

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK <b>DRILL</b> <input type="checkbox"/> <b>DEEPEN</b> <input type="checkbox"/> <b>PLUG BACK</b> <input type="checkbox"/>			5. LEASE DESIGNATION AND SERIAL NO. U-66408
b. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input type="checkbox"/> MULTIPLE ZONE <input checked="" type="checkbox"/>			6. IF INDIAN, ALLOTTEE OR TRIBE NAME
2. NAME OF OPERATOR Freedom Energy, Inc.			7. UNIT AGREEMENT NAME
3. ADDRESS OF OPERATOR 1050 - 17th St., Suite #710, Denver, Co 80265      303-592-3022			8. FARM OR LEASE NAME Hanging Rock Federal H
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*) At surface 623' FSL, 725' FWL, SW1/4, SW1/4, Sec. 25, T11S, R23E At proposed prod. zone			9. WELL NO. 25-13
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 18.4 MILES SOUTH OF BONANZA, UT			10. FIELD AND POOL, OR WILDCAT
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any)	623'	16. NO. OF ACRES IN LEASE 10,092.71	11. SEC., T., R., M., OR BLK. AND SUBVEY OR AREA SEC. 25, T 11 S, R 23 E.
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.	5280'	17. NO. OF ACRES ASSIGNED TO THIS WELL 40	12. COUNTY OR PARISH UINTAH
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 5712'		20. ROTARY OR CABLE TOOLS ROTARY	13. STATE UT
			22. APPROX. DATE WORK WILL START* March 15, 1997

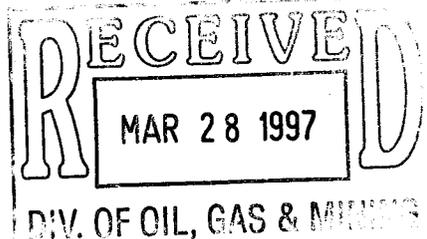
PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/4	9 5/8	36	300	TO SURFACE
7 7/8	4 1/2	11.6	T.D.	CMT TOP TO COVER THE OIL SHALE

OPERATOR REQUESTS PERMISSION TO DRILL THE SUBJECT WELL  
PLEASE SEE THE ATTACHED 10 POINT AND THE 13 POINT SURFACE  
USE PLAN.

IF YOU REQUIRE ADDITIONAL INFORMATION PLEASE CONTACT:

WILLIAM A. RYAN  
350 S., 800 E.  
VERNAL, UTAH  
801-789-0968  
801-823-6152



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 William A. Ryan TITLE PETROLEUM ENGINEER DATE Feb. 21, 1997

(This space for Federal or State office use)

PERMIT NO. 43-047-32852 APPROVAL DATE \_\_\_\_\_

APPROVED BY John R. Boye TITLE Petroleum Engineer DATE 4-3-97

CONDITIONS OF APPROVAL, IF ANY:

\*See Instructions On Reverse Side

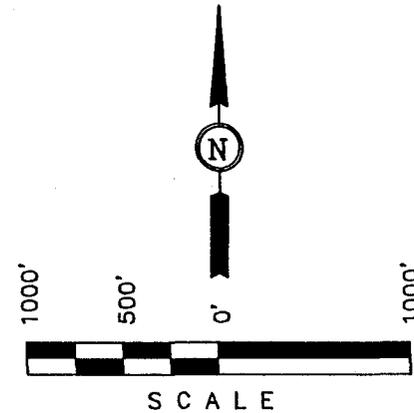
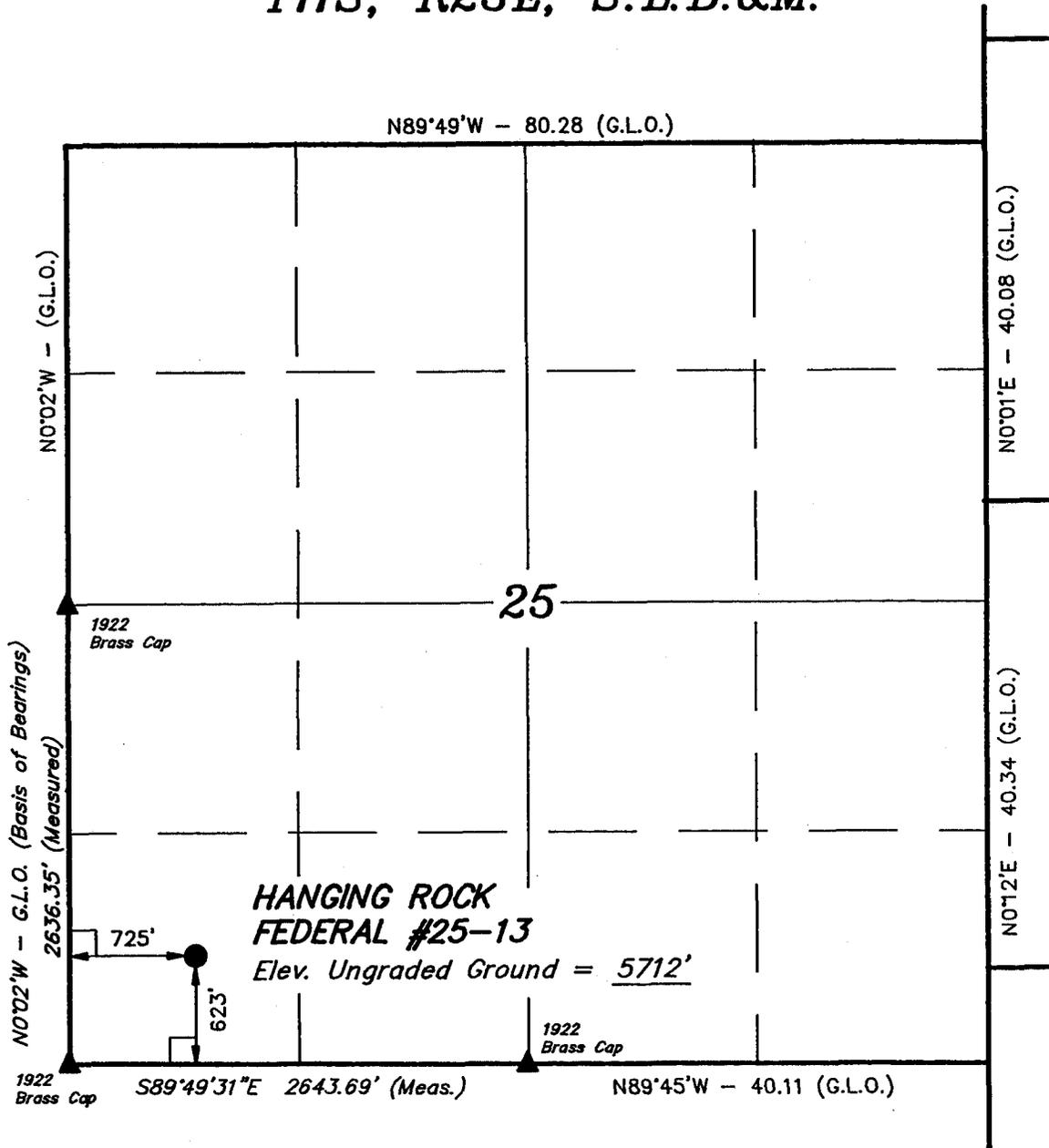
# T11S, R23E, S.L.B.&M.

**FREEDOM ENERGY, INC.**

Well location, HANGING ROCK FEDERAL, #25-13 located as shown in the SW 1/4 SW 1/4 of Section 25, T11S, R23E, S.L.B.&M. Uintah County Utah.

### BASIS OF ELEVATION

BENCH MARK 87EAM LOCATED IN THE SW 1/4 OF SECTION 1, T12S, R23E, S.L.B.&M. TAKEN FROM THE RED WASH SE. QUADRANGLE, UTAH, UINTAH COUNTY, 7.5 MINUTE QUAD. (TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 5887 FEET.



### CERTIFICATE

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

*Robert L. Kay*  
 REGISTERED LAND SURVEYOR  
 REGISTRATION NO. 16319  
 STATE OF UTAH

**UINTAH ENGINEERING & SURVEYING**  
 85 SOUTH 200 EAST - VERNAL, UTAH 84078  
 (801) 789-1017

### LEGEND:

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

SCALE 1" = 1000'	DATE SURVEYED: 3-14-95	DATE DRAWN: 3-15-95
PARTY J.K. N.H. D.R.B.	REFERENCES G.L.O. PLAT	
WEATHER WARM-CLEAR	FILE FREEDOM ENERGY, INC.	

## SELF-CERTIFICATION STATEMENT

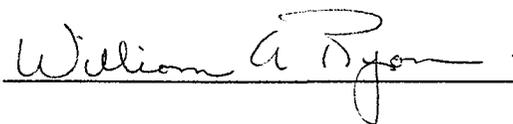
The following self-certification statement is provided per Federal requirements dated June 15, 1988.

Please be advised that Freedom Energy, Inc., is considered to be the operator of the following well.

Hanging Rock Federal H 25-13  
SW 1/4, SW 1/4, Section 25, T 11 S, R 23 E  
Lease U-  
Uintah County, Utah

Freedom Energy, Inc., is responsible under the terms and conditions of the lease for the operations conducted upon the lease lands.

Bond coverage is provided by Certificate of Deposit, BLM Bond #UT-1030.



William A. Ryan  
Agent  
Rocky Mountain Consulting  
350 S. 800 E.  
Vernal UT 84078  
801-789-0968 Office  
801-823-6152 Cell  
801-789-0970 Fax

## Ten Point Plan

Freedom Energy, Inc.  
Hanging Rock Federal H  
25-13

Surface Location SW 1/4, SW 1/4, Section 25, T 11 S, R 23 E

### 1. Surface Formation:

Green River

### 2. Estimated Formation Tops and Datum:

<u>Formation</u>	<u>Depth</u>	<u>Datum</u>
Green River	Surface	5,940' G.L.
Oil Shale	500	5,491
Wasatch	2,632	3,279
Mesaverde formation	4,232	1,679
T.D.	5,000	940

### 3. Producing Formation Depth:

Formation objective include the Wasatch and its submembers.

Off Set Well Information:

Off set well:

Gas well 24-13      Section 24, T11S, R23E

### 4. Proposed Casing :

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

Cement Program:

<u>Casing Size</u>	<u>Cement Type</u>	<u>Cement Amount</u>	<u>Cement Yield</u>	<u>Cement Weight</u>
9 5/8	Class "G" 2% Calcium 1/4 #/sk cello flake	200 sks.	1.18 cu. ft./sk.	15.6 lbs./gal.
4 1/2	Lead Class "G" 3 % salt 16% gell 10# Gilsonite/sk	200 sks	3.90 cu. ft./sk.	11.0 lbs./gal.
	Tail Class "G" 10% salt 10% gypsum 2% WR15 .4 lbs/sk FL 25	500 sks +/-	1.53 cu. ft./sk.	14.8 lbs./gal.

**5. BOP and Pressure Containment Data:**

The anticipated bottom hole pressure will be less than 2000 psi.

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

**6. Mud Program:**

<u>Interval</u>	<u>Mud weight lbs/gal.</u>	<u>Viscosity Sec./Qt.</u>	<u>Fluid Loss MI/30 Mins.</u>	<u>Mud Type</u>
0-300	Air/Clear Water	----	No Control	Water/Gel
300-2000	Clear Water	----	No Control	Water/Gel
2000-T.D.	8.4-8.6	30	No Control	Water/Gel

**7. Auxiliary Equipment:**

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

**8. Testing, Coring, Sampling and Logging:**

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

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

**9. Abnormalities (including sour gas):**

No abnormal pressures, temperatures or other hazards are anticipated. Oil and gas shows are anticipated in the Wasatch Formation. Other wells drilled in the area have not encountered over pressured zones or H<sub>2</sub>S.

**10. Drilling Schedule:**

The anticipated starting date is March 15, 1997. Duration of operations expected to be 30 days.



**FREEDOM ENERGY, INC.**

**13 POINT SURFACE USE PLAN**

**FOR WELL**

**CRUISER FEDERAL H**

**25-13**

**LOCATED IN**

**SW 1/4, SW 1/4**

**SECTION 25, T 11 S, R 23 E, S.L.B.&M.**

**UINTAH COUNTY, UTAH**

**LEASE NUMBER: U-**

**SURFACE OWNERSHIP: FEDERAL**

## 1. Existing Roads

To reach the Freedom Energy Inc., Hanging Rock Federal H 31-15 well location, in Section 35, T 11 S, R 23 E, from Bonanza, Utah:

Starting in Bonanza, Utah proceed south on the paved road for 4 miles. Turn south (left) on the Book cliffs road (dirt road). Proceed south 3.9 miles to the Greeks Corrals. Turn west (right) at the fork in the road. Proceed 8.3 miles to the Asphalt Wash sign. Stay to the south (left) of the sign. Proceed .7 miles to the Rainbow sign. Stay to the west (right) of the sign. This is also called the Kings Wells road. Proceed 7.8 miles to the "Y" in the road. Stay right. Proceed .5 miles and turn right (north). Proceed 1.5 miles to the proposed location and access road..

All roads to the proposed access road are State or County maintained roads.

Please see the attached map for additional details.

## 2. Planned access road

Approximately 600 feet of new road construction will be required.

The proposed road has been staked.

The road will be built to the following standards:

A) Approximate length	600 Ft.
B) Right of Way width	30 Ft.
C) Running surface	18 Ft.
D) Surfacing material	Native soil
E) Maximum grade	8%
F) Fence crossing	None
G) Culvert	None
H) Turnouts	None
I) Major cuts and fills	None
J) Road flagged	Yes
K) Access road surface ownership	Federal and State of Utah school trust lands
L) All new construction on lease	Yes

Newly constructed roads will be built using native soils from borrow pits on either or both sides of the road. The road will be crowned and ditched. Ditches will be

constructed along either side where it is determined necessary to handle run off and minimize the possibility of erosion.

Please note: The proposed access road will cross the wash in the bottom of West Fork Asphalt Wash. The access road will be constructed where the wash wall is made off rock. The dirt contractor will contact the BLM before road construction is started.

Please see the attached location plat for additional details.

No right of way will be required. Access from the Uintah County road will be on lease.

All travel will be confined to existing access road right of ways.

Access road and surface disturbing activities will conform to standards outlined in the USGS publication (1978) surface operating standards for oil and gas development.

### 3. Location of existing wells

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

#### A) Producing wells

Gas well 24-13	Section 24, T11S, R23E
----------------	------------------------

#### B) Water wells

None

#### C) Abandoned wells

None

#### D) Temporarily abandoned wells

None

#### E) Disposal wells

None

#### F) Drilling wells

None

#### G) Shut in wells

None

#### H) Injection wells

None

#### I) Monitoring or observation wells

None

Please see the attached map for additional details.

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

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

All permanent (on site for more than six months or longer) structures constructed or installed will be painted a desert brown color. Facilities required to comply with O.S.H.A. (Occupational Safety and Health Act) will be excluded. The required paint color is Desert Brown (10 YR 6/4).

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

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

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

##### **A. Pipe Line**

A proposed surface gas line has been staked on the ground (yellow flagging). The proposed line is approximately 600 feet long. The line will be constructed west of the proposed location. The line will tie in to a proposed tap in a 8" line. There will be no additional surface disturbances required for the installation of a gathering line. The line will be a 2 or 4" steel line. The line will be welded on the pad. After welding the line will be pulled with a small cat to the tie in.

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

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

## 5. Location and type of water supply

Water for drilling and cementing the subject well will be hauled by truck from Evacuation Creek permit # 49-1595. The distribution point is in Section 7, T11S, R25E. A second location may be used it would be United Utilities water station in Section 13, T11S, R23E. Water for completion will come from the same supply or Vernal City.

## 6. Source of construction materials

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

## 7. Methods for handling waste disposal

### A) Pit construction and liners:

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

**The reserve pit will not be lined.** Unless the pit is blasted or soil conditions warrant a pit liner.

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

### B) Produced fluids:

Produced water will be confined to the reserve pit, or if deemed necessary, a storage tank for a period not to exceed 90 days after initial production. During the 90 day period an application for approval for a permanent disposal method and location will be submitted to the authorized officer.

### C) Garbage:

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

D) Sewage:

A portable chemical toilet will be supplied for human waste.

E) Site clean-up

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

**8. Ancillary facilities**

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

**9. Well-site layout**

Location dimensions are as follow:

A)	Pad length	325 ft.
B)	Pad width	155 ft.
C)	Pit depth	10 ft.
D)	Pit length	150 ft.
E)	Pit width	50 ft.
F)	Max cut	23.0 ft.
G)	Max fill	8.5 ft.
H)	Total cut yds	7,900 cu. yds.
I)	Pit location	east side
J)	Top soil location	west and south side
K)	Access road location	north end
L)	Flare pit	south west corner

Please see the attached location diagram for additional details.

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

- A) Thirty nine inch net wire shall be used with at least one strand of wire on top of the net wire. Barbed wire is not necessary if pipe or some type of reinforcement rod is attached to the top of the entire fence.
- B) The net wire shall be no more than 2 inches above the ground. The barbed wire shall be 3 inches above the net wire. Total height of the fence shall be at least 42 inches.

- C) Corner posts shall be cemented and/or braced in such a manner to keep the fence tight at all times.
- D) Standard steel, wood or pipe posts shall be used between the corner braces. Maximum distance between any two posts shall be no greater than 16 ft.
- E) All wire shall be stretched by using a stretching device before it is attached to the corner posts.

#### **10. Plans for restoration of the surface**

Prior to construction of the location, the top 6 inches of soil material will be stripped and stockpiled. This will amount to approximately 1,000 cubic yards of material. Placement of the top soil is noted on the attached location plat. When all drilling and completion activities have been completed the unused portion of the location (the area outside the dead men.) will be recontoured and the topsoil spread over the disturbed area.

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

Any drainage rerouted during the construction activities shall be restored to its original line of flow or as near as possible.

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

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

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

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

A) Seeding dates:

After September 15, and before the ground freezes.

Seed will be broadcast or drilled at the time specified by the BLM. If broadcast, a harrow or some other implement will be dragged over the seeded area to assure seed coverage and the seed mixture will be proportionately larger (double the lbs. