

UTAH OIL AND GAS CONSERVATION COMMISSION

REMARKS: WELL LOG ELECTRIC LOGS FILE WATER SANDS LOCATION INSP SUB. REPORT/abd.

991210 APD EXT TO B-9-2000!

DATE FILED: NOVEMBER 19, 1998
 LAND: FEE & PATENTED STATE LEASE NO. PUBLIC LEASE NO. UTU-73920 INDIAN

DRILLING APPROVED: DECEMBER 16, 1998

SPUDDED IN:
 COMPLETED: PUT TO PRODUCING:

INITIAL PRODUCTION:
 GRAVITY A.P.I.
 GOR:

PRODUCING ZONES:
 TOTAL DEPTH:

WELL ELEVATION:
 DATE ABANDONED:

FIELD: UNDESIGNATED

UNIT:
 COUNTY: UINTAH

WELL NO. FED. N 24-17 API NO. 43-047-33254

LOCATION 780 FSL FT. FROM (N) (S) LINE. 1726 FWL FT. FROM (E) (W) LINE. SE SW 1/4 - 1/4 SEC. 17

TWP.	RGE.	SEC.	OPERATOR	TWP.	RGE.	SEC.	OPERATOR
11S	24E	17	LONE MOUNTAIN PROD.				



Office (435) 789-0968
Cellular (435) 828-0968

350 S. 800 E.
Vernal, UT 84078

September 21, 1998

Re: Well Fed N 24-17
SE/SW, Sec. 17, T11S, R24E
Lease No. UTU-73920

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

Dear Sirs:

Lone Mountain Production Company (Lone Mountain) respectfully requests a spacing exception for the subject well. The well was originally requested for the center of the SE $\frac{1}{4}$ of the SW $\frac{1}{4}$. The location was moved due to topographic considerations, major drainage and access conditions.

The well is located 780' FSL, 1,726' FEL in Sec. 17, T11S, R24E.

A 460' radius around the proposed location is within lease UTU-73920. Please see the attached map.

If you have additional questions please contact me.

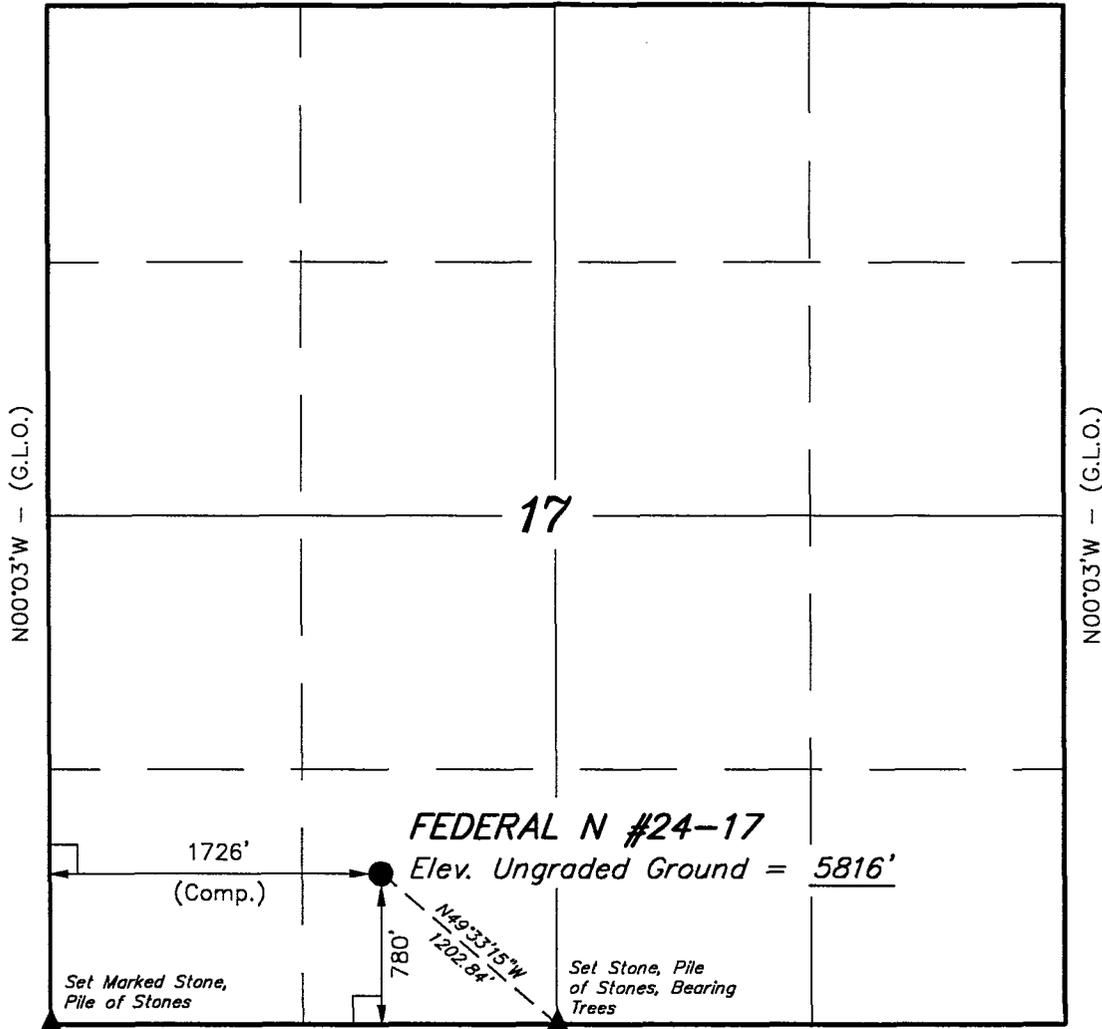
Sincerely

A handwritten signature in cursive script that reads "William A. Ryan".

William (Bill) Ryan
Agent

T11S, R24E, S.L.B.&M.

N89°58'W - 80.16 (G.L.O.)



N00°03'W - (G.L.O.)

N00°03'W - (G.L.O.)

17

FEDERAL N #24-17

Elev. Ungraded Ground = 5816'

1726'
(Comp.)

N49°33'15"W
780'
1202.84'

Set Marked Stone,
Pile of Stones

Set Stone, Pile
of Stones, Bearing
Trees

N89°59'W - G.L.O. (Basis of Bearings)
2640.83' (Measured)

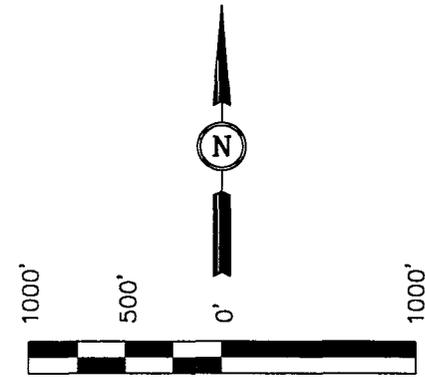
N89°59'W - 39.98 (G.L.O.)

LONE MOUNTAIN PRODUCTION

Well location, FEDERAL N #24-17, located as shown in the SE 1/4 SW 1/4 of Section 17, T11S, R24E, S.L.B.&M. Uintah County Utah.

BASIS OF ELEVATION

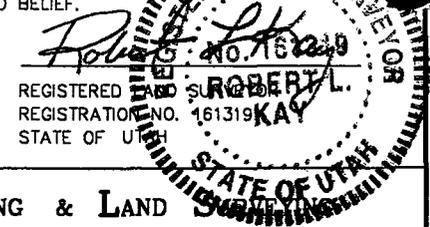
SPOT ELEVATION ON A HILL TOP LOCATED IN THE NW 1/4 SW 1/4 OF SECTION 29, T11S, R24E, S.L.B.&M. TAKEN FROM THE ARCHY BENCH SE QUADRANGLE, UTAH, UINTAH COUNTY, 7.5 MINUTE QUAD. (TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 5965 FEET.



SCALE

CERTIFICATE

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



UINTAH ENGINEERING & LAND

85 SOUTH 200 EAST - VERNAL, UTAH 84078
(435) 789-1017

LEGEND:

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

LATITUDE = 39°51'25"

LONGITUDE = 109°15'27"

SCALE 1" = 1000'	DATE SURVEYED: 7-1-98	DATE DRAWN: 7-6-98
PARTY B.B. D.R. C.B.T.	REFERENCES G.L.O. PLAT	
WEATHER HOT!	FILE LONE MOUNTAIN PRODUCTION	

SELF-CERTIFICATION STATEMENT

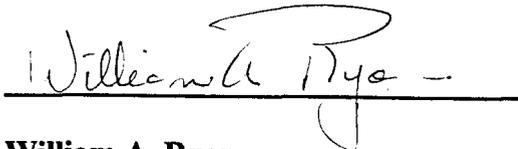
The following self-certification statement is provided per Federal requirements dated June 15, 1988.

Please be advised that Lone Mountain Prod., Co. are considered to be the operator of the following well.

Fed. N 24-17
SE 1/4, SW 1/4, Section 17, T. 11, R. 24 E.
Lease UTU-73920
Uintah County, Utah

Lone Mountain Prod. Co. is responsible under the terms and conditions of the lease for the operations conducted upon the lease lands.

Bond UT-0719 provided state wide coverage on Federal lands.

A handwritten signature in black ink that reads "William A. Ryan". The signature is written in a cursive style and is positioned above a solid horizontal line.

William A. Ryan
Agent
Rocky Mountain Consulting
350 S. 800 E.
Vernal UT 84078
435-789-0968 Office
435-828-0968 Cell
435-789-0970 Fax

Ten Point Plan

Lone Mountain Prod., Co.

Fed. N 24-17

Surface Location SE 1/4, SW 1/4, Section 17, T. 11 S., R. 24 E.

1. Surface Formation:

Green River

2. Estimated Formation Tops and Datum:

<u>Formation</u>	<u>Depth</u>	<u>Datum</u>
Green River	Surface	+5,816' G.L.
Oil Shale	1	+5,815
Wasatch	2,476	+3,340
Mesaverda formation	4,226	+1,590
T.D.	6,000	-184

3. Producing Formation Depth:

Formation objective includes the Wasatch and its sub-members.

Off Set Well Information:

Off set well: None

4. Proposed Casing:

<u>Hole</u> <u>Size</u>	<u>Casing Grade</u> <u>Size</u> <u>Weight/Ft.</u>	<u>Setting</u> <u>& Tread</u>	<u>Casing</u> <u>Depth</u>	<u>New/Used</u>
12 1/4	9 5/8 36	J-55/STC	300	New
7 7/8	4 1/2 11.6	J-55/LTC	T.D.	New

Cement Program:

<u>Casing Size</u>	<u>Cement Type</u>	<u>Cement Amount</u>	<u>Cement Yield</u>	<u>Cement Weight</u>
9 5/8	Class "G" 2% Calcium 1/4 #/sk. Cello Flake	200 sks. +/-	1.18 cu. ft./sk.	15.6 lbs./gal.
4 1/2 Lead.	Class "G" 3% salt 16% gel (Bentonite) 10#/sk Gilsonite .4 lbs./sk. FL 25	200 sks. +/-	3.90 cu. ft./sk.	11.0 lbs./gal.
Tail	Class "G" 10% salt 10% Gypsum 2% WR14 .4 lbs/sk FL-25	500 sks. +/-	1.53 cu. ft./sk.	14.8 lbs./gal.

5. BOP and Pressure Containment Data:

The anticipated bottom hole pressure will be less than 3000 psi.

A 3000-psi WP BOP system as described in the BOP and Pressure Containment Data (attached) will be installed and maintained from the 9 5/8" surface casing. The BOP system including the casing will be pressure tested to the minimum standards set forth in "On Shore Order #2". The BOP will be mechanically checked daily during the drilling operation.

6. Mud Program:

<u>Interval</u>	<u>Mud weight lbs./gal.</u>	<u>Viscosity Sec./Qt.</u>	<u>Fluid Loss MI/30 Mins.</u>	<u>Mud Type</u>
0-300	Air/Clear Water	----	No Control	Water/Gel
300-2500	Clear Water	----	No Control	Water/Gel
2500-T.D.	8.4-8.6	30	8-10	Water/Gel

7. Auxiliary Equipment:

Upper Kelly cock, full opening stabbing valve, 2 1/2" choke manifold and pit level indicator.

8. Testing, Coring, Sampling and Logging:

- a) Test: None are anticipated.
- b) Coring: There is the possibility of sidewall coring.
- c) Sampling: Every 10' from 2000' to T.D.
- d) Logging:

Type	Interval
DLL/SFL W/GR and SP	T.D. to Surf. Csg
FDC/CNL W/GR and CAL	T.D. to Surf. Csg

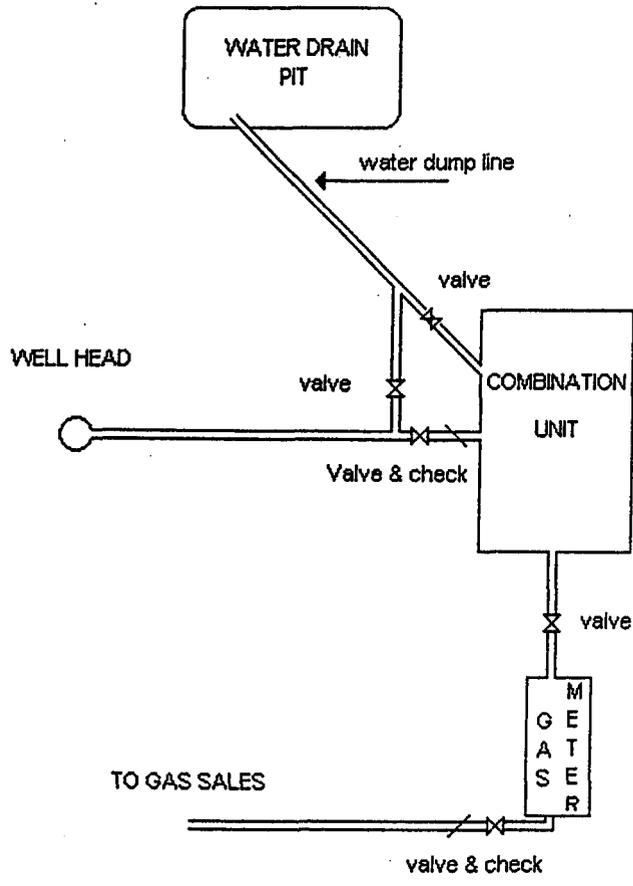
9. Abnormalities (including sour gas):

