

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

5. LEASE DESIGNATION AND SERIAL NO.
UTU-0779

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
N/A

7. UNIT AGREEMENT NAME
Rockhouse Unit

8. FARM OR LEASE NAME
Rockhouse Unit

9. WELL NO.
13-A

10. FIELD AND POOL, OR WILDCAT
Rockhouse Gas Field

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Section 10, T11S, R23E

12. COUNTY OR PARISH
Utah

13. STATE
Utah

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

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
United Utilities Corporation

3. ADDRESS OF OPERATOR
625 North 100 West Vernal, UT 84078

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*)
At surface 570 366
1,870 FNL & 1,200 FWL, SW 1/4 NW 1/4 Sec. 10. T11S, R23E
At proposed prod. zone
Same

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
+/- 34 miles from Bonaza Utah

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any)
1,200'

16. NO. OF ACRES IN LEASE
2,442

17. NO. OF ACRES ASSIGNED TO THIS WELL
160

18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.
2,500'

19. PROPOSED DEPTH
3,785

20. ROTARY OR CABLE TOOLS
Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
6,118' CR

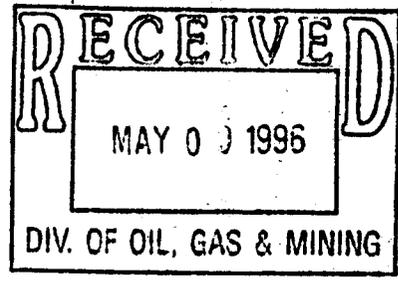
22. APPROX. DATE WORK WILL START*
May 11, 1996

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/4	9 5/8	36	250	70 sx to surface
8 3/4	7	23	3,785	485 sx to surface

Attachment to this APD:

1. Surveyors location plat
2. Well control plan
3. Surface use and operating plan
4. Maps & diagrams
5. Self certification statement
6. Hazardous materials declaration



The Rockhouse Unit #13-A will be drilled on the same drill pad as the existing Rockhouse Unit #13. No additional surface disturbance will be required. The well location will be moved approximately 30' north of the well bore of the #13 well.

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

24. SIGNED [Signature] TITLE Agent-Consulting Engineer DATE May 7, 1996

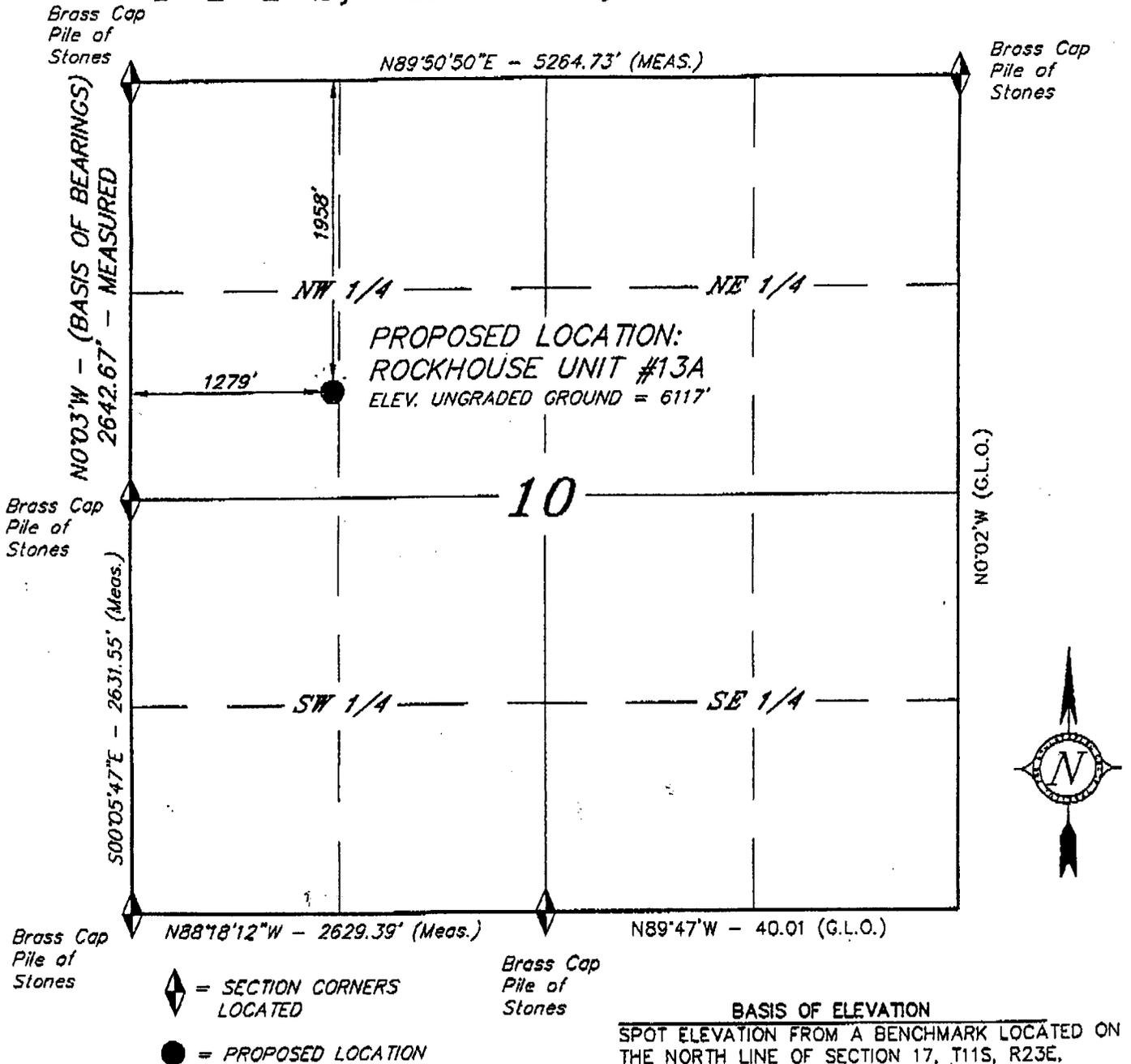
(This space for Federal or State office use)

PERMIT NO. 43-047-32763 APPROVAL DATE _____
APPROVED BY [Signature] TITLE [Signature] DATE 6/25/96
CONDITIONS OF APPROVAL, IF ANY: _____

UNITED UTILITIES INC.

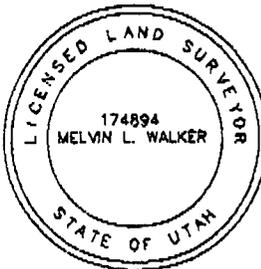
WELL LOCATION, ROCKHOUSE UNIT #13A, LOCATED
AS SHOWN IN THE SW 1/4 NW 1/4 OF SECTION 10,
T11S, R23E, S.L.B.&M., UINTAH
COUNTY, UTAH.

T 1 1 S, R 2 3 E, S. L. B. & M.



THIS IS TO CERTIFY THAT THE PLAT HEREON WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY DIRECT SUPERVISION. THAT THE SAME HAS BEEN CORRECTLY SURVEYED AND STAKED ON THE GROUND AS SHOWN ON THIS PLAT AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

Melvin L. Walker
MELVIN L. WALKER
REGISTERED LAND SURVEYOR
REGISTRATION NO. 174894
STATE OF UTAH



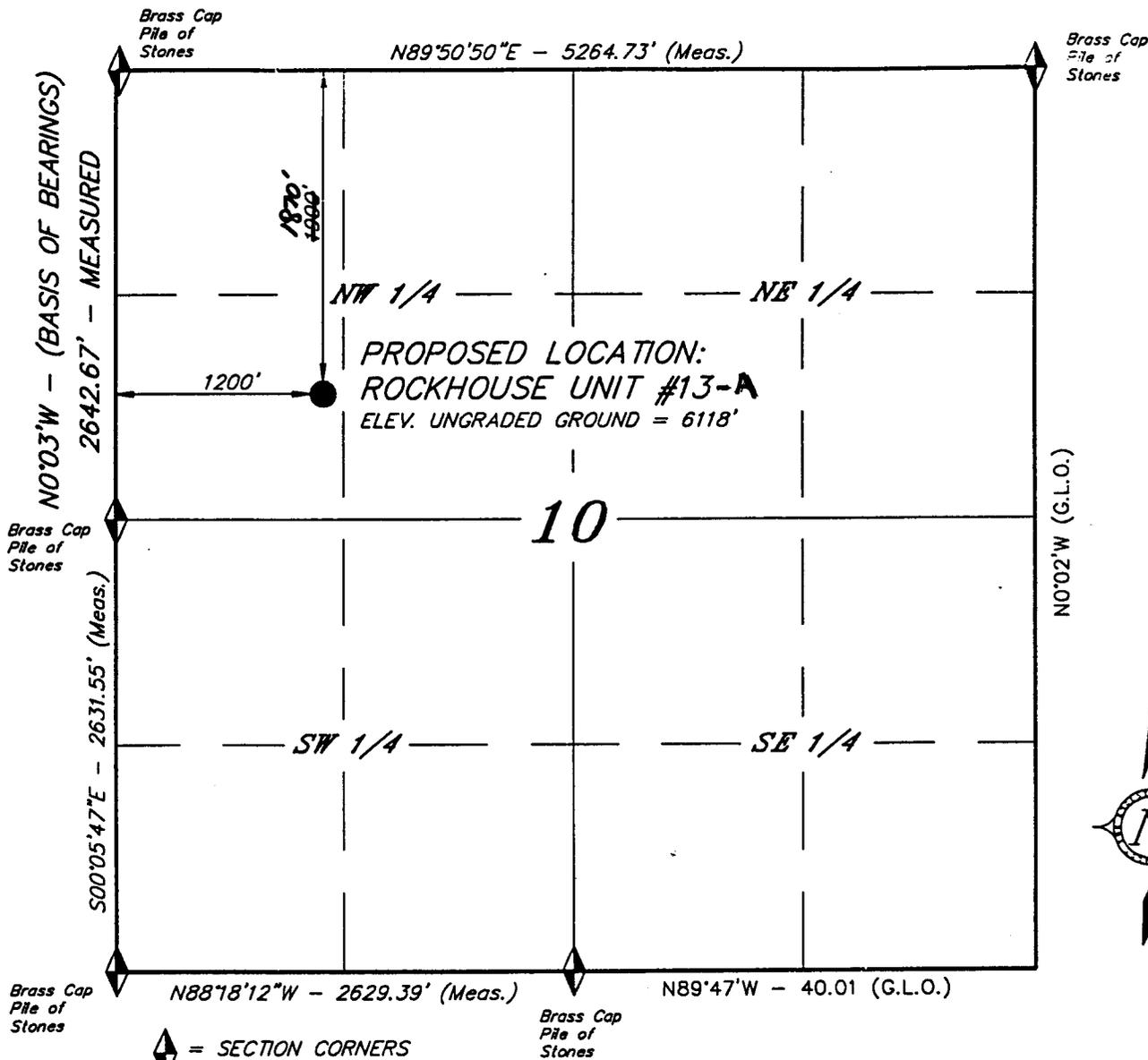
BASIS OF ELEVATION
SPOT ELEVATION FROM A BENCHMARK LOCATED ON THE NORTH LINE OF SECTION 17, T11S, R23E, S.L.B.&M. TAKEN FROM THE ARCHY BENCH SE QUADRANGLE PUBLISHED BY THE U.S.G.S SAID ELEVATION IS MARKED AS BEING 6054 FEET.

FOA <small>Freston Ostler Vernon & Associates, Inc.</small> <small>The Engineering Group</small>	
DATE SURVEYED: 5-21-96	DRAWN BY: B.R.W.
SURVEYED BY: R.H. G.B.	DATE DRAWN: 5-27-96
WEATHER: COOL	NOTES:
SCALE: 1" = 1000'	FILE: ROCKHOUSE 13A

UNITED UTILITIES INC.

WELL LOCATION, ROCKHOUSE UNIT #13-A LOCATED
AS SHOWN IN THE SW 1/4 NW 1/4 OF SECTION 10,
T11S, R23E, S.L.B.&M., UINTAH COUNTY, UTAH.

T 1 1 S, R 2 3 E, S. L. B. & M.



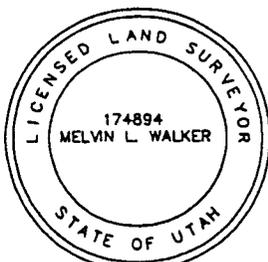
- = SECTION CORNERS LOCATED
- = PROPOSED LOCATION

BASIS OF ELEVATION

SPOT ELEVATION FROM A BENCHMARK LOCATED ON THE NORTH LINE OF SECTION 17, T11S, R23E, S.L.B.&M. TAKEN FROM THE ARCHY BENCH SE QUADRANGLE PUBLISHED BY THE U.S.G.S. SAID ELEVATION IS MARKED AS BEING 6054 FEET.

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Melvin L. Walker
MELVIN L. WALKER
 REGISTERED LAND SURVEYOR
 REGISTRATION NO. 174894
 STATE OF UTAH



Freston Ostler Vernon & Associates, Inc. The Engineering Group	
DATE SURVEYED: 11-16-95	DRAWN BY: R.E.H.
SURVEYED BY: M.W. R.H.	DATE DRAWN: 11-20-95
WEATHER: COOL	NOTES:
SCALE: 1" = 1000'	FILE: ROCKHOUSE 13

**SURFACE USE PROGRAM OF THE
APPLICATION FOR PERMIT TO DRILL**

Company/Operator: United Utilities Corporation
Well Name & Number: Rockhouse Unit #13-A
Lease Number: UTU-0779
Location: 1,870 FNL & 1,200 FWL, Section 10, T11S, R23E
Uintah County, Utah
Surface Ownership: United States of America

NOTIFICATION REQUIREMENTS

Location Construction: Forty-eight (48) hours prior to construction of access and roads and location.

Location Completion: Prior to moving in the drilling rig

Spud Notice: At least twenty-four (24) hours prior to spudding the well

Casing String & Cementing: Twenty-four (24) hours prior to running casing and cementing all strings.

BOP & Related Tests: Twenty-four (24) hours prior to initiating pressure tests.

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

APPLICATION FOR PERMIT TO DRILL

UNITED UTILITIES CORPORATION
Lease UTU-0779, Rockhouse Unit #13
1870' FNL & 1200' FWL Section 10, T11S, R23E
Uintah County, Utah

Drilling Prognosis

1. Estimated Tops of Important Geologic Markers

Uintah	Surface
Lower Black Shale	3,413'
Wasatch	3,781'
Total Depth	3,785'

2. Estimated Depths of Anticipated Water, Oil, Gas, or Mineral Formations

Water:	Surface to T.D.
Oil & Gas:	Green River

If any shallow water zones are encountered, they will be adequately protected and reported. All potentially productive hydrocarbon zones will be cemented off.

3. Pressure Control Equipment - Schematic Attached

A. Type: Double Gate Hydraulic with Annular Preventer (Hydril).

The Blow-Out Preventer will be equipped as follows:

1. One (1) blind ram (above).
2. One (1) pipe ram (below).
3. Drilling spool with two (2) side outlets (choke side 3-inch minimum, killside 2-inch minimum).
4. Kill line (2-inch minimum).
5. Two (2) kill line valves, one of which will be a check valve (2-inch minimum).
6. 3-inch (minimum) choke line.
7. Two (2) choke line valves (minimum).
8. Two (2) adjustable chokes.
9. Pressure gauge on choke manifold.
10. Upper kelly cock valve with handle available.

11. Safety valve and subs to fit all drill strings in use.
12. Fill up line above the uppermost preventer.

B. Pressure Rating: 3,000 psi

C. Testing Procedure:

Annular Preventer (Hydril)

At a minimum, the Annular Preventer will be pressure tested to 50% of the rated working pressure for a period of ten (10) minutes or until provisions of the test are met, whichever is longer.

At a minimum, the above pressure test will be performed:

1. When the annular preventer is initially installed;
2. Whenever any seal subject to test pressure is broken;
3. Following related repair; and
4. At thirty (30) day intervals.

In addition to the above, the annular preventer will be functionally operated at least weekly.

Blow-Out Preventer

At a minimum, the BOP, choke manifold, and related equipment will be pressure tested to the approved working pressure of the BOP stack (if isolated from the surface casing by test plug) or to 70% of the internal yield strength of the surface casing (if the BOP is not isolated from the casing by a test plug). Pressure will be maintained for a period of at least ten (10) minutes or until the requirements of the test are met, whichever is longer.

At a minimum, the above pressure test will be performed:

1. When the BOP is initially installed;
2. Whenever any seal subject to test pressure is broken;
3. Following related repairs; and
4. At thirty (30) day intervals.

Chart recorders will be used for all pressure tests. Test charts, with individual test results identified, will be maintained on location while drilling and available for inspection. In addition to the above, the pipe and blind rams will be activated each trip, but not more than once each day.

All BOP drills and tests will be recorded in the LADC driller's log.

D. Choke Manifold Equipment:

All choke lines will be straight lines unless turns use tee blocks or are targeted with running tees, and will be anchored to prevent whip and vibration.

E. Accumulator:

The accumulator will have sufficient capacity to close all BOP's and retain 200 psi above precharge. Nitrogen bottles which meet the manufacturer's specifications will be used as the backup to the required independent power source. The accumulator precharge pressure test will be conducted prior to connecting the closing unit to the BOP stack and at least once every six (6) months thereafter. The accumulator pressure will be corrected if the measured precharge pressure is found to be above or below the maximum or minimum limits specified in Onshore Operating Order #2.

F. Miscellaneous Information:

The Blow out preventer and related pressure control equipment will be installed, tested, and maintained in compliance with the specifications in and requirements of Onshore Operating Order #2.

The choke manifold and BOP extension rods with hand wheels will be located outside the rig substructure. The hydraulic BOP closing unit will be located at least twenty-five (25) feet from the well head but readily accessible to the driller. Exact locations and configurations of the hydraulic BOP closing unit will depend upon the particular rig contracted to drill the hole.

