257 BW in 13 Hrs. 4/13/01

CIBP @ 2530' 4/12/01

Interval #2 Mesa Verde  
Perfs: 2572-2582' @ 4 spf (40 Holes) 4/9/01  
Test: Swabbed 102 bbls. Wet 4/10/01

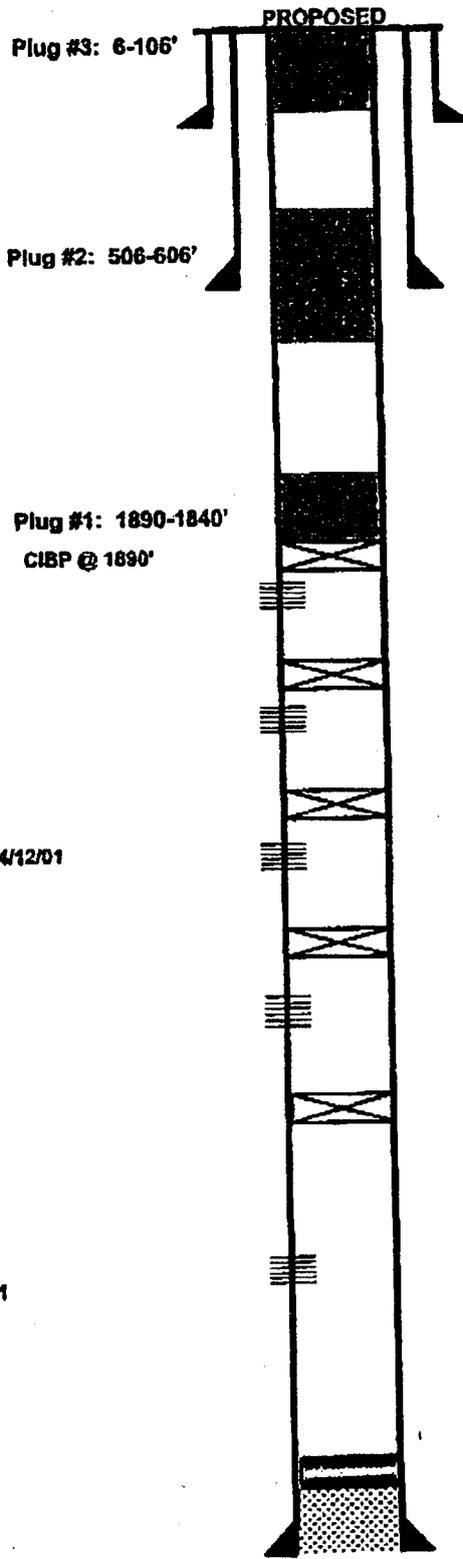
CIBP @ 2630' 4/9/01

Interval #1 Mesa Verde  
Perfs: 2984-2994' @ 4 spf (40 Holes) 4/5/01  
Test: Slight blow of gas. Swabbed back 21 bbls water. 4/8/01

PBD @ 3911'

5-1/2" 17# N-80 LTC @ 3907'. Cmt'd w/ 880 sx Poz:G

TD 3990'



Plug #3: 6-106'

Plug #2: 506-606'

Plug #1: 1890-1840'  
CIBP @ 1890'

PREPARED BY: Kevin Rupert  
Cliffs 12-21L\_1.dpt

# Wellbore Diagram

API Well No: 43-047-33935-00-00 Permit No:  
 Company Name: DOMINION EXPL & PROD INC  
 Location: Sec: 21 T: 11S R: 25E Spot: NWSW  
 Coordinates: X: 4412132 Y: 660055  
 Field Name: WILDCAT  
 County Name: Uintah

Well Name/No: CLIFFS 12-21

### String Information

String	Bottom (ft sub)	Diameter (inches)	Weight (lb/ft)	Length (ft)
HOL1	90	17.5		
COND	90	13.375		
HOL2	1022	12.25		
SURF	1022	8.625	24	1022
SURF	1022	8.625	32	1022
HOL3	3990	7.875		
PROD	3990	5.5	17	3990

### Casing Capacities

17# 5 1/2" = 7.661 f/cf

### Cement Information

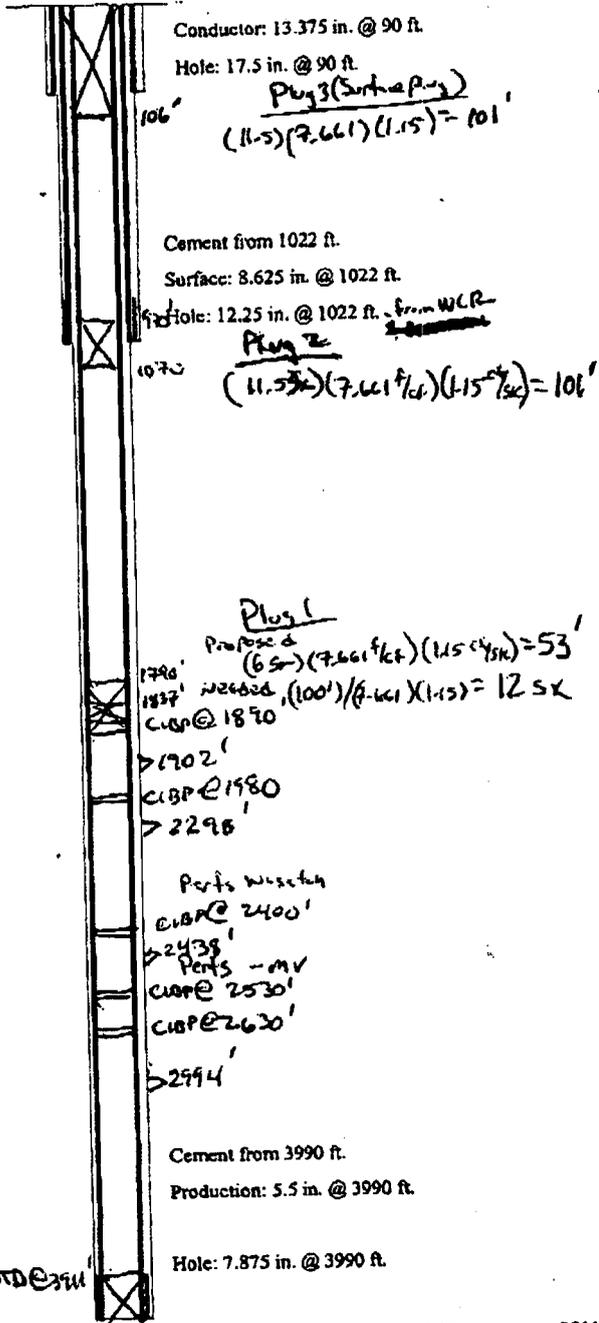
String	BOC (ft sub)	TOC (ft sub)	Class	Sacks
PROD	3990		G	880
SURF	1022		G	556

### Perforation Information

Top (ft sub)	Bottom (ft sub)	Shts/Ft	No Shts	Dt Squeeze
2984	2994			
2572	2582			
2438	2483			
2298	2326			
1902 - 1923				

### Formation Information

Formation	Depth	Formation	Depth
WSTC	1902		
MVRD	2436		



P&TD 3990 TVD: P&TD: 3911

**Plug Information:**

	<u>Plug #1</u>	<u>Plug #2</u>	<u>Plug #3</u>
Depth	1840-1890'	506-606'	6-106'
Volume	1.2 bbls	2.3 bbls	2.3 bbls
Cement	Class G	Class G	Class G
CaCl <sub>2</sub>	2%	2%	2%
Weight	15.8	15.8	15.8
Sacks	6	11.5	11.5

**Note: On site State Inspector may want to tag top of cement with tubing or wireline to determine the depth of the top of the plugs.**

**Cliffs 12-21L P & A Procedure**

MIRU W/O. Test BOP to 250 & 3000 psi Hold operations and Safety Meeting.

MIRU wireline company. GIH with CIBP and set at 1890. Test plug to 1000 psi for 30 minutes.

MIRU service company. Review plug calculations with Cement Supervisor and State Inspector.

P/U 2 3/8" 4.7# N-80 tubing. RIH open-ended.

**PLUG #1:** Balance cement plug between 1890-1840'. Pick up tubing to 1000' and reverse circulate tubing clean.

Load hole with 9.0 pps (or greater) fluid.

**PLUG #2:** Pull tubing out of hole laying down and balance cement plug between 506-606'.

Pull tubing clear of cement and reverse out.

Let cement set for 2 hours. Pressure test plug to 1000 psi for 30 minutes.

**PLUG #3:** Pull tubing out of hole laying down and balance cement plug between 6-106'.

Pull tubing clear of cement and reverse out.

Rig Down and Move Out Rig and equipment. Cut casing 3' below ground level. Top off cement back to top of casing stub.

Weld on plate and install dry hole marker. Clean up location, re-seed, and return to original condition.

*John  
gbr*

**CONFIDENTIAL**

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

AMENDED REPORT  FORM 8  
(highlight changes)

**WELL COMPLETION OR RECOMPLETION REPORT AND LOG**

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

1b. TYPE OF COMPLETION: NEW WELL  WORK OVER  DEEP-EN  RE-ENTRY  DIFF. RESVR.  OTHER \_\_\_\_\_

5. LEASE DESIGNATION AND SERIAL NUMBER:  
**FEE**

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT or CA AGREEMENT NAME

8. WELL NAME and NUMBER:  
**CLIFFS 12-21**

2. NAME OF OPERATOR  
**DOMINION EXPL. & PROD., INC.**

3. ADDRESS OF OPERATOR  
**16945 NORTHCHASE DRIVE, SUITE 1750 HOUSTON, TEXAS 77060**

PHONE NUMBER:  
**(281) 873-3692**

10. FIELD AND POOL, OR WILDCAT  
**WILDCAT**

4. LOCATION OF WELL (FOOTAGES)  
AT SURFACE:  
**2027' FSL & 798' FWL**  
AT TOP PRODUCING INTERVAL REPORTED BELOW:

**CONFIDENTIAL**  
**PERIOD EXPIRED**  
**ON 04-24-02**

11. QTR/CTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:  
**NW SW, Sec. 21, T11S, R25E**

12. COUNTY  
**UINTAH**

13. STATE  
**UTAH**

14. DATE SPUDDED  
**2/14/01**

15. DATE T.D. REACHED  
**3/24/01**

16. DATE COMPLETED: **3-24-01**  
**See remarks**

17. ELEVATIONS (DF, RKB, RT, GL):  
**GR: 5527'**

18. TOTAL DEPTH: MD **3990'**  
TVD

19. PLUG. BACK T.D.: MD **3911'**  
TVD

20. IF MULTIPLE COMPLETIONS, HOW MANY?

21. DEPTH BRIDGE PLUG SET: MD **Remarks**  
TVD

22. TYPE ELECTRIC AND OTHER MECHANICAL LOGS RUN (Submit copy of each)  
**GR TOP / NP / DIL / RSC - 10-26-01 ASCT - 10-26-01**  
**CBL Not Run per Diann Flowers 11-16-01**

23. WAS WELL CORED? NO  YES  (Submit analysis)  
Drill System Test 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 (WTL)	TOP (MD)	BOTTOM (MD)	STAGE CEMENTER DEPTH	CEMENT TYPE & NO. OF SACKS	SLURRY VOLUME (BBL)	CEMENT TOP **	AMOUNT PULLED
17-1/2"	13-3/8"	54.5#	SURFACE	90'		CONDUCTOR		CALC	
12-1/4"	8 5/8" K55	24/32#	SURFACE	1022'		556 SX G		CIRC	
7-7/8"	5 1/2" N80	17.0#	SURFACE	3990'		880 SX G		CIRC	

25. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)

26. PRODUCING INTERVALS

FORMATION NAME	TOP (MD)	BOTTOM (MD)	TOP (TVD)	BOTTOM (TVD)
WASATCH	1902-1958	45-84	open	

27. PERFORATION RECORD

INTERVAL (TopBot - MD)	SIZE	NO. HOLES	PERFORATION STATUS
2984-2994	.47	40	Open <input checked="" type="checkbox"/> Squeezed <input type="checkbox"/>
2572-2582	.39	40	Open <input checked="" type="checkbox"/> Squeezed <input type="checkbox"/>
2438-2483	.43	56	Open <input checked="" type="checkbox"/> Squeezed <input type="checkbox"/>
2298-2326	.45	96	Open <input checked="" type="checkbox"/> Squeezed <input type="checkbox"/>

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

DEPTH INTERVAL	AMOUNT AND TYPE OF MATERIAL
	<b>N/A</b>

29. ENCLOSED ATTACHMENTS:

ELECTRICAL/MECHANICAL LOGS  
 SUNDRY NOTICE FOR PLUGGING AND CEMENT VERIFICATION  
 GEOLOGIC REPORT  
 CORE ANALYSIS  
 DST REPORT  
 OTHER:

30. WELL STATUS:

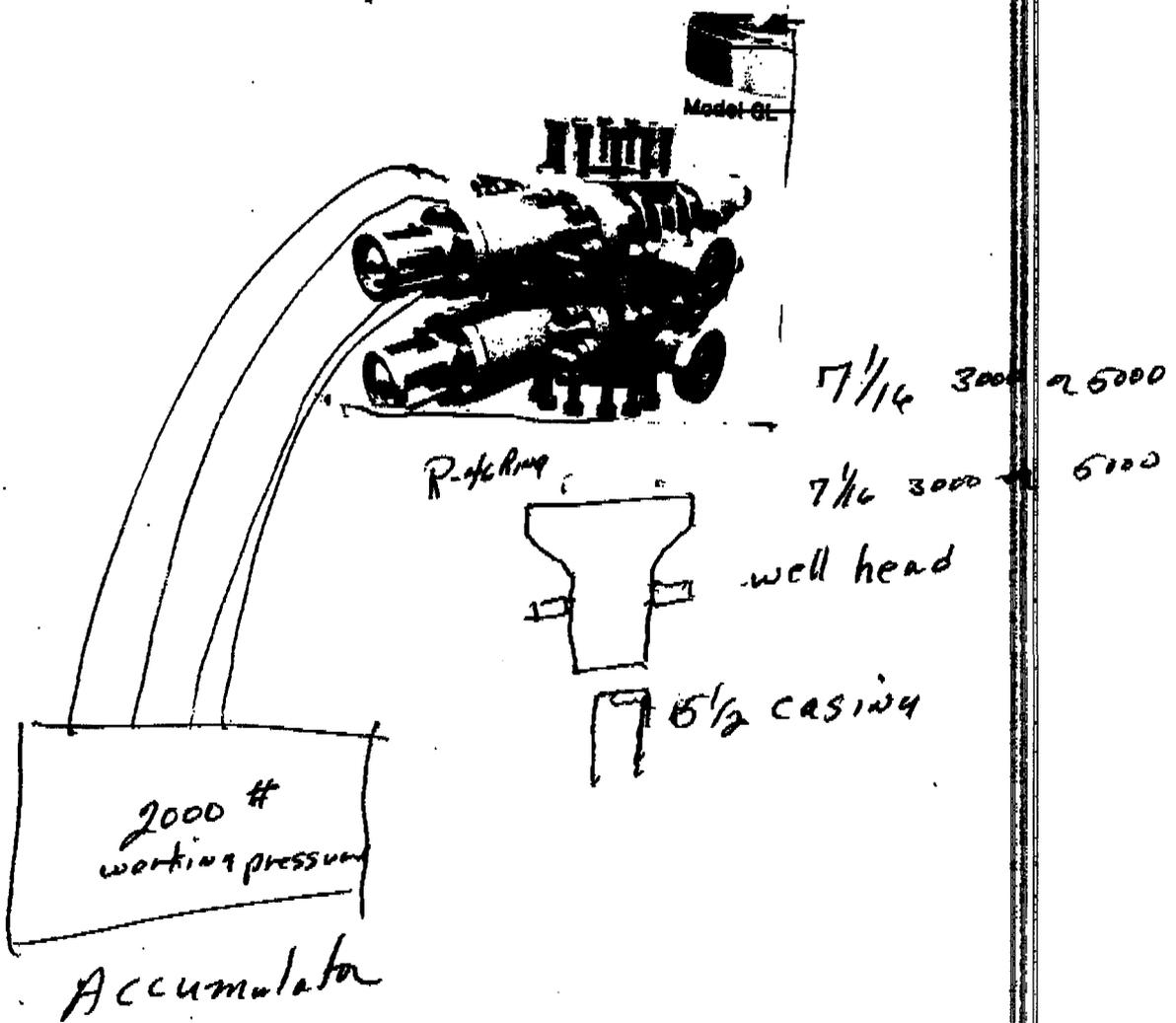
**RECEIVED**

OCT 29 2001

DIVISION OF  
OIL, GAS AND MINING

(CONTINUED ON BACK)

to Steve Tedesco



OIL AND GAS LEASE

Entry 2003007054  
Book 854 Page 641

THIS AGREEMENT, made effective as to the 1st day of September, 2003, between CLIFFS SYN FUEL CORP., a Utah Corporation, P.O. Box 1211, Rifle, Colorado 81650, as Lessor, and TCC RYOALTY CORP., a Colorado Corporation, 14550 East Easter Ave., Ste 1000, Englewood, CO 80112, as Lessee:

WITNESSETH THAT:

I.  
LEASED INTEREST

Lessor, in consideration of Ten Dollars (\$10.00) and other good and valuable consideration in hand paid, the receipt of which is hereby acknowledged, of the royalties herein provided, and of the agreements of Lessee herein contained, does hereby grant, lease and let exclusively unto Lessee for the purposes of investigating, exploring, drilling for, and producing only the Lessor's oil and/or gas and/or coalbed methane interests in the following described land (herein sometimes called "leased premises") in the County of Uintah, State of Utah to wit:

Township 11 South. Range 25 East. SLM  
Section 21: SWSE, N/2SW/4, SESW,  
Section 28: W/2NE

Entry 2003007054  
Book 854 Page 641-650 \$29.00  
08-SEP-03 02:37  
RANDY SIMMONS  
RECORDER, UINTAH COUNTY, UTAH  
TCC ROYALTY CORP 80112-4272  
14550 E EASTER AVE #1000 ENGLEWOOD CO  
By the Prioritization of Addresses, DEPUTY

Containing 240.00 acres, more or less. The acreage may be less beyond the Primary Term (Articles VI and XVI). It is expressly understood that the lease does not include the right to mine, process or treat the oil shale beds of the Parachute Creek Member of the Green River Formation.