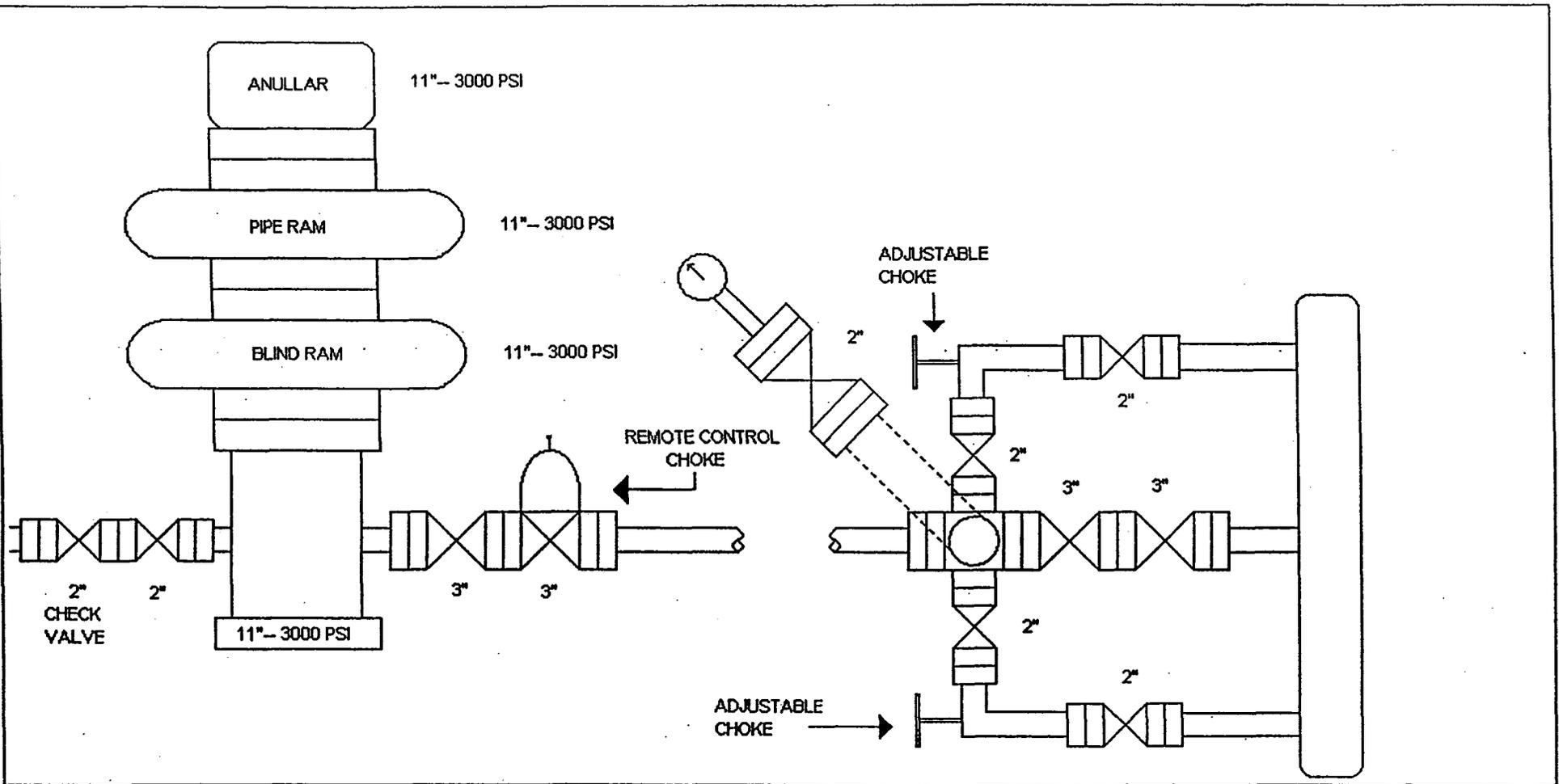
No abnormal pressures, temperatures or other hazards are anticipated. Oil and gas shows are anticipated in the Wasatch Formation. Other wells drilled in the area have not encountered over pressured zones or H₂S.

10. Drilling Schedule:

The anticipated starting date is April 1, 1999. Duration of operations expected to be 30 days.

LONE MOUNTAIN
TYPICAL
GAS WELL





Statement of use of Hazardous Material

No chemical(s) from the EPA's Consolidated list of Chemicals subject to Reporting Under Title III of the Superfund Amendments and Reauthorization, Act (SARA) of 1986. will be used, produced, transported, stored, disposed, or associated with the proposed action, No extremely hazardous substances, as defined in 40 cfr 355, will be used, produced, stored, transported, disposed, or associated with the proposed action.

If you require additional information please contact:

William A Ryan
Agent for Lone Mountain Production Co.
Rocky Mountain Consulting
350 S. 100 E.
Vernal Utah, 84078

Telephone
(801) 789-0968 office
(801) 823-6152 cellular
(801) 789-0970 fax

LONE MOUNTAIN PRODUCTION COMPANY

13 POINT SURFACE USE PLAN

FOR WELL

FED. N 24-17

LOCATED IN

SE 1/4, SW 1/4

SECTION 17, T. 11 S., R. 24 E., U.S.B.&M.

UINTAH COUNTY, UTAH

LEASE NUMBER: UTU-73920

SURFACE OWNERSHIP: FEDERAL

1. Existing Roads

To reach the **Lone Mountain Production Co. well Fed. N 24-17, in Section 17, T 11 S, R 24 E**, from Bonanza, Utah:

Starting in Bonanza, Utah: proceed south on the paved road for 4 miles.

Turn south (left) on the Book Cliffs road (dirt road). Proceed south 3.9 miles to the Greeks Corrals.

Turn west (right) at the fork in the road. Proceed 8.3 miles to the Asphalt Wash
n. Stay to the south (left).

Proceed 1 mile to Rainbow Junction. Stay to the west (right). This is also called the Kings Well road.

Proceed 6.1 miles to the cedar corrals. Turn north and proceed .7 miles.

Turn north and east on the existing road. Proceed 3.5 miles.

The proposed location will be at his point.

All existing roads to the proposed location are State or County Class D roads.

Please see the attached map for additional details.

2. Planned access road

Please note the County Road will have to be up graded on the last 3.5 miles of access road.

The road will be upgraded to the following standards:

A) Approximate length	3.5 miles
B) Right of Way width	30 ft.
C) Running surface	18 ft.
D) Surfacing material	native soil
E) Maximum grade	5%
F) Fence crossing	none
G) Culvert	none
H) Turnouts	none
I) Major cuts and fills	none
J) Road flagged	yes
K) Access road surface ownership	Federal
L) All new construction on lease	yes
M) Pipe line crossing	none

Please see the attached location plat for additional details.

A right of way will not be required for the access road. All new construction will be on lease.

3. Location of existing wells

The following wells are located within a one-mile radius of the location site.

A) Producing well	none
B) Water well	none
C) Abandoned well	none
D) Temp. abandoned well	none
F) Drilling/Permitted well	none
G) Shut in wells	none
H) Injection well	none
I) Monitoring or observation well	none

Please see the attached map for additional details.

4. Location of tank batteries, production facilities, and production gathering service lines.

All production facilities are to be contained within the proposed location site. Please see the attached plat plan for a typical gas well separator installation and well site piping.

All permanent (on site for more than six months or longer) structures constructed or installed will be painted a **Juniper Green** color. Facilities required to comply with O.S.H.A. (Occupational Safety and Health Act) will be excluded. The required **paint color is Juniper Green.**

All tanks will be surrounded by a dike of sufficient capacity to contain the storage capacity of the largest tank in the battery. The integrity of the dike will be maintained.

The operator will adhere to all site security guidelines and regulations identified in 43 cfr 3126.7.

All off lease storage, off lease measurement, commingling on lease or off lease, of production, will have prior written approval from the authorized officer.

If the well is capable of economic production a surface gas gathering pipeline will be required.

Approximately 4,500' of 4" gathering line would be constructed on Federal lands. The line would tie into the proposed line.

Please see the attached location diagrams for pipe line location. There will be no additional surface disturbances required for the installation of a gathering line. **The pipeline will be welded on location and pulled off location. A small staging area will be required as indicated on the attached map. The area will be used to weld pipe together before pulling the line down the hill to the tie in.**

A right-of-way will not be required. All construction will be on lease.

The gas meter run will be located within 500' of the well head. The gas line will be buried or anchored down from the well head to the meter. Meter runs will be housed and/or fenced.