A flare line will be installed after the choke manifold, extending 100 feet (minimum) from the center of the drill hole to a separate flare pit.

4. The Proposed Casing and Cementing Program - All New

A. Casing Program

<u>Hole Size</u>	<u>Casing Size</u>	<u>Wt./Ft.</u>	<u>Grade Joint</u>	<u>Depth Set</u>
12 1/4"	9 5/8"	36.0#	K-55 ST&C	0 - 250'
8 3/4"	7"	23.0#	J-55 ST&C	0- 3,785'

All casing strings below the conductor will be pressure tested to 0.22 psi/foot, or 1,500 psi (not to exceed 70%) of the internal yield strength of the casing, whichever is greater, after cementing and prior to drilling out from under the casing shoe.

On all exploratory wells, and on that portion of any well approved for a 5M BOPE system or greater, a pressure integrity test of each casing shoe will be performed, if required by the Authorized Officer, Bureau of Land Management. The formation at the shoe will be tested to a minimum of the mud weight equivalent anticipated to control the formation pressure to the next casing depth or at a total depth of the well. This test will be performed before drilling more than twenty (20) feet of new hole.

B. Cementing Program

Surface Casing: 70 sx Class "G" + 0.25#/sk Cello-Seal + 2.0% CaCl₂, circulated to surface.

Production Casing: Lead with 260 sx Class "G" + 16% gel (bentonite) + 3% salt + 10#/sk Gilsonite, followed by 225 sx Class "G". Actual cement volumes will be determined from caliper log adding 10% excess to assure a cement top of at least 200 feet above the top of the Mahogany oil shale zone.

5. Mud Program - Visual Monitoring

<u>Interval</u>	<u>Type</u>	<u>Weight</u>	<u>Viscosity</u>	<u>Fluid Loss</u>
0' - 2,500'	Fresh Water	8.4-9.0	27-30	No Control
2,500' - T.D.'	LSND	8.5-9.5	35- 45	8-10 cc's

Sufficient mud material(s) to maintain mud properties, control lost circulation and contain a blowout will be available at the well site during drilling operations.

6. Evaluation Program

Logs: High Resolution Resistivity - GR -3,785' - 250'
Cal-SP -3,785' - 250'

DST's: None anticipated.

Cores: None anticipated

Evaluation program may change at the discretion of the wellsite geologist, with approval of the Authorized Officer, Vernal District Office, Bureau of Land Management.

Stimulation: No stimulation or frac treatment has been formulated for this test at this time. The drill site, as approved, will be of sufficient size to accommodate all completion activities.

Whether the well is completed as a dry hole or as a producer, Well Completion and Recompletion report and Log (Form 3160-4) will be submitted to the Resource Area Officer no later than thirty (30) days after the completion of the well or after completion of operations being performed, in accordance with 43 CFR 3164. Two (2) copies of all logs, core descriptions, core analyses, well test data, geologic summaries, sample descriptions, and all other surveys or data obtained and compiled during the drilling, work over, and/or completion operations, will be filed with Form 3160-4. Samples (cuttings, fluids, and/or gases) will be submitted when requested by the Area Manager, Vernal District Office, Bureau of Land Management.

7. Abnormal conditions

No abnormal temperatures or pressures are anticipated. No H₂S has been reported or is known to exist from previous drilling in this area at this depth.

Maximum anticipated bottom hole pressure equals approximately 1,595 psi (calculated at 0.434 psi/foot) and maximum anticipated surface pressure equals approximately 832 psi (anticipated bottom hole pressure minus partially evacuated hole pressure calculated at 0.22 psi/foot).

8. Anticipated Starting Dates and Notification of Operations

A. Anticipated Starting Dates:

Anticipated Commencement Date	:	May 11, 1996
Drilling Days	:	Approximately 5 days
Completion Days	:	Approximately 7 days

B. Notification of Operations:

The spud date will be reported orally to the Branch of Inspection/Enforcement at least 24 hours prior to spudding, unless otherwise required in the site specific conditions of approval, and will be followed up with a report on Form 3160-5 confirming the date of spud.

All wells, whether drilling, producing, or abandoned will be identified in accordance with 43 CFR 3162.6. This requires the name of the operator, the lease number, the well number, and the location of the well.

A progress report will be filed a minimum of once a month starting with the month in which the well was spudded and continuing until the well is completed. The report will be filed by the 25th day of each month on form 3160-5. The report will include the spud date, casing information such as size, grade, weight, hole size, and setting depth, amount and type of cement used, top of cement, depth of cementing tools, casing test method(s), intervals tested, perforated, acidized, fractured, and results obtained and the dates of all work done.

Spills, blowouts, fires, leaks, accidents, theft, or any other unusual occurrences will be promptly reported to the Resource Area Office in accordance with NTL-3A.

Any venting or flaring of gas during initial well evaluation will be subject to the provisions of NTL-4A.

In the event abandonment of the hole is desired, an oral request may be granted by the Resources Area Office but must be followed with a "notice of Intention to Abandon" (Form 3160-5) within fifteen (15) days of receiving oral permission to plug and abandon.

A "Subsequent Report of Abandonment" (Form 3160-5) will be submitted within thirty (30) days following the actual plugging of the well bore. This report will indicate where plugs were placed and the current status of surface restoration operations. If surface restoration has not been completed at that time, a follow up report on Form 3160-5 will be filed when all surface restoration work has been completed and the location is considered ready for final inspection. If the location is on private surface, a "Landowner Acceptance of Reclamation" letter will be attached to this "Sundry Notice."

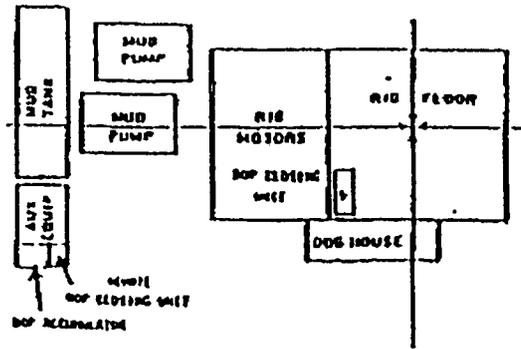
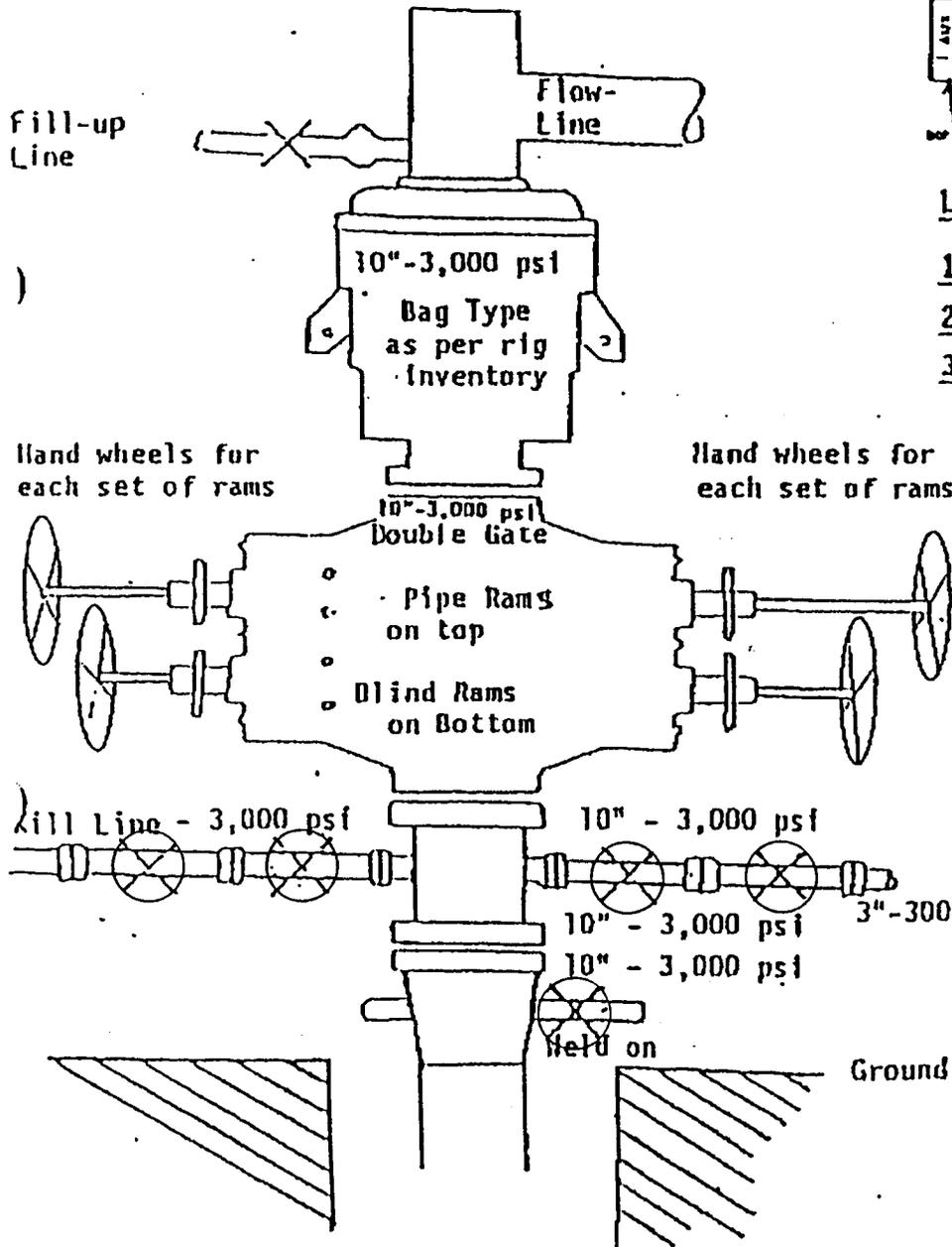
Upon completion of approved plugging, a regulation marker will be erected in accordance with 43 CFR 3162.6.

The following information will be permanently placed on the marker with a plate, cap, or beaded on with a welding torch: Company Name, Well Name and Number, Location by Quarter/Quarter, Section, Township, Range, and the Federal Lease Number.

Not later than the 5th business day after any well begins production on which royalty is due anywhere on a lease site or allocated to a lease site, or resumes production in the case of a well which has been off production for more than ninety (90) days, the operator will notify the Authorized Officer by letter or "Sundry Notice", of the date on which such production has begun or resumed. The notification will provide as a minimum, the following information items;

- a. Operator name, address, and telephone number

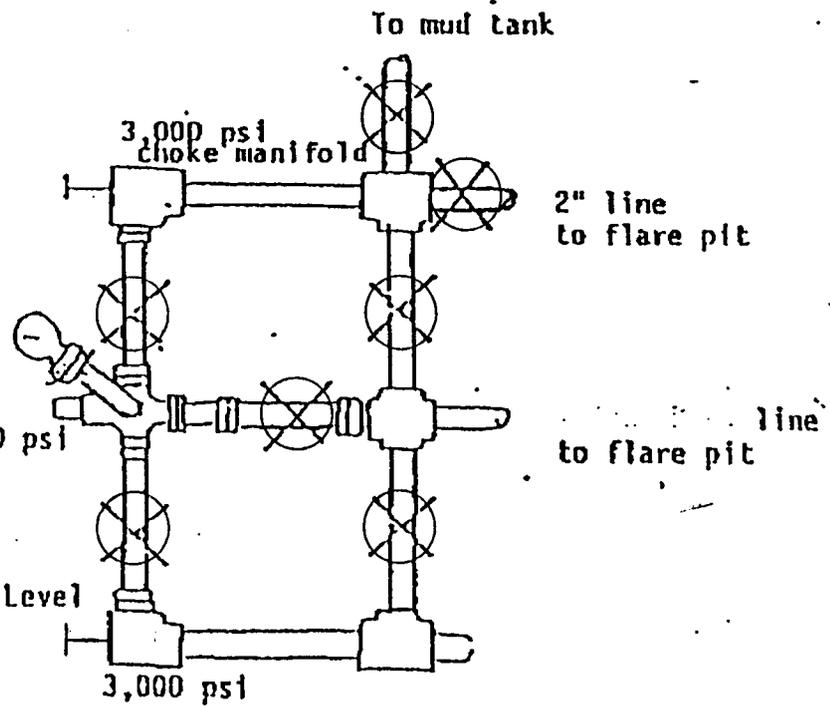
- b. Well name and number
- c. Well location: 1/4, 1/4, Section, Township, Range, P.M.
- d. Date well was placed in a producing status
- e. The nature of the wells production, i.e.: crude oil casing gas, or natural gas and entrained liquid hydrocarbons
- f. The OCS, Federal or Indian lease prefix and number on which the well is located. Otherwise, the non-Federal or non-Indian land category, i.e.: state or private.
- g. As appropriate, the Communitization agreement number, the unit agreement name, number, and participating area name.



LOCATION OF:

1. BOP controls on rig floor.
2. BOP remote controls.
3. BOP accumulator.

FIGURE No. 1
3000 psi
DOUBLE GATE BAG TYPE BOP STACK
W/HYDRAULIC CONTROLS AND CHOKE
MANIFOLD FOR:



⊗ - VALVE

**SURFACE USE PROGRAM OF THE
APPLICATION FOR PERMIT TO DRILL**

Company/Operator: United Utilities Corporation
Well Name & Number: Rockhouse Unit #13-A
Lease Number: UTU-0779
Location: 1,870 FNL & 1,200 FWL, Section 10, T11S, R23E
Uintah County, Utah
Surface Ownership: United States of America

NOTIFICATION REQUIREMENTS

Location Construction: Forty-eight (48) hours prior to construction of access and roads and location.

Location Completion: Prior to moving in the drilling rig

Spud Notice: At least twenty-four (24) hours prior to spudding the well

Casing String & Cementing: Twenty-four (24) hours prior to running casing and cementing all strings.

BOP & Related Tests: Twenty-four (24) hours prior to initiating pressure tests.

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

1. Existing Roads: Refer to Map "A" (shown in YELLOW)
 - A. The proposed well site is staked.
 - B. To reach the location continue south on HWY. 45 to MILE marker "O". Turn left (Baxter Pass & other signs) onto the secondary road. Continue on the main road past the corrals at Hell's Canyon "Y" and turn right. Stay on the main road through Watson taking the left-hand turn at Asphalt Wash and the right fork at the "Y" to Rainbow. Continue on the main road by Kings well and then the corral on the right-hand side to a "Y". Continue on the right-hand fork for +/- 0.3 mi. Take the left-hand turn and proceed 5.9 mi. Staying to the right continue northward on the main road.

After +/-5.9 mi. take the left fork and travel +/- 1.4 mi. Take the right turn and travel +/- 0.8 mi., turn right and proceed approximately 1.6 miles on a new road to the well site.

- C. Access roads - refer to Map "A".
- D. Access roads within a one mile radius - refer to Map "A".
- E. The existing roads will be maintained in the same or better condition as existed prior to the commencement of operations and said maintenance will continue until final abandonment and reclamation of the well location.

2. Planned Access Roads:

- A. No new road will be required for the Rockhouse Unit #13-A

3. Location of Existing Wells Within a Two-Mile Radius:

- A. Water wells - None.
- B. Abandoned wells - SE SE Section 15, T11S, R23E
SW NE Section 16, T11S, R23E
SE NE Section 22, T11S, R23E
- C. Temporarily abandoned wells - None
- D. Disposal wells - None.
- E. Drilling wells - None.
- F. Producing wells - NE SE Section 3, T11S, R23E
SW NE Section 9, T11S, R23E
SW SW Section 10, T11S, R23E
SE SE Section 9, T11S, R23E
NW NW Section 9, T11S, R23E
SW SE Section 5, T11S, R23E
SE NE Section 8, T11S, R23E
SE SE Section 8, T11S, R23E
NE SE Section 11, T11S, R23E
- G. Shut-in wells - NW NW Section 4, T11S, R23E
NW SW Section 5, T11S, R23E
NE SW Section 8, T11S, R23E
SE SE Section 8, T11S, R23E

SE	SE	Section 10, T11S, R23E
SE	NW	Section 14, T11S, R23E
SW	NE	Section 16, T11S, R23E
SW	NE	Section 21, T11S, R23E

H. Injection wells - None.

I. Monitoring wells - None.

4. Location of Existing and/or Proposed Facilities Owned by United Utilities Corporation Within a One Mile Radius:

A. Existing

1. Tank batteries - Rockhouse Unit #4 SE NW Section 9, T11S, R23E
2. Production facilities -
 - Rockhouse Unit #4 SW NW Section 9, T11S, R23E
 - Rockhouse Unit #14 SE SW Section 10, T11S, R23E
 - Rockhouse Unit #12 SE SE Section 9, T11S, R23E
 - Rockhouse Unit #15 NW NW Section 9, T11S, R23E
3. Oil gathering lines - None.
4. Gas gathering lines -
 - 4" gas gathering lines in Sections 9 & 10

B. New Facilities Contemplated

1. All production facilities will be located on the disturbed (cut) portion of the well pad and at a minimum of fifteen (15) feet from the toe of the back out.
2. Production facilities will require an area approximately 300' X 150'. A diagram showing the proposed production facility layout will be submitted to the Authorized Officer via Sundry Notice (Form 3160-5) for approval prior to commencement of installation operations. All loading lines will be placed inside the berm surrounding the tank battery. All off lease storage, off lease measurement, or commingling on lease or off lease will have prior written approval from the AO. Gas meter runs for each well will be located within 500 feet of the wellhead. The gas flowline will be buried or anchored down from the wellhead to the meter and within 500 feet downstream of the meter run or any production facilities. Meter runs will be housed. And/or fenced. The oil and gas measurement facilities will be installed on the well location. The oil and gas meters will be calibrated 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 AO will be provided with a date and time for the initial meter calibration and all future meter proving schedules. A

copy of the meter calibration reports will be submitted to the Vernal District Office. All meter measurement facilities will conform with Onshore Oil & Gas Order No. 4 for liquid hydrocarbons and Onshore Oil & Gas Order No. 5 for natural gas measurement. The use of materials under BLM jurisdiction will conform to 43 CFR 3610.2-3.