Lessee shall also have the right on the leased premises to lay pipelines, build roads, tanks, power stations, telephone lines, and other structures thereto to produce, save, take care of, treat, transport and own said products, subject to the rights of the surface owner or owners of the leased premises.

Whenever Lessor is also surface owner, Lessor and Lessee shall also sign a Right-Of Way and surface damage agreement for each well site, using the template attached as Exhibit B.

II.  
TERM

Subject to the other provisions herein contained, this lease shall be for a term of One (1) year from September 1st, 2003 (called "primary term") and so long thereafter as oil and/or gas is produced in paying quantities from the leased premises or lands pooled therewith, or as long as drilling operations are prosecuted thereon as hereinafter provided. As used herein, paying quantities shall mean production of oil and/or gas in quantities sufficient to yield a return in excess of operating costs. Refer to Articles VI and XVI for lands under lease beyond primary term.

III.  
PAID-UP LEASE

This is a paid-up lease. In consideration of an up front cash payment, the receipt of which is hereby acknowledged, Lessor agrees that Lessee shall not be obligated to commence or continue any operations during the primary term. Lessee may at any time or times during or after the primary term surrender this lease as to all or any portion of said land and as to any strata or stratum by delivering to Lessor or by filing for record a release or releases; and be relieved of all obligation thereafter accruing as to the acreage surrendered. It is hereby acknowledged that the up front cash payment referenced herein is the consideration paid by Lessee to Lessor for the rights and privileges granted under this lease and shall not be recoverable by Lessee out of any royalties or other payments that may become due and payable to Lessor under the terms of this lease.

IV.  
ROYALTIES

The royalties reserved by Lessor, and which shall be paid by Lessee, are:

- A. On oil, an equal three-sixteenths (3/16ths) of the fair market value (or value received, whichever is greater) of oil at the well or delivered into a pipeline.
- B. On gas, including casinghead gas and other gaseous substances produced from said lands and sold or used off the premises, Lessor shall be entitled to receive as royalties thereon three-sixteenths (3/16ths) of the market value thereof computed in the following manner:
  - 1. Three-sixteenths (3/16ths) of the gross market value in the field of all condensate, distillate, natural gasoline and other liquid hydrocarbons separated or extracted from such gas by the use of conventional type separator or separators at or near the well; and
  - 2. Three-sixteenths (3/16ths) of the gross market value at the plant of all condensate, distillate, natural gasoline, butanes, propanes and other liquid hydrocarbons separated, extracted or processed from such gas by or through a recycling plant, gasoline plant or processing plant other than a recycling plant there shall first be deducted from the value of each gallon of liquid hydrocarbons separated, extracted or processed the fair and reasonable cost of such operations; and
  - 3. Three-sixteenths (3/16ths) of the gross price received by Lessee for any and all gas or residue remaining after any such separation, extraction or processing operations.
- C. Any royalties due under the terms of this lease shall be paid or tendered to Lessor by Lessee (or someone in its behalf) within sixty (60) days after the end of each calendar month in which the oil and/or

gas is sold. Such royalties shall be paid or tendered to Lessor at the address first set forth above. All payments or tenders may be made by cash or check, mailed or delivered on or before the expiration of such sixty (60) day period and the depositing of such cash or check in any post office, addressed to Lessor, on or before the end of said sixty (60) day period shall be deemed payment or tender as herein provided.

D. Lessee, or its designee, shall keep a true and correct record of all oil and gas produced, removed, sold or used from the leased premises and Lessor at all reasonable times shall have the right to audit and inspect same fully and completely. Any such audit or inspection conducted by Lessor shall be at Lessor's sole cost and expense. All payments or tenders made by Lessee to Lessor for earned royalties shall be conclusive and final two (2) years after the date of such payment or tender and shall no longer be subject to audit or inspection under the terms of this provision.

**V.  
LEASE HELD BY PRODUCTION**

If at the expiration of the primary term of this lease, oil or gas is not being produced in paying quantities on the above described leased premises but Lessee is then engaged in drilling operations thereon or lands pooled or unitized therewith, this lease shall remain in full force and effect so long as said drilling operations are diligently prosecuted, with no cessation of more than one hundred twenty (120) consecutive days, and, if said drilling operations result in production of oil or gas, this lease shall remain in force so long thereafter as oil or gas is produced in paying quantities from said land, subject to the applicable drillsite spacing unit and restrictions in Article VI. In the event any well drilled pursuant to this paragraph is completed as a dry hole, Lessee may continue this lease in force and effect as to all lands covered hereby so long as drilling operations are being conducted continuously upon the leased premises until production is so established. For purposes of this lease "drilling operations" shall be deemed to include operations for the drilling of a new well or deepening of an existing well conducted in an effort to obtain or re-establish production of oil or gas; and as used in this paragraph "continuously" shall have the same meaning as set forth in paragraph VI below

**VI.  
LEASE PARTIALLY HELD BY PRODUCTION**

In the event the term of this lease is extended beyond the primary term by production, said term shall be extended only as to those lands allocated, by governmental authority or regulation, to the spacing unit around each producing well and lessee shall promptly surrender the lease as to those lands which are not held by production; provided, however, Lessee may continue this lease in force and effect as to all lands covered hereby so long as drilling operations are being conducted continuously upon the leased premises (Article V). For the purposes hereof, "continuously" shall mean that no more than one hundred twenty (120) days between the completion or abandonment of one well and the commencement of drilling on another. Drilling operations shall not be deemed to have commenced until the actual spudding of a well. For purposes hereof, the drillsite spacing unit for a producing oil well shall be deemed to be forty (40) acres and the drillsite spacing unit for a producing gas well shall be deemed to be one hundred sixty (160) acres, or the spacing unit fixed by the authorized agency for the State of Utah, which ever is the greater.

**VII.  
OFFSET WELLS**

In the event a well producing oil and /or gas should be brought in on adjacent lands and draining the leased premises, Lessee agrees to drill such offset well as a prudent Operator would drill under the same or similar circumstances.

**VIII.  
PIPELINE BURIAL**

When required by Lessor, Lessee will bury all pipelines below ordinary plow depth, and no well shall be drilled within two hundred (200) feet of any residence or barn now on said lands without the surface owner's prior, written consent. Whenever Lessor is also the surface owner, Lessor and Lessee shall also sign a Right-Of-Way and Easement Agreement for all pipelines crossing Lessor's surface lands.

**IX.  
DESIGNATED OIL SHALE AREA**

Lessee agrees to abide by any present and future directives, policies, position statements, laws or regulations of the State of Utah or the federal government (or any agency thereof) designed to protect either coal seams or oil shale deposits, including but not limited to those specific rules set forth in the General Rules and Regulations of the Utah Board of Oil, Gas and Mining, as amended, pertaining to such matters. Lessee acknowledges that the leased premises under this agreement were designated as an "Oil Shale Area" on June 8, 2001 and Lessee hereby agrees to follow the Board's procedure for wells drilled in designated "Oil Shale Areas" as set forth in the aforementioned General Rules and Regulations.

X.  
**TRANSFER OF LEASE**

This lease shall not be subleased, or assigned, nor the rights hereunder transferred in any manner without the prior written consent of Lessor, which consent shall not be unreasonably withheld. No change or division in ownership of the lands, however accomplished, shall operate to enlarge the obligations or diminish the rights of Lessee; and no change or division in such ownership shall be binding on Lessee until forty-five (45) days after Lessee shall have been furnished by registered U.S. mail at Lessee's principal place of business with a certified copy of recorded instrument or instruments evidencing the same. In the event of subletting or assignment hereof in whole or in part, if consent to sublet or assign is granted, the express and implied covenants hereof shall extend to the sub lessees, successors and assigns of Lessor and Lessee and the liability for breach of any obligation hereunder shall rest exclusively upon the such assignee or sublessee of this lease, or portion thereof, who commits the breach.

XI.  
**PAYMENT IN LIEU OF PRODUCTION**

If a well capable of producing oil, gas or gas and gas-condensate in paying quantities located on the leased premises (or on acreage pooled or unitized therewith for the drilling or operation of such well) is at any time shut in and no oil, gas or gas-condensate there from is sold or used off the premises for the manufacture of gasoline or other products, such shut-in-well shall be deemed to be a well on the leased premises producing gas in paying quantities and this lease will continue in force during all of the time or times while such well is so shut in, whether before or after the expiration of the primary term hereof. Lessee shall be obligated to pay or tender to Lessor within 45 days after the expiration of each period of one year in length (annual period) during which such well is so shut-in, as royalty, an amount equal to Two Dollar (\$2.00) per net mineral acre then covered by this lease allocated to such well (eg: drillsite spacing unit) as of the end of such annual period; provided that if oil, gas or gas-condensate from such well is sold, or used as aforesaid, before the end of any such annual period Lessee shall not be obligated to pay or tender, for that particular annual period, said sum of money. Such payment shall be deemed a royalty under all provisions of this lease. Lessee shall use reasonable diligence to market oil, gas or gas-condensate capable of being produced from such shut-in well but shall be under no obligation to market such products under terms, conditions or circumstances which, in Lessee's judgement exercised in good faith, are unsatisfactory. After the primary term hereof, the terms of this paragraph shall in no event extend Lessee's rights under this lease for more than three (3) consecutive years unless the circumstances resulting in such well being shut in are beyond the reasonable control of Lessee as set forth in Article XXII; provided however that at the end of any such three (3) year period, Lessee may extend the provisions of this paragraph for up to an additional three (3) consecutive years by making like royalty payments on the basis of six dollars (\$6.00) per net mineral acre then covered by this lease and allocated to such well.

XII.  
**NO WARRANTY OF TITLE**

This lease is made without warranty of title, either express or implied; however, it is agreed that if Lessor owns a less interest in the leased premises than the entire and undivided fee simple estate therein, then the royalties herein provided for shall be paid the Lessor only in the proportion that Lessor's interest bears to the whole and undivided fee.

XIII.  
**DATA TRANSFER**

Lessee agrees to furnish to Lessor as to each well drilled on the leased premises by Lessee, the well information as set forth on Exhibit "A" attached hereto and made a part hereof, which information shall be for the sole use of Lessor and shall not be released by Lessor to any third party without the prior written consent of Lessee so long as this lease is in effect. Lessor, at its sole risk and expense, shall have free access to the premises and to the derrick floor of each well drilled on the leased premises.

XIV.  
**RIGHT OF LESSOR TO PURCHASE LIQUID PRODUCTION**

Lessor hereby reserves the continuing right and option to purchase the oil and/or other liquid hydrocarbons (including condensate, distillate and other liquids recovered from the well stream by normal lease separation methods) which may be produced and saved from the leased premises and which are attributable to Lessor's mineral interest covered by this lease. The price to be paid therefore shall be Lessee's posted price applicable thereto for the particular field or the average price paid for such oil and/or liquid hydrocarbons of the same grade and gravity by other purchasers in the field, whichever is the greater. The failure of Lessor to exercise said right and option shall not be held a waiver of the privilege to do so at any later time and such right and option may be exercised from time to time by the giving of thirty (30) days notice in writing of the election to so purchase. If Lessor exercises its option and right to purchase oil or condensate from any and all producing wells operated by the Lessee it shall indemnify Lessee against all losses, costs, claims, liabilities, litigation, demands, damages and expenses (including all attorney fees) resulting from the actions of Lessor's agents, employees and contractors and/or Lessee's need to exit other sales contracts or legal obligations. Lessor's right to purchase is subject to Lessor bearing the sole cost and expenses of equipment necessary to safely transport and

accurately measure any gas produced from any and all wellbores operated by Lessee subject to this lease. Lessor's operations will adhere and comply to all governing rules and regulations of the State of Utah and Federal regulations and acceptable petroleum industry practices..

**XV.  
RIGHT OF LESSOR TO PURCHASE GAS PROPERTIES**

Lessor hereby reserves the preferential right and option, to be exercised from time to time as hereinafter set forth, to purchase the gas (the term "gas" to include natural gas, casinghead gas and other gaseous substances and all constituents thereof in the well stream other than the liquid hydrocarbons described in Article XIV. above) produced and saved from the leased premises and which are attributable to Lessor's mineral interest covered by this lease. Any gas so purchased by Lessor shall be on the same terms (or terms economically equivalent thereto) as those under which Lessee proposes to sell or dispose of same to another prospective purchaser that is ready, willing, and able to purchase the gas. Lessee, upon becoming aware of a bona fide available market for such gas shall promptly give Lessor written notice at the address first set forth above of such market, setting forth full particulars with respect to the terms and conditions thereof, and Lessor may exercise its preferential right to purchase such gas on the same terms and conditions. Lessor may make such an election by notifying Lessee in writing, within fifteen (15) days after the receipt of such notice of market, of its intention to do so. In the event Lessor fails to elect to purchase such gas, such failure to elect shall be considered to be a waiver of its right to purchase said gas during the term of said gas sales contract and any extensions or renewals thereof, provided Lessee enters

into such gas sale contract within sixty (60) days after the date Lessor waives its right to purchase such gas. . If Lessor exercises its option and right to purchase gas or condensate from any and all producing wells operated by the Lessee it shall indemnify Lessee against all losses, costs, claims, liabilities, litigation, demands, damages and expenses (including all attorney fees) resulting from the actions of Lessor's agents, employees and contractors and/or Lessee's need to exit other sales contracts or legal obligations. Lessor's right to purchase is subject to Lessor bearing the sole cost and expenses of equipment necessary to safely transport and accurately measure any gas produced from any and all wellbores operated by Lessee subject to this lease. Lessor's operations will adhere and comply to all governing rules and regulations of the State of Utah and Federal regulations and acceptable petroleum industry practices..