The gas meter will be calibrated and the tank strapped in place prior to any deliveries. Tests for meter accuracy will be conducted monthly for the first three months on new meter installations and at least quarterly thereafter. The authorized officer will be provided with a date and time for the initial meter calibration and all future meter proving schedule. A copy of the meter calibration report will be submitted to the **BLM's Vernal District office.** All measurement facilities will conform to API (American Petroleum Institute) and AGA (American Gas Association) standards for gas and liquid hydrocarbon measurement.

5. Location and type of water supply

Water for drilling and cementing the subject well will be hauled by truck from Rosewoods water station in Section 13, T11S, R23E. A second source would be Evacuation Creek permit # 49-1595.

The Evacuation Creek distribution point is in Section 7, T11S, R25E. Water for completion will come from the same supply or Vernal City.

6. Source of construction materials

All construction material for this location site and access road shall be borrow material accumulated during construction of the location site and access road. Additional road gravels or pit lining material will be obtained from private sources.

7. Methods for handling waste disposal

A) Pit construction and liners:

The reserve pit will be approximately 10 ft. deep and most of the depth shall be below the surface of the existing ground. Please see the attached plat for details.

The reserve pit will be lined.

The reserve pit will not be used to store water for drilling. A semi-closed system will be used to drill the well. All fresh water for drilling will come from a frac tank placed on location and from the rig tank. The pit will be used to hold non-flammable materials such as cuttings, salt, drilling fluids, chemicals, produced fluids, etc.

B) Produced fluids:

Produced water will be confined to the reserve pit, or if deemed necessary a storage tank for a period not to exceed 90 days after initial production. During the 90 days an

application will be made to the authorized officer for a permanent disposal method and location.

C) Garbage:

A trash cage fabricated from expanded metal will be used to hold trash on location and will be removed to an authorized land fill location.

D) Sewage:

A portable chemical toilet will be supplied for human waste.

E) Site clean up:

After the rig is moved off the location the well site area will be cleaned and all refuse removed.

8. Ancillary facilities

There are no ancillary facilities planned at this time and none are foreseen for the future.

9. Well-site layout

Location dimensions are as follow:

A) Pad length	325 ft.
B) Pad width	155 ft.
C) Pit depth	10 ft.
D) Pit length	180 ft.
E) Pit width	50 ft.
F) Max cut	2.7 ft.
G) Max fill	4.1 ft.
H) Total cut yd's	4,780 cu. yd's
I) Pit location	south side
J) Top soil location	north side
K) Access road location	west end

**UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT**

5. LEASE DESIGNATION AND SERIAL NO.

UTU-73920

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

NA

7. UNIT AGREEMENT NAME

NA

8. FARM OR LEASE NAME

NA

9. WELL NO.

Fed. N 24-17

10. FIELD OR LEASE NAME

11. Sec., T., R., M., OR BLK

AND SURVEY OR AREA

Sec. 17, T11S, R24E

12. COUNTY OR PARISH 13. STATE

Uintah

Utah

1a. TYPE OF WORK

DRILL **DEEPEN** **PLUG BACK**

B. TYPE OF WELL

OIL WELL **GAS WELL** **OTHER** **SINGLE ZONE** **MULTIPLE ZONE**

2. NAME OF OPERATOR

Lone Mountain Production Company

3. ADDRESS OF OPERATORS

P.O. Box, 3394, Billings, MT. 59103 406-245-5077

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirement)

at surface **780' FSL, 1,726' FSL SE/SW 649070.67**
At proposed prod. Zone **736 626 W 4413116.38**

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*

19.2 miles south of Bonanza Utah

15. DISTANCE FROM PROPOSED LOC. TO NEAREST PROP. OR LEASE LINE, FT. (Also to nearest drlg. Unit line, if any)

780'

16. NO. OF ACRES IN LEASE

1610.16

17. NO. OF ACRES ASSIGNED TO THIS WELL

40

16. DISTANCE FROM PROPOSED LOCATION * TO NEAREST WELL, DRILLING COMPLETED.

NA

19. PROPOSED DEPTH

6,000'

20. ROTARY OR CABLE TOOLS

Rotary

21. ELEVATION (SHOW WHETHER DF. RT, GR, etc.)

5,816'

22. APPROX. DATE WORK WILL START

April 1, 1999

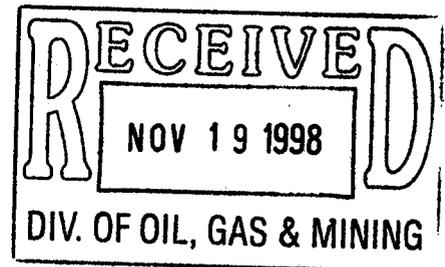
PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/4	9 5/8	36	300	To Surface
7 7/8	4 1/2	11.6	T.D.	Cement top to cover the oil shale

**Operator requests permission to drill the subject well.
Please see the attached 10 Point and 13 Point Surface Use Plan.**

If you require additional information please contact:

**William Ryan
350 S., 800E.
Vernal, Utah
435-789-0968**



IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposed in to deepen or plug back, give data on proposed productive zone and proposed new productive zone. If proposal is to drill or deepen directional, give pertinent data on subsurface location and measure and true vertical depths. Give blowout preventer program, if any.

24. SIGNATURE William A Ryan TITLE Agent DATE Oct. 13, 1998

(This space for Federal or State Office Use)

PERMIT NO. 43-047-33254 APPROVAL DATE _____
APPROVED BY Bradley G Hill TITLE RECLAMATION SPECIALIST III DATE 12/16/98

**Federal Approval of this
Action is Necessary**

***See Instructions on Reverse Side**

L) Flare pit

corner B

Please see the attached location diagram for additional details.

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

- A) Thirty nine-inch net wire shall be used with at least one strand of 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 ft.
- E) All wire shall be stretched by using a stretching device before it is attached to the corner posts.

10. Plans for restoration of the surface

Prior to construction of the location, the top 6 inches of soil material will be stripped off the location and the pit area. The topsoil removed and piled will amount to approximately 1,000 cubic yards of material. **Topsoil will be stockpiled in two distinct piles (location topsoil and pit topsoil).** Placement of the topsoil is noted on the

attached location plat. **The topsoil pile from the location will be seeded as soon as the soil is stock piled with the seed mix listed. The area will then be walked over with a cat. When all drilling and completion activities have been completed and the pit back-filled the topsoil from the pit area will be spread on the pit area. The pit area will be seeded when the soil has been spread. The pit area will then be walked over with a cat.** The unused portion of the location (the area outside the dead men.) will be recontoured

The dirt contractor will be provided with an approved copy of the surface use plan prior to construction activities.

Changes to the drainage during the construction activities shall be restored to its original line of flow or as near as possible when the pit is back-filled

All disturbed areas will be recontoured to the approximate natural contours. Prior to back filling the pit the fences around the reserve pit will be removed.

The reserve pit will be reclaimed within 90 days of well completion. If the reserve pit has not dried sufficiently to allow back filling, an extension on the time requirement for back filling the pit will be requested. Once reclamation activities have begun, they shall be completed within 30 days.

After the reserve pit has been reclaimed, no depressions in the soil covering the reserve pit will be allowed. The objective is to keep seasonal rainfall and run off from seeping into the soil used to cover the reserve pit. Diversion ditches and water bars will be used to divert run off as needed.

When restoration activities have been completed, the location site and new access road cuts and shoulders shall be reseeded. Prior to reseeding, all disturbed areas will be scarified and left with a rough surface.

A) Seeding dates:

Seed will be spread when the topsoil is stock piled and when reclamation work is performed.

The seed mix and quantity list will be used whether the seed is broadcast or drilled.

B) Seed Mix

Four Wing Salt Brush	4#/acre
Shad Scale	3#/acre
Needle & Thread Grass	3#/acre
Indian Rice Grass	2#/acre

At such time as the well is plugged and abandoned the operator will submit a surface reclamation plan to the surface management agency for prescribed seed mixture and reseeding requirements.