3. Production facilities will be accommodated on the well pad. Construction materials needed for installation of the production facilities will be obtained from the site; any additional materials needed will be purchased from a local supplier as required. A dike will be constructed completely around the production tanks. The dikes will be constructed of compacted subsoil, be impervious, hold the capacity of the largest tank plus one foot of free board, and be independent of the back cut.
 4. All permanent above the ground structures, tank batteries, etc., that will remain longer than six months will be painted Desert Brown (10 YR 6/3). The exception being that safety rules and regulations will be complied with where special safety colors are required.
 5. The pipeline for Rockhouse Unit #13-A will be laid to the southeast to tie into the gathering system in approximately the SE SE Section 10, T11S, R23E at the Rockhouse Unit #1. Refer to Map "B".
- C. The production pit will be fenced "Sheep-Tight" with woven wire and two (2) top stands of barbed wire held in place by side posts and wooden corner "H" braces in order to protect livestock and wildlife.
- D. During drilling and subsequent operations, all equipment and vehicles will be confined to the access road and any additional areas which may be specified in the approved Application for Permit to Drill.
- E. Reclamation of disturbed areas no longer needed for operations will be accomplished by grading, leveling, and seeding with: Fourwing Saltbrush (6 lbs/acre); Beardless Bluebunch Wheatgrass (5 lbs/acre); Yellow Sweetclover (1 lbs/acre) Total of 12 lbs/acre.
5. Location and Type of Water Supply:

Water to be used for drilling this well will be hauled by truck over road marked in green on Map "A".

- A. The primary water source will be:

From Three (3) area wells:

Rainbow Unit #2-A
NESW, S 18, T11S,R24E

Rainbow Unit #5

S/2, S 6, T11S,R24E

Rockhouse Unit #5-A
SWSE, S 13, T11S,R23E

- B. The secondary water source will be:

Bitter Creek

- C. The tertiary water source will be:

Purchased from Vernal City water system and hauled to well site on the roads shown on Maps "A" from Bonanza, Utah.

6. Source of Construction Materials:

- A. No construction materials will be needed for well pad construction; surface and subsurface soils will be sufficient. Refer to Item #2F regarding construction materials which may be required on the access road.
- B. No construction materials will be taken from Federal and/or Indian lands without prior approval from the appropriate Surface Management Agency.
- C. If production is established, any construction materials required for surfacing of the access road and installation of production facilities will be purchased from a local supplier having an approved (permitted) source of materials in the area.
- D. No new access roads for construction materials will be required.

7. Methods of Handling Waste Materials:

- A. Cuttings - the cuttings will be deposited in the reserve pit.
- B. Drilling fluids - including salts and chemicals will be contained in the reserve pit and allowed to evaporate. The reserve pit will be designed to prevent the collection of surface runoff and will be constructed with a minimum of one half (1/2) the total depth below the original ground level at the lowest point in the pit.
- C. Produced fluids - hydrocarbons produced during completion operations will be placed in test tanks on the location. Water produced during completion operations will be put into the reserve pit according to Onshore Operating Order #7 (formerly NTL-2B). At first production, produced water will be confined to the reserve pit or storage tanks for a period not to exceed ninety

(90) days. During that 90-day period, in accordance with Onshore Order No. 7, an application for approval of a permanent disposal method and location, along with required water analysis, will be submitted to the AO for approval. Any spills of oil, gas, salt water, or other potentially hazardous materials will be cleaned up and immediately removed to an approved disposal site.

- D. Sewage - portable, self-contained chemical toilets will be provided for human waste disposal. The toilet holding tanks will be pumped as necessary, and the contents thereof disposed of at an approved sewage disposal facility under permit #91-0120 from Uintah District Health Department.
- E. Garbage and other waste material - garbage, trash, and other waste material will be collected in a portable, self contained and fully enclosed trash cage during drilling and completion operations. Upon completion of operations (or as needed) the accumulated trash will be disposed of at an authorized sanitary landfill. No trash will be placed in the reserve pit. No burning will be allowed.
- F. Immediately after removal of the drilling rig, all debris and waste materials not contained in the trash cage will be cleaned up and removed from the well location. No adverse materials will be left on the location. Any open pits will be fenced during drilling operations and the fencing maintained until such time as the pits are backfilled.

8. Ancillary Facilities:

None anticipated.

9. Wellsite Layout:

- A. Figure #1 shows the drill site layout as staked. Cross sections have been drafted to visualize the planned cuts and fills across the location (refer to Figure #2). A minimum of six (6) inches of topsoil will be stripped from the location (including areas of cut, fill, and/or subsoil storage) and stockpiled for future reclamation of the well site. Refer to Figure #1 for the location of the topsoil stockpiles.
- B. Figure #1 is a diagram showing the rig layout. No permanent living facilities are planned. There will be approximately four (4) trailers on location: one each for the drilling engineer, geologist, mud logger, and toolpusher.
- C. A diagram showing the proposed production facility layout will be submitted to the Authorized officer via Sundry Notice (Form 3160-5) for approval prior to the commencement of installation operations (Refer to Item #4B for additional information in this regard).

- D. If porous soil or fractured rock is encountered during the excavation of the reserve pit, an inspection will be requested in order to ascertain the necessity of the installation of a pit liner. In the event of competent soils, a pit liner will not be installed.

10. Plans for Reclamation of the Surface:

- A. Backfilling, leveling, and recontouring are planned as soon as the reserve pit has dried. All waste materials will be disposed of immediately upon termination of drilling and completion activities. If production is established, the unneeded areas of the location will be reclaimed as soon as the reserve pit has dried. For production, the fill slopes will be reduced from a 1.5:1 slope to a 4:1 slope and the cut slopes will be reduced from a 2:1 slope to a 4:1 slope top by pushing the fill material back into the cut.
- B. Upon completion of backfilling, leveling and recontouring all disturbed surfaces (including the access road and well pad areas) will be scarified (ripped) and the stockpiled topsoil will be evenly spread over the reclaimed area(s). The seed bed will be prepared by disking on the contour to an approximate depth of four (4) to six (6) inches, leaving no depressions that would trap water or form ponds.
- C. All disturbed surfaces (including the well pad and access road) will be reseeded using a seed mixture recommended by the Authorized Officer, Bureau of Land Management.

Seed will be drilled on the contour with the seed drill set at a depth of one half (1/2) inch. Fall seeding will be completed after September 1 and prior to ground frost. Spring seeding, to be effective, will be completed after the frost has left the ground and prior to May 15.

- D. Three sides of the reserve pit will be fenced "sheep tight" prior to commencement of drilling operations and the fourth side will be fenced immediately upon removal of the drilling rig. Said fencing will consist of woven wire with two (2) top strands of barbed wire held in place with side posts and wooden corner "H" braces in order to protect livestock and wildlife. Please refer to item #4C (Page #2) for additional information regarding the actual fencing specifications.
- E. If any oil is on the pits and is not immediately removed after operations cease, the pit containing the oil or other adverse substance(s) will be flagged overhead or covered with mesh.
- F. Reclamation operations will begin after the drilling rig has been removed. Removal of oil or other adverse substances will begin immediately or the

affected area(s) will be flagged and/or fenced. Other clean up will be done as needed. Reseeding activities are considered best in the Fall, 1996, unless requested otherwise.

11. Surface Ownership:

The well site and proposed access road route are situated on surface estate owned by the United States of America and administered by:

Area Manager
Vernal District Office
Bureau of Land Management
170 South 500 East
Vernal, Utah 84078

12. Other Information:

- A. Topography: Rolling hills and shallow valleys.
- B. Soil characteristics: Rocky and sandy shale.
- C. Flora: +/- 30% coverage of land with sage brush, bunch grass, prickly pear cactus, etc.
- D. Fauna: Domestic sheep. Mule deer, elk, rabbits, coyotes and rodents.
- E. Surface use: Wildlife management and livestock grazing.
- F. Surface ownership: Location and roads Federal.
- G. Proximity of Water, Occupied Dwellings, Archaeological, Historical, or Cultural Sites:
 - 1. The closest source of permanent water is the White River, located approximately 4 miles to the north.
 - 2. Occupied dwellings: None.
 - 3. There are no known archaeological, historical, or cultural sites, which are potentially eligible for inclusion in the National Register of Historical Places, that will be disturbed by this proposed drilling operation.

United Utilities Corporation will be responsible for informing all persons associated with this project that they shall be subject to prosecution for damaging, altering, excavating or removing any archaeological, historical, or vertebrate fossil objects or site(s).

If archaeological, historical, or vertebrate fossil materials are discovered, United Utilities Corporation will suspend all operations

that further disturb such materials and immediately contact the Authorized Officer, Bureau of Land Management. Operations will not resume until written authorization to proceed is issued by the Area Manager, Vernal Resource Area Office, Bureau of Land Management.

Within five (5) working days, the Authorized Officer will evaluate the discovery and inform United Utilities Corporation of actions that will be necessary to prevent loss of significant cultural or scientific values. United Utilities Corporation will be responsible for the cost of any mitigation required by the Authorized Officer. The Authorized Officer will provide technical and procedural guidelines for the conduct of mitigation. Upon verification from the Authorized Officer that the required mitigation has been completed, United Utilities Corporation will be allowed to resume operations.

13. Lessee's or Operator's Representative and Certification:

Representative

Terry J. Cox, Consulting Engineer
Suite 1120
1050 17th Street
Denver, Colorado 80265
Phone (303) 892-9120 (801) 828-8771

Durrell Karren, Field Superintendent
625 North 100 West
Vernal, Utah 84078
Phone (808) 789-2772 (801) 828-8516

Contact the above for any additional information which may be required for approval of this Application for Permit to Drill.

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.

United Utilities Corporation will be fully responsible for the actions of their subcontractors. A copy of these conditions will be furnished to the field representative(s) to ensure compliance.

The dirt contractor will be provided with a copy of the Surface Use and Operations Plan from the approved Application for Permit to Drill.

SELF CERTIFICATION FOR APPLICATION FOR PERMIT TO DRILL

I hereby certify that United Utilities Corporation is authorized by the proper Lease Interest Owners to conduct lease operations associated with the Application for Permit to Drill the Rockhouse Unit #13-A SW 1/4 SW 1/4 Section 10, T11S, R23E, lease UTU-0779. Bond coverage pursuant to 43 CFR 3104 for lease activities is being provided by United Utilities Corporation under Statewide Bond #UT-1028 and United Utilities Corporation will be responsible for compliance with all terms and conditions of that portion of the lease associated with this Application for Permit to Drill.

HAZARDOUS MATERIAL DECLARATION FOR APPLICATION FOR PERMIT

No chemical subject to reporting under SARA Title III in an amount equal to or greater than 10,000 pounds will be used, stored, transported, or disposed of annually in association with the drilling of the Rockhouse Unit #13-A. Furthermore, no extremely hazardous substances, as defined in 40 CFR 355, in threshold planning quantities will be used, produced, stored, or disposed of in association with the drilling of this well.

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drill site and access route; I am familiar with the conditions which currently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and that the work associated with the operations proposed herein will be performed by United Utilities Corporation, their 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.

5/7/96

Date

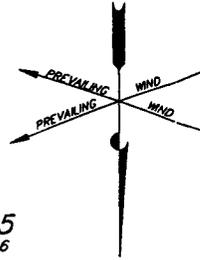


Terry J. Cox

Agent for United Utilities Corporation

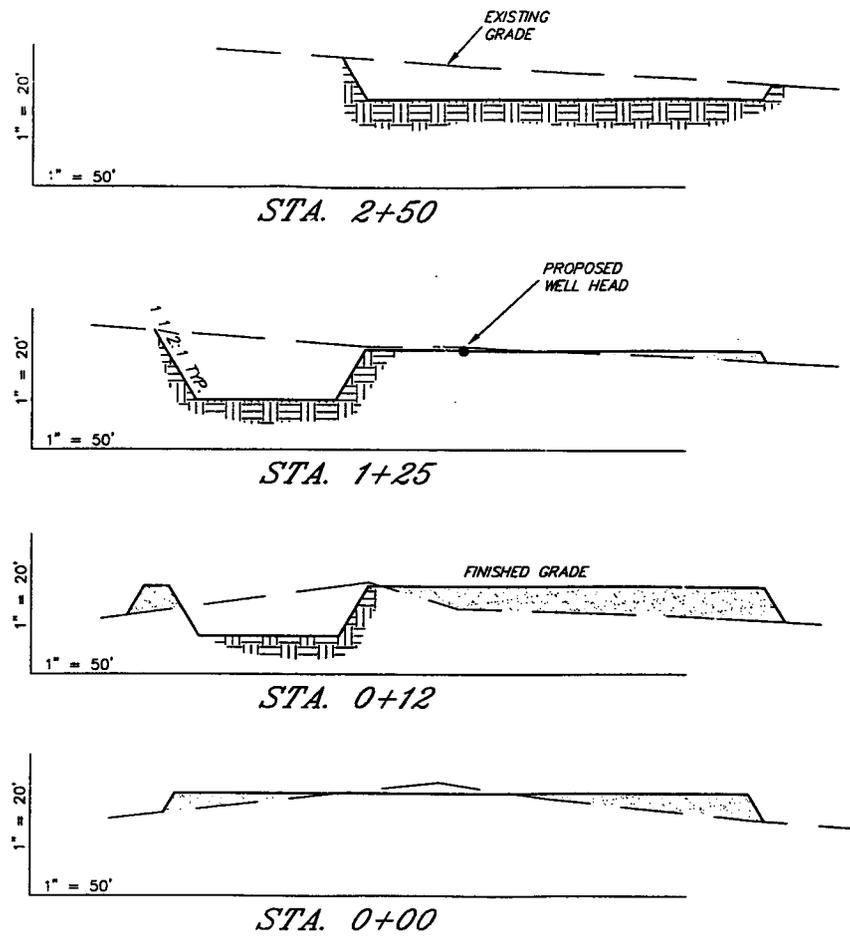
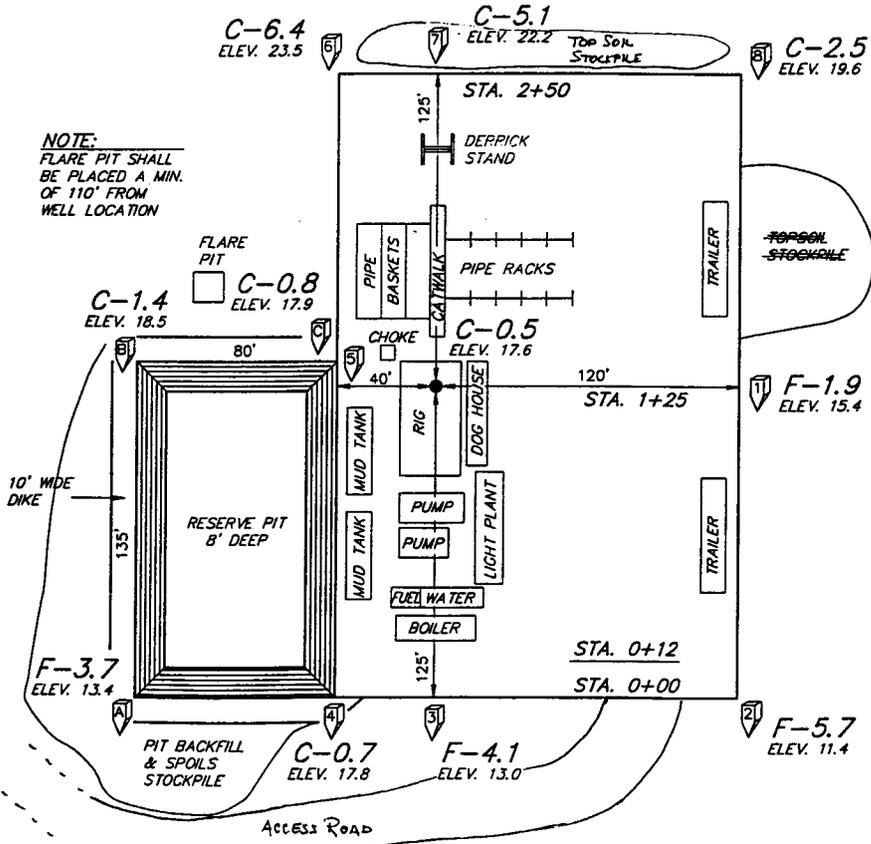
UNITED UTILITIES INC.

ROCKHOUSE UNIT #13-A
SECTION 10, T11S, R23E, S.L.B.&M.
1900' FNL 1200' FWL



SCALE: 1" = 50'
DRAWN BY: R.E.H.
DATE: 11-21-95

NOTE:
FLARE PIT SHALL
BE PLACED A MIN.
OF 110' FROM
WELL LOCATION



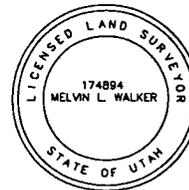
APPROXIMATE YARDAGES

REFERENCE POINTS

RP 175' SOUTH 6125.43'
RP 225' SOUTH 6128.80'
RP 170' WEST 6114.75'
RP 220' WEST 6113.96'

6" TOPSOIL = 940 CU. YDS.
RESERVE PIT YARDAGE = 2480 CU. YDS.
TOTAL CUT = 4120 CU. YDS.
TOTAL FILL = 1730 CU. YDS.
EXCESS MATERIAL = 2390 CU. YDS.

ELEV. UNGRADED GROUND = 6117.6'
ELEV. FINISHED GRADE = 6117.1'

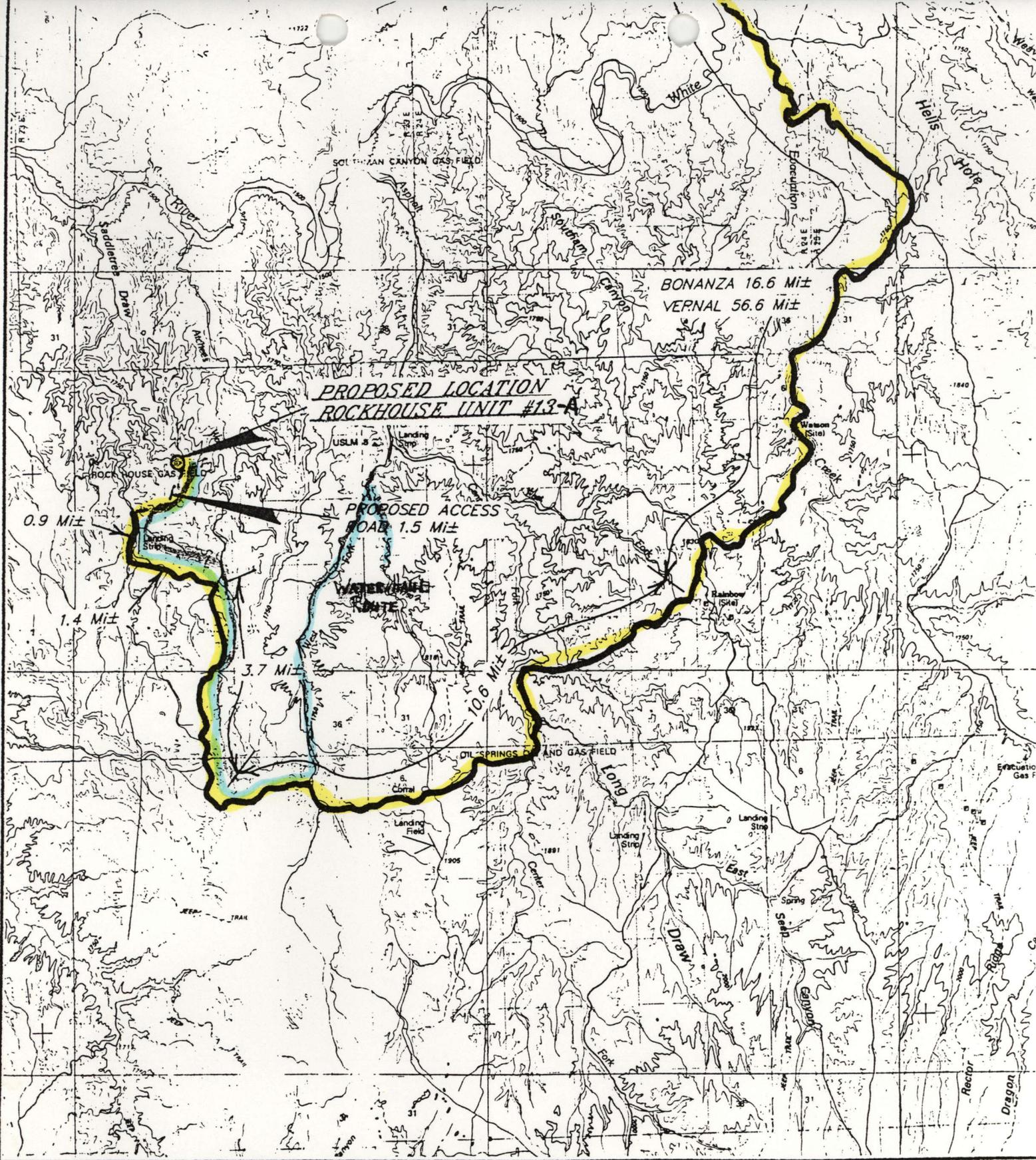


PREPARED BY:

FOA Freston Ostler Vernon & Associates, Inc.
The Engineering Group



P.O. Box 1750, 100 North Federal Avenue, Suite 2, Farmington, Utah 84201
Telephone: (801) 700-0641 Fax: (801) 700-4485 Job: (801) 701-2113
(Formerly Metab Engineering, Inc.)



UNITED UTILITIES INC.

FOA *Freeman Outer Vernon & Associates, Inc.*
 The Engineering Group

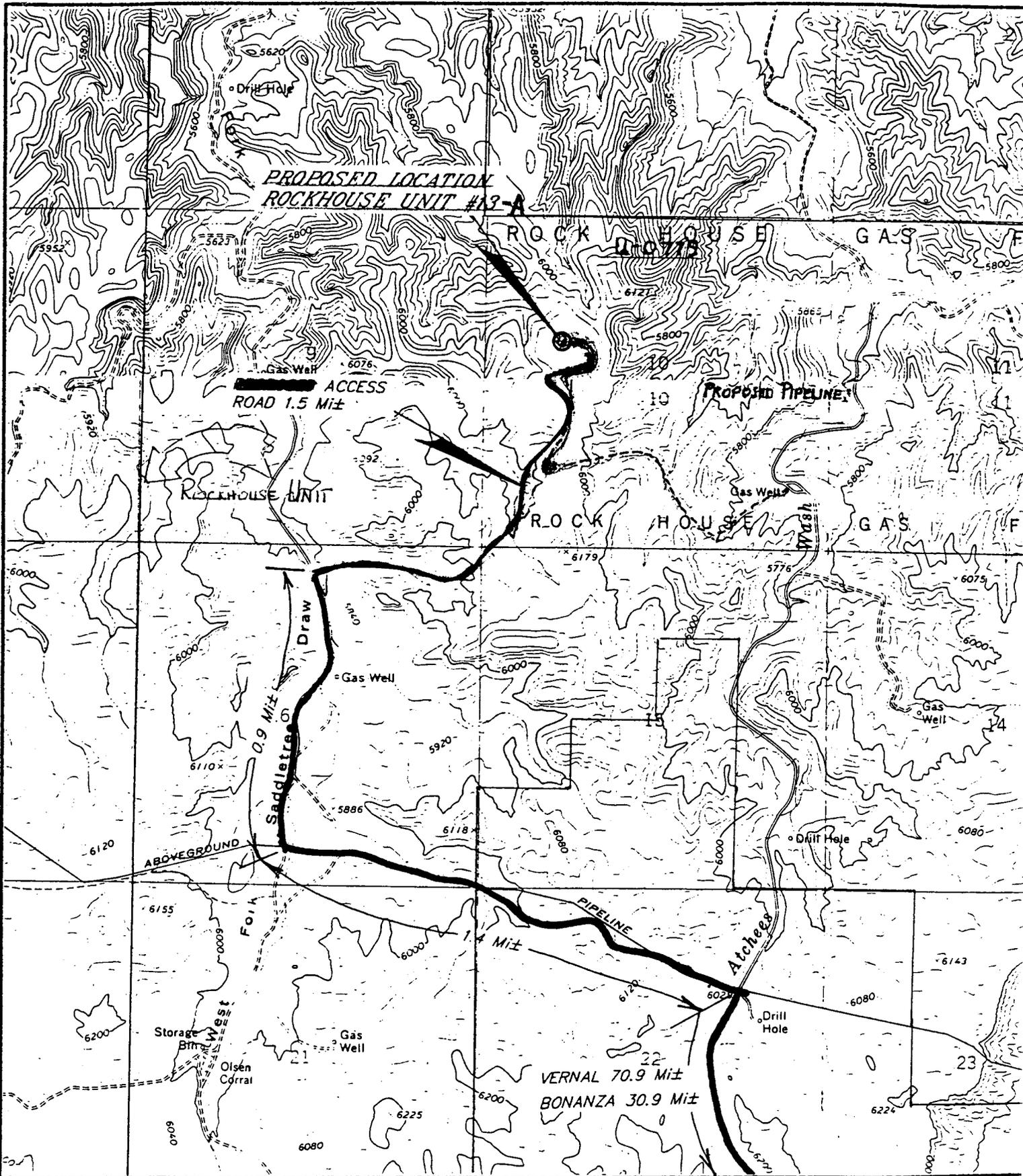


All Data From: 1950 South Mountain Section, Sheet 7; Topog. 1950 2420; Subsequent (194) 250-260; (194) 250-260; (194) 250-260

ROCKHOUSE UNIT #13-A
 SECTION 10, T11S, R23E, S.L.B.&M.
 1900' FNL 1200' FWL
 1870'



TOPO MAP "A"



UNITED UTILITIES INC.

FOA Preston O'Leary Verban & Associates, Inc.
The Engineering Group

FOA, Inc. 1980, 148 South Front Street, Suite 1, Denver, CO 80202
Telephone (303) 733-0441 Fax (303) 733-0440 Telex (303) 733-0115



ROCKHOUSE UNIT #13-A
SECTION 10, T11S, R23E, S.L.B.&M.
1000' FNL 1200' FWL
1870'



TOPO MAP "B"
SCALE: 1" = 2000'



EXISTING WELLS
2 MILES RADIUS.

WORKSHEET
APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 05/09/96

API NO. ASSIGNED: 43-047-32753

WELL NAME: ROCKHOUSE UNIT 13-A
 OPERATOR: UNITED UTILITIES CORP (N6360)

PROPOSED LOCATION:
 SWNW 10 - T11S - R23E
 SURFACE: 1958-FNL-1279-FWL
 BOTTOM: 1958-FNL-1279-FWL
 UINTAH COUNTY
 ROCK HOUSE FIELD (670)

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

LEASE TYPE: FED
 LEASE NUMBER: UTU - 0779

PROPOSED PRODUCING FORMATION: GRRV

RECEIVED AND/OR REVIEWED:

Plat
 Bond: Federal State Fee
 (Number UT - 1028)

Potash (Y/N)
 Oil shale (Y/N)
 Water permit
 (Number 49-1547)
 RDCC Review (Y/N)
 (Date: _____)

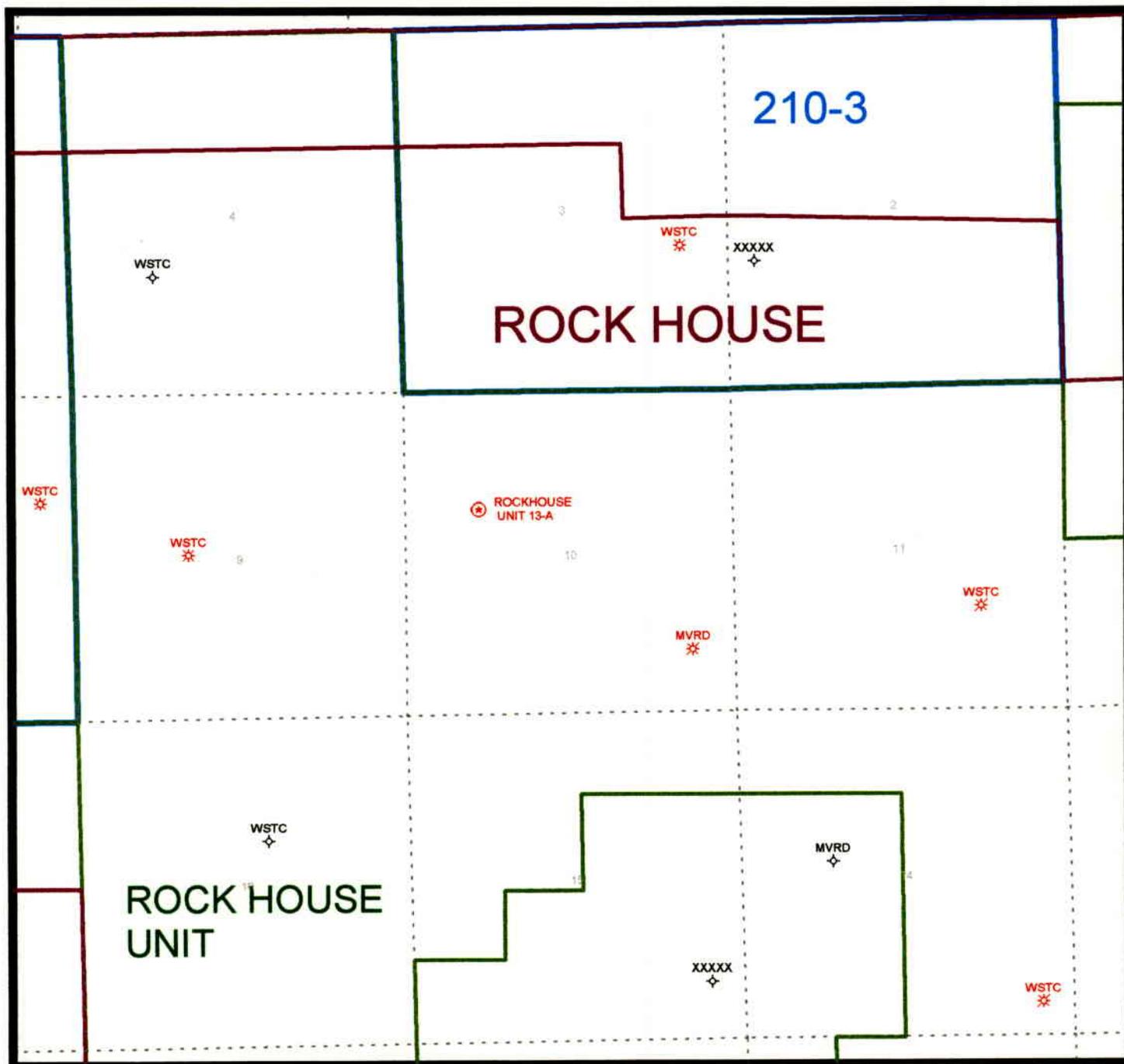
LOCATION AND SITING:

___ R649-2-3. Unit: _____
 ___ R649-3-2. General.
 R649-3-3. Exception.
 ___ Drilling Unit.
 Board Cause no: _____
 Date: _____

COMMENTS: _____

STIPULATIONS: _____

UNITED UTILITIES
ROCKHOUSE UNIT 13-A
SEC. 10, T11S, R23R
UINTAH COUNTY, UAC R649-2-3



PREPARED:
DATE: 10-MAY-96

United Utilities Corp.

4: 347-3275/3

Federal 13-A

↑
North

Reserve Pit

Water
Treater

Line
Heater

Pumpjack
gasoline

Wellhead

400 Bbl.
Oil
Tank

400 Bbl.
Oil
Tank

210
Bbl. Oil
Tank

200
Bbl. Water
Tank

210
Bbl. Oil
Tank

Top
Soil

100
Bbl. Water
Tank

210
Bbl. Oil
Tank

Access

**UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY**

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

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
 United Utilities Corporation

3. ADDRESS OF OPERATOR
 625 North 100 West Vernal, UT 84078

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*)
 At surface
 1,870 FNL & 1,200 FWL, SW 1/4 NW 1/4 Sec. 10. T11S, R23E
 At proposed prod. zone
 Same

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
 +/- 34 miles from Bonaza Utah

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drig. unit line, if any)
 1,200'

16. NO. OF ACRES IN LEASE
 2,442

17. NO. OF ACRES ASSIGNED TO THIS WELL
 160

18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.
 2,500'

19. PROPOSED DEPTH
 3,785

20. ROTARY OR CABLE TOOLS
 Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
 6,118' GR

22. APPROX. DATE WORK WILL START*
 May 11, 1996

5. LEASE DESIGNATION AND SERIAL NO.
 UTU-0779

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
 N/A

7. UNIT AGREEMENT NAME
 Rockhouse Unit

8. FARM OR LEASE NAME
 Rockhouse Unit

9. WELL NO.
 13-A

10. FIELD AND POOL, OR WILDCAT
 Rockhouse Gas Field

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
 Section 10, T11S, R23E
 S. 1. B. & M.

12. COUNTY OR PARISH
 Uintah

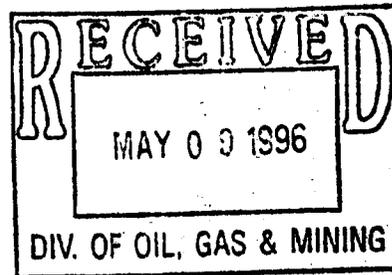
13. STATE
 Utah

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/4	9 5/8	36	250	70 sx to surface
8 3/4	7	23	3,785	485 sx to surface

Attachment to this APD:

1. Surveyors location plat
2. Well control plan
3. Surface use and operating plan
4. Maps & diagrams
5. Self certification statement
6. Hazardous materials declaration



The Rockhouse Unit #13-A will be drilled on the same drill pad as the existing Rockhouse Unit #13. No additional surface disturbance will be required. The well location will be moved approximately 30' north of the well bore of the #13 well.

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

24. SIGNED [Signature] TITLE Agent-Consulting Engineer DATE May 7, 1996

(This space for Federal or State office use)

PERMIT NO. 43-047-32753 APPROVAL DATE _____

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

<p>SUNDRY NOTICES AND REPORTS ON WELLS</p> <p style="font-size: small;">Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells. Use APPLICATION FOR PERMIT TO DRILL OR DEEPEN form for such proposals.</p>		5. Lease Designation and Serial Number: UTU-0779
		6. If Indian, Allottee or Tribe Name: NA
<div style="border: 2px solid black; padding: 5px; display: inline-block;"> <p style="font-size: 2em; margin: 0;">RECEIVED</p> <p style="font-size: 1.2em; margin: 0;">MAY 30 1996</p> <p style="font-size: 1.2em; margin: 0;">DIV. OF OIL, GAS & MINING</p> </div>		7. Unit Agreement Name:
		8. Well Name and Number: Federal #13-A
1. Type of Well: OIL <input checked="" type="checkbox"/> GAS <input type="checkbox"/> OTHER: <input type="checkbox"/>		9. API Well Number: 43-047-32763
2. Name of Operator: United Utilities Corporation		10. Field and Pool, or Wildcat: Rockhouse (Green River)
3. Address and Telephone Number: 625 North 100 West Vernal, Utah (801) 789-2772		
4. Location of Well: Footages: 1958' FNL & 1279' FWL County: Uintah OO, Sec., T., R., M.: SW $\frac{1}{4}$ NW $\frac{1}{4}$ Section 10, T11S, R23E, S.L.B.&M State: Utah		

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

NOTICE OF INTENT <small>(Submit in Duplicate)</small>	SUBSEQUENT REPORT <small>(Submit Original Form Only)</small>
<input type="checkbox"/> Abandon <input type="checkbox"/> Repair Casing <input type="checkbox"/> Change of Plans <input type="checkbox"/> Convert to Injection <input type="checkbox"/> Fracture Treat or Acidize <input type="checkbox"/> Multiple Completion <input type="checkbox"/> Other <u>Change of location</u>	<input type="checkbox"/> Abandon * <input type="checkbox"/> Repair Casing <input type="checkbox"/> Change of Plans <input type="checkbox"/> Convert to Injection <input type="checkbox"/> Fracture Treat or Acidize <input type="checkbox"/> Other _____
<input type="checkbox"/> New Construction <input type="checkbox"/> Pull or Alter Casing <input type="checkbox"/> Recomplete <input type="checkbox"/> Reperforate <input type="checkbox"/> Vent or Flare <input type="checkbox"/> Water Shut-Off	<input type="checkbox"/> New Construction <input type="checkbox"/> Pull or Alter Casing <input type="checkbox"/> Reperforate <input type="checkbox"/> Vent or Flare <input type="checkbox"/> Water Shut-Off
Approximate date work will start _____	Date of work completion _____
	Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION REPORT AND LOG form. * Must be accompanied by a cement verification report.