**XVI.  
LESSEE'S RIGHT TO POOL LEASE**

Lessee is hereby granted the right to pool or unitize this lease, the land covered by it or any part thereof with any other land, lease, leases, mineral estates or parts thereof for the production of oil, liquid hydrocarbons and all gases and their respective constituent products, or any of them. Units pooled for oil hereunder shall not exceed forty acres plus a tolerance of ten percent thereof, and units pooled for gas hereunder shall not exceed one hundred sixty (160) acres plus a tolerance of ten percent thereof, provided that if any federal or state law, executive order, rule or regulation shall prescribe a spacing pattern for the development of the field or allocate a producing allowable on acreage per well, then any such units may embrace as much additional or less acreage as may be so prescribed or as may be used in such allocation or allowable. Lessee shall file written unit designations in the county in which the premises are located. Such units may be designated either before or after the completion of wells, and Lessee may reduce, enlarge, modify or dissolve such units at any time prior to the discovery of oil or gas on the pooled acreage or, after discovery of oil or gas at any time subsequent to the cessation of production thereof by filing a written declaration to such effect in the same county. Drilling operations and production on any part of the pooled acreage shall be treated as if such drilling operations were upon or such production was from the land described in this lease whether the well or wells be located on the land covered by this lease or not. The entire acreage pooled into a unit shall be treated for all purposes, except the payment of royalties on production from the pooled unit, as if it were included in this lease. In lieu of the royalties herein provided, Lessor shall receive on production from a unit so pooled only such portion of the royalty stipulated herein as the amount of its acreage placed in the unit or its royalty interest therein on an acreage basis bears to the total acreage so pooled in the particular unit involved.

**XVII.  
INDEMINIFICATION**

In the event any person or entity (including Lessor) suffers a loss of any kind or character, or death or injury, (1) as a result of a breach of this lease by Lessee or its agents, contractors or employees, or (2) as a result of Lessee or its agents, contractors or employees performing on the leased premises or elsewhere, any action, directly or indirectly, in furtherance of a right hereunder, or (3) from any cause whatsoever while being on the leased premises to conduct any work or service for Lessee, Lessee shall reimburse, indemnify, defend and hold harmless Lessor for any and all losses, costs, claims, liability, litigation, demands, damages and expenses (including all attorney fees) of every kind or character which Lessor may suffer or be subject to as a result of said loss or injury whether or not such losses, costs, claims, liabilities, litigation, demands, damages and expenses (including all attorney fees) result from the condition of Lessor's premises or facilities, unless through the sole negligence of Lessor or its agents.

**XVIII.  
SURFACE USE AGREEMENT**

Notwithstanding any contrary interpretation of mineral law, custom or practice in the industry, prior to Lessee commencing any operations on the leased premises which would result in a significant disturbance of the Lessor's surface estate relative thereto, Lessor and Lessee agree to use best faith efforts to enter into a mutually acceptable surface use agreement addressing Lessee's planned operations. The Right-Of-Way and Surface Damage Agreement in Exhibit B shall be a model template for each well site. A separate pipeline Right-of-Way and Easement Agreement will be signed when Lessee's pipelines cross Lessor's surface lands. Whether or not Lessor and Lessee achieve such surface use agreement notwithstanding, Lessee shall at its sole cost and expense, repair or restore those parts or portions of the leased premises damaged by operations hereunder and return the land as nearly as reasonably possible to the same condition as Lessee found it and shall conduct its operations in accordance with all laws and standards of the industry in effect at the time. Lessee shall promptly settle and dispose of all claims for damages resulting from operations hereunder, including, but not necessarily limited to, damages to grass, crops, roads and the surface of the land.

**XIX.  
REMOVAL OF LESSEE'S ASSETS**

Lessee shall have the right at any time, and from time to time, to remove any or all property, fixtures, equipment and materials placed by Lessee on the leased premises, including the right to draw and remove casing. Within six (6) months after the expiration of this lease Lessee shall remove all remaining property, fixtures, equipment and materials that were placed by Lessee on the leased premises. Such removal shall be accomplished at Lessee's sole cost, risk and expense.

**XX.  
COMPLIANCE WITH LAND AND REGULATIONS**

All operations of Lessee under this lease which involve the investigating, exploring, drilling for and producing of oil and gas, or both, from the leased premises, or the cessation, or abandonment, of its operations on the leased premises, shall be conducted in a good and workmanlike manner and in accordance with standard oil field practices and in accordance with all applicable federal, state and local statutes and regulations including specifically, but not by way of limitation, such laws and regulations governing the operation, maintenance and reclamation of wellsites, pipelines, tank batteries, and other related facilities as may be utilized by Lessee in its operations hereunder. Lessee shall further adhere to and abide by all federal, state and local environmental statutes and regulations addressing air, water and solid waste pollution and the handling, storage, use and disposal of hazardous substances as prescribed in The Comprehensive Environmental Response, Compensation, and Liability act of 1980, 42 V.S.C. § 9601, et seq. (CERCLA). Lessee shall provide Lessor with copies of all applications for environmental permits, notices of violation or alleged violation of any environmental laws, governmental requests for any information pertaining to environmental issues relating to the leased premises or products produced there from, or Lessee's use thereof, copies of any responses from Lessee to said requests, and any environmental investigations, reports or studies involving the leased premises or products produced there from or the use thereof by Lessee which, from time to time, may be obtained by Lessee.

**XXI.  
COVENANTS FOLLOW LEASE**

The provisions hereof shall be considered as covenants running with the land and lease during the life of the lease and all modifications, renewals, and extensions thereof, and any grant, transfer or assignment of the lease shall be subject to the provisions hereof.

**XXII.  
FORCE MAJUERE**

This lease shall not be terminated in whole or in part, nor Lessee held liable for damages, because of a temporary cessation of production or of drilling operations due to breakdown of equipment or due to the repairing of a well or wells or because of failure to comply with any of the express provisions or implied covenants of this lease if such failure is the result of the exercise of governmental authority, war, armed hostilities, act of God, strike, civil disturbance, fire, explosion, flood or any other cause, including lack of market beyond the control of Lessee.

**XXIII.  
EXTENT OF AGREEMENT.**

This Oil and Gas Lease constitutes the entire agreement between the parties hereto as to the subject matters herein set forth and supersedes all prior written or oral agreements relative thereto. No change, modification, alteration or amendment to this Oil and Gas Lease shall be binding upon the parties hereto except as specifically expressed in writing and signed by each party agreeing to be bound thereby.



EXHIBIT "A"

Entry 2003007054  
Book 854 Page 647

Attached to and made a part of that certain Oil and Gas Lease dated the 1st day of September, 2003, by and between Cliffs Synfuel Corp. as Lessor, and TCC Royalty Corporation as Lessee.

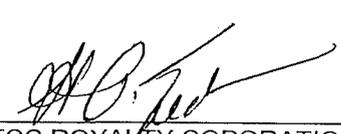
DATA REQUIREMENTS

In the drilling of any well under said Oil and Gas Lease Lessee shall comply with the following: Lessee shall furnish to Lessor a copy of each of the following:

- a. Location plat.
- b. All permits and notices to or from regulatory or governmental agencies.
- c. A composite of the Daily Activity Report from spud to completion, upon completion.
- d. Potential or other completion report.
- e. Final print of all logs and wire line formation tests run on the well, including Hydrocarbon (Mud) log, if run.
- f. All core analyses performed (including one set of prints of all photographs).
- g. All drill stem tests and PVT/fluid analyses performed (fluid to include oil, gas, and water).
- h. All bottom hole pressure data obtained (including analysis performed by third party/service companies).

INITIALED FOR IDENTIFICATION

  
\_\_\_\_\_  
CLIFFS SYN FUEL, CORP.

  
\_\_\_\_\_  
TCC ROYALTY COPORATION

## RIGHT-OF-WAY and SURFACE DAMAGE AGREEMENT

( \_\_\_\_\_ Resources Corporation \_\_\_\_\_ )

THIS AGREEMENT is made and entered into by and between \_\_\_\_\_ and Cliffs Synfuel Corporation (Cliffs),  
\_\_\_\_\_ (hereinafter referred to as "Grantor"), effective \_\_\_\_\_, 200

WHEREAS, Grantor is the surface owner of \_\_\_\_\_ quarter Section \_\_\_\_\_ Township 11 South Range 25 East, Uintah County, Utah (hereinafter referred to as the "Land(s)"); and

WHEREAS, \_\_\_\_\_ desires to enter onto and cross such Lands for the purpose of drilling an exploratory oil and/or gas well, \_\_\_\_\_ (WELL), located in the \_\_\_\_\_ quarter of the \_\_\_\_\_ quarter, Section \_\_\_\_\_ Township 11 South, Range 25 East, Uintah County, Utah (hereinafter referred to as the "Drillsite").

NOW THEREFORE, for and in consideration of the mutual promises and covenants herein contained, and other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, the parties hereto agree as follows:

- I. \_\_\_\_\_, shall pay Grantor the sum of \$3,000.00 up front payment for damages to surface of the Lands for road access to the Drillsite and for the Drillsite for the drilling of the WELL. Within sixty days of completion of the Well either as a producer or a plugged and abandoned well, \_\_\_\_\_ shall survey the new access road and the Drillsite to compensate Cliffs for any additional damage that may have occurred during drilling and completion operations. Compensation will be on a \$1,500.00 per acre cost for any damages exceeding 2.0 acres and such compensation, if due, will be paid within thirty (30) days of the surveyor's report being released. \_\_\_\_\_ shall utilize existing access routes to the maximum extent feasible, so as to minimize surface disturbances for access to facilities.
- II. \_\_\_\_\_ and their assigns or agents shall have the right to use a reasonable amount of access road across the Lands and shall have the right to move derricks, drilling tools, vehicles, and all other machinery and equipment necessary or incident to the re-drilling, drilling, testing completion, operation of the WELL. Such activity shall be restricted to existing public roads or access roads covered by this agreement. Any roads or surface facilities may be relocated at Cliffs' expense if needed due to oil shale mining or processing in the future.
- III. This Agreement and the rights granted herein are effective and shall continue in full force and effect so long as operations are conducted on the WELL. Upon execution of this Agreement, all payments due hereunder shall be paid concurrently. Operations are defined under terms of the oil and gas lease with Cliffs as taken by Contex Energy, which is \_\_\_\_\_'s land agent and acquisition company, and under the Rules and Regulations defined by the State of Utah.
- IV. Cattle guards or gates will be constructed, if requested by Grantor, at all places where the openings go through the existing fences and gates will be kept closed at all times except when opened for passage of traffic. Also, gates shall be installed to limit access to producing wells on roads constructed by \_\_\_\_\_, if by mutual agreement between \_\_\_\_\_ and Cliffs.
- V. If there is any fill used for roads constructed across any drainage, then culverts will be used for the free flow of water through said drainage.
- VI. If the access road departs from existing established roadways and new construction is required, topsoil will be segregated and stockpiled for replacement during reclamation activities.
- VII. It is understood that any road constructed across the said Lands shall not exceed 30 feet in total width, including the total disturbed area between the outside of each berm, without the prior approval of Grantor.
- VIII. Upon completion of the WELL as a dry hole and the subsequent abandonment thereof, and at the request of the Grantor, any drill pads and newly constructed road will be restored and seeded within 180 days to the condition it was in prior to commencement of operations insofar as reasonably possible. Any preexisting roads, and the improvements thereto, which are constructed by \_\_\_\_\_, shall be left in a good and usable condition for the continued use by Grantor. Reclaimed areas will be reseeded with a wildlife mixture approved by the Utah Division of Wildlife.
- IX. In the event that the WELL is completed as a producer of oil and/ or gas, \_\_\_\_\_ shall build and maintain a permanent access road in conformance with the already established county road including any variances granted by the county for existing roads to the Drillsite. Disturbed areas not used for production will be regraded and seeded with an approved wildlife seed mix within 90 days unless prohibited by weather.

- X. Upon completion of the WELL as a well capable of oil and/or gas production, this Agreement shall continue in full force and effect and \_\_\_\_\_ shall pay in advance to Grantor an annual access rental of two hundred dollars (\$200) per pad and \$200 per acre of roadway (30-foot width), or a minimum of \$500 to include the pad and roadway for each well, whichever is greater, on or before January 31<sup>st</sup> of each year thereafter until the subject well is plugged and abandoned and operations cease thereon.
- XI. It is expressly understood that the settlement amounts in paragraph I are only for construction of a road and drilling location and is not a settlement for any damages to contiguous property, personal property of the Grantor or a release of any personal injuries that may be sustained by reason of the operations carried on by \_\_\_\_\_ or its agents.
- XII. This Agreement does not cover pipeline easements and \_\_\_\_\_ acknowledges that it must secure a separate agreement prior to laying pipeline related to production of gas or oil on Cliffs' lands.
- XIII. This Agreement shall not be assigned, nor the rights hereunder transferred in any manner without the prior written consent of Grantor, which consent shall not be unreasonably withheld.
- XIV. \_\_\_\_\_ shall comply at its own expense with the Workman's Compensation Law of the State of Utah and shall maintain such insurance throughout the duration of this Agreement, and shall furnish Grantor prior to beginning work on the Lands evidence of such insurance and at each policy period thereafter renewal evidence that such insurance is being maintained. \_\_\_\_\_ with respect to its operation in connection with this Agreement, shall also purchase or provide for (1) comprehensive general public liability insurance with a combined single limit not less than One Million Dollars (\$1,000,000) for bodily injury and property damage; and (ii) automobile insurance with a combined single limit of not less than One Million Dollars (\$1,000,000) for bodily injury and property damage. At Grantor's request, \_\_\_\_\_ shall furnish Grantor with a certificate or certificates of insurance secured and maintained hereunder and Grantor shall be an additional insured thereon.
- XV. In the event any person or entity (including Grantor) suffers a loss of any kind or character, or death or injury, (1) as a result of a breach of this Agreement by \_\_\_\_\_, or its agents, contractors, or employees, or (2) as a result of \_\_\_\_\_ or its agents, contractors, or employees performing on the Drillsite or elsewhere, any action, directly or indirectly, in furtherance of a right hereunder, or (3) from any cause whatsoever while being on the Lands and the Drillsite to conduct any work or service for \_\_\_\_\_, \_\_\_\_\_ shall reimburse, indemnify defend and hold harmless Grantor for any and all losses, costs, claims, liability, litigation, demands, damages and expenses (including all attorney fees) of every kind or character which Grantor may suffer or be subject to as a result of said loss or injury whether or not such losses, costs, claims, liabilities, litigation, demands, damages, and expenses (including all attorney fees) result from the condition of Grantor's premises or facilities, unless through the sole negligence of Grantor or its agents.
- XVI. \_\_\_\_\_ shall provide Grantor with not less than forty-eight (48) hours advance notice, either by phone, mail or in person, of \_\_\_\_\_'s intent to enter upon the Land for the purpose of commencing operations thereon. \_\_\_\_\_ shall conduct its operations in such a manner as to use no more Land than is reasonably necessary and shall use all reasonable efforts not to interfere with the use of the Land by the Permittee in that certain Consolidated Grazing Permit dated January 1, 1998 by and between Grantor, as Owner, and O. S. Wyatt, Jr., as Permittee, or the rights of subsequent grazing permittees. All drilling fluid pits shall be fenced within ten days of end of drilling the WELL as a producer or dry hole and then the pits will be reclaimed and reseeded within 180 days of the completion of the well as a producer or dry hole. Surface structures shall be fenced, if they represent a potential hazard to livestock, by mutual agreement between \_\_\_\_\_ and Cliffs. The type of fencing to be mutually agreed upon by \_\_\_\_\_ and Cliffs. \_\_\_\_\_ will have ten days to effect repairs or problems with fences when notified by e-mail or in writing by Cliffs. \_\_\_\_\_ can request an extension of the closure of pits beyond the 180 days from the completion of the WELL if closing the pits represents a potential hazard or closing the pits at that time will not comply with the State of Utah's reclamation requirements and pit closure requirements. An extension will not be unreasonably withheld.
- XVII. \_\_\_\_\_ shall have the right at any time, and from time to time, to remove any or all property, fixtures, equipment and materials, placed by \_\_\_\_\_ on the Land, including the right to draw and remove casing. Within 90 days after plugging of the WELL this Agreement will expire and, \_\_\_\_\_ shall remove all remaining property, fixtures, equipment and materials that were placed by \_\_\_\_\_ on the Land. Such removal shall be accomplished at \_\_\_\_\_'s sole cost, risk, and expense. If such items are not removed within 90 days, Grantor shall have the right to remove those items from the Land and bill the associated cost for such removal to \_\_\_\_\_.