11. Surface ownership:

Access road	Federal
Location	Federal
Pipe line	Federal

12. Other information

A) Vegetation:

The vegetation coverage is slight. The majority of the existing vegetation consists of sagebrush. Rabbit brush, bitter brush and Indian

rice grass are also found on the location.

B) Dwellings:

There are no dwellings or other facilities within a one-mile radius of the location.

C) Archeology:

The location has not been surveyed. A copy of that survey will be forwarded to your office.

If, during operations, any archaeological or historical sites, or any objects of antiquity (subject to the antiquities act of June 8, 1906) are discovered, all operations which would effect such sites will be suspended and the discovery reported promptly to the surface management agency.

D) Water:

The nearest water is the White River located 4 miles to the north.

E) Chemicals:

No pesticides, herbicides or other possible hazardous chemicals will be used without prior application.

F) Notification:

a) Location construction

At least forty eight (48) hours prior to construction of location and access roads

b) Location completion

Prior to moving on location of the drilling rig.

c) Spud notice

At least twenty-four (24) hours prior to spudding the well.

d) Casing string and cementing

At least twenty-four (24) hours prior to running casing and cementing all casing strings.

e) BOP and related equipment tests

At least twenty-four (24) hours prior to initial pressure tests.

f) First production notice

Within five (5) business days after the new well begins, or production resumes after well has been off production for more than ninety 90 days.

H) Flare pit:

The flare pit will be located in corner B of the reserve pit out side the pit fence and 100 feet from the bore hole on the **east side of the location**. All fluids will be removed from the pit within 48 hours of occurrence.

13. Lessees or Operator's representative and certification

A) Representative

William A. Ryan

Rocky Mountain Consulting
350 South 800 East
Vernal, Utah 84078

Office 435-789-0968
Fax 435-789-0970
Cellular 435-828-0968

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 applicable laws, regulations, and any applicable

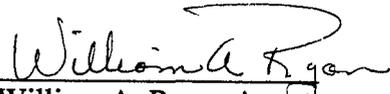
notices to lessees. The operator is fully responsible for the actions of his subcontractors. A copy of these conditions will be furnished to the field representative to ensure compliance.

This drilling permit will be valid for a period of one year from the date of approval. After permit termination, a new application will be filed for approval for any future operations.

B) Certification

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drill-site and access route, that I am familiar with the conditions which presently exist, that the statements made in this plan are, to the best of my knowledge and belief, true and correct, and that the work associated with the operation proposed herein will be performed by **Lone Mountain Production Company** and its contractors and subcontractors in conformity with this plan and terms and conditions with this plan and the terms and conditions under which it is approved.

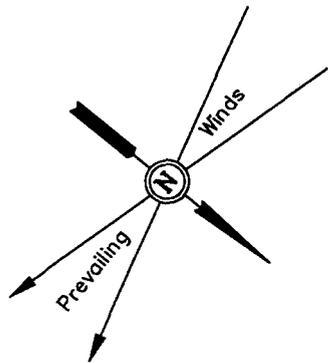
Date Oct. 13, 1998


William A. Ryan, Agent
Rocky Mountain Consulting

LONE MOUNTAIN PRODUCTION

LOCATION LAYOUT FOR

FEDERAL N #24-17
SECTION 17, T11S, R24E, S.L.B.&M.
780' FSL 1726' FWL



SCALE: 1" = 50'
DATE: 7-6-98
Drawn By: C.B.T.

C-0.6'
El. 14.0'

C-0.1'
El. 13.5

Proposed Access Road

F-2.5'
El. 10.9'

Sta. 3+25

FLARE PIT



6

7 Subsoil Stockpile

8

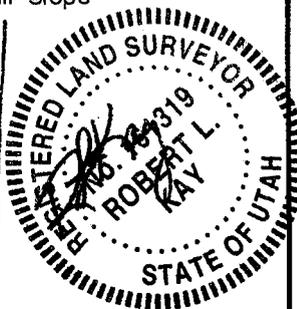
El. 15.0'
C-11.6'
(btm. pit)

Res. Pit Stockpile
El. 15.9'
C-2.5'

C-2.7'
El. 16.1'

C-2.7'
El. 16.1'

Approx. Toe of Fill Slope



Sta. 1+50

F-2.6'
El. 10.8'

Approx. Top of Cut Slope

Reserve Pit Backfill & Spoils Stockpile

10' WIDE BENCH

RESERVE PITS (10' Deep)
Pit Capacity With 2' of Freeboard is 9,710 Bbls. ±
Slope = 1:1

C-2.7'
El. 16.1'

C-2.7'
El. 16.1'

RIG DOG HOUSE

MUD TANKS

WATER

PUMP

MUD SHED

HOPPER

POWER

TOOLS

FUEL

TRASH

TRAILER

TOILET

FUEL

STORAGE TANK

Sta. 0+10

Sta. 0+00

El. 14.0'
C-10.6'
(btm. pit)

Res. Pit Stockpile
El. 14.5'
C-1.1'

Subsoil Stockpile

C-0.5'
El. 13.9'

F-4.1'
El. 09.3'

Elev. Ungraded Ground at Location Stake = 5816.1'

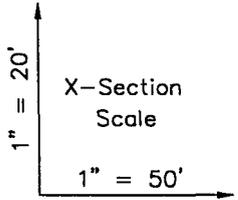
Elev. Graded Ground at Location Stake = 5813.4'

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

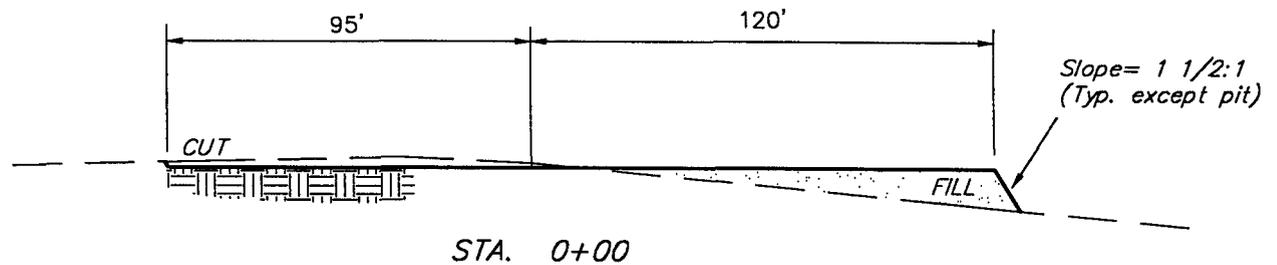
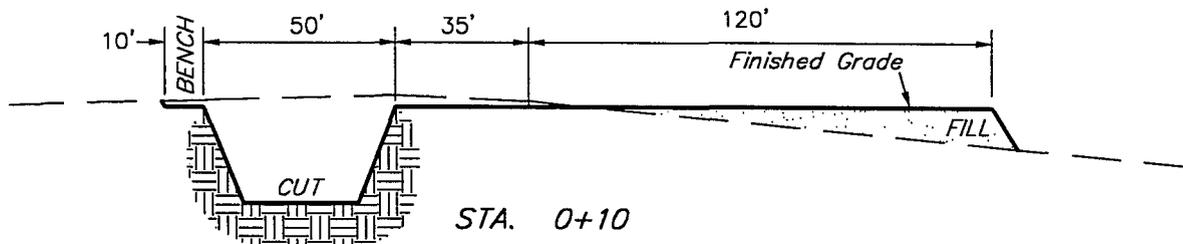
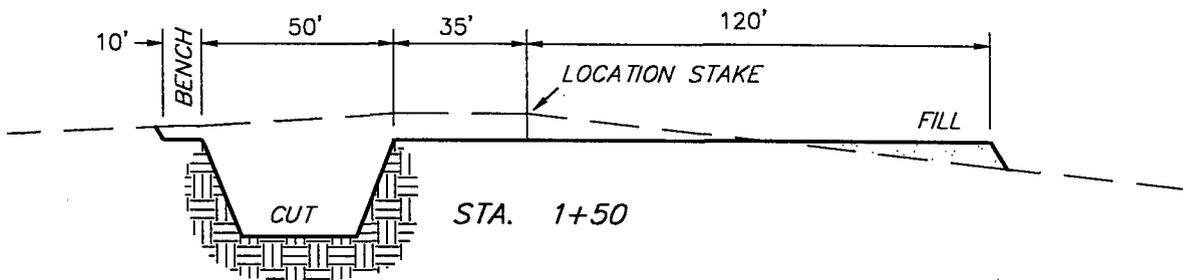
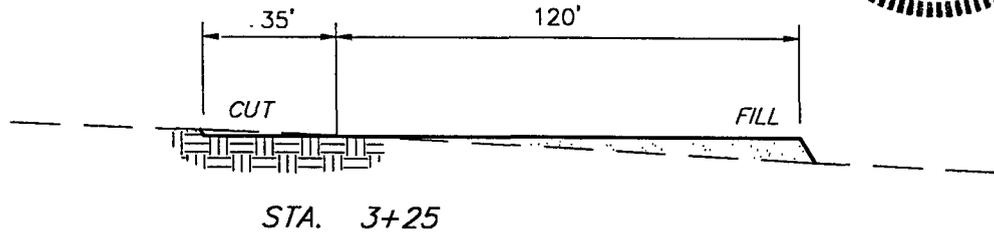
LONE MOUNTAIN PRODUCTION

TYPICAL CROSS SECTIONS FOR

FEDERAL N #24-17
SECTION 17, T11S, R24E, S.L.B.&M.
780' FSL 1726' FWL



DATE: 7-6-98
Drawn By: C.B.T.



APPROXIMATE YARDAGES

(6") Topsoil Stripping	= 1,100 Cu. Yds.
Remaining Location	= 3,680 Cu. Yds.
TOTAL CUT	= 4,780 CU.YDS.
FILL	= 2,290 CU.YDS.

EXCESS MATERIAL AFTER 5% COMPACTION	= 2,370 Cu. Yds.
Topsoil & Pit Backfill (1/2 Pit Vol.)	= 2,360 Cu. Yds.
EXCESS UNBALANCE (After Rehabilitation)	= 10 Cu. Yds.

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

R
23
E

R
24
E

**PROPOSED LOCATION:
FEDERAL N #24-17**

PROPOSED ACCESS 50' +/-

**BONANZA 27.2 MI. +/-
RAINBOW 10.3 MI. +/-**

**EXISTING TRAIL NEEDS
UPGRADED 3.5 MI. +/-**

T11S

LEGEND:

--- PROPOSED ACCESS ROAD
— EXISTING ROAD

LONE MOUNTAIN PRODUCTION

**FEDERAL N #24-17
SECTION 17, T11S, R24E, S.L.B.&M.
780' FSL 1726' FWL**



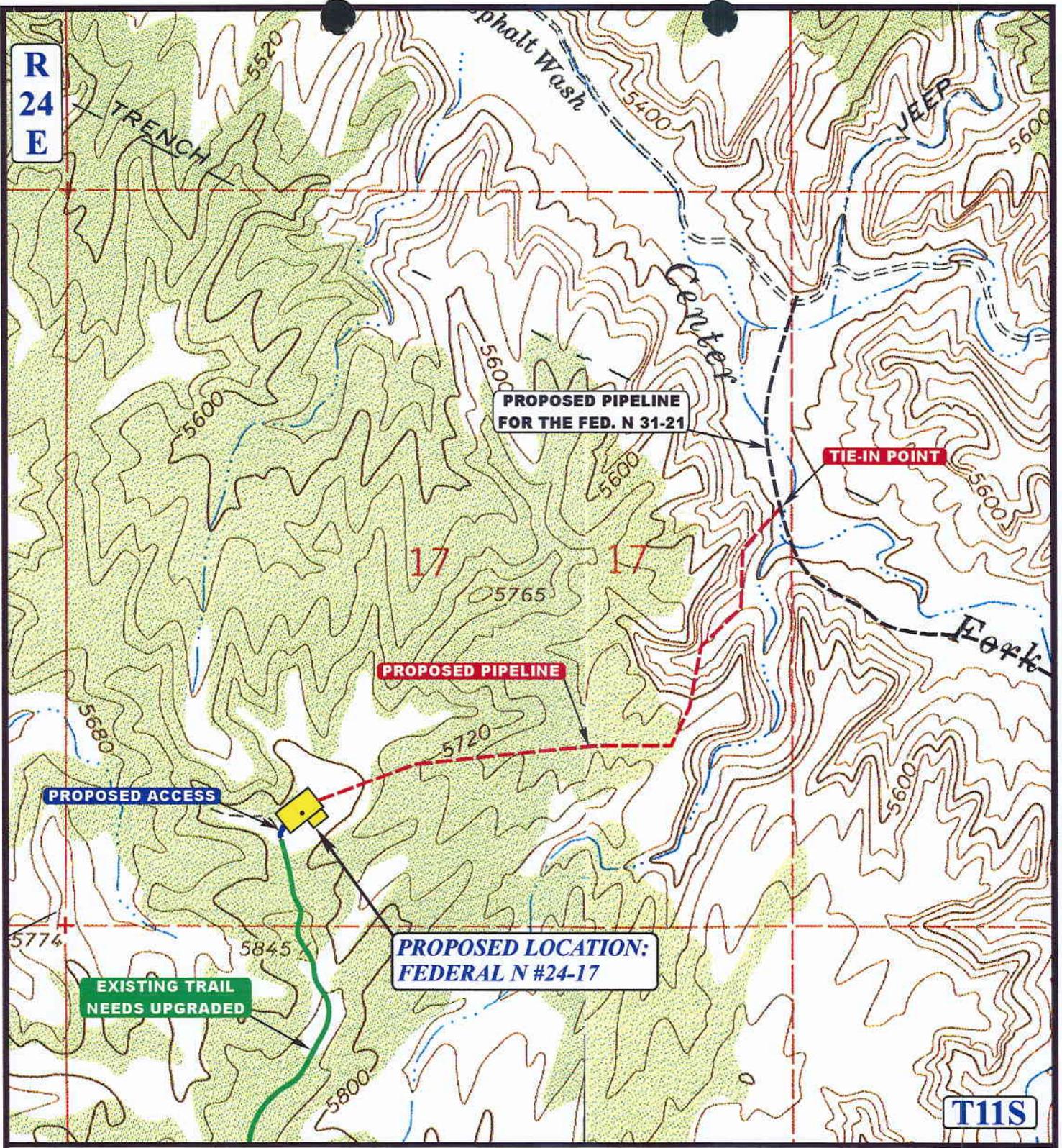
Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
(435) 789-1017 * FAX (435) 789-1813

**TOPOGRAPHIC
MAP**

7 7 98
MONTH DAY YEAR

SCALE: 1" = 2000' DRAWN BY: D.COX REVISED: 00-00-00





APPROXIMATE TOTAL PIPELINE DISTANCE = 4500' +/-

LEGEND:

- EXISTING PIPELINE
- PROPOSED PIPELINE
- PROPOSED ACCESS

LONE MOUNTAIN PRODUCTION

FEDERAL N #24-17
SECTION 17, T11S, R24E, S.L.B.&M.
780' FSL 1726' FWL



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



TOPOGRAPHIC MAP **7 7 98**
 MONTH DAY YEAR
 SCALE: 1" = 1000' DRAWN BY: D.COX REVISED: 00-00-00



WORKSHEET
APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 11/19/98

API NO. ASSIGNED: 43-047-33254

WELL NAME: FED N 24-17
 OPERATOR: LONE MOUNTAIN PROD CO (N7210)
 CONTACT: Bill Ryan (435)789-0968

PROPOSED LOCATION:
 SESW 17 - T11S - R24E
 SURFACE: 0780-FSL-1726-FWL
 BOTTOM: 0780-FSL-1726-FWL
 UINTAH COUNTY
 UNDESIGNATED FIELD (002)

INSPECT LOCATION BY: / /		
TECH REVIEW	Initials	Date
Engineering		
Geology		
Surface		

LEASE TYPE: FED
 LEASE NUMBER: UTU-73920
 SURFACE OWNER: Federal

PROPOSED FORMATION: WSTC

RECEIVED AND/OR REVIEWED:

Plat
 Bond: Federal State Fee
 (No. KT-0719)

Potash (Y/N)
 Oil Shale (Y/N) *190-5(B)
 Water Permit
 (No. Rosewoods Wtr. Station & 49-1595)

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

N/A Fee Surf Agreement (Y/N)

LOCATION AND SITING:

___ R649-2-3. Unit _____

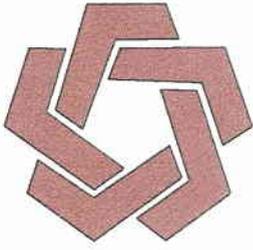
___ R649-3-2. General

R649-3-3. Exception

___ Drilling Unit
 Board Cause No: _____
 Date: _____

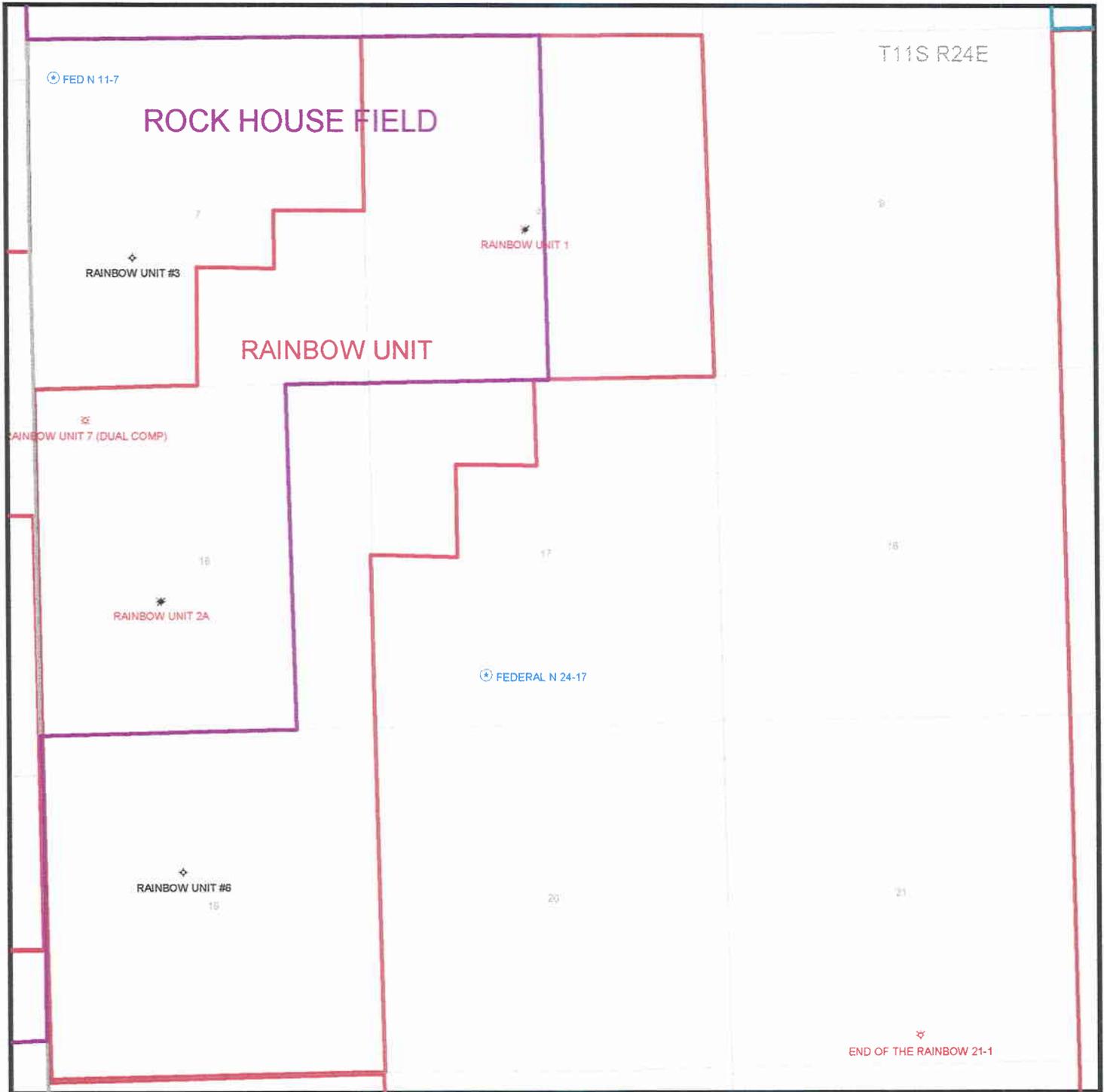
COMMENTS: *Need add'l info. "Except. Loc." (Rec'd 11-19-98)

STIPULATIONS: ① FEDERAL APPROVAL



DIVISION OF OIL, GAS & MINING

OPERATOR: LONE MOUNTAIN (N7210)
FIELD: UNDESIGNATED (002)
SEC. 17 TWP 11S, RNG 24E
COUNTY: UINTAH UNIT: NONE



DATE PREPARED:
20-NOV-1998



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

Michael O. Leavitt
Governor
Ted Stewart
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)

December 16, 1998

Lone Mountain Production Company
P.O. Box 3394
Billings, Montana 59103

Re: Fed. N 24-17 Well, 780' FSL, 1726' FWL, SE SW, Sec. 17, T. 11 S., R. 24 E.,
Uintah County, Utah

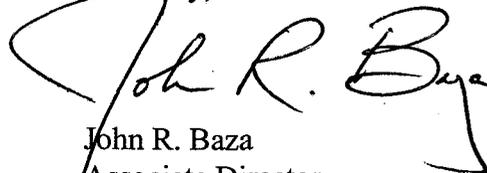
Gentlemen:

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

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

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-047-33254.

Sincerely,



John R. Baza
Associate Director

lwp

Enclosures

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

Operator: Lone Mountain Production Company

Well Name & Number: Fed. N 24-17

API Number: 43-047-33254

Lease: Federal **Surface Owner:** Federal

Location: SE SW **Sec.** 17 **T.** 11 S. **R.** 24 E.

Conditions of Approval

1. General

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

2. Notification Requirements

Notify the Division within 24 hours of spudding the well. Contact Carol Daniels at (801)538-5284.

Notify the Division prior to commencing operations to plug and abandon the well. Contact Dan Jarvis at (801) 538-5338 or Robert Krueger at (801) 538-5274.

3. Reporting Requirements

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

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN
TRIPLICATE*
(Other Instructions on
reverse side)

Form Approved.
Budget Bureau No. 1004-0135
Expires : March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill or to deepen or reentry to a different reservoir. Use "APPLICATION FOR PERMIT--" for such proposals <p style="text-align: center;">SUBMIT IN TRIPLICATE</p>		5. LEASE DESIGNATION AND SERIAL NO. UTU-73920
b. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>		6. IF INDIAN, ALLOTEE OR TRIBE NAME
2. NAME OF OPERATOR Lone Mountain Production Company		7. IF UNIT OR CA, AGREEMENT DESIGNATION
3. ADDRESS OF OPERATOR P. O. Box 3394, Billings, Montana 59103 (406) 245-5077		8. WELL NAME and No. Federal No. N 24-17
4. LOCATION OF WELL (Footage, Sec. T., R., M., or Survey Description) 780' FSL, 1726' FWL Section 17-T11S-R24E (SESW)		9. API WELL NO. 43-047-33254
		10. Field and Pool, or Exploratory Area
		11. County or Parish, State Uintah County, Utah

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
TYPE OF SUBMISSION	TYPE OF ACTION	
<input type="checkbox"/> Notice of Intent <input type="checkbox"/> Subsequent Report <input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Abandonment <input type="checkbox"/> Recompletion <input type="checkbox"/> Plugging Back <input type="checkbox"/> Casing Repair <input type="checkbox"/> Altering Casing <input type="checkbox"/> Other <u>APD Extension</u>	<input type="checkbox"/> Change of Plans <input type="checkbox"/> New Construction <input type="checkbox"/> Non-Routine Fracturing <input type="checkbox"/> Water Shut-Off <input type="checkbox"/> Conversion to Injection <input type="checkbox"/> Dispose of Water <small>(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log Form)</small>

13. Describe the Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If a well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Lone Mountain Production Company, as operator for White River Resource Management Inc., requests the extension of one year on the approved APD for the subject well.

If additional information is needed please contact the following agent:

William Ryan
Rocky Mountain Consulting

Phone: (435) 789-0968

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

Date: 12/9/99
By: [Signature]

COPY SENT TO OPERATOR
 Date: 12-10-99
 Initials: CHD

RECEIVED

DEC - 6 1999

DIVISION OF OIL, GAS & MINING

14. I hereby certify that the foregoing is true and correct.

Signed: [Signature]

Title: President

Date: December 3, 1999

(This space for Federal or State office use)

APPROVED BY: _____ TITLE: _____ DATE: _____
CONDITIONS OF APPROVAL IF ANY

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



January 18, 2001

Mr. Ed Forsman
Dept. of the Interior
Bureau of Land Management
Vernal District Office
170 South 500 East
Vernal, UT 84078

RE: Extension for Drilling Permits

Dear Ed:

Dominion Expl. & Prod., Inc. recently acquired the wells listed below. The records supplied to us indicate a number of active permits are due to expire soon. Therefore, we respectfully request a one year extension for the following permits:

<u>Permit No.</u>	<u>Well Name</u>	<u>Location</u>	<u>Lease No.</u>
43-047-33170	A. Fed. H 42-20	Sec. 20-10S-24E	UTU-74480
43-047-33184	A. Fed. H 41-28	Sec. 28-10S-24E	UTU-66421
43-047-33299	Fed. K 12-22	Sec. 22-11S-21E	UTU-75098
43-047-33255	Fed. M 24-22	Sec. 22-11S-23E	UTU-66409
43-047-33258	Fed. M 42-22	Sec. 22-11S-23E	UTU-66409
43-047-33253	Fed. M 22-27	Sec. 27-11S-23E	UTU-66409
43-047-33260	Fed. M 44-29	Sec. 29-11S-23E	UTU-66409
43-047-33254	Fed. N 24-17	Sec. 17-11S-24E	UTU-73920
43-047-33168	Fed. N 41-17	Sec. 17-11S-24E	UTU-73920
43-047-33188	Fed. R 13-30	Sec. 30-12S-22E	UTU-65359
43-047-33263	Fed. H 34-30	Sec. 30-10S-24E	UTU-66421
43-047-33242	Fed. K 23-22	Sec. 22-11S-24E	UTU-75098
43-047-33257	Fed. T 42-21	Sec. 21-12S-24E	UTU-66425
43-047-33192	Fed. R 44-9	Sec. 9-12S-22E	UTU-73908

If you have any questions or require additional information, please contact me at (281) 873-3692.

Sincerely,

DOMINION EXPL. & PROD., INC.

Diann Flowers
E&P Regulatory Specialist

Cc: David Linger, Mitch Hall,
Dick Easterwood, Well Files



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 6, 2001

Diann Flowers
Dominion Exploration & Production, Inc.
Four Greenspoint Plaza
16945 Northchase Drive, Suite 1750
Houston, Texas 77060-2133

Re: Extension for Drilling Permits

In response to your letter dated January 18, 2001 (copy enclosed), whereby Dominion E&P Inc. (Dominion) requests a one-year extension for the Application's for Permit to Drill (APD's) listed below, please be advised of the following:

<u>API No.</u>	<u>Well Name</u>	<u>Location</u>	<u>Lease No.</u>
43-047-33184	A Fed H 41-28	Sec. 28-10S-24E	UTU-66421
APD rescinded by the Division December 3, 2000.			
43-047-33168	Fed N 41-17	Sec. 17-11S-24E	UTU-73920
APD rescinded by the Division December 7, 2000.			
✓43-047-33254	Fed N 24-17	Sec. 17-11S-24E	UTU-73920
BLM never approved APD;the Division rescinded APD December, 9, 2000.			
43-047-33257	Fed T 42-21	Sec. 21-12S-24E	UTU-66425
BLM never approved APD;the Division rescinded APD December 9, 2000.			
43-047-33192	Fed R 44-9	Sec. 9-T12S-22E	UTU-73908
Well was spud on April 22, 1999;not necessary to request an APD extension.			
43-047-33170	A Fed H 42-20	Sec. 20-10S-24E	UTU-74480
BLM denied APD extension January 19, 2001;permit expires March 8, 2001;the Division will rescind APD upon expiration date unless drilling commences.			

<u>API No.</u>	<u>Well Name</u>	<u>Location</u>	<u>Lease No.</u>
43-047-33299	Fed K 12-22	Sec. 22-11S-21E	UTU-75098
BLM denied APD extension January 19, 2001; permit expires April 21, 2001; the Division will rescind APD upon expiration date unless drilling commences.			

43-047-33255	Fed M 24-22	Sec. 22-11S-23E	UTU-66409
BLM denied APD extension January 19, 2001; permit expired December 28, 2000; the Division rescinded the APD on February 2, 2001, effective December 28, 2000.			

43-047-33258	Fed M 42-22	Sec. 22-11S-23E	UTU-66409
BLM denied APD extension January 19, 2001; permit expired December 28, 2000; the Division rescinded the APD on February 2, 2001, effective December 28, 2000.			

43-047-33253	Fed M 22-27	Sec. 27-11S-23E	UTU-66409
BLM denied APD extension January 19, 2001; permit expired December 28, 2000; the Division rescinded the APD on February 2, 2001, effective December 28, 2000.			

43-047-33260	Fed M 44-29	Sec. 29-11S-23E	UTU-66409
BLM denied APD extension January 19, 2001; permit expired December 28, 2000; the Division rescinded the APD on February 2, 2001, effective December 28, 2000.			

43-047-33188	Fed R 13-30	Sec. 30-12S-22E	UTU-65359
BLM denied APD extension January 19, 2001; permit expires February 10, 2001; the Division will rescind APD upon expiration date unless drilling commences.			

43-047-33263	Fed H 34-30	Sec. 30-10S-24E	UTU-66421
BLM extended APD to April 22, 2001; the Division will rescind APD upon expiration date unless drilling commences.			

43-047-33242	Fed K 23-22	Sec. 22-11S-24E	UTU-75098
BLM extended APD to April 22, 2001; the Division will rescind APD upon expiration date unless drilling commences.			

Page 3
Dominion E&P Inc.
February 6, 2001

A new Application for Permit to Drill (APD) must be filed with this office for approval prior to the commencement of any future work on the rescinded locations stated above.

In addition, if any previously unreported operations have been performed on any of the rescinded locations, it is imperative that you notify the Division immediately.

Should you have any questions regarding this matter please call me at the number listed above.

Sincerely,



Lisha Cordova
Eng. Technician

Enclosure(s)

cc: Well File(s)
Petroleum Information