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work)

An Application for Permit to Drill was previously submitted for the referenced well with a location of 1870' FNL & 1200' FWL. That location has been changed. This is a non-unitized Green River test. An Administrative Exception to spacing is requested based upon geologic information. This well will be drilled on the same well pad as the Rockhouse Unit #13 to produce the Green River that was tested and squeezed in the well bore of the #13 well. This well will produce from the known interval and any additional Green River intervals that may be commercial.

Water for drilling and completion operations will be obtained under Utah Water Rights Numbers 49-1547 and 49-1548.

13. Name & Signature: Terry E. Cox Title: Agent Date: 5/28/94

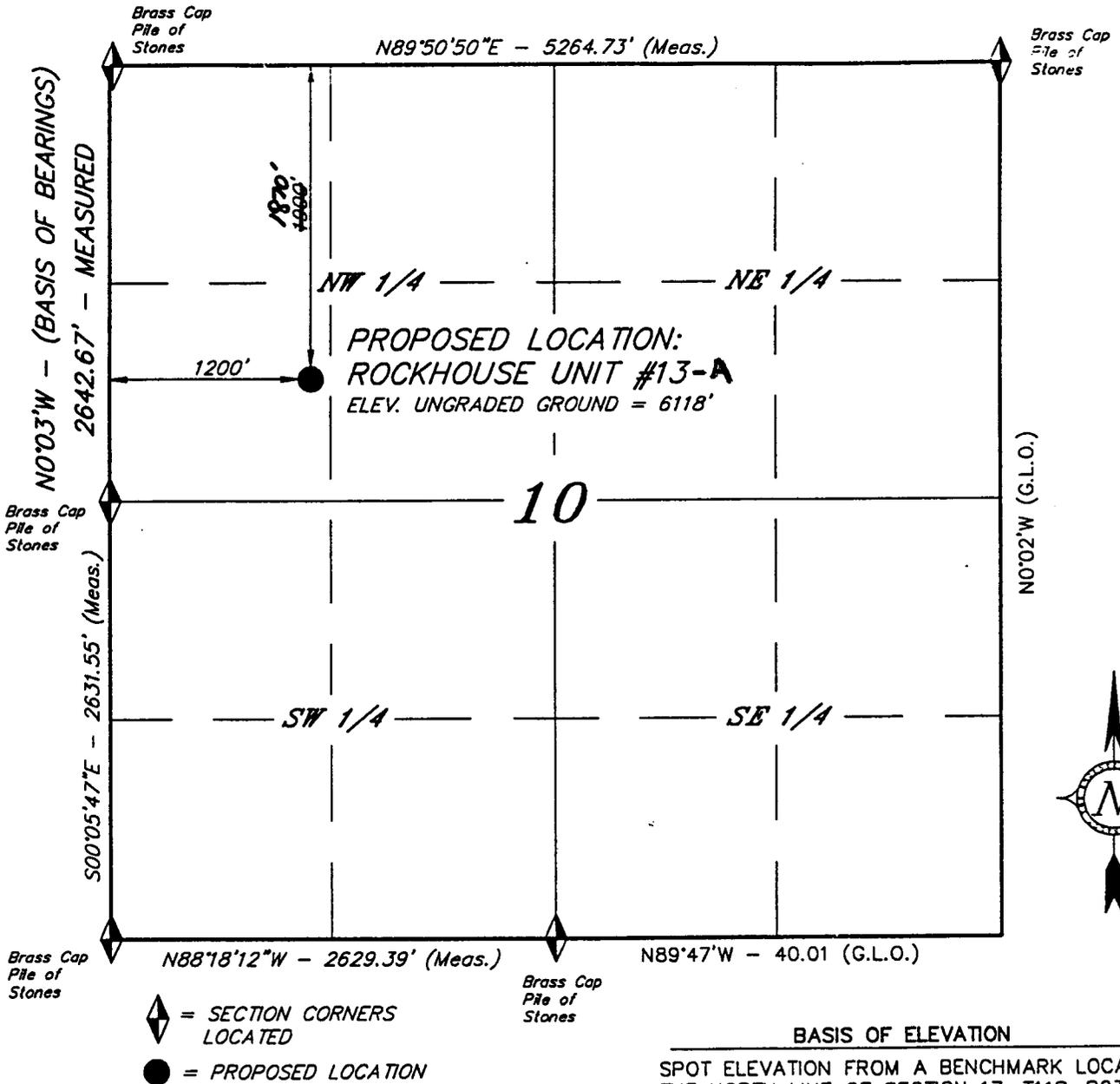
(This space for State use only)

Matthews Petroleum Engineer Date: 6/25/96

UNITED UTILITIES INC.

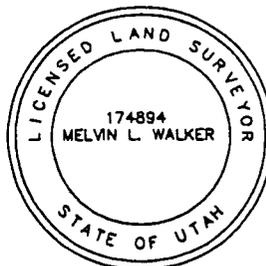
WELL LOCATION, ROCKHOUSE UNIT #13-A LOCATED
AS SHOWN IN THE SW 1/4 NW 1/4 OF SECTION 10,
T11S, R23E, S.L.B.&M., UINTAH COUNTY, UTAH.

T 1 1 S, R 2 3 E, S. L. B. & M.



THIS IS TO CERTIFY THAT THE PLAT HEREON WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY DIRECT SUPERVISION. THAT THE SAME HAS BEEN CORRECTLY SURVEYED AND STAKED ON THE GROUND AS SHOWN ON THIS PLAT AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

Melvin L. Walker
MELVIN L. WALKER
REGISTERED LAND SURVEYOR
REGISTRATION NO. 174894
STATE OF UTAH



BASIS OF ELEVATION

SPOT ELEVATION FROM A BENCHMARK LOCATED ON THE NORTH LINE OF SECTION 17, T11S, R23E, S.L.B.&M. TAKEN FROM THE ARCHY BENCH SE QUADRANGLE PUBLISHED BY THE U.S.G.S. SAID ELEVATION IS MARKED AS BEING 6054 FEET.

Freston Ostler Vernon & Associates, Inc. The Engineering Group	
DATE SURVEYED: 11-16-95	DRAWN BY: R.E.H.
SURVEYED BY: M.W. R.H.	DATE DRAWN: 11-20-95
WEATHER: COOL	NOTES:
SCALE: 1" = 1000'	FILE: ROCKHOUSE 13



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

Michael O. Leavitt
Governor

Ted Stewart
Executive Director

James W. Carter
Division Director

355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203
801-538-5340
801-359-3940 (Fax)
801-538-5319 (TDD)

June 25, 1996

United Utilities Corporation
625 North 100 West
Vernal, Utah 84078

Re: Federal 13-A Well, 1958' FNL, 1279' FWL, SW NW, Sec. 10,
T. 11 S., R. 23 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.

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 43-047-32753.

Sincerely,


for R. J. Firth
Associate Director

lwp

Enclosures

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

Operator: United Utilities Corporation
Well Name & Number: Federal 13-A
API Number: 43-047-32753
Lease: UTU-0779
Location: SW NW Sec. 10 T. 11 S. R. 23 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 following spudding the well or commencing drilling operations. Contact Jimmie Thompson at (801)538-5340.

Notify the Division prior to commencing operations to plug and abandon the well. Contact Frank Matthews or Mike Hebertson at (801)538-5340.

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.

DOGMA

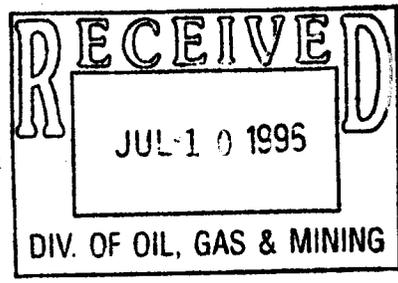
UNITED STATES DEPARTMENT OF THE INTERIOR GEOLOGICAL SURVEY

SUBMIT IN TRIPLICATE (Other instructions reverse side)

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR REENTER AND OPERATE. Includes fields for lease designation, operator name (United Utilities Corporation), location (Vernal, Utah), and well details.

Table with 5 columns: SIZE OF HOLE, SIZE OF CASING, WEIGHT PER FOOT, SETTING DEPTH, QUANTITY OF CEMENT. Contains data for two casing sizes: 12 1/4 and 8 3/4.

- Attachments to this APD: 1. Surveyor's location plat, 2. Well Control Plan, 3. Surface use and operating plan, 4. Maps & diagrams, 5. Self certification statement, 6. Hazardous materials declaration



RECEIVED MAY 30 1996

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or reenter and operate, give data on present productive zone and proposed new productive zone.

24. SIGNED Terry J. Cox TITLE Agent-Consulting Engineer DATE 5/28/96

CONDITIONS OF APPROVAL ATTACHED TO OPERATOR'S COPY. APPROVED BY [Signature] TITLE Acting Assistant Field Manager DATE JUN 28 1996

NOTICE OF APPROVAL

U40806M-138

See Instructions On Reverse Side

CONDITIONS OF APPROVAL
APPLICATION FOR PERMIT TO DRILL

Company/Operator: United Utilities Corporation

Well Name & Number: Rockhouse Unit #13A

API Number: 43-047-32753

Lease Number: U - 0779

Location: SWNW Sec. 10 T.11S R. 23E

CONDITIONS OF APPROVAL FOR NOTICE TO DRILL

Approval of this application does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Be aware fire restrictions may be in effect when location is being constructed and/or when well is being drilled. Contact the appropriate Surface Management Agency for information.

A. DRILLING PROGRAM

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

Report ALL water shows and water-bearing sands to Tim Ingwell of this office **prior to setting the next casing string or requesting plugging orders**. Faxed copies of State of Utah form OGC-8-X are acceptable. If noticeable water flows are detected, submit samples to this office along with any water analyses conducted.

All usable water and prospectively valuable minerals (as described by BLM at onsite) encountered during drilling, will be recorded by depth and adequately protected. All oil and gas shows will be tested to determine commercial potential.

2. Pressure Control Equipment

The BOP and related equipment shall meet the minimum requirements of Onshore Oil and Gas Order No. 2 for equipment and testing requirements, procedures, etc., for a 3M system and individual components shall be operable as designed. Chart recorders shall be used for all pressure tests.

Test charts, with individual test results identified, shall be maintained on location while drilling and shall be made available to a BLM representative upon request.

If an air compressor is on location and is being utilized to provide air for the drilling medium while drilling, the special drilling requirements in Onshore Oil and Gas Order No. 2, regarding air or gas drilling shall be adhered to. If a mist system is being utilized then the requirement for a deduster shall be waived.

The Vernal District Office shall be notified, at least 24 hours prior to initiating the pressure tests, in order to have a BLM representative on location during pressure testing.

3. Casing Program and Auxiliary Equipment

Surface casing shall have centralizers on the bottom three joints, with a minimum of one centralizer per joint.

As a minimum, the usable water and oil shale resources shall be isolated and/or protected by having a cement top for the production casing at least 200 ft. above the top of the Mahogany oil shale, identified at 1,417 ft. If gilsonite is encountered while drilling, it shall be isolated and/or protected via the cementing program.

The Vernal District Office shall be notified at least 24 hours prior to the running and cementing of all casing strings, in order to have a BLM representative on location while running and cementing all casing strings.

4. Mud Program and Circulating Medium

Hazardous substances specifically listed by the EPA as a hazardous waste or demonstrating a characteristic of a hazardous waste will not be used in drilling, testing, or completion operations.

No chromate additives will be used in the mud system on Federal and Indian lands without prior BLM approval to ensure adequate protection of fresh water aquifers.

5. Coring, Logging and Testing Program

Daily drilling and completion progress reports shall be submitted to this office on a weekly basis.

All Drill Stem tests (DST) shall be accomplished during daylight hours, unless specific approval to start during other hours is obtained from the AO. However, DSTs may be allowed to continue at night if the test was initiated during daylight hours and the rate of flow is stabilized and if adequate lighting is available (i.e., lighting which is adequate for visibility and vaporproof for safe operations). Packers can be released, but tripping should not begin before daylight unless prior approval is obtained from the AO.

A cement bond log (CBL) will be run from the production casing shoe to $\pm 1,217$ ft. and shall be utilized to determine the bond quality for the production casing. Submit a field copy of the CBL to this office.

6. Notifications of Operations

No location will be constructed or moved, no well will be plugged, and no drilling or workover equipment will be removed from a well to be placed in a suspended status without prior approval of the AO. If operations are to be suspended, prior approval of the AO will be obtained and notification given before resumption of operations.

The Vernal District Office shall be notified, during regular work hours (7:45 a.m.-4:30 p.m., Monday through Friday except holidays), at least 24 hours **prior** to spudding the well.

Operator shall report production data to MMS pursuant to 30 CFR 216.5 using form MMS/3160.

Immediate Report: Spills, blowouts, fires, leaks, accidents, or any other unusual occurrences shall be promptly reported in accordance with the requirements of NTL-3A or its revision.

If a replacement rig is contemplated for completion operations, a "Sundry Notice" (Form 3160-5) to that effect will be filed, for prior approval of the AO, and all conditions of this approved plan are applicable during all operations conducted with the replacement rig.

The date on which production is commenced or resumed will be construed for oil wells as the date on which liquid hydrocarbons are first sold or shipped from a temporary storage facility, such as a test tank, and for which a run ticket is required to be generated or, the date on which liquid hydrocarbons are first produced into a permanent storage facility, whichever first occurs; and, for gas wells as the date on which associated liquid hydrocarbons are first sold or shipped from a temporary storage facility, such as a test tank, and for which a run ticket is required to be generated or, the date on which gas is first measured through permanent metering facilities, whichever first occurs.

Should the well be successfully completed for production, the AO will be notified when the well is placed in a producing status. Such notification will be sent by telegram or other written communication, not later than five (5) days following the date on which the well is placed on production.

Gas produced from this well may not be vented or flared beyond an initial authorized test period of 30 days or 50 MMCF following its completion, whichever occurs first, without the prior written approval of the Authorized Officer. Should gas be vented or flared without approval beyond the authorized test period, the operator may be directed to shut-in the well until the gas can be captured or approval to continue venting or flaring as uneconomic is granted and the operator shall be required to compensate the lessor for that portion of the gas vented or flared without approval which is determined to have been avoidably lost.

A schematic facilities diagram as required by 43 CFR 3162.7-2, 3162.7-3, and 3162.7-4 shall be submitted to the appropriate District Office within thirty (30) days of installation or first production, whichever occurs first. All site security regulations as specified in Onshore Oil & Gas Order No. 3 shall be adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed in accordance with 43 CFR 3162.7-4.

No well abandonment operations will be commenced without the prior approval of the AO. In the case of newly drilled dry holes or failures, and in emergency situations, oral approval will be obtained from the AO. Final abandonment will not be approved until the surface reclamation work required by the approved APD or approved abandonment notice has been completed to the satisfaction of the AO or his representative, or the appropriate Surface Managing Agency.

7. Other Information

There will be no deviation from the proposed drilling and/or workover program without prior approval from the AO. Safe drilling and operating practices must be observed. All wells, whether drilling, producing, suspended, or abandoned will be identified in accordance with 43 CFR 3162.

"Sundry Notice and Report on Wells" (Form 3160-5) will be filed for approval for all changes of plans and other operations in accordance with 43 CFR 3162.3-2.

Section 102(b)(3) of the Federal Oil and Gas Royalty Management Act of 1982, as implemented by the applicable provisions of the operating regulations at Title 43 CFR 3162.4-1(c), requires that "not later than the 5th business day after any well begins production on which royalty is due anywhere on a lease site or allocated to a lease site, or resumes production in the case of a well which has been off production for more than 90 days, the operator shall notify the authorized officer by letter or sundry notice, Form 3160-5, or orally to be followed by a letter or sundry notice, of the date on which such production has begun or resumed."

If you fail to comply with this requirement in the manner and time allowed, you shall be liable for a civil penalty of up to \$10,000 per violation for each day such violation continues, not to exceed a maximum of 20 days. See Section 109(c)(3) of the Federal Oil and Gas Royalty Management Act of 1982 and the implementing regulations at Title 43 CFR 3162.4-1(b)(5)(ii).

APD approval is valid for a period of one (1) year from the signature date. An extension period may be granted, if requested, prior to the expiration of the original approval period.

In the event after-hours approvals are necessary, please contact one of the following individuals:

Ed Forsman (801) 789-7077
Petroleum Engineer

Wayne P. Bankert (801) 789-4170
Petroleum Engineer

Jerry Kenczka (801) 781-1190
Petroleum Engineer

BLM FAX Machine(801) 781-4410

EPA'S LIST OF NONEXEMPT EXPLORATION AND PRODUCTION WASTES

While the following wastes are nonexempt, they are not necessarily hazardous.

Unused fracturing fluids or acids

Gas plant cooling tower cleaning wastes

Painting wastes

Oil and gas service company wastes, such as empty drums, drum rinsate, vacuum truck rinsate, sandblast media, painting wastes, spent solvents, spilled chemicals, and waste acids

Vacuum truck and drum rinsate from trucks and drums, transporting or containing nonexempt waste

Refinery wastes

Liquid and solid wastes generated by crude oil and tank bottom reclaimers

Used equipment lubrication oils

Waste compressor oil, filters, and blowdown

Used hydraulic fluids

Waste solvents

Waste in transportation pipeline-related pits

Caustic or acid cleaners

Boiler cleaning wastes

Boiler refractory bricks

Incinerator ash

Laboratory wastes

Sanitary wastes

Pesticide wastes

Radioactive tracer wastes

Drums, insulation and miscellaneous solids.

CONDITIONS OF APPROVAL
FOR THE SURFACE USE PROGRAM

The reserve pit will be lined with a plastic/nylon reinforced liner. It will be a minimum of 12 mil thickness with sufficient bedding (either straw or dirt) to cover any rocks. The liner will overlap the pit walls and be covered with dirt and/or rocks to hold it in place. No trash, scrap pipe, etc., that would puncture the liner will be disposed of in the pit. More stringent protective requirements may be deemed necessary by the A.O.

No vehicle travel will be allowed off of the existing roads or ROW.

The topsoil will be windrowed on the north end of the location between stakes 6 and 8.

OPERATOR UNITED UTILITIES CORP
 ADDRESS 7670 WOODWAY SUITE 340
HOUSTON, TX 77063-1520

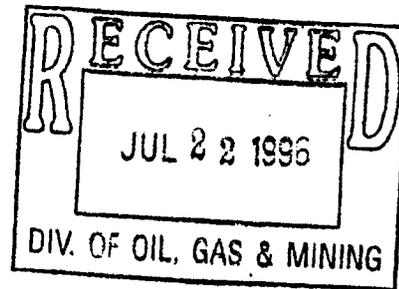
OPERATOR ACCT. NO. N 6360

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
B	02025	99998	43-047-32761	ROCKHOUSE FEDERAL UNIT # 16	NW NW	15	11S	23E	UINTAH	6-18-96	
WELL 1 COMMENTS: ROCKHOUSE UNIT WELL-PLUG AND ABANDON PA'd 6-28-96. <i>LC</i>											
A	99999	11949	43-047-32753	ROCKHOUSE #13-A	SW NW	10	11S	23E	UINTAH	7-5-96	
WELL 2 COMMENTS: Entity added 7-23-96. <i>LC</i>											
B	02025	→	43-047-32762	(STATE) ROCKHOUSE UNIT #18	NE NE	16	11S	23E	UINTAH	7-11-96	
WELL 3 COMMENTS: ROCKHOUSE UNIT Entity added 7-23-96. <i>LC</i>											
WELL 4 COMMENTS:											
WELL 5 COMMENTS:											

- ACTION CODES (See instructions on back of form)
- 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)

NOTE: Use COMMENT section to explain why each Action Code was selected.

(3/89)



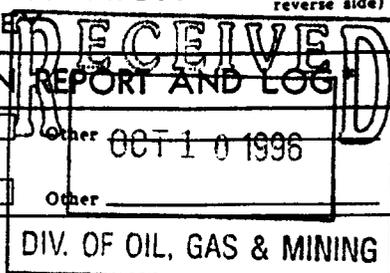
J. Anderson
 Signature _____
 Title _____
 Date 7-17-96
 Phone No. (806) 789-2772

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE*

(See other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R355.5.



WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. LEASE DESIGNATION AND SERIAL NO.
UTU-0779

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
NA

7. UNIT AGREEMENT NAME
NA

8. FARM OR LEASE NAME
Federal

9. WELL NO.
13-A

10. FIELD AND POOL, OR WILDCAT
Rockhouse (Green River)

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA
Sec. 10, T11S, R23E
S.L.B. & M.

12. COUNTY OR PARISH
Uintah

13. STATE
Utah

1. TYPE OF WELL: OIL WELL GAS WELL DRY Other

b. TYPE OF COMPLETION: NEW WELL WORK OVER DEEP-EN PLUG BACK DIFF. RESRV. Other

2. NAME OF OPERATOR
United Utilites Corporation

3. ADDRESS OF OPERATOR
625 North 100 West Vernal, UT 84078

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*
At surface 1958' FNL & 1279' FWL Sec. 10, T11S, R23E

At top prod. interval reported below Same

At total depth Same

14. PERMIT NO. 42-047-32753 | DATE ISSUED 6/28/96

13. DATE SPUNDED 7/5/96 | 16. DATE T.D. REACHED 7/8/96 | 17. DATE COMPL. (Ready to prod.) 9/7/96 | 18. ELEVATIONS (DP, RKB, RT, GR, ETC.)* 6129'RKB | 19. ELEV. CASINGHEAD 6117'

20. TOTAL DEPTH, MD & TVD 3795' | 21. PLUG, BACK T.D., MD & TVD 3746' | 22. IF MULTIPLE COMPL., HOW MANY* | 23. INTERVALS DRILLED BY 0 - TD | ROTARY TOOLS | CABLE TOOLS

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*
3696'-3715' Green River

25. WAS DIRECTIONAL SURVEY MADE
No

26. TYPE ELECTRIC AND OTHER LOGS RUN
CNL-EDC / DIL

27. WAS WELL CORED
NO

CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLES SIZE	CEMENTING RECORD	AMOUNT PULLED
9 5/8"	36#	266'	12 1/2"	160 sx to surface	None
7"	26#	3792'	8 3/4"	205 sx	None

29. LINER RECORD				30. TUBING RECORD			
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2 7/8"	3693'	

31. PERFORATION RECORD (Interval, size and number)		32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.	
INTERVAL	DESCRIPTION	DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
3618'-3634'	squeezed		
3602'-3610'	squeezed		
3592'-3597'	squeezed		
3546'-3554'	squeezed		
3316'-3334'	squeezed		
3696'-3715'	38 holes	3696'-3715'	88,000# 16/30 + 36,800 gals gelled water

33. PRODUCTION

DATE FIRST PRODUCTION 9/7/96 | PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) Pumping | WELL STATUS (Producing or shut-in) Producing

DATE OF TEST	HOURS TESTED	CHOKER SIZE	PROD'N. FOR TEST PERIOD	OIL—BSL.	GAS—MCF.	WATER—BSL.	GAS-OIL RATIO
9/10/96	24			65	379	0	5830
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BSL.	GAS—MCF.	WATER—BSL.	OIL GRAVITY-APT (CORR.)	
340	340		65	379	0	29.5	

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)
Sold

TEST WITNESSED BY
M. Fretheim

35. LIST OF ATTACHMENTS
Logs under separate cover

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

SIGNED [Signature] TITLE Agent-Consulting Eng DATE 10/2/96

INSTRUCTIONS

General: This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on items 22 and 24, and 33, below regarding separate reports for separate completions.

If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 35.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 18: Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments. Items 22 and 24: If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

Item 29: "Sucks Cement": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.

Item 33: Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

37. SUMMARY OF POROUS ZONES:
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

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.
Uintah	Surface	1141	Oil & Gas
Green River	1141	3742	
Wasatch	3742	TD	

38. GEOLOGIC MARKERS

NAME	TOP	
	MEAS. DEPTH	TRUE VERT. DEPTH

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING
 1594 West North Temple, Suite 1210, PO Box 145801, Salt Lake City, UT 84114-5801

MONTHLY OIL AND GAS PRODUCTION REPORT

OPERATOR NAME AND ADDRESS:

TAMARA SEITER
 UNITED UTILITIES CORP
 7670 WOODWAY STE 340
 HOUSTON TX 77063

UTAH ACCOUNT NUMBER: N6360

REPORT PERIOD (MONTH/YEAR): 12 / 96

AMENDED REPORT (Highlight Changes)

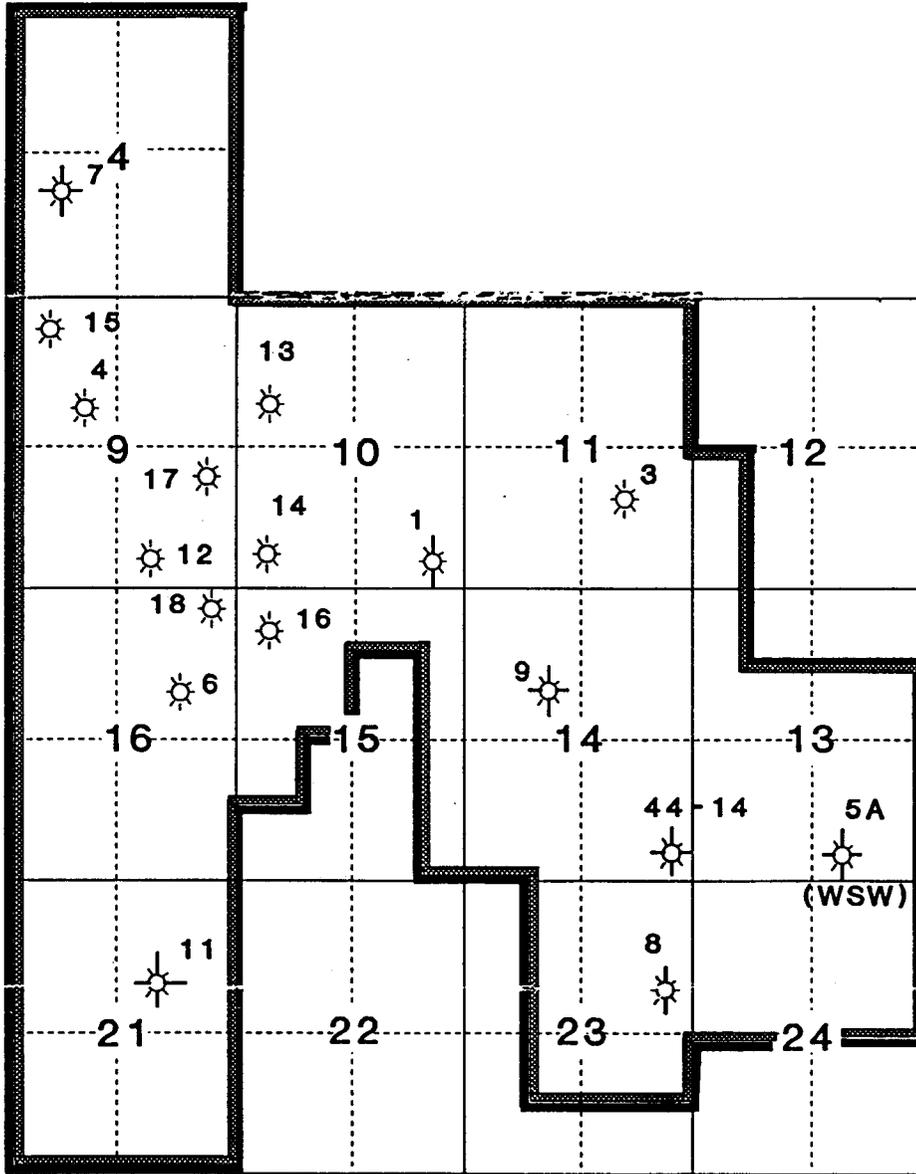
Well Name API Number Entity Location	Producing Zone	Well Status	Days Oper	Production Volumes		
				OIL(BBL)	GAS(MCF)	WATER(BBL)
ROCKHOUSE UNIT 14 4304732521 02025 11S 23E 10	WSTC			UTU0779		
ROCKHOUSE UNIT 13 4304732522 02025 11S 23E 10	WSTC			UTU0779		
ROCKHOUSE UNIT 12 4304732719 02025 11S 23E 9	WSTC			UTU0779		
ROCKHOUSE UNIT 15 4304732734 02025 11S 23E 9	WSTC			"		
ROCKHOUSE UNIT 17 4304732760 02025 11S 23E 9	WSTC			"		
ROCKHOUSE UNIT 18 4304732762 02025 11S 23E 16	WSTC			ML3221		
KHOUSE UNIT 1 4304715809 10876 11S 23E 10	MVRD			U0779		
LAPAGLIA #1 4304732634 11834 11S 23E 3	WSTC			UTU66407	Upper Rockhouse	Not a Fed. Unit
ACOSTA #1 4304732584 11906 11S 23E 3	WSTC			UTU66407	Upper Rockhouse	Not a Fed. Unit
ROCKHOUSE 13-A 4304732753 11949 11S 23E 10	GRRV			UTU0779		
TOTALS						

COMMENTS: * Upper Rockhouse "Lapaglia #1 & Acosta #1" separate chg.

I hereby certify that this report is true and complete to the best of my knowledge. Date: _____
 Name and Signature: _____ Telephone Number: _____

ROCK HOUSE UNIT
Uintah County, Utah
EFFECTIVE: JANUARY 11, 1961

RECEIVED
 JAN 17 1997
 DIV. OF OIL, GAS & MINING



11S

23E

UNIT AGREEMENT (UTU63030X)

WASATCH - MESAVERDE PA

AS CONTRACTED FEBRUARY 2, 1966

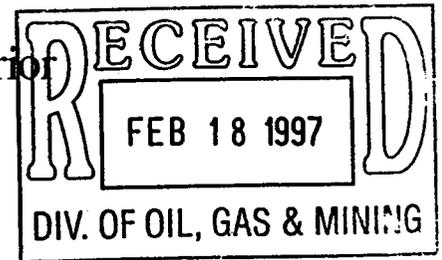
6,230.45 ACRES

**WSTC-MSVD PA
 ALLOCATION
 FEDERAL 89.7279%
 STATE 10.2721%
 6,230.45 Acres**



United States Department of the Interior

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



COPY

February 12, 1997

CERTIFIED MAIL - RETURN RECEIPT REQUESTED

United Utilities Incorporated
Attn: John Lapaglia
7670 Woodway, Suite 340
Houston, Texas 77063

Re: Rock House Unit
Uintah County, Utah

Gentlemen:

We are in receipt of your notice of intent to resign as Unit Operator of the Rock House Unit, effective March 3, 1997.

Please be advised that the resignation shall not become effective for a period of 6 months after notice of intention to resign has been served by the Unit Operator on all working interest owners and this office (February 10), unless a new unit operator is selected, approved and has taken over and assumed the duties and obligations of unit operator prior to the expiration of the six month period. The resignation of the unit operator shall not release United Utilities Incorporated from any liability for any default by it occurring prior to the effective date of resignation.

Until a successor of unit operator is selected and approved, the working interest owners shall be jointly responsible for performance of the duties of Unit Operator, and shall no later than 30 days before such resignation or removal becomes effective (6 months after working interest notification) appoint a common agent to represent them in any action to be taken under the agreement..

If no successor of unit operator is selected and qualified as provided in Section 6 of the unit agreement, this office may at its election declare the unit agreement terminated.

Please provide all interested parties, copies of this correspondence. If you have any questions, please contact Teresa Thompson (801) 539-4047 or Mickey Coulthard (801) 539-4042.

Sincerely,

/s/ Robert A. Henricks

Robert A. Henricks
Chief, Branch of Fluid Minerals

bcc: District Manager - Vernal
~~Division Oil, Gas & Mining~~
File - Rock House Unit
Agr. Sec. Chron
Fluid Chron

UT931:TAThompson:tt:02-12-97

FAX

To:

Attn:

Tisha Cordova

Time Sent: 3:28 pm

From:

Sammy

Date: 4/8/97

Number of Pages:

4

Fax Number:

(801) 359-3940

(Includes this page)

Remarks:

Tisha, I'm faxing you a letter
where United is Resigning as
unit operator effective 2/1/97

Please call with any
questions,

Thanks, Sammy

The information contained in this facsimile message is privileged and confidential information, intended for the use of the individual or entity indicated above. Any dissemination, distribution or copy of this communication is strictly prohibited. If you have received this communication in error, please immediately notify us by telephone and return the original message to us via the U. S. Postal Service. Thank you.

UUC

UNITED UTILITIES CORPORATION
7670 Woodway Dr., Suite 340
Houston, Texas 77063
Phone: (713) 782-9093
Fax: (713) 782-9095

UNITED

UTILITIES INCORPORATED

April 8, 1997

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

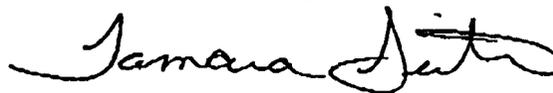
Re: Resignation of Unit Operator (Rainbow, ~~Rockhouse & Upper Rockhouse~~)

Dear Lisha Cordova,

Per our conversation on April 7, 1997 United Utilities Corporation has resigned as Unit Operator effective February 1, 1997 and Rosewood Resources Inc. is now the new Operator effective February 1, 1997. Please find the Monthly Oil and Gas Production Report showing Well Name, API # and Location of the Wells so that you can properly update United Utilities and Rosewoods Accounts.

Thanks in advance and have a great day.

Sincerely,
United Utilities Corporation



Tamara Seiter
Senior Accountant
Revenue & Joint Interest Billing

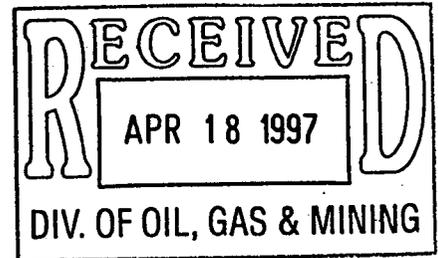
ts

COPY



United States Department of the Interior

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



IN REPLY REFER TO
UT-931

April 16, 1997

Rosewood Resources, Inc.
100 Crescent Court, Suite 500
Dallas, Texas 75201

Re: Rock House Unit
Uintah County, Utah

Gentlemen:

On April 10, 1997, we received an indenture dated March 1, 1997, whereby United Utilities Corporation resigned as Unit Operator and Rosewood Resources, Inc. was designated as Successor Unit Operator for the Rock House Unit, Uintah County, Utah.