- XVIII. This agreement restricts the \_\_\_\_\_'s use of Grantor's lands to the sole purpose of exploration and production of oil and/or gas at this specific site. It does not grant \_\_\_\_\_, its contractors, or its agents the right to use the Grantor's property for any other purpose.
- XIX. All operations of \_\_\_\_\_ hereunder which involve drilling for and producing of oil and gas, or both, or the cessation, or abandonment, of its operations shall be conducted in a good and workmanlike manner and in accordance with standard oil field practices and in accordance with all applicable federal, state and local statutes and regulations including specifically, but not by way of limitation, such laws and regulations governing the operation, maintenance and reclamation of well sites, pipelines, tank batteries, and other related facilities as may be utilized by \_\_\_\_\_ and its operations hereunder. \_\_\_\_\_ shall further adhere to and abide by all federal, state and local environmental statutes and regulations addressing air, water, and solid waste pollution and the handling storage, storage, use and disposal of hazardous substances as prescribed in The Comprehensive Environmental Response, Compensation and Liability Act of 1980, 42 U.S.C. & 9601, et seq. (CERCLA). \_\_\_\_\_ shall provide Grantor with copies of all applications for environmental permits, notices of violation or alleged violations of any environmental laws, governmental requests for any information pertaining to environmental issues relating to the Land or products produced therefrom or \_\_\_\_\_'s use thereof, copies of any responses from \_\_\_\_\_'s to said requests, and any environmental investigations, reports, or studies involving the Land or products produced therefrom or the use thereof by \_\_\_\_\_ which, from time to time, may be obtained by \_\_\_\_\_.
- XX. \_\_\_\_\_ also agrees to abide by the laws or regulations of the State of Utah designed to protect either coal seams or oil shale deposits, including but not limited to those specific rules set forth the in the General Rules and Regulations of the Utah Board of Oil, Gas and Mining, as amended, pertaining to such matters. \_\_\_\_\_ acknowledges that the Land under this agreement was designated as an "Oil Shale Area" on August 22, 1985, amended in May of 2001, and \_\_\_\_\_ hereby agrees to follow the Board's procedure for wells drilled in designated "Oil Shale Areas" as set forth in the aforementioned General Rules and Regulations as amended in 2001.
- XXI. The provisions hereof shall be considered as covenants running with the Land during the life of the Agreement and all modifications thereof, and any assignment of the Agreement shall be subject to the provisions thereof.
- XXII. This Agreement constitutes the entire Agreement between the parties hereto as to the subject matters herein set forth and supersedes all prior written or oral agreements relative thereto except for said LETTER AGREEMENT entitled GENERAL RIGHT-OF-WAY and SURFACE DAMAGE AGREEMENT entered into and signed between \_\_\_\_\_ and Cliffs Synfuels Corporation dated July 1<sup>st</sup>, 2001 as this agreement will be subordinate to that said agreement. No change, modification, alteration or amendment to this Agreement shall be binding upon the parties hereto except as specifically expressed in writing and signed by each party agreeing to be bound thereby.

CLIFFS SYNFUEL CORP.

By: \_\_\_\_\_  
Gary D. Aho, President

By: \_\_\_\_\_

025

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

FORM 3

AMENDED REPORT   
(highlight changes)

APPLICATION FOR PERMIT TO DRILL

RAL LEASE NO:  
**Fee**

6. SURFACE:  
Fee

1A. TYPE OF WORK: DRILL  REENTER  DEEPEN

B. TYPE OF WELL: OIL  GAS  OTHER \_\_\_\_\_ SINGLE ZONE  MULTIPLE ZONE

2. NAME OF OPERATOR:  
TCC Royalty Corporation

3. ADDRESS OF OPERATOR: 14550 E. Easter #1000, Englewood STATE CO ZIP 80112  
PHONE NUMBER: 303 617 7242

4. LOCATION OF WELL (FOOTAGES)  
2027' FSL 798' FWL 4412109Y 39.84581  
AT SURFACE:  
2027' FSL 798' FWL  
AT PROPOSED PRODUCING ZONE: 660071X -109.12906

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

8. UNIT or CA AGREEMENT NAME:  
N/A

9. WELL NAME and NUMBER:  
Quest 12-21

10. FIELD AND POOL, OR WILDCAT:  
Kicker

11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:  
NW SW Sec 21, T11S, R25E

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE:  
Vernal 66 miles to the north

12. COUNTY:  
Uintah

13. STATE:  
UTAH

15. DISTANCE TO NEAREST PROPERTY OR LEASE LINE (FEET)  
613'

16. NUMBER OF ACRES IN LEASE:  
240

17. NUMBER OF ACRES ASSIGNED TO THIS WELL:  
40

18. DISTANCE TO NEAREST WELL (DRILLING, COMPLETED, OR APPLIED FOR) ON THIS LEASE (FEET)  
4600' to the south 4600' to east se

19. PROPOSED DEPTH:  
1950'

20. BOND DESCRIPTION:  
Blanket Bond

21. ELEVATIONS (SHOW WHETHER DF, RT, GR, ETC.):  
5527' 5527'

22. APPROXIMATE DATE WORK WILL START:  
November 1, 2003

23. ESTIMATED DURATION:  
10 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
17 1/2"	13.75"	90'	cemented to surface, quantity and type unknown
12.25"	8.625"	1022'	556 sacks of class G
7.875"	5.5"	3911'	880 sacks of G class

25. ATTACHMENTS

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

- WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER
- EVIDENCE OF DIVISION OF WATER RIGHTS APPROVAL FOR USE OF WATER

- COMPLETE DRILLING PLAN
- FORM 5, IF OPERATOR IS PERSON OR COMPANY OTHER THAN THE LEASE OWNER

NAME (PLEASE PRINT) Steven A. Tedesco

TITLE *Vice President*

SIGNATURE *Steven A. Tedesco*

DATE October 9, 2003

(This space for State use only)

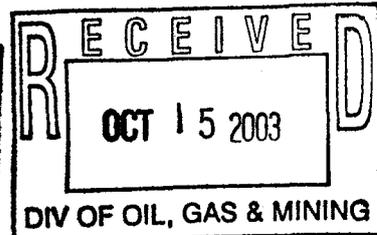
API NUMBER ASSIGNED:

43-047-33935

Approved by the  
Oil Division of  
the State and Mining

Date: 10-30-03

By: *[Signature]*



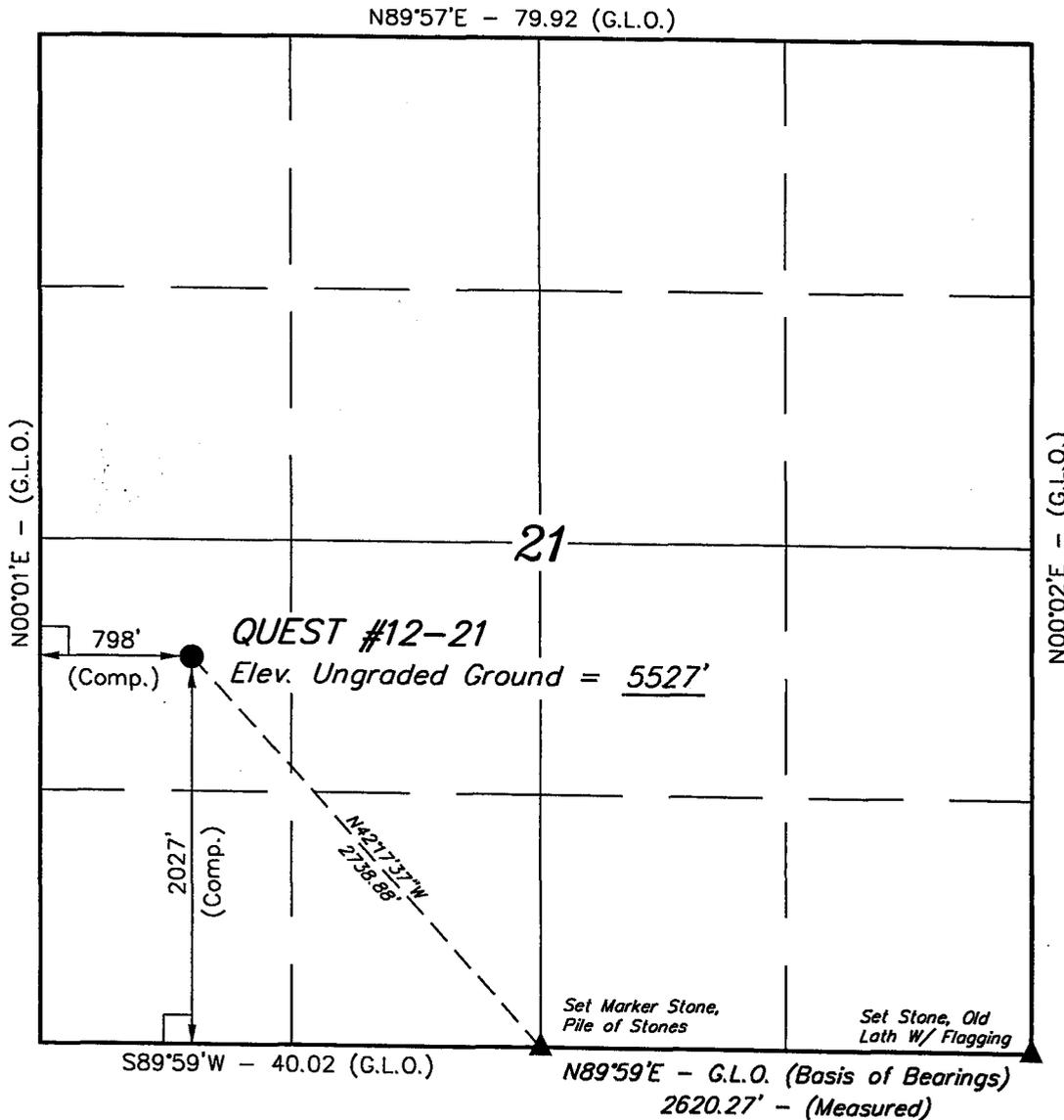
T11S, R25E, S.L.B.&M.

TCC ROYALTY CORP.

Well location, QUEST#12-21, located as shown in the NW 1/4 NW 1/4 of Section 21, T11S, R25E, S.L.B.&M. Uintah County Utah.

BASIS OF ELEVATION

BENCH MARK (V61) LOCATED NEAR ROAD IN THE SE 1/4 OF SECTION 21, T11S, R25E, S.L.B.&M. TAKEN FROM THE DRAGON QUADRANGLE, UTAH-COLORADO, 7.5 MINUTE QUAD. (TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 5590 FEET.



N00°02'E - (G.L.O.)

N89°57'E - 79.92 (G.L.O.)

N00°01'E - (G.L.O.)

21

QUEST #12-21

Elev. Ungraded Ground = 5527'

798' (Comp.)

2027' (Comp.)

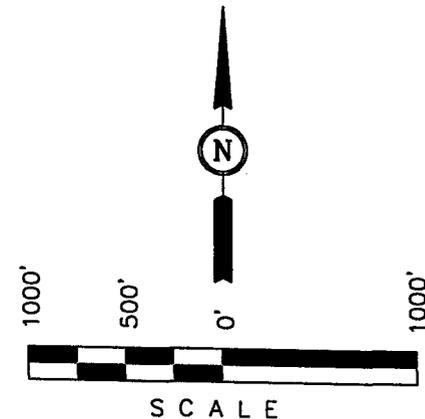
N42°13'37\"/>

Set Marker Stone, Pile of Stones

Set Stone, Old Lath W/ Flagging

S89°59'W - 40.02 (G.L.O.)

N89°59'E - G.L.O. (Basis of Bearings)  
2620.27' - (Measured)



CERTIFICATE

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

*Robert L. Hay*  
REGISTERED LAND SURVEYOR  
REGISTRATION NO. 161319  
STATE OF UTAH

Revised: 10-6-03 C.G.  
Revised: 10-1-03 C.G.  
Revised: 02-12-01 D.R.B.

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

LEGEND:

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

LATITUDE = 39°50'45"  
LONGITUDE = 109°07'46"

SCALE 1" = 1000'	DATE SURVEYED: 02-08-01	DATE DRAWN: 02-09-01
PARTY G.S. T.A. D.R.B.	REFERENCES G.L.O. PLAT	
WEATHER COLD	FILE TCC ROYALTY CORP.	

**ON-SITE PREDRILL EVALUATION**  
**Division of Oil, Gas and Mining**

**OPERATOR:** TCC ROYALTY CORPORATION  
**WELL NAME & NUMBER:** QUEST 12-21  
**API NUMBER:** 43-047-33935  
**LEASE:** FEE **FIELD/UNIT:** KICKER  
**LOCATION:** 1/4,1/4 NW/SW Sec: 21 TWP: 11S RNG: 25E 798' FWL 2027' FSL  
**LEGAL WELL SITING:** 460 F SEC. LINE; 460 F 1/4,1/4 LINE; 920 F ANOTHER WELL.  
**GPS COORD (UTM):** 4412131N 12660056E **SURFACE OWNER:** CLIFFS SYN FUEL CORP.

**PARTICIPANTS**

DAVID W. HACKFORD, (DOG M), FLOYD BARTLETT, (DWR), SAM GARDNER, (TCC).

**REGIONAL/LOCAL SETTING & TOPOGRAPHY**

SITE IS ON A RECLAIMED LOCATION IN THE BOTTOM OF EVACUATION CANYON WITH STEEP RIDGES 600' TO THE WEST AND EAST. EVACUATION CREEK IS 500' TO THE WEST. THE VALLEY FLOOR IS RELATIVELY FLAT. VERNAL, UTAH IS 66 MILES TO THE NORTH.

**SURFACE USE PLAN**

CURRENT SURFACE USE: WILDLIFE AND LIVESTOCK GRAZING, HUNTING.

PROPOSED SURFACE DISTURBANCE: LOCATION WILL BE 300' BY 210'. ACCESS ROAD WILL BE 0.2 MILES.

LOCATION OF EXISTING WELLS WITHIN A 1 MILE RADIUS: SEE ATTACHED MAP FROM GIS DATABASE.

LOCATION OF PRODUCTION FACILITIES AND PIPELINES: ALL PRODUCTION FACILITIES WILL BE ON LOCATION AND ADDED AFTER DRILLING WELL. PIPELINE WILL BE SURVEYED AND PERMITTED IF NEEDED.

SOURCE OF CONSTRUCTION MATERIAL: ALL CONSTRUCTION MATERIAL WILL BE BORROWED FROM SITE DURING CONSTRUCTION OF LOCATION.

ANCILLARY FACILITIES: NONE WILL BE REQUIRED.

**WASTE MANAGEMENT PLAN:**

DRILLED CUTTINGS WILL BE SETTLED INTO RESERVE PIT. LIQUIDS FROM PIT WILL BE ALLOWED TO EVAPORATE. FORMATION WATER WILL BE CONFINED TO STORAGE TANKS. SEWAGE FACILITIES, STORAGE AND DISPOSAL WILL BE HANDLED BY COMMERCIAL CONTRACTOR. TRASH WILL BE CONTAINED IN TRASH BASKETS AND HAULED TO AN APPROVED LAND FILL.

**ENVIRONMENTAL PARAMETERS**

AFFECTED FLOODPLAINS AND/OR WETLANDS: NONE

FLORA/FAUNA: THIS IS AN EXISTING RECLAIMED LOCATION. SITE HAS BEEN RE-SEEDED, BUT HALOGETON IS THE ONLY PLANT PRESENT. ELK, DEER, RODENTS, RAPTORS, SONGBIRDS, COYOTE, RABBIT, BOBCAT, BEAR, COUGAR.

SOIL TYPE AND CHARACTERISTICS: LIGHT BROWN SANDY CLAY.

EROSION/SEDIMENTATION/STABILITY: VERY LITTLE NATURAL EROSION.  
SEDIMENTATION AND STABILITY ARE NOT A PROBLEM AND LOCATION CONSTRUCTION  
SHOULDN'T CAUSE AN INCREASE IN STABILITY OR EROSION PROBLEMS.

PALEONTOLOGICAL POTENTIAL: NONE OBSERVED.

**RESERVE PIT**

CHARACTERISTICS: 80' BY 40' AND EIGHT FEET DEEP.

LINER REQUIREMENTS (Site Ranking Form attached): A LINER WILL NOT BE  
REQUIRED FOR RESERVE PIT.

**SURFACE RESTORATION/RECLAMATION PLAN**

**AS PER LANDOWNER AGREEMENT.**

SURFACE AGREEMENT: A SURFACE AGREEMENT HAS BEEN SIGNED.

CULTURAL RESOURCES/ARCHAEOLOGY: SITE IS ON FEE LAND.

**OTHER OBSERVATIONS/COMMENTS**

THIS PREDRILL INVESTIGATION WAS CONDUCTED WARM, WINDY DAY WITH NO SNOW  
COVER. THIS WELL IS A RE-ENTRY OF AN EXISTING PA.

**ATTACHMENTS**

PHOTOS OF THIS SITE WERE TAKEN AND PLACED ON FILE.

DAVID W. HACKFORD  
DOGM REPRESENTATIVE

10/29/03. 1:30 PM  
DATE/TIME

**Evaluation Ranking Criteria and Ranking Score  
For Reserve and Onsite Pit Liner Requirements**

<u>Site-Specific Factors</u>	<u>Ranking</u>	<u>Site Ranking</u>
Distance to Groundwater (feet)		
>200	0	
100 to 200	5	
75 to 100	10	
25 to 75	15	
<25 or recharge area	20	<u>5</u>
Distance to Surf. Water (feet)		
>1000	0	
300 to 1000	2	
200 to 300	10	
100 to 200	15	
< 100	20	<u>0</u>
Distance to Nearest Municipal Well (feet)		
>5280	0	
1320 to 5280	5	
500 to 1320	10	
<500	20	<u>0</u>
Distance to Other Wells (feet)		
>1320	0	
300 to 1320	10	
<300	20	<u>0</u>
Native Soil Type		
Low permeability	0	
Mod. permeability	10	
High permeability	20	<u>0</u>
Fluid Type		
Air/mist	0	
Fresh Water	5	
TDS >5000 and <10000	10	
TDS >10000 or Oil Base Mud Fluid containing significant levels of hazardous constituents	15  20	  <u>5</u>
Drill Cuttings		
Normal Rock	0	
Salt or detrimental	10	<u>0</u>
Annual Precipitation (inches)		
<10	0	
10 to 20	5	
>20	10	<u>0</u>
Affected Populations		
<10	0	
10 to 30	6	
30 to 50	8	
>50	10	<u>0</u>
Presence of Nearby Utility Conduits		
Not Present	0	
Unknown	10	
Present	15	<u>0</u>

**Final Score**      10      (Level III Sensitivity)

Sensitivity Level I = 20 or more; total containment is required.  
Sensitivity Level II = 15-19; lining is discretionary.  
Sensitivity Level III = below 15; no specific lining is required.





OCT 29 2003



OCT 29 2003

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

**OPERATOR:** TCC ROYALTY CORP.  
**WELL NAME & NUMBER:** QUEST 12-21  
**API NUMBER:** 43-047-33935  
**LOCATION:** 1/4,1/4 NW/SW Sec: 21 TWP: 11S RNG:25E 798' FWL 2027' FSL

**Geology/Ground Water:**

The proposed well is a reentry of an existing well. The existing casing and cement should be adequate to protect any near surface ground water.

**Reviewer:** Brad Hill                      **Date:** 10-30-03

**Surface:**

The predrill investigation of the surface was performed on 10/29/03. This site is on land belonging to Cliffs Synfuel Corp. Gary Aho, president of Cliffs Synfuel was invited to this investigation on 10/23/03. Mr. Aho stated over the telephone that he could not attend the presite, but his only concern was the existing historic railroad grade located 150' west of site. I brought this to Sam Gardner's attention and he assured me that the grade would not be disturbed in any way by the construction of the location or the re-entry of the old PA'd wellbore. The existing wellbore was originally the Cliffs 12-21 and was drilled by Dominion in 2002, and later PA'd by Dominion. The new wellbore will not require drilling formation, but simply cleaning out the existing casing.

**Reviewer:** David W. Hackford                      **Date:** 10/30/03

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

None.



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

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

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

October 30, 2003

TCC Royalty Corporation  
 14550 E Easter #1000  
 Englewood, CO 80112

Re: Quest 12-21 Well, 2027' FSL, 798' FWL, NW SW, Sec. 21, T. 11 South, R. 25 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 re-enter the plugged and abandoned 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 43-047-33935.

Sincerely,

John R. Baza  
 Associate Director

pab  
 Enclosures

cc: Uintah County Assessor

Operator: TCC Royalty Corporation

Well Name & Number Quest 12-21

API Number: 43-047-33935

Lease: Fee

Location: NW SW                      Sec. 21                      T. 11 South                      R. 25 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 Conditions of Approval/Application for Permit to Drill outlined in the Statement of Basis. (Copy Attached)

5. This proposed well is located in an area for which drilling units (well spacing patterns) have not been established through an order of the Board of Oil, Gas and Mining (the "Board"). In order to avoid the possibility of waste or injury to correlative rights, the operator is requested, once the well has been drilled, completed, and has produced, to analyze geological and engineering data generated therefrom, as well as any similar data from surrounding areas if available. As soon as is practicable after completion of its analysis, and if the analysis suggests an area larger than the quarter-quarter section upon which the well is located is being drained, the operator is requested to seek an appropriate order from the Board establishing drilling and spacing units in conformance with such analysis by filing a Request for Agency Action with the Board.
  
6. In accordance with Order in Cause No. 190-5(b) dated October 28, 1982, the Operator shall comply with requirements of Rules R649-3-31 and R649-3-27 pertaining to Designated Oil Shale Areas. Additionally, the operator shall ensure that the surface and/or production casing is properly cemented over the entire oil shale interval as defined by Rule R649-3-31. The Operator shall report the actual depth the oil shale is encountered to the Division.

# TCC ROYALTY CORPORATION

January 20, 2004

Mr. Brad Hill  
Utah Division of Oil, Gas and Mining  
1594 West North Temple, Suite 1210  
Box 145801  
Salt Lake City, UT 84114-5801

**SENT EXPRESS MAIL**

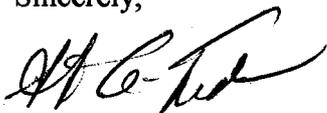
RE: Quest #12-21  
NW SW of Section 21 T11S R25E  
Uintah County, Utah

Dear Mr. Hill:

TCC is submitting to the Utah Division of Oil & Gas and Mining two copies of Form 8, the completion report for the above captioned well. We are also enclosing two copies of a water analysis report and two copies of Reservoir Performance Monitor Log. We request the data from this well remain *confidential* for a period of one year.

Please do not hesitate to call me if you have any questions. Thank you.

Sincerely,



Steven A. Tedesco

SAT\ctt

Enclosures

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RECEIVED  
JAN 22 2004  
~~JAN 21 2004~~  
DIV. OF OIL, GAS & MINING  
DIV. OF OIL, GAS & MINING

CONFIDENTIAL

029

5. LEASE DESIGNATION AND SERIAL NUMBER:

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 \_\_\_\_\_

Fee \_\_\_\_\_  
 6. IF INDIAN, ALLOTTEE OR TRIBE NAME  
 N/A

2. NAME OF OPERATOR:  
 TCC Royalty Corporation

7. UNIT or CA AGREEMENT NAME  
 N/A

3. ADDRESS OF OPERATOR:  
 14550 E Easter Ave Ste CITY Centennial STATE CO ZIP 80112

PHONE NUMBER:  
 (303) 617-7242

8. WELL NAME and NUMBER:  
 Quest 12-21

9. API NUMBER:  
 4304733935

4. LOCATION OF WELL (FOOTAGES)  
 AT SURFACE: 2027 FSL 798 FWL  
 AT TOP PRODUCING INTERVAL REPORTED BELOW: same  
 AT TOTAL DEPTH: same

CONFIDENTIAL  
 PERIOD  
 EXPIRED  
 ON 2-27-05

10 FIELD AND POOL, OR WILDCAT  
 Kicker

11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:  
 NwSw 21 11 25 E

12. COUNTY  
 Uintah

13. STATE  
 UTAH

14. DATE SPUDDED: 11/1/2003  
 15. DATE T.D. REACHED: 11/3/2003  
 16. DATE COMPLETED: 1/27/2004  
 ABANDONED  READY TO PRODUCE

17. ELEVATIONS (DF, RKB, RT, GL):  
 5527

18. TOTAL DEPTH: MD 3,911  
 TVD 3,911

19. PLUG BACK T.D.: MD 1,540  
 TVD 1,540

20. IF MULTIPLE COMPLETIONS, HOW MANY? \*  
 N/A

21. DEPTH BRIDGE MD 1,540  
 PLUG SET: TVD 1,540

22. TYPE ELECTRIC AND OTHER MECHANICAL LOGS RUN (Submit copy of each)  
 Reservoir performance Monitor Log, see previous completion reports for other logs

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
17 1/2	13.75		0	90				0	0
12 1/4	8.625		0	1,022		g 556		0	0
7 3/4	5.5		0	3,911		G 880		0	0

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 7/8	1,400							

26. PRODUCING INTERVALS

FORMATION NAME	TOP (MD)	BOTTOM (MD)	TOP (TVD)	BOTTOM (TVD)
(A) Green River Ls	1,430	1,462	1,430	1,462
(B)				
(C)				
(D)				

27. PERFORATION RECORD

INTERVAL (Top/Bot - MD)	SIZE	NO. HOLES	PERFORATION STATUS
1,430 1,462	1/2	4	Open <input checked="" type="checkbox"/> Squeezed <input type="checkbox"/>
1,825 1,955	1/2	4	Open <input checked="" type="checkbox"/> Squeezed <input type="checkbox"/>
			Open <input type="checkbox"/> Squeezed <input type="checkbox"/>
			Open <input type="checkbox"/> Squeezed <input type="checkbox"/>

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

DEPTH INTERVAL	AMOUNT AND TYPE OF MATERIAL
1430 to 1462	1,000 barrels of acid at 15%
1825 to 1955	Baker stim gun
1945 to 1955	broke down with 10 barrels of KCL water

29. ENCLOSED ATTACHMENTS:

ELECTRICAL/MECHANICAL LOGS  
 SUNDRY NOTICE FOR PLUGGING AND CEMENT VERIFICATION  
 GEOLOGIC REPORT  
 CORE ANALYSIS  
 DST REPORT  
 OTHER: water analysis  
 DIRECTIONAL SURVEY

30. WELL STATUS:  
 Producing

RECEIVED  
 RECEIVED  
 JAN 27 2004

31. INITIAL PRODUCTION

INTERVAL A (As shown in Item #26)

**CONFIDENTIAL**

DATE FIRST PRODUCED: 1/2/2004		TEST DATE: 1/2/2004		HOURS TESTED: 24		TEST PRODUCTION RATES: →	OIL - BBL: 0	GAS - MCF: 2	WATER - BBL: 30	PROD. METHOD: natural
CHOKE SIZE 1"	TBG. PRESS. 200	CSG. PRESS. 200	API GRAVITY 0.00	BTU - GAS 950	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL - BBL: 0	GAS - MCF: 2	WATER - BBL: 30	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.)

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.

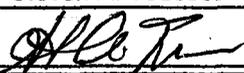
34. FORMATION (Log) MARKERS:

Formation	Top (MD)	Bottom (MD)	Descriptions, Contents, etc.	Name	Top (Measured Depth)
see previous repr					

35. ADDITIONAL REMARKS (Include plugging procedure)

Awaiting installation of pump to lower water pressure to see if gas rate increases. expect to be producing by 1/27/2004

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

NAME (PLEASE PRINT) Steven A. Tedesco TITLE President  
 SIGNATURE  DATE 1/20/2004

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  
 1594 West North Temple, Suite 1210  
 Box 145801  
 Salt Lake City, Utah 84114-5801

Phone: 801-538-5340

Fax: 801-359-3940



January 08, 2004

Atoka Coal Labs, LLC  
14550 E. Easter Ave.  
Suite 1000  
Englewood, CO 80112  
USA

ADDRESS ALL CORRESPONDENCE TO:  
COMMERCIAL TESTING & ENGINEERING CO.  
4665 PARIS STREET, SUITE B-200  
DENVER, CO 80239  
TEL: (303) 373-4772  
FAX: (303) 373-4791

Client Sample ID: TCC Royalty Corp.  
Date Received: 01/02/2004  
Matrix: Water

Project Name/# : 12-21 Quest

SGS Sample ID: 072-7760-001

<u>ANALYTE</u>	<u>RESULT</u>	<u>METHOD</u>	<u>LOD</u>	<u>ANALYZED DATE / TIME</u>	<u>ANALYST</u>
Alkalinity, Total	1100 mg/L CaCO <sub>3</sub>	SM2320 B	1	01/05/2004 1300	CV
Conductivity	9100 umhos/cm	SM2510 B	1	01/05/2004 1445	CV
Iron, Total	48 mg/L	EPA200.7	0.01	01/06/2004 1651	JS
Magnesium, Total	58 mg/L	EPA200.7	0.01	01/06/2004 1651	JS
Manganese, Total	0.858 mg/L	EPA200.7	0.005	01/06/2004 1651	JS
Sodium, Total	1700 mg/L	EPA200.7	0.05	01/06/2004 1651	JS
pH	7.02 s.u.	SM4500-H B	0.01	01/02/2004 1150	CV
Solids, Total Dissolved	5500 mg/L	SM2540 C	5	01/05/2004 1030	JH

Method Reference(s):  
"Standard Methods for the Examination of Water and Wastewater", 18th Edition, 1992; APHA-AWWA-WEF  
"Methods for the Determination of Metals in Environmental Samples", EPA/600/4-91/010, June 1991



Respectfully submitted,  
COMMERCIAL TESTING & ENGINEERING CO.

*Kristi Bulls*

Denver Laboratory

**TCC ROYALTY CORPORATION**

August 11, 2004

CONFIDENTIAL

Ms. Carol Daniels  
State of Utah  
Division Oil, Gas & Mining  
P.O. Box 145801  
Salt Lake City, UT 84114-5801

RE: Quest 16-21 API No. 4304733805 - *THIS RISE SEC-21*  
Quest 1-22 API No. 4304700587  
Quest 12-21 API No. 4304733935 - *THIS RISE SEC-21*

**SENT FEDEX**

Dear Carol:

Please find enclosed cased hole logs for the above captioned wells. I do not believe any of these wells are under confidential status.

Please let me know if you have any questions. Thank you.

Sincerely,



Steven A. Tedesco

SAT\kwt  
Enclosures

14550 East Easter Ave., Ste 1000  
Englewood, CO 80112  
(303) 617-7242 (303) 617 7442

RECEIVED  
AUG 13 2004  
GAS & MINING

031



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 3, 2005

CERTIFIED MAIL NO. 7002 0510 0003 8602 5696

Mr. Steve Tedesco  
TCC Royalty Corporation  
14550 East Easter Ave, Suite 1000  
Centennial, Colorado 80122

Re: Extended Shut-in and Temporarily Abandoned Well Requirements for Fee or State Leases.

Dear Mr. Tedesco:

As of March 2005, TCC Royalty Corporation has two (2) Fee Lease Wells (see attachment A) that are in non-compliance with the requirements for extended shut-in or temporarily abandoned (SI/TA) status. Wells SI/TA beyond twelve (12) consecutive months require the filing of a Sundry Notice in accordance with R649-3-36-1 for Utah Division of Oil, Gas & Mining ("Division") approval. Wells with five (5) years non-activity or non-productivity shall be plugged, unless the Division grants approval for extended shut-in time upon a showing of good cause by the operator (R649-3-36-1.3.3).

For extended SI/TA consideration the operator shall provide the Division with the following:

1. Reasons for SI/TA of the well (R649-3-36-1.1).
2. The length of time the well is expected to be SI/TA (R649-3-36-1.2), and
3. An explanation and supporting data if necessary, for showing the well has integrity, meaning that the casing, cement, equipment condition, static fluid level, pressure, existence or absence of Underground Sources of Drinking Water and other factors do not make the well a risk to public health and safety or the environment (R649-3-36-1.3).

Page 2  
Mr. Steve Tedesco  
March 3, 2005

Submitting the information suggested below may help show well integrity and may help qualify your well for extended SI/TA. **Note: As of July 1, 2003, wells in violation of the SI/TA rule R649-3-36 may be subject to full cost bonding (R649-3-1-4.2, 4.3).**

1. Wellbore diagram, and
2. Copy of recent casing pressure test, and
3. Current pressures on the wellbore (tubing pressure, casing pressure, and casing/casing annuli pressure) showing wellbore has integrity, and
4. Fluid level in the wellbore, and
5. An explanation of how the submitted information proves integrity.

If the required information is not received within 30 days of the date of this notice, further actions may be initiated. If you have any questions concerning this matter, please contact me at (801) 538-5281.

Sincerely,



Dustin K. Doucet  
Petroleum Engineer

DKD:jc  
Attachment  
cc: John Baza  
Well File

## ATTACHMENT A

	<b>Well Name</b>	<b>Location</b>	<b>API</b>	<b>Lease Type</b>	<b>Years Inactive</b>
1	Quest 12-21	NWSW Sec 21-T11S-R25E	43-047-33935	Fee	1 Year 5 Months
2	Quest 14-10	SESW Sec 10-T11S-R25E	43-047-34118	Fee	1 Year 6 Months

11S 25E 21

# TGG ROYALTY CORPORATION

March 22, 2005

Mr. Dustin Doucet  
Utah Division of Oil, Gas and Mining  
1594 West North Temple, Suite 1210  
Box 145801  
Salt Lake City, UT 84114-5801

RE: Response to Letter Dated March 3, 2005  
Quest 14-10 43-047-33935 *34118*  
~~Quest 12-21~~ 43-047-~~34418~~ *33935*  
T11S R25E, Uintah County, Utah

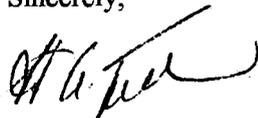
Dear Mr. Doucet:

We received your letter concerning the above captioned wells. The Quest 12-21, 43-047-34418 Form 8 was sent Fedex along with mechanical logs on January 20, 2004. The well is presently shut in due to the high water cut and low gas volume if produced without artificial lift. We are trying to determine if the rest of the field in section 22 and 21 is commercial before going forward and producing the well. Shut-in pressure is 150 lbs at surface from the casing. The well will flow at a rate of 10 MCFGPD plus freshwater. Please find enclosed an updated well bore diagram. We do have to make a decision on whether to attempt to produce or abandon the well on or before July 1<sup>st</sup> because the lease associated with well will expire September 1<sup>st</sup>. We will need time to plug the well and restore the site from July 1<sup>st</sup> to September 1<sup>st</sup>.

Please find enclosed Form 9, mudlogs, well bore diagram, daily drilling and completion report, cement summary for production pipe, and mechanical logs for the Quest 14-10. We have temporarily abandoned the well as we are waiting on building a gathering line from our tap to the well before we complete it. We plan to begin building the pipeline in June or July as the weather permits and construction crews become available. The zone of interest in Wasatch has not been perforated or stimulated. We have also had problems lining up a completion rig and stimulation company at the same time because we are not a large operator.

Please call me if you have any questions. Thank you.

Sincerely,



Steven A. Tedesco

SAT\kwt  
Enclosures

RECEIVED

MAR 24 2005

DIV. OF OIL, GAS & MINING

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. LEASE DESIGNATION AND SERIAL NUMBER:  
Fee

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

7. UNIT or CA AGREEMENT NAME:  
N/A

8. WELL NAME and NUMBER:  
Quest 12-21

9. API NUMBER:  
4304733935

10. FIELD AND POOL, OR WILDCAT:  
Kicker

11. QUADTR. SECTION, TOWNSHIP, RANGE, MERIDIAN:  
NwSw 21 11 25 E

12. COUNTY:  
Uintah

13. STATE:  
UTAH

14. DATE SPUDDED: 11/1/2003

15. DATE T.D. REACHED: 11/3/2003

16. DATE COMPLETED: 1/27/2004

ABANDONED  READY TO PRODUCE

17. ELEVATIONS (DF, RKB, RT, GL):  
5527

18. TOTAL DEPTH: MD 3,911 TVD 3,911

19. PLUG BACK T.D.: MD 1,540 TVD 1,540

20. IF MULTIPLE COMPLETIONS, HOW MANY?:  
N/A

21. DEPTH BRIDGE MD 1,540 PLUG SET: TVD 1,540

22. TYPE ELECTRIC AND OTHER MECHANICAL LOGS RUN (Submit copy of each)  
Reservoir performance Monitor Log, see previous completion reports for other logs

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
17 1/2	13.75		0	90				0	0
12 1/4	8.625		0	1,022		g 556		0	0
7 3/4	5.5		0	3,911		G 880		0	0

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MAR 24 2005

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 7/8	1,400							

26. PRODUCING INTERVALS

FORMATION NAME	TOP (MD)	BOTTOM (MD)	TOP (TVD)	BOTTOM (TVD)
(A) Green River Ls	1,430	1,462	1,430	1,462
(B)				
(C)				
(D)				

27. PERFORATION RECORD

INTERVAL (Top/Bot - MD)	SIZE	NO. HOLES	PERFORATION STATUS
1,430 1,462	1/2	4	Open <input checked="" type="checkbox"/> Squeezed <input type="checkbox"/>
1,825 1,955	1/2	4	Open <input checked="" type="checkbox"/> Squeezed <input type="checkbox"/>
			Open <input type="checkbox"/> Squeezed <input type="checkbox"/>
			Open <input type="checkbox"/> Squeezed <input type="checkbox"/>

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

DEPTH INTERVAL	AMOUNT AND TYPE OF MATERIAL
1430 to 1462	1,000 barrels of acid at 15%
1825 to 1955	Baker stim gun
1945 to 1955	broke down with 10 barrels of KCL water

29. ENCLOSED ATTACHMENTS:

ELECTRICAL/MECHANICAL LOGS  GEOLOGIC REPORT  DST REPORT  DIRECTIONAL SURVEY

SUNDRY NOTICE FOR PLUGGING AND CEMENT VERIFICATION  CORE ANALYSIS  OTHER: water analysis

30. WELL STATUS:  
Producing

31. INITIAL PRODUCTION

INTERVAL A (As shown in Item #26)

DATE FIRST PRODUCED: 1/2/2004		TEST DATE: 1/2/2004		HOURS TESTED: 24		TEST PRODUCTION RATES: →	OIL - BBL: 0	GAS - MCF: 2	WATER - BBL: 30	PROD. METHOD: natural
CHOKE SIZE: 1"	TBG. PRESS. 200	CSG. PRESS. 200	API GRAVITY 0.00	BTU - GAS 950	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL - BBL: 0	GAS - MCF: 2	WATER - BBL: 30	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.)

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)
see previous report					

35. ADDITIONAL REMARKS (Include plugging procedure)

Awaiting installation of pump to lower water pressure to see if gas rate increases. expect to be producing by 1/27/2004

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

NAME (PLEASE PRINT) Steven A. Tedesco TITLE President  
 SIGNATURE *Steven A. Tedesco* DATE 1/20/2004

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.

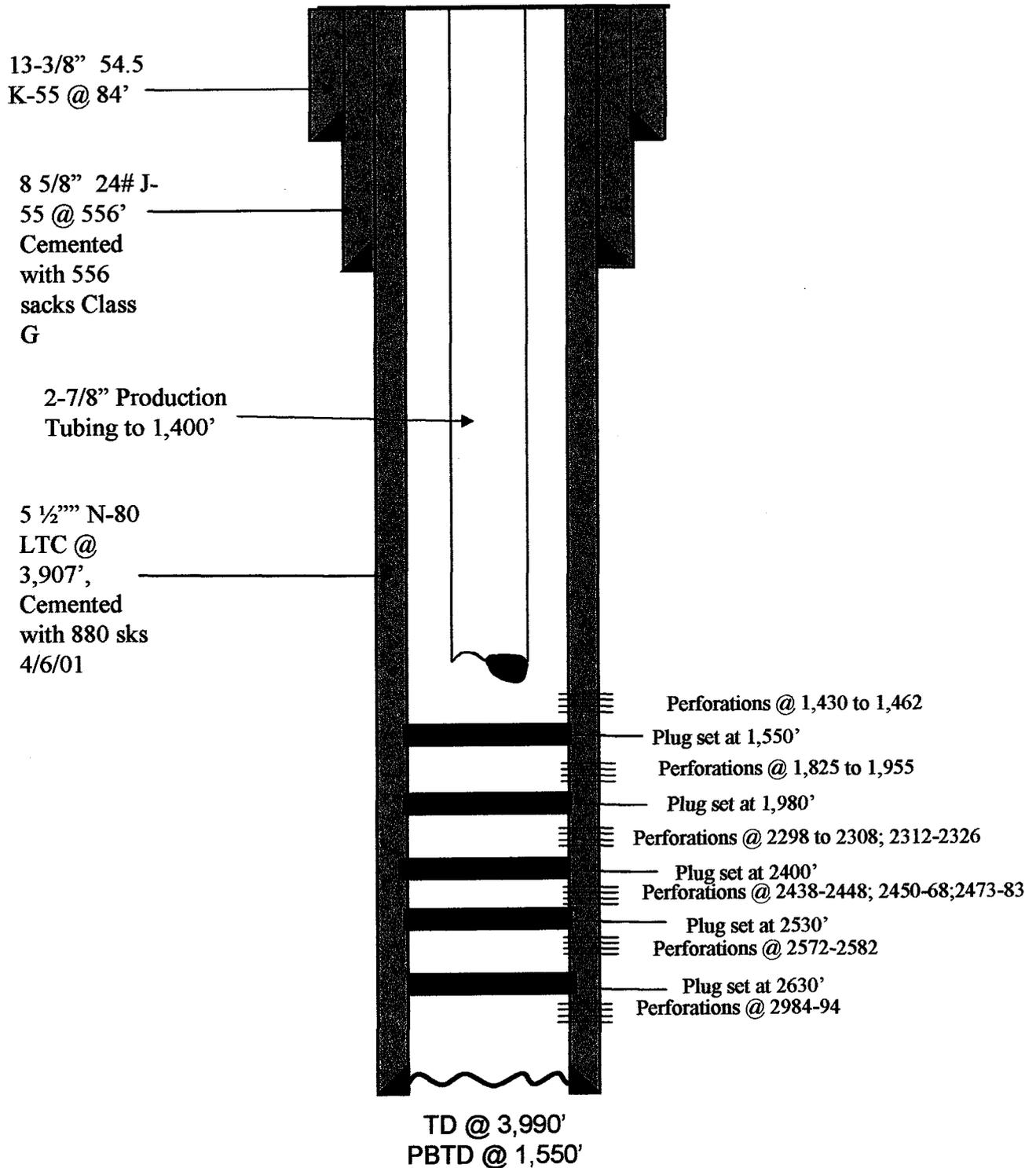
\*\* ITEM 24: Cement Top - Show how reported top(s) of cement were determined (circulated (CIR), calculated (CAL), cement bond log (CBL), temperature survey (TS)).

Send to: Utah Division of Oil, Gas and Mining  
 1594 West North Temple, Suite 1210  
 Box 145801  
 Salt Lake City, Utah 84114-5801

Phone: 801-538-5340  
 Fax: 801-359-3940

# Quest 12-21

Section 21, T11SS, R25E  
Uintah County, Utah  
API:43-047-33935



**DOMINION EXPLORATION & PRODUCTION**

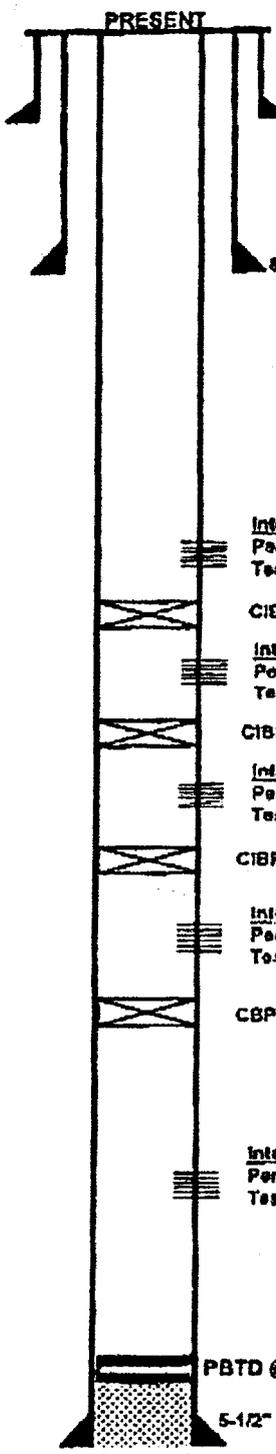
**CONFIDENTIAL**

SPUD: 2/14/01  
 COMPLETED:  
 WORKED OVER:

**Wildcat Cliffs 12-21L**  
 SEC: 21, T: 11S R: 25E  
 API: 43-047-33935

DATE: September 28, 2001

**NOTE: Unless Stated All Depths are Measured. NOT DRAWN TO SCALE.**



13 3/8" 54.5M K-55 @ 84'  
 8 5/8", 248 J-55 @ 556'. Cmt'd w/675 sz Class G

Interval #6 Washach  
 Perfs: (1902-1923) 1932-1956' @ 4 spf (168 Holes) 5/15/01  
 Test: Swabbed 51 BW. Dry. 5/17/01

CIBP @ 1980' 5/15/01

Interval #4 Washach  
 Perfs: 2298-2308, 2312-2326' @ 4 spf (96 Holes) 5/9/01  
 Test: Swabbed-19 BW. Dry. 5/12/01

CIBP @ 2400' 5/9/01

Interval #3 Mesa Verde  
 Perfs: 2438-2448, 2460-2468, 2473-2483' @ 2 spf (56 Holes) 4/12/01  
 Test: Flowed 257 BW in 13 Hrs. 4/13/01

CIBP @ 2530' 4/12/01

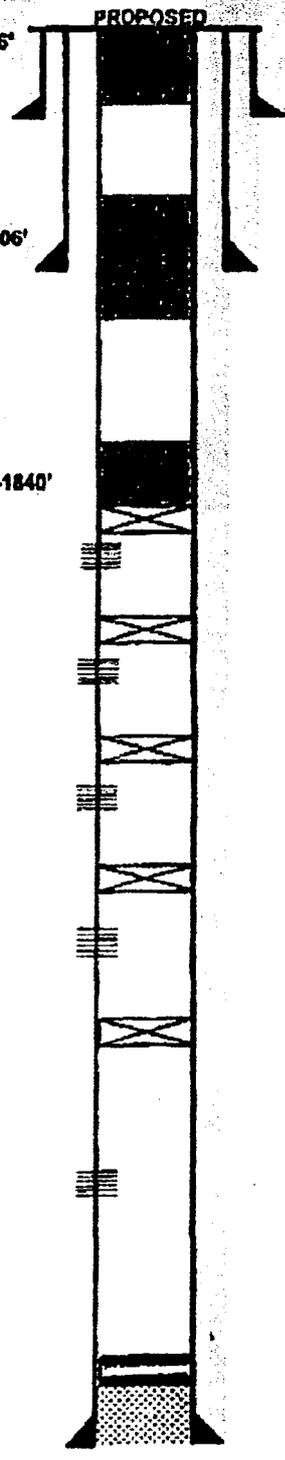
Interval #2 Mesa Verde  
 Perfs: 2572-2582' @ 4 spf (40 Holes) 4/9/01  
 Test: Swabbed 102 bbls. Wet 4/10/01

CIBP @ 2630' 4/9/01

Interval #1 Mesa Verde  
 Perfs: 2984-2994' 4 spf (40 Holes) 4/5/01  
 Test: Slight blow of gas. Swabbed back 21 bbls water. 4/8/01

PBTD @ 3911'  
 5-1/2" 17 1/2 N-80 LTC @ 3907'. Cmt'd w/ 880 sz Poz:G

TD 3900'



Plug #3: 6-106'

Plug #2: 506-606'

Plug #1: 1890-1840'  
 CIBP @ 1890'

PREPARED BY: Kevin Robert  
 Cliffs 12-21L\_1.dwt



## 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*

May 6, 2005

Mr. Steve Tedesco  
TCC Royalty Corporation  
14550 East Easter Ave, Suite 1000  
Centennial, Colorado 80122

Re: Extended Shut-in and Temporarily Abandoned Well Requirements for  
Fee or State Leases.

Dear Mr. Tedesco:

The Division of Oil, Gas and Mining (the "Division") is in receipt of your letters dated March 22, 2005 (received by the Division 03/24/2005) and March 25, 2005 (received by the Division 03/29/2005) in regards to the four (4) shut-in or temporarily abandoned (SI/TA) wells operated by TCC Royalty Corporation ("TCC"). Those wells are the Quest 14-10 well, API # 43-047-33935; the Quest 12-21 well, API # 43-047-34418; the Quest 15-21L well, API # 43-047-35297; and the Quest 2-28 well, API # 43-047-35310. TCC has supplied information for each well. The Division understands that only one of the four wells has been perforated (the Quest 12-21 well) and that TCC plans to produce or plug and abandon these four wells by August 1, 2005. TCC requests extended SI/TA status until that time to allow time to secure completion rigs and pipeline crews to complete work on these wells.

Based on the submitted plan of action and current status of the wells, the Division grants TCC extended SI/TA status for the Quest 14-10, the Quest 12-21, the Quest 15-21L and the Quest 2-28 wells through August 1, 2005. Sundry Notice of Intents for the proposed work should be submitted to and approved by the Division prior to initiating work. A SI/TA extension request (future plans and integrity information) should also be submitted for the Quest 4-27 well (API # 43-047-35298). If you have any questions or need additional assistance in regards to the above matters please contact me at (801) 538-5281.

Sincerely,

Dustin K. Doucet  
Petroleum Engineer

cc: Well File  
SITLA

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:
2. NAME OF OPERATOR: TCC Royalty Corporation <i>N1995</i>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
3. ADDRESS OF OPERATOR: 14550 E Easter Ave., Ste 100 CITY Denver STATE CO ZIP 80202 PHONE NUMBER: (303) 617-7242		7. UNIT or CA AGREEMENT NAME:
4. LOCATION OF WELL FOOTAGES AT SURFACE: S.L.B. & M. COUNTY: Uintah QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: STATE: UTAH		8. WELL NAME and NUMBER: See Attachment
		9. API NUMBER:
		10. FIELD AND POOL, OR WILDCAT:

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: <u>10/1/2005</u>	<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 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: October 1, 2005

Enduring Resources, LLC *N2750* Operator No. N 2750  
475 17th Street, Suite 1500 Utah State Bond #RLB0008031  
Denver, Colorado 80202

Contact: Frank Hutto 303-350-5102

ENDURING RESOURCES, LLC

BY: *[Signature]* Frank Hutto, Vice President - Operations  
*ALEX CAMPBELL* *LAMP*

DATE: 10-24-2005

NAME (PLEASE PRINT) CHRISTINE Tedesco TITLE XXXXXXXX

SIGNATURE *[Signature]* DATE \_\_\_\_\_

(This space for State use only)

**APPROVED** 10/31/05

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

**RECEIVED**  
OCT 26 2005  
DIV. OF OIL, GAS & MINING

## TRANSFER OF OPERATOR

From: TCC Royalty Corp. - To: Enduring Resources, LLC

	API Number	Well Name	Status	Field	County	State	Qtr-Qtr	Section	TwN-Rge
1	43-047-33935-00-00	QUEST 12-21	Shut-In	Kicker	Uintah	Utah	NWSW	21	11S-25E
2	43-047-33693-00-00	QUEST 22-1	Producing	Kicker	Uintah	Utah	SESW	22	11S-25E
3	43-047-33803-00-00	QUEST 6-28	Producing	Kicker	Uintah	Utah	SESW	28	11S-25E
4	43-047-33805-00-00	QUEST 16-21	Producing	Kicker	Uintah	Utah	SESE	21	11S-25E
5	43-047-33801-00-00	QUEST 4-28	Location Abandoned	Kicker	Uintah	Utah	NWNW	28	11S-25E
6	43-047-34118-00-00	QUEST 14-10	Drilling Operations Suspended	Wildcat	Uintah	Utah	SESW	10	11S-25E
7	43-047-35299-00-00	QUEST 13-22	Producing	Kicker	Uintah	Utah	SWSW	22	11S-25E
8	43-047-35298-00-00	QUEST 4-27	Spudded (Drilling commenced: Not yet completed)	Kicker	Uintah	Utah	NWNW	27	11S-25E
9	43-047-35310-00-00	QUEST 2-28	Drilling Operations Suspended	Kicker	Uintah	Utah	NWNE	28	11S-25E
10	43-047-35297-00-00	QUEST 15-21L	Drilling Operations Suspended	Kicker	Uintah	Utah	SWSE	21	11S-25E

**RECEIVED**

OCT 26 2005

DIV. OF OIL, GAS & MINING



6c. Reports current for Production/Disposition & Sundries on: \_\_\_\_\_

7. **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 n/a BIA n/a

8. **Federal and Indian Units:**  
The BLM or BIA has approved the successor of unit operator for wells listed on: n/a

9. **Federal and Indian Communization Agreements ("CA"):**  
The BLM or BIA has approved the operator for all wells listed within a CA on: n/a

10. **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: n/a

**DATA ENTRY:**

- 1. Changes entered in the Oil and Gas Database on: 10/31/2005
- 2. Changes have been entered on the Monthly Operator Change Spread Sheet on: 10/31/2005
- 3. Bond information entered in RBDMS on: 10/31/2005
- 4. Fee/State wells attached to bond in RBDMS on: 10/31/2005
- 5. Injection Projects to new operator in RBDMS on: n/a
- 6. Receipt of Acceptance of Drilling Procedures for APD/New on: n/a

**FEDERAL WELL(S) BOND VERIFICATION:**

1. Federal well(s) covered by Bond Number: n/a

**INDIAN WELL(S) BOND VERIFICATION:**

1. Indian well(s) covered by Bond Number: n/a

**FEE & STATE WELL(S) BOND VERIFICATION:**

1. (R649-3-1) The **NEW** operator of any fee well(s) listed covered by Bond Number RLB0008031

2. The **FORMER** operator has requested a release of liability from their bond on: not yet  
The Division sent response by letter on: \_\_\_\_\_

**LEASE INTEREST OWNER NOTIFICATION:**

3. (R649-2-10) The **FORMER** 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: 10/31/2005

**COMMENTS:**

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_



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 30, 2008

CERTIFIED MAIL NO.: 7004 2510 0004 1824 5834

Mr. Alvin Arlian  
Enduring Resources, LLC  
475 17<sup>th</sup> Street, Suite 1500  
Denver, CO 80202

43 047 33935  
Quest 11-25-13-21  
11S 25E 21

Re: Extended Shut-in and Temporarily Abandoned Requirements for Wells on Fee or State Leases

Dear Mr. Arlian:

Enduring Resources, LLC has eighteen (18) Fee Lease Wells and eleven (11) Mineral Lease Wells (see attachment A) that are currently in non-compliance for extended shut-in and temporary abandonment (SI/TA) status. Wells SI/TA beyond twelve (12) consecutive months require the filing of a Sundry Notice in accordance with R649-3-36-1 for Utah Division of Oil, Gas & Mining ("Division") approval. Wells with five (5) years non-activity or non-productivity shall be plugged, unless the Division grants approval for extended shut-in time upon a showing of good cause by the operator (R649-3-36-1.3.3).

This is a second notice of non-compliance for wells 1 through 14 listed on Attachment A. The Division notified the previous operators, TCC Royalty, Ranken Energy, Mak-J Energy and Houston Exploration, on several occasions by certified mail about these wells non-compliance issues. Several plans to produce or plug were submitted, but no action has been taken to date on these wells. It has also come to the Divisions attention that Enduring no longer holds a valid lease for the DWR wells (wells 1 through 9 on Attachment A). Immediate action is required on these wells. The Division feels that sufficient time has passed to make a decision on these wells.

Please submit your plans to produce or plug these wells. If this is not addressed within 30 days, a Notice of Violation will be issued for these wells. A similar response is required for the other fifteen wells listed in Attachment A.



Page 2  
Mr. Arlian  
July 30, 2008

For extended SI/TA consideration the operator shall provide the Division with the following:

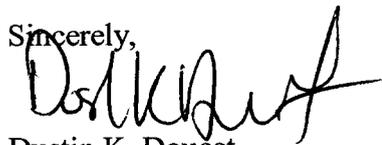
1. Reasons for SI/TA of the well (R649-3-36-1.1).
2. The length of time the well is expected to be SI/TA (R649-3-36-1.2), and
3. An explanation and supporting data if necessary, for showing the well has integrity, meaning that the casing, cement, equipment condition, static fluid level, pressure, existence or absence of Underground Sources of Drinking Water and other factors do not make the well a risk to public health and safety or the environment (R649-3-36-1.3)

Submitting the information suggested below may help show well integrity and may help qualify your well for extended SI/TA. **Note: As of July 1, 2003, wells in violation of the SI/TA rule R649-3-36 may be subject to full cost bonding (R649-3-1-4.2, 4.3).**

1. Wellbore diagram, and
2. Copy of recent casing pressure test, and
3. Current pressures on the wellbore (tubing pressure, casing pressure, and casing/casing annuli pressure) showing wellbore has integrity, and
4. Fluid level in the wellbore, and
5. An explanation of how the submitted information proves integrity.

If the required information is not received within 30 days of the date of this notice, further actions will be initiated. If you have any questions concerning this matter, please contact me at (801) 538-5281.

Sincerely,



Dustin K. Doucet  
Petroleum Engineer

JP:js  
Enclosure

cc: Compliance File  
Well File  
Jim Davis, SITLA

## Attachment A

	Well Name	API	Lease Type	Years Inactive
1	DWR 12-23-13-22	4304733345	FEE	7 YEARS 6 MONTHS
2	DWR 12-23-34-16	4304733346	FEE	7 YEARS 3 MONTHS
3	DWR 12-23-41-21	4304733480	FEE	8 YEARS 1 MONTH
4	DWR 12-23-13-28	4304733481	FEE	7 YEARS 8 MONTHS
5	DWR 12-23-24-16	4304733482	FEE	8 YEARS 1 MONTH
6	DWR 12-23-24-28	4304733483	FEE	7 YEARS 8 MONTHS
7	DWR 12-23-31-21	4304733484	FEE	8 YEARS 2 MONTHS
8	DWR 12-23-42-29	4304733487	FEE	7 YEARS 11 MONTHS
9	DWR 12-23-44-16	4304733489	FEE	7 YEARS 8 MONTHS
10	QUEST 11-25-13-21	4304733935	FEE	4 YEARS 6 MONTHS
11	QUEST 11-25-24-10	4304734118	FEE	7 YEARS 0 MONTHS
12	QUEST 11-25-31-28	4304735310	FEE	4 YEARS 4 MONTHS
13	QUEST 11-25-34-21	4304735297	FEE	4 YEARS 4 MONTHS
14	QUEST 11-25-11-27	4304735298	FEE	4 YEARS 5 MONTHS
15	QUEST 11-25-14-22	4304735299	FEE	2 YEARS 9 MONTHS
16	HOSS 9-25-34-20	4304734756	ML-45558	2 YEARS 7 MONTHS
17	BONANZA 9-24-22-36	4304735860	ML-46527	2 YEARS 6 MONTHS
18	BONANZA 9-24-11-36	4304735861	ML-46527	1 YEAR 5 MONTHS
19	BONANZA 9-25-13-20	4304735929	ML-45558	2 YEARS 11 MONTHS
20	RAINBOW 11-24-31-16	4304736184	ML-47080	1 YEAR 1 MONTH
21	SOUTHAM CYN 10-25-21-32	4304736421	ML 47065	1 YEAR 10 MONTHS
22	AGENCY DRAW 12-21-31-36	4304736424	ML 47086	2 YEARS 1 MONTH
23	BONANZA 9-24-32-22	4304736753	FEE	2 YEARS 6 MONTHS
24	ARCHY BENCH 12-23-22-16	4304736800	ML-48957	2 YEARS 0 MONTHS
25	ARCHY BENCH 11-24-24-32	4304736819	ML-49762	1 YEAR 4 MONTHS
26	ASPHALT WASH 11-24-42-16	4304736875	ML47080	2 YEARS 2 MONTHS
27	SOUTHAM CYN 9-24-23-36	4304736880	FEE	1 YEARS 1 MONTH
28	SOUTHAM CYN 10-25-11-6	4304736933	FEE	1 YEAR 3 MONTHS
29	BUCK CYN 12-21-43-16	4304737091	ML-47085	2 YEARS 9 MONTHS

**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>FEE</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: <b>N/A</b>
		7. UNIT or CA AGREEMENT NAME: <b>N/A</b>
1. TYPE OF WELL <b>OIL WELL</b> <input type="checkbox"/> <b>GAS WELL</b> <input checked="" type="checkbox"/> <b>OTHER</b> _____	8. WELL NAME and NUMBER: <b>Quest 11-25-13-21</b>	
2. NAME OF OPERATOR: <b>Enduring Resources, LLC</b>		9. API NUMBER: <b>4304733935</b>
3. ADDRESS OF OPERATOR: <b>475 17th Street, Suite 1500</b> CITY <b>Denver</b> STATE <b>Co</b> ZIP <b>80202</b>	PHONE NUMBER: <b>(303) 350-5114</b>	10. FIELD AND POOL, OR WILDCAT: <b>Kicker</b>
4. LOCATION OF WELL		
FOOTAGES AT SURFACE: <b>2027' FSL - 798' FWL</b> <b>S.L.B.&amp;M.</b>		COUNTY: <b>Uintah</b>
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: <b>NWSW 21 11S 25E S</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: <b>12/2/2008</b>	<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><b>Well Status Report</b></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.

Well Shut-in.

There appears to be a behind pipe zone at 3904-16'.

Currently making a completion attempt on the Quest 11-25-31-28. If this completion is successful, will make a similar completion attempt on this well.

NAME (PLEASE PRINT) <u>Alvin R. (Al) Arlian</u>	TITLE <u>Landman - Regulatory Specialist</u>
SIGNATURE	DATE <u>12/2/2008</u>

(This space for State use only)

**RECEIVED**

**DEC 08 2008**

**DIV. OF OIL, GAS & MINING**

**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: FEE
2. NAME OF OPERATOR: Enduring Resources, LLC		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: N/A
3. ADDRESS OF OPERATOR: 475 17th Street, Suite 1500 CITY Denver STATE Co ZIP 80202		7. UNIT or CA AGREEMENT NAME: N/A
4. LOCATION OF WELL FOOTAGES AT SURFACE: 2027' FSL - 798' FWL S.L.B.& M.		8. WELL NAME and NUMBER: Quest 11-25-13-21
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NWSW 21 11S 25E S		9. API NUMBER: 4304733935
COUNTY: Uintah		10. FIELD AND POOL, OR WILDCAT: Kicker
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 checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only)  Date of work completion: _____	<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 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>Well Status Report</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.

This well had 0 psig SITP and SICP in August 2008.

Enduring is requesting a 30 day extension to finish up an evaluation. There appears to be a behind pipe zone at 3904-16'.

COPY SENT TO OPERATOR

Date: 1.28.2009

Initials: KS

NAME (PLEASE PRINT) Alvin R. (Al) Arlian TITLE Landman - Regulatory Specialist  
SIGNATURE  DATE 8/29/2008

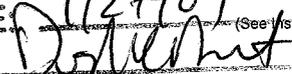
**RECEIVED**

(This space for State use only)

**APPROVED BY THE STATE  
OF UTAH DIVISION OF  
OIL, GAS, AND MINING**

SEP 04 2008

DIV. OF OIL, GAS & MINING

DATE: 11/27/09 (See Instructions on Reverse Side)  
BY: 

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: FEE
2. NAME OF OPERATOR: Enduring Resources, LLC				6. IF INDIAN, ALLOTTEE OR TRIBE NAME: N/A
3. ADDRESS OF OPERATOR: 475 17th Street, Suite 1500		CITY Denver	STATE Co ZIP 80202	7. UNIT or CA AGREEMENT NAME: N/A
4. LOCATION OF WELL		FOOTAGES AT SURFACE: 2027' FSL - 798' FWL S.L.B. & M.		8. WELL NAME and NUMBER: Quest 11-25-13-21
		QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NWSW 21 11S 25E S		9. API NUMBER: 4304733935
		COUNTY: Uintah		10. FIELD AND POOL, OR WILDCAT: Kicker
		STATE: 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 (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: 1/2/2009	<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>Well Status Report</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.

Well Shut-in.

Waiting results of a completion attempt on the Quest 11-25-31-28. If this completion is successful, will make a similar completion attempt on this well.

NAME (PLEASE PRINT) <u>Alvin R. (AI) Arlian</u>	TITLE <u>Landman - Regulatory Specialist</u>
SIGNATURE 	DATE <u>1/2/2009</u>

(This space for State use only)

RECEIVED  
JAN 05 2009  
DIV. OF OIL, GAS & MINING

**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: FEE
2. NAME OF OPERATOR: Enduring Resources, LLC		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: N/A
3. ADDRESS OF OPERATOR: 475 17th Street, Suite 1500 CITY Denver STATE Co ZIP 80202		7. UNIT or CA AGREEMENT NAME: N/A
4. LOCATION OF WELL FOOTAGES AT SURFACE: 2027' FSL - 798' FWL S.L.B.& M. COUNTY: Uintah		8. WELL NAME and NUMBER: Quest 11-25-13-21
PHONE NUMBER: (303) 350-5114		9. API NUMBER: 4304733935
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NWSW 21 11S 25E S STATE: UTAH		10. FIELD AND POOL, OR WILDCAT: Kicker

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: 4/1/2009	<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>Well Status Report</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.

**MONTHLY WELL STATUS REPORT:**

This well shall continue to be shut-in for the month of April, 2009.

1. Enduring is preparing an "Action Plan" for this and other shut-in wells.
2. By May 1, 2009, the Action Plan is to be submitted for the approval of the DOG&M.

NAME (PLEASE PRINT) <u>Alvin R. (Al) Arlian</u>	TITLE <u>Landman - Regulatory Specialist</u>
SIGNATURE	DATE <u>3/30/2009</u>

(This space for State use only)

**RECEIVED**  
**APR 02 2009**  
DIV. OF OIL, GAS & MINING

<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> FEE
<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>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>  <b>7. UNIT or CA AGREEMENT NAME:</b>
<b>1. TYPE OF WELL</b> Gas Well	<b>8. WELL NAME and NUMBER:</b> QUEST 11-25-13-21
<b>2. NAME OF OPERATOR:</b> Enduring Resources, LLC	<b>9. API NUMBER:</b> 43047339350000
<b>3. ADDRESS OF OPERATOR:</b> 475 17th Street, Suite 1500 , Denver, CO, 80202	<b>PHONE NUMBER:</b> 303 350-5114 Ext
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 2027 FSL 0798 FWL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NWSW Section: 21 Township: 11.0S Range: 25.0E Meridian: S	<b>9. FIELD and POOL or WILDCAT:</b> KICKER  <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"/> <b>NOTICE OF INTENT</b> Approximate date work will start:	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input checked="" type="checkbox"/> <b>SUBSEQUENT REPORT</b> Date of Work Completion: 5/29/2009	<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 checked="" type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: Monthly Status Report

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

5-29-2009 Pursuant to an Action Plan submitted to DOG&M May-2009, this well shall continue to be shut-in while six other wells are being plugged commencing June-2009.

Accepted by the  
 Utah Division of  
 Oil, Gas and Mining  
**FOR RECORD ONLY**  
 June 01, 2009

<b>NAME (PLEASE PRINT)</b> Alvin Arlian	<b>PHONE NUMBER</b> 303 350-5114	<b>TITLE</b> Landman-Regulatory
<b>SIGNATURE</b> N/A		<b>DATE</b> 5/29/2009

<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> FEE
<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>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>  <b>7. UNIT or CA AGREEMENT NAME:</b>
<b>1. TYPE OF WELL</b> Gas Well	<b>8. WELL NAME and NUMBER:</b> QUEST 11-25-13-21
<b>2. NAME OF OPERATOR:</b> Enduring Resources, LLC	<b>9. API NUMBER:</b> 43047339350000
<b>3. ADDRESS OF OPERATOR:</b> 475 17th Street, Suite 1500 , Denver, CO, 80202	<b>PHONE NUMBER:</b> 303 350-5114 Ext
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 2027 FSL 0798 FWL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NWSW Section: 21 Township: 11.0S Range: 25.0E Meridian: S	<b>9. FIELD and POOL or WILDCAT:</b> KICKER  <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"/> <b>NOTICE OF INTENT</b> 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: Monthly Status Report
<input checked="" type="checkbox"/> <b>SUBSEQUENT REPORT</b> Date of Work Completion: 6/30/2009			
<input type="checkbox"/> <b>SPUD REPORT</b> Date of Spud:			
<input type="checkbox"/> <b>DRILLING REPORT</b> Report Date:			

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

6-30-2009 Pursuant to an Action Plan submitted to and approved by the DOG&M in May-2009, this well shall continue to be shut-in while six other wells are being plugged commencing June-2009.

**Accepted by the  
 Utah Division of  
 Oil, Gas and Mining  
 FOR RECORD ONLY**  
 June 30, 2009

<b>NAME (PLEASE PRINT)</b> Alvin Arlian	<b>PHONE NUMBER</b> 303 350-5114	<b>TITLE</b> Landman-Regulatory
<b>SIGNATURE</b> N/A		<b>DATE</b> 6/30/2009

<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> FEE
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	<b>7. UNIT or CA AGREEMENT NAME:</b>
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<b>2. NAME OF OPERATOR:</b> Enduring Resources, LLC	<b>9. API NUMBER:</b> 43047339350000
<b>3. ADDRESS OF OPERATOR:</b> 475 17th Street, Suite 1500 , Denver, CO, 80202	<b>PHONE NUMBER:</b> 303 350-5114 Ext
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 2027 FSL 0798 FWL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NWSW Section: 21 Township: 11.0S Range: 25.0E Meridian: S	<b>9. FIELD and POOL or WILDCAT:</b> KICKER
	<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 checked="" type="checkbox"/> <b>NOTICE OF INTENT</b> Approximate date work will start: 11/5/2010	<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 checked="" type="checkbox"/> <b>PLUG AND ABANDON</b>	<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.

Attached is a proposed plugging procedure for this well. 1. Seeding and surface restoration shall be approved by surface owner.

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

Date: October 21, 2010  
By: *Dark K. Duff*

<b>NAME (PLEASE PRINT)</b> Alvin Arlian	<b>PHONE NUMBER</b> 303 350-5114	<b>TITLE</b> Landman-Regulatory
<b>SIGNATURE</b> N/A	<b>DATE</b> 10/13/2010	



**The Utah Division of Oil, Gas, and Mining**

- State of Utah  
- Department of Natural Resources

Electronic Permitting System - Sundry Notices

**Sundry Conditions of Approval Well Number 43047339350000**

- 1. Notify the Division at least 24 hours prior to conducting abandonment operations. Please call Dan Jarvis at 801-538-5338.**
- 2. Add Plug #3: A 200' plug ( $\pm 23$  sx) shall be balanced from  $\pm 1050'$  to 850'. This will isolate the base of surface casing shoe.**
- 3. Plug #4 (surface plug) shall extend to the base of the Parachute Creek member and all annuli shall be filled to the base of the Parachute Creek member as specified in Board Cause No. 190-13.**
- 4. All balanced plugs shall be tagged to ensure that they are at the depth specified.**
- 5. Surface reclamation shall be done in accordance with R649-3-34 – Well Site Restoration.**
- 6. All requirements in the Oil and Gas Conservation General Rule R649-3-24 shall apply.**
- 7. If there are any changes to the procedure or the wellbore configuration, notify Dustin Doucet at 801-538-5281 (ofc) or 801-733-0983 (home) prior to continuing with the procedure.**
- 8. All other requirements for notice and reporting in the Oil and Gas Conservation General Rules shall apply.**

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

**Date:** October 21, 2010  
**By:** Dustin Doucet

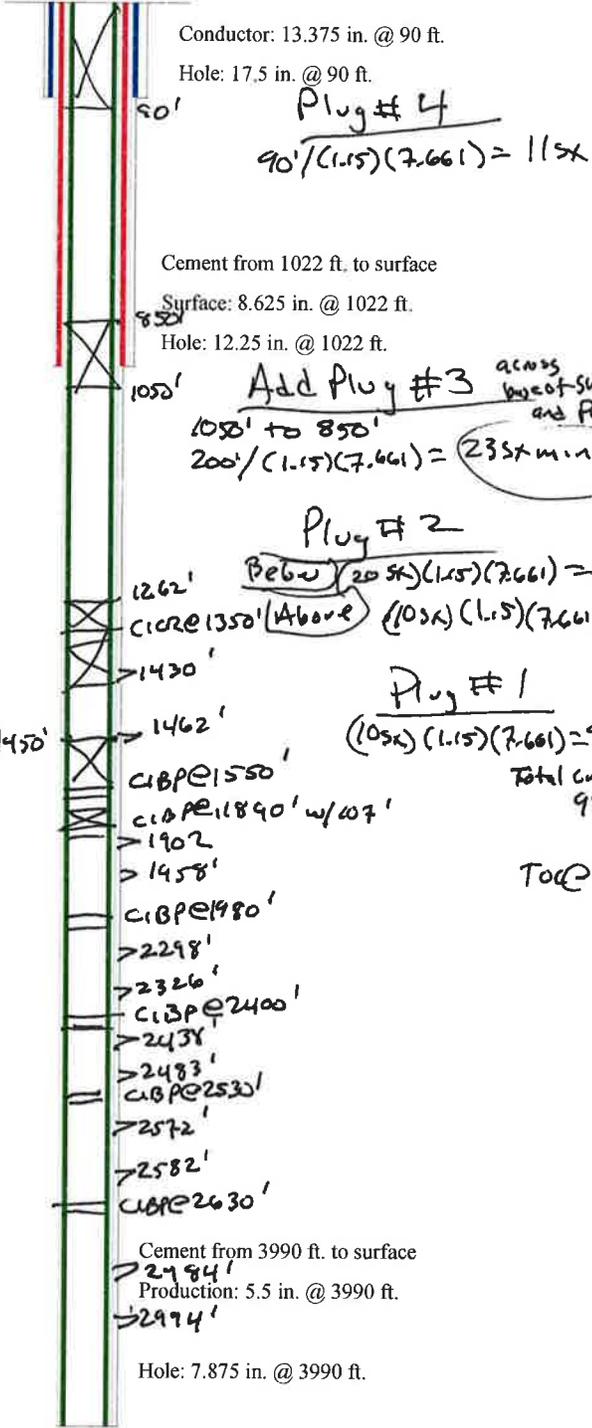
# Wellbore Diagram

API Well No: 43-047-33935-00-00    Permit No:  
 Company Name: ENDURING RESOURCES, LLC  
 Location: Sec: 21 T: 11S R: 25E Spot: NWSW  
 Coordinates: X: 660065 Y: 4412106  
 Field Name: KICKER  
 County Name: Uintah

Well Name/No: QUEST 11-25-13-21

### String Information

String	Bottom (ft sub)	Diameter (inches)	Weight (lb/ft)	Length (ft)	Capacity (F/CF)
HOL1	90	17.5			
COND	90	13.375			
HOL2	1022	12.25			
SURF	1022	8.625	32	1022	
SURF	1022	8.625	24	1022	
HOL3	3990	7.875			
PROD	3990	5.5	17	3990	7.661



### Cement Information

String	BOC (ft sub)	TOC (ft sub)	Class	Sacks
PROD	3990	0	G	880
SURF	1022	0	G	556

### Perforation Information

Top (ft sub)	Bottom (ft sub)	Shts/Ft	No Shts	Dt Squeeze
2438	2483			
2984	2994			
2298	2326			
2572	2582			
1902	1958			
1430	1462			

### Formation Information

Formation	Depth
WSTC	1902
MVRD	2436

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

Date: October 21, 2010

By: Derek Duff

TD: 3990 TVD: PBD: 3911

**Quest #11-25-13-21 (Was Cliffs 12-21L and Quest 12-21)**  
**Proposed P&A Procedure**

13 3/8" at 84'  
8 5/8" @ 1,022' TOC at Surface  
5 1/2" @ 3,990' TOC to surface

Note: well was a re-entry

Open Perfs: 1,430' -1,462'

PBTD @ 1,540' - CIBP

Prior to MI check deadmen and blow down the well  
MIRU, NDWH, NUBOP  
POH and check tubing  
TIH to 1,540' (top of CIBP)  
Spot 10 sacks of cement to cover CIBP  
POH  
TIH and set CICR at 1,350'  
Spot 20 sacks under and 10 on top  
Roll hole with produced water and corrosion inhibitor  
Pressure test casing, if test fails call for orders  
POH, leaving 3 joints of tubing in the hole  
Circulate cement to surface, POH  
Cut off wellhead  
Top off cement in long string and annulus with 1" tubing if necessary on  
Weld Plate  
RDMO

<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> FEE
	<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>
	<b>7. UNIT or CA AGREEMENT NAME:</b>
<b>1. TYPE OF WELL</b> Gas Well	<b>8. WELL NAME and NUMBER:</b> QUEST 11-25-13-21
<b>2. NAME OF OPERATOR:</b> Enduring Resources, LLC	<b>9. API NUMBER:</b> 43047339350000
<b>3. ADDRESS OF OPERATOR:</b> 475 17th Street, Suite 1500 , Denver, CO, 80202	<b>PHONE NUMBER:</b> 303 350-5114 Ext
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 2027 FSL 0798 FWL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NWSW Section: 21 Township: 11.0S Range: 25.0E Meridian: S	<b>9. FIELD and POOL or WILDCAT:</b> KICKER
	<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"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 11/18/2010	<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 checked="" 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
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	<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.

Plugging subsequent Report Attached. Location Restoration and seeding will be done as requested by the DOG&M and the Fee surface owner.

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

<b>NAME (PLEASE PRINT)</b> Alvin Arlian	<b>PHONE NUMBER</b> 303 350-5114	<b>TITLE</b> Landman-Regulatory
<b>SIGNATURE</b> N/A		<b>DATE</b> 11/23/2010

## QUEST 11-25-13-21

### Plugging Report Summary

**11/16/2010** Pull test rig anchors with Benco Anchors. MIRU Western Wellsite Well Service. Hold tailgate safety meeting. Bleed pressure off well. ND WH NU BOPE. No tbg in well as per WBD. Tally and PU 2 3/8 tbg off trailer. TIH w/mill on tbg and tag CIBP at 1537'. SWIFN. Work witnessed by Ted Smith with DOGM.

**11/17/2010** Pre-job safety meeting. Mix and pump 10 sacks 15.8# Class G cement on top of CIBP @1537'. TOOH. PU CICR for 5.5" csg and TIH and set @1337'. Pressure test tbg and csg to 1000 psi. Load hole with 35 bbls treated packer fluid. Mix and pump 30 sacks 15.8# class G cement. Pump 20 sacks under and 10 sacks on top of CICR. TOOH to 1050'. Mix and pump 30 sack 15.8# Class G balanced plug. TOOH, WOC. TIH and tag TOC@832'. TOOH, SWIFN. All plugs witnessed by Ted Smith with DOGM.

**11/18/2010** ND BOPE. TIH to 120'. Mix and pump 25 sacks 15.8# Class G cement to surface. TOOH. RD pulling Unit. Dig out WH. Cut off WH. Run 1" pipe down 8 7/8" X 5.5" annulus and tagged up at 40'. Mix and pump 15 sks Class G cement to surface. Top off 5.5" csg with 5 sacks class G cement. Weld on information plate on csg stub. Backfill over info plate. Release rig. All plugs witnessed by Ted Smith DOGM.

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<b>12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.</b> Final Reclamation done per Landowner instruction. Reseeded the location with the following seed mix as per Gary Aho, Enefit: 24# Russian Wild Rye, 24# Crested Wheat Grass, 8.5 # Four Wing Salt Bush, 8# Lewis Blue Flax, 8# Indian Rice Grass, 8# Tall Wheat Grass. Lease road closed after reseeding per Gary Aho, Enefit instructions. This is final reclamation report.																																
<b>NAME (PLEASE PRINT)</b> Alvin Arian  <b>PHONE NUMBER</b> 303 350-5114		<b>TITLE</b> Landman-Regulatory																														
<b>SIGNATURE</b> N/A		<b>DATE</b> 10/20/2011																														