This indenture was executed by all required parties and the signatory parties have complied with Sections 5 and 6 of the unit agreement. The instrument is hereby approved effective April 16, 1997.

Your nationwide (Montana) oil and gas bond No. 0627 will be used to cover all operations within the Rock House Unit.

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

Sincerely,

/s/ James A. Fouts

for Robert A. Henricks
Chief, Branch of Fluid Minerals

Enclosure

bcc: District Manager - Vernal (w/enclosure)
~~Division of Oil, Gas & Mining~~
Minerals Adjudication Group U-932
File - Rock House Unit (w/enclosure)
MMS - Data Management Division
Agr. Sec. Chron
Fluid Chron

U-931:TAThompson:tt:April 16, 1997

WELL STATUS REPORTS
UTAH STATE OFFICE

INSPECTION ITEM	API NO.	WELL NUMBER	QTQT	SEC	TWN	RNG	WELL STATUS	LEASE NAME	OPERATOR
** INSPECTION ITEM 891007314C		ROCK HOUSE WS MV							
✓ 891007314C	430471580900S1	1	SESE	10	11S	23E	TA	UTU0779	UNITED UTILITIES CORPORAT
✓ 891007314C	430473271900S1	12	SWSE	9	11S	23E	PGW	UTU0779	UNITED UTILITIES CORPORAT
✓ 891007314C	430473252200S1	13	SWNW	10	11S	23E	PGW	UTU0779	UNITED UTILITIES CORPORAT
✓ 891007314C	430473252100S1	14	SWSW	10	11S	23E	PGW	UTU0779	UNITED UTILITIES CORPORAT
✓ 891007314C	430473273400S1	15	NWNW	9	11S	23E	PGW	UTU0779	UNITED UTILITIES CORPORAT
891007314C	430473276100X1	16	NWNW	15	11S	23E	ABD	UTU0780	UNITED UTILITIES CORPORAT
✓ 891007314C	430473276000S1	17	NESE	9	11S	23E	PGW	UTU0779	UNITED UTILITIES CORPORAT
✓ 891007314C	430473276200S1	18	NENE	16	11S	23E	PGW	STATE	UNITED UTILITIES CORPORAT
✓ 891007314C	430471581000S1	3	NWSE	11	11S	23E	PGW	UTU0778	UNITED UTILITIES CORPORAT
✓ 891007314C	430471581100S1	4	SENW	9	11S	23E	PGW	UTU0779	UNITED UTILITIES CORPORAT
✓ 891007314C	430473180600S1	44-14	SESE	14	11S	23E	ABD	UTU0779	UNITED UTILITIES CORPORAT
891007314C	430471581200S1	5A	SWSE	13	11S	23E	WSW	UTU0779	UNITED UTILITIES CORPORAT
✓ 891007314C	430471581500S1	8	SENE	23	11S	23E	TA	UTU0780	UNITED UTILITIES CORPORAT
** INSPECTION ITEM 891007314X		ROCK HOUSE X							
✓ 891007314X	430473275300S1	13-A	SWNW	10	11S	23E	POW	UTU0779	UNITED UTILITIES CORPORAT

*PA'd; addl
rehab Ref.
by Blm*

*Returned Op. to
Water Rights*

OPERATOR CHANGE WORKSHEET

1-ABC	6-DEF
2-GLH	7-KDR KAS
3-DTSOTS	8-SJ
4-VLD	9-FILE
5-RIF GEB	

Attach all documentation received by the division regarding this change.
Initial each listed item when completed. Write N/A if item is not applicable.

- Change of Operator (well sold) Designation of Agent
- Designation of Operator Operator Name Change Only

The operator of the well(s) listed below has changed, effective: 2-1-97

<p>TO: (new operator) <u>ROSEWOOD RESOURCES INC</u> FROM: (old operator) <u>UNITED UTILITIES CORP.</u> (address) <u>100 CRESCENT COURT #500</u> (address) <u>7670 WOODWAY STE 340</u> <u>DALLAS TX 75201</u> <u>HOUSTON TX 77063</u> <u>Phone: (214)871-5710</u> <u>Phone: (713)782-9093</u> <u>Account no. N7510</u> <u>Account no. N6360</u></p>	<p><u>TAMARA SEITER</u></p>
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WELL(S) attach additional page if needed: **ROCK HOUSE UNIT**

Name: **SEE ATTACHED**	API: <u>43-047-32753</u>	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____

OPERATOR CHANGE DOCUMENTATION

- Sec 1. (r649-8-10) Sundry or other legal documentation has been received from the **FORMER** operator (attach to this form). *(Rec'd 4-8-97)*
- Sec 2. (r649-8-10) Sundry or other legal documentation has been received from the **NEW** operator (Attach to this form). *(x BLM Aprv. 4-16-97)*
- N/A 3. The **Department of Commerce** has been contacted if the new operator above is not currently operating any wells in Utah. Is the company registered with the state? (yes/no) _____ If yes, show company file number: _____
- Sec 4. **FOR INDIAN AND FEDERAL WELLS ONLY.** The BLM has been contacted regarding this change. Make note of BLM status in comments section of this form. BLM approval of **Federal** and **Indian** well operator changes should ordinarily take place prior to the division's approval, and before the completion of steps 5 through 9 below.
- Sec 5. Changes have been entered in the **Oil and Gas Information System** (3270) for each well listed above. *(4-30-97)*
- Sec 6. **Cardex** file has been updated for each well listed above. *(5-5-97)*
- Sec 7. Well **file labels** have been updated for each well listed above. *(5-5-97)*
- Sec 8. Changes have been included on the monthly "Operator, Address, and Account Changes" memo for distribution to Trust Lands, Sovereign Lands, UGS, Tax Commission, etc. *(4-30-97)*
- Sec 9. A folder has been set up for the **Operator Change** file, and a copy of this page has been placed there for reference during routing and processing of the original documents.

ENTITY REVIEW

- LC 1. (r649-8-7) Entity assignments have been reviewed for all wells listed above. Were entity changes made? (yes/no) no If entity assignments were changed, attach copies of Form 6, Entity Action Form.
- N/A 2. Trust Lands, Sovereign Lands, Tax Commission, etc., have been notified through normal procedures of entity changes.

BOND VERIFICATION - (FEE WELLS ONLY) *Trust Lands 80,000 Surety # 5836732 "Salico Ins. Co."*

- LC 1. (r649-3-1) The NEW operator of any fee lease well listed above has furnished a proper bond.
- LC N/A 2. A copy of this form has been placed in the new and former operator's bond files.
- LC 3. The FORMER operator has requested a release of liability from their bond (yes/no) no, as of today's date 4-22-97. If yes, division response was made to this request by letter dated _____.

LEASE INTEREST OWNER NOTIFICATION OF RESPONSIBILITY

- BT 1. Copies of documents have been sent on 5/9/97 to Ed Bonner at Trust Lands for changes involving State leases, in order to remind that agency of their responsibility to review for proper bonding.
- N/A 2. (r649-2-10) The former operator of any fee lease wells listed above has been contacted and informed by letter dated _____ 19 __, of their responsibility to notify all interest owners of this change.

FILMING

- ✓ 1. All attachments to this form have been microfilmed. Today's date: 6-6-97.

FILING

- 1. Copies of all attachments to this form have been filed in each well file.
- 2. The original of this form, and the original attachments are now being filed in the Operator Change file.

COMMENTS

970418 Bim/S.P. Appr. 4-16-97 et. same.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

5. Lease Designation and Serial No.

UTU-0779

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

SUBMIT IN TRIPLICATE

1. Type of Well

Oil Well Gas Well Other

2. Name of Operator

Rosewood Resources Inc.

3. Address and Telephone No.

100 Crescent Ct. Ste 500 Dallas, Tx 75201 (214) 871-5723

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

1958 FNL 1279 FWL
SWNW Sec. 10 T11S R23E

8. Well Name and No.

Rockhouse 13A

9. API Well No.

43-047-32753

10. Field and Pool, or Exploratory Area

Rockhouse (Green River)

11. County or Parish, State

Uintah Co., Utah

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

Notice of Intent
 Subsequent Report
 Final Abandonment Notice

TYPE OF ACTION

Abandonment
 Recompletion
 Plugging Back
 Casing Repair
 Altering Casing
 Other

Change of Plans
 New Construction
 Non-Routine Fracturing
 Water Shut-Off
 Conversion to Injection
 Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

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

10/9/97 MIRU Pool Well Serv. etc.
10/10/97 Laydown rods and pump. Release anchor, NUBOP and tripout with tubing. Trip in hole with casing scraper to 3276. Shutdown for weekend.
10/13/97 Trip in with casing scraper to 3674, TOH to 3591. Circulate hole clean. Tripout w/ tubing. Set CIBP @ 3650. Dump bailed 85x cement on top (42'). Set CIBP @ 3300.
10/14/97 TIH w/ 27/8 tubing to CIBP @ 3300. Circulate hole w/ 10.1 #/gal brine water. Test casing to 2000psi - OK. Spot 10 5x cement (53') on CIBP. Tripout to 2013. Spot 60 5x Cement 2013 to 1700. Tripout with tubing. Perforate 4 holes at 320'.
10/15/97 Pump 180 5x class 6' cement down 7". Displaced to 320. Displace 95/8 x 7" annulus to 320.
10/16/97 Circulate hole from 320. Pump 125.5 5x class 6' down 7" up 95/8 x 7" annulus. Lost returns with cement 2 Bbls from surface. Wait 1 hr. Pump 85 5x down 7" with returns cut annulus. Wait 1 hr. Pump 25 5x down 7" - 5 Bbls returned out annulus. Wait 30 min. Pump 25 5x top out. 5 Bbls returned out annulus. Cutoff 7" at head. Filled casing w/ 25 5x. Welded on plate w/ weep hole and 8' dry hole marker. All operations witnessed by Randy Bywater - BLM/Vernal
Will fill reserve pit and restore location. Daily reports and cement reports attached.

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

Signed

Jim McFinnell

Title

Prod. Engr.

Date

11/4/97

(This space for Federal or State office use)

Approved by

Title

Date

Conditions of approval, if any:



BJ Services Company

CEMENT JOB DETAIL SHEET

CUSTOMER Rosewood	DATE 8-15-97	FR # 083123	SER. SUP. Rex Edwards	TYPE JOB ETA
LEASE & WELL NAME Rock House 13A	LOCATION Sec 10 T. 11S R. 23E		COUNTY PARISH/BLOCK Clinton	
DISTRICT Yerwood	DRILLING CONTRACTOR RIG # Post	OPERATOR Same		

MATERIAL FURNISHED BY WPS	TYPE OF PLUGS		LIST-CSG-HARDWARE	SQ MANI FOLD Y/N	TOP OF EACH FLUID	PHYSICAL SLURRY PROPERTIES					
	TOP	BTM				SLURRY WGT PPG	SLURRY YLD FT	WATER GPS	PUMP TIME HR:MIN	Bbl SLURRY	Bbl MIX WATER
180 SKS "6" cmt						158	1.14	4.97	2:30	36.5	21

Available Mix Water **100** Bbl. Available Displ. Fluid **100** Bbl. TOTAL **36.5 21**

HOLE			TBG-CSG-D.P.				TBG-CSG-D.P.				COLLAR DEPTHS			
SIZE	% EXCESS	DEPTH	SIZE	WGT.	TYPE	DEPTH	SIZE	WGT.	TYPE	DEPTH	SHOE	FLOAT	STAGE	
			7"	26#	J-SS	9 5/8	36#	J-SS	266					
LAST CASING			PKR-CMT RET-BR PL-LINER				PERF. DEPTH		TOP CONN		WELL FLUID			
SIZE	WGT	TYPE	DEPTH	BRAND & TYPE		DEPTH	TOP	BTM	SIZE	THREAD	TYPE	WGT.		
7"	26#	J-SS					320	320	2"	8x0	Brine	10#		
CAL. DISPL VOL-Bbl.			CAL. PSI		CAL. MAX PSI		OP. MAX		MAX TBG PSI		MAX CSG PSI		DISPL FLUID	
TBG	CSG	CSG	TOTAL	BUMP PLUG	TO REV	SO PSI	RATED	OP.	RATED	OP.	TYPE	WGT.	SOURCE	
	.0383					500			4980	3984	H₂O	8.34	Tank	

EXPLANATION: TROUBLE SETTING TOOL, RUNNING CSG, ETC. PRIOR TO CEMENTING:

PRESSURE/RATE DETAIL						EXPLANATION		
TIME	PRESSURE-PSI		RATE	Bbl. FLUID	FLUID	SAFETY MEETING: WPS CREW <input checked="" type="checkbox"/> CO. REP <input type="checkbox"/>		
HR. MIN.	PIPE	ANNULUS	BPM	PUMPED	TYPE	TEST LINES	PSI	
8:09	0	0	3.5	20	Brine	2000		9:38 AM
8:14	250	0						
8:18	0	0	4.0	70	Brine			
8:43	300	0						
10:03		0			Brine			
10:09		0						
10:09	50	0	4.0	365	Cmt			
10:13	156	0			Cmt			
10:22	90	0						
11:32	60	0	3.0	15	Brine			
11:37	100	0						
11:51	0	0	2.6	16	Brine			
11:57	0	100						
12:03	45	0	.8	5	Brine			
12:09	40	0						

THANKS!
Rex
CREW

BUMPED PLUG	PSI TO BUMP PLUG	TEST FLOAT EQUIP.	TOTAL Bbl. PUMPED	Bbl. CMT RETURNS/ REVERSED	PSI LEFT ON CSG	SPOT TOP CEMENT	SER. SUP. Rex Edwards
Y/N		Y/N	162.5		40		CUSTOMER REP. Todd Farley



BJ Services Company

CEMENT JOB DETAIL SHEET

CUSTOMER <u>Rose Wood</u>			DATE <u>10-16-97</u>		SER. SUP. <u>Rex Edwards</u>		TYPE JOB <u>PA</u>						
LEASE & WELL NAME OCSG <u>Rock House BA</u>			LOCATION <u>Sec 10 T. 15 R. 2E</u>		COUNTY PARISH/BLOCK <u>Worth</u>								
DISTRICT <u>Vernal</u>		DRILLING CONTRACTOR RIG # <u>Pool</u>			OPERATOR <u>Same</u>								
MATERIAL FURNISHED BY WPS	TYPE OF PLUGS		LIST-CSG-HARDWARE		SO MANI FOLD	TOP OF EACH FLUID	PHYSICAL SLURRY PROPERTIES						
	TOP BTM				Y N		SLURRY WGT PPG	SLURRY YLD FT ³	WATER GPS	PUMP TIME HR:MIN	BBL SLURRY	BBL MIX WATER	
							15.8	1.14	4.97	2:30	50.8	795	
Available Mix Water <u>150</u> Bbl.			Available Displ. Fluid <u>100</u> Bbl.			TOTAL			<u>50,827.5</u>				
HOLE			TBG-CSG-D.P.			TBG-CSG-D.P.			COLLAR DEPTHS				
SIZE	% EXCESS	DEPTH	SIZE	WGT.	TYPE	DEPTH	SIZE	WGT.	TYPE	DEPTH	SHOE	FLOAT	STAGE
			7"	26"	J-55		9 5/8"	36"	J-55	266			
LAST CASING			PKR-CMT RET-BR PL-LINER			PERF. DEPTH		TOP CONN		WELL FLUID			
SIZE	WGT.	TYPE	DEPTH	BRAND & TYPE		DEPTH	TOP	BTM	SIZE	THREAD	TYPE	WGT.	
7"	26"	J-55				320	320		2"	8 RD	Brine	10#	
CAL. DISPL. VOL. -Bbl.			CAL. PSI	CAL. MAX PSI	OP. MAX	MAX TBG PSI		MAX CSG PSI		DISPL. FLUID		WATER SOURCE	
TBG.	CSG.	CSG.	TOTAL	BUMP FLUG	TO REV	SQ. PSI	RATED	OP.	RATED	OP.	TYPE	WGT.	
						500			4980	3984	H ₂ O	8.34	TANK
EXPLANATION: TROUBLE SETTING TOOL. RUNNING CSG. ETC. PRIOR TO CEMENTING.													
PRESSURE/RATE DETAIL						EXPLANATION							
TIME HR: MIN.	PRESSURE-PSI		RATE BPM	BBL. FLUID PUMPED	FLUID TYPE	SAFETY MEETING: WPS CREW <input checked="" type="checkbox"/> CO. REP <input type="checkbox"/>							
	PIPE	ANNULUS				TEST LINES <u>2000</u> PSI <u>6:58</u>							
<u>Am</u>						CIRCULATING WELL-RIG <input type="checkbox"/> WPS <input checked="" type="checkbox"/>							
8:29	20	0	2.8	0	H ₂ O	START Circulate Hole							
8:37	150	0	2.8	23	H ₂ O	Loaded Hole, "START Circulating"							
8:43	150	0	2.8	17	H ₂ O	Shut Down mix Cmt							
8:53	75	0	2.3	25.5	Cmt	START Cmt 125.5 SKS							
9:04	70	0				Shut Down last Circulation wait "1 hr"							
10:01	30	0	1.2	17.3	Cmt	START Cmt 85 SKS							
10:22	50	0				Shut Down Cmt To Surface wait "1 hr"							
11:27	20	0	.6	5.0	Cmt	START Cmt 25 sk							
11:35	70	0				Shut Down Cmt To Surface "5881 Retd"							
12:00	30	0	1.0	5.0	Cmt	START Cmt 25 sk Top out							
12:05	30	0				Shut Down Cmt To Surface 5881 Retd							
						Thanks!							
						Rex							
						+ CREW							
BUMPED PLUG	PSI TO BUMP PLUG	TEST FLOAT EQUIP.	TOTAL Bbl. PUMPED	BBL. CMT RETURNS/ REVERSED	PSI LEFT ON CSG	SPOT TOP CEMENT	SER. SUP. <u>Rex Edwards</u>						
Y N		Y N	92.8	10	0	SubE	CUSTOMER REP. <u>Todd Farleg</u>						



BJ Services Company

CEMENT JOB DETAIL SHEET

CUSTOMER: <u>Rose & Jordan</u>		DATE: <u>10-14-97</u>		SERIES: <u>283121</u>		TYPE JOB: <u>1st</u>							
LEASE & WELL NAME: <u>Rock House 13 B</u>		LOCATION: <u>Sec 10 T 15 R 23E</u>		COUNTY/PARISH/BLOCK: <u>Clatch CO</u>									
DISTRICT: <u>Yermak</u>		DRILLING CONTRACTOR RIG: <u>Pool</u>		OPERATOR: <u>Same</u>									
MATERIAL FURNISHED BY WPS	TYPE OF PLUGS		LIST-CSG-HARDWARE		SQ MANI FOLD	TOP OF EACH FLUID	PHYSICAL SLURRY PROPERTIES						
	TOP BTM	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>			Y/N	SLURRY WGT PPG	SLURRY YLD FT	WATER GPS	PUMP TIME HR:MIN	Bbl SLURRY	Bbl MIX WATER
	<u>1st Plug 10SKS "G"</u>	<u>Tubing 3000'</u>			<u>2748</u>	<u>15.8</u>	<u>1.14</u>	<u>4.97</u>	<u>230</u>	<u>2</u>	<u>1.1</u>		
	<u>2nd Plug 60SKS "G"</u>	<u>Tubing 2013'</u>			<u>1700</u>	<u>15.8</u>	<u>1.14</u>	<u>4.97</u>	<u>230</u>	<u>12</u>	<u>7.1</u>		
Available Mix Water <u>140</u> Bbl.		Available Displ. Fluid <u>200</u> Bbl.		TOTAL				<u>148.2</u>					
HOLE			TBG-CSG-O.P.			TBG-CSG-O.P.			COLLAR DEPTHS				
SIZE	% EXCESS	DEPTH	SIZE	WGT.	TYPE	DEPTH	SIZE	WGT.	TYPE	DEPTH	SHOE	FLOAT	STAGE
			<u>2 7/8</u>	<u>6.5</u>	<u>J-55</u>	<u>3000</u>	<u>7"</u>	<u>26"</u>					
LAST CASING			PKR-CMT RET (BR PD) LINER			PERF. DEPTH			TOP CONN			WELL FLUID	
SIZE	WGT.	TYPE	DEPTH	BRAND & TYPE		DEPTH	TOP	BTM	SIZE	THREAD	TYPE	WGT.	
<u>9 5/8</u>	<u>36"</u>		<u>266</u>			<u>3000</u>	<u>320</u>	<u>320</u>	<u>2 1/8</u>	<u>EU-E</u>	<u>Brine</u>	<u>10"</u>	
CAL. DISPL. VOL. -Bbl.			CAL. PSI	CAL. MAX PSI	OP. MAX	MAX TBG PSI		MAX CSG PSI		DISPL FLUID		WATER SOURCE	
CSG.	CSG.	TOTAL	BUMP PLUG	TO REV	SQ. PSI	RATED	OP.	RATED	OP.	TYPE	WGT.		
<u>283121</u>	<u>283121</u>	<u>19</u>		<u>500</u>		<u>7260</u>	<u>5808</u>	<u>4780</u>	<u>3984</u>	<u>Brine</u>	<u>10"</u>	<u>TRK</u>	
EXPLANATION: TROUBLE SETTING TOOL, RUNNING CSG, ETC. PRIOR TO CEMENTING													
PRESSURE/RATE DETAIL							EXPLANATION						
TIME	PRESSURE-PSI		RATE	Bbl. FLUID	FLUID	SAFETY MEETING: WPS CREW <input checked="" type="checkbox"/> CO. REP. <input type="checkbox"/>							
HR. MIN.	PIPE	ANNULUS	BPM	PUMPED	TYPE	TEST LINES <u>4000</u> PSI <u>9:05 Am</u>							
						CIRCULATING WELL-RIG <input type="checkbox"/> WPS <input checked="" type="checkbox"/>							
<u>AM</u>						START Roll Hole with 10" Brine							
<u>9:10</u>	<u>234</u>	<u>0</u>	<u>4.0</u>	<u>120</u>	<u>Brine</u>	Shut Down							
<u>9:40</u>	<u>0</u>	<u>0</u>				Pressure Test B.P. 2000 PSI "OK"							
<u>9:45</u>	<u>2000</u>	<u>0</u>				START Cmt							
<u>9:59</u>	<u>300</u>	<u>0</u>	<u>2.0</u>	<u>2</u>	<u>Cmt</u>	START Displacement							
<u>10:00</u>	<u>320</u>	<u>0</u>	<u>3.8</u>	<u>19</u>	<u>Brine</u>	Shut Down Balance Plug							
<u>10:05</u>	<u>330</u>	<u>0</u>				START Cmt							
<u>11:04</u>	<u>120</u>	<u>0</u>	<u>2.4</u>	<u>12</u>	<u>Cmt</u>	START Displacement							
<u>11:09</u>	<u>130</u>	<u>0</u>	<u>5.0</u>	<u>10</u>	<u>Brine</u>	Shut Down							
<u>11:01</u>	<u>230</u>	<u>0</u>				START Reverse out							
<u>11:29</u>	<u>0</u>	<u>50</u>	<u>2.1</u>	<u>15</u>	<u>Brine</u>	Shut Down All Reverse "Clear"							
<u>11:36</u>	<u>0</u>	<u>0</u>				Pressure up on Casing							
<u>12:53</u>	<u>500</u>	<u>0</u>	<u>2.5</u>	<u>5</u>	<u>Brine</u>	Perforated Hole in Casing							
<u>12:56</u>	<u>450</u>	<u>0</u>				Release Pressure							
<u>12:57</u>	<u>0</u>	<u>0</u>				Pump Down 7" Casing							
<u>1:20</u>	<u>980</u>	<u>0</u>	<u>.4</u>	<u>22</u>	<u>Brine</u>	Shut Down							
<u>2:10</u>	<u>1300</u>	<u>0</u>				Pump Down 9 5/8 - 7" Casing Ann.							
<u>2:14</u>	<u>0</u>	<u>80</u>	<u>2.0</u>	<u>25</u>	<u>Brine</u>	Shut Down Ann. + Casing on "Suck"							
<u>2:28</u>	<u>0</u>	<u>0</u>				Released from Tab							
<u>5:00</u>													
BUMPED PLUG	PSI TO BUMP PLUG	TEST FLOAT EQUIP.	TOTAL Bbl. PUMPED	Bbl. CMT RETURNS/ REVERSED	PSI LEFT ON CSG	SPOT TOP CEMENT	SER. SUP <u>Rex Edwards</u>						
Y/N		Y/N	<u>230</u>				CUSTOMER REP <u>Tod Farley</u>						

Attention:
Jim McQuillen

ROSEWOOD RESOURCE INC.

UTAH

DATE: Oct 16, 1997
 LEASE: Rock House
 WELL: 13A
 SUPERVISOR: Jim McQuillen
 ACTIVITY AT REPORT TIME: Moving Rig & Equipment To Rock House #20

HOURS ACTIVITY LAST 24 HOURS COMPLETION / WORKOVER COSTS
 (6:00 A.M. TO 6:00 P.M.)

		DAILY	CUM
7 AM well on site val, waited on wtr	LOCATION		
TRUCK @ 1/2 HRS NOTI WTR TRUCK WAS	RIG	1538	10,136
TO BE ON LOCATION AT 7 AM, FILLED C29'S	CHEMICALS		
& BACKL GIBL W/ @ 23 BBL'S FRESH WTR	LOGGING		
PUMPED @ 40 BBL'S TOTAL HAD FULL RETURN	PERF		5717
MIXED & PUMPED @ 125.5 SX CLASS CMT	FISHING TOOLS		
DOWN 7" C29 TO SOURCE PERFS @ 320' &	WATER	605	4013
UP 9 5/8 ANN, LAST ALL RETURN WELL ON VAL	RENTALS	45	1554
WHEN CMT WAS @ 2 BBL'S FROM SURFACE	TRUCKING		1583
SHUT DOWN WAITED @ 1 HR MIXED & PUMP	STIMULATION	376	10216
@ 85 SX CMT DOWN 7" W/ GOOD CMT TO	MISC. LABOR		
SURFACE SHUT DOWN WAITED @ 1 HR,	J-weld welder	817	3179
MIXED & PUMPED @ 25 SX CMT DOWN 7"	SUPERVISION		
5 BBL'S RETURNED @ 3 BBL'S PUMPED			
SHUT DOWN 30 MIN MIXED & PUMPED	TOTALS	6721	36398
@ 25 SX @ 5 BBL CMT HAD FULL RETURN			
R.O. BS-SERVICE N.O. WILL HEAD TO	TANGIBLES		1395
SURFACE SPOOL CUT 7" C29 AFT TO SPOOL			
MIXED @ 25 SX CMT TO FILL 7" C29 TO			
@ 1' FROM SURFACE WAITED @ 30 MIN	TOTAL COST	6721	37,793
CMT NOT MOVING WELDED 8' x 4 1/2" LINE			
PIPE DRY HOLE MARKER ON 1/4" PLAT TO			
SURFACE SPOOL CUT @ 1/8" KEEP HOLE IN			
PLATE RACKED OUT EQUIPMENT RIG			
DOWN PREP TO MOVE,			

TANGIBLE ITEMS CHARGED TODAY:

2:30 PM S.O.

NOTE: RANDY BYWATER BLM VERNAL OFFICE ENGINEER VERY PLEASED WITH PLUGGING.

Attention:
Jim McQuillen

ROSEWOOD RESOURCE INC.

UTAH

DATE: Oct 14, 1997
 LEASE: Rock House
 WELL: 13A
 SUPERVISOR: Jim McQuillen
 ACTIVITY AT REPORT TIME: waiting on orders

HOURS ACTIVITY LAST 24 HOURS COMPLETION / WORKOVER COSTS
 (6:00 A.M. TO 6:00 P.M.)

		DAILY	CUM
7AM well pressure 0-PSI P.W. 2 7/8	LOCATION		
Notched collar RTH w/105 STs 2 7/8 TAG	RIG	1850	7310
Tagged 7" CCBP set @ 3300' R.V. BJ-SERV	CHEMICALS		
To continue P&A as follows Test pump	LOGGING		
line to 4000 PSI Filled hole w/12 BBLs	PERF= Schlumberger	5717	5717
3" Circ Hole Full of 101 st BRIAN w/3 TRTs	FISHING TOOLS		
2" CSS From surface to CCBP @ 3300'	WATER	2330	3408
To 2000 PSI Test good mixed & pumped	RENTALS	221	1318
10 SX @ 53' AF cmt on top of CCBP	TRUCKING		1583
poth & laid down 41-Its 2 7/8 TAG 52-	STIMULATION JS-	3516	3516
Its out total set @ 2013' spotted	MISC. LABOR		2362
Balanced plug to @ 1700' using 60 SX			
class 6 cmt @ 313' plug poth w/12 Its	SUPERVISION		
@ 64 Its out total R.V. CIRC TAG CLEAN			
CONTINUE poth w/52-Its 116-Its 2 7/8	TOTALS	13,634	25,214
6.5 th S-S SURFACE TOTAL LAID DOWN ON			
TRAILER R.V. Schlumberger to shoot 4	TANGIBLES		1395
50002 Holes @ 520' R.V. BJ-SERVIC &			
HAD @ 500 PSI ON CSS WHEN PERF'S SHOT			
Lost @ 50 PSI AFTER shooting R.O. Schlum	TOTAL COST		
pumped @ 22 BBLs 10 th BRIAN down 7 th SS		13,634	26,609
starting injection @ 980 PSI AT RATE			
OF 4 BPM ending pressure @ 1300 PSI			

RATE SAME R.V. TO 9 3/8 SURFACE CSS & TANGIBLE ITEMS CHARGED TODAY:
 Pumped @ 25 BBL 10th BRIAN AT RATE OF
 3 1/2 BPM AT @ 80 PSI, WELL ON VAG.

6 PM S.O.F.M.

Attention:
Jim McQuillen

ROSEWOOD RESOURCE INC.

UTAH

DATE: Oct 13, 1997
 LEASE: Rock House
 WELL: #13A
 SUPERVISOR: DANNY WIDNER - JIM McQUILLEN
 ACTIVITY AT REPORT TIME: RIH w/ 2 7/8 TBS CONTINUE P&A

HOURS ACTIVITY LAST 24 HOURS COMPLETION / WORKOVER COSTS
 (6:00 A.M. TO 6:00 P.M.)

		DAILY	CUM
7 AM 659 PRESSURE @ 75 PSI TBS ON	LOCATION		
VAC. CONTINUE RIH w/ 12-ITS 2 7/8 TBS	RIG	2135	5460
116-ITS TOTAL P.W. 2-10' x 2 7/8 TBS SUB	CHEMICALS		
COIT & CSS SCRAPER TO @ 3674' DOOH L&A	LOGGING		
DOWN TBS SUBS & 2-ITS 2 7/8 TBS COIT	PERF		
@ 3591' R.O. PUMP & HOT OIL TRUCK TO CIRC. HOLE	FISHING TOOLS		
CLEAN W/WTR, NOTE HAD @ 300 GALS WTR ARE-	WATER	555	1078
HEATED TO @ 150° RECEIVED A PHONE CALL THAT	RENTALS	221	1097
@ 75 GALS CONDENSAT HAD BEEN HAULED TO	TRUCKING	553	1583
FRAC TANK & WAS HEATED W/WTR UNKNOWN	STIMULATION		
TO RIG SUPERVISOR, FILLED HOLE W/ @ 110 GALS	MISC. LABOR		
WTR FILLED HOT OIL TRUCK W/ 75 GALS & MOVED	ADLER HOT OIL	1504	2362
OFF LOCATION LOWER FLUID LEVEL IN FRAC	SUPERVISION		
TANK, WAITED @ 4 HRS ON WTR TRUCK TO			
REMOVE CONDENSAT. CONTINUE CIRC. HOLE	TOTALS	4968	11,580
FOR @ 2 HRS USING RIG PUMP & HOT OIL TRUCK			
DOOH W/ 116-ITS TBS TOTAL & 7" CSS SCRAPER	TANGIBLES	1395	1395
R.O. SCHLUMBERGER TO SET FIRST 7" CIBP			
@ 3650' & DUMBAILED BSX @ 42' CMT			
ON TOP OF PLUG SET SEC' CIBP @ 3700'	TOTAL COST	69363	12,975
R.O. SCHLUMBERGER WIRE LINE			

6 PM S.O. FIN.

TANGIBLE ITEMS CHARGED TODAY:

MOUNTAIN STATES OIL TOOL = 2-7" x 26" CIBP 1395

Attention
Jim McQuillen

BARRETT RESOURCES CORP.
UTAH

DATE: 10-9-97
 LEASE: Rock House
 WELL: 13A
 SUPERVISOR: DANNY WIDNER - Jim McQuillen
 ACTIVITY AT REPORT TIME: Flushing Rod's & Laying down

HOURS **ACTIVITY LAST 24 HOURS** **COMPLETION / WORKOVER COSTS**
 (6:00 A.M. TO 6:00 P.M.)

		DAILY	CUM
7AM moved Rig FROM Rock House	LOCATION		
#19 TO LOCATION MERU, waited on	RIG	1350	1350
equipment, RW pump & lines,	CHEMICALS		
	LOGGING		
1 PM S.O.F.W.	PERF		
	FISHING TOOLS		
	WATER	110	110
	RENTALS	395	395
	TRUCKING	1030	1030
	STIMULATION		
	MISC. LABOR		
	SUPERVISION		
	TOTALS	2885	2885
	TANGIBLES		
	TOTAL COST	2885	2885

TANGIBLE ITEMS CHARGED TODAY:

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells.
Use APPLICATION FOR PERMIT TO DRILL OR DEEPEN form for such proposals.

5. Lease Designation and Serial Number:

UTU-0779

6. If Indian, Allocated or Tribe Name:

7. Unit Agreement Name:

8. Well Name and Number:

Rockhouse 13A

9. API Well Number:

43-047-32753

10. Field and Pool, or Wildcat:

Rockhouse (Green River)

1. Type of Well: OIL GAS OTHER:

2. Name of Operator:
Rosewood Resources Inc.

3. Address and Telephone Number:
100 Crescent Ct. Ste 500 Dallas, Tx 75201 (214) 871-5700

4. Location of Well
Footages: 1958FNL 1279FWL

County: Uintah

QQ, Sec., T., R., M.: SWNW Sec. 10 T11S R23E

State: Utah

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

NOTICE OF INTENT
(Submit in Duplicate)

- Abandon
- Repair Casing
- Change of Plans
- Convert to Injection
- Fracture Treat or Acidize
- Multiple Completion
- Other _____
- New Construction
- Pull or Alter Casing
- Recomplete
- Reperforate
- Vent or Flare
- Water Shut-Off

Approximate date work will start _____

SUBSEQUENT REPORT
(Submit Original Form Only)

- Abandon *
- Repair Casing
- Change of Plans
- Convert to Injection
- Fracture Treat or Acidize
- Other _____
- New Construction
- Pull or Alter Casing
- Reperforate
- Vent or Flare
- Water Shut-Off

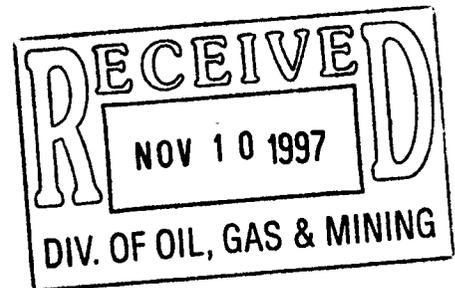
Date of work completion 10/16/97

Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION REPORT AND LOG form.

* Must be accompanied by a cement verification report.

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Attached is BLM 3160-S form, daily reports and cement job detail sheets.



13. Name & Signature: [Signature] Title: Lead Engr. Date: 11/4/97

(This space for State use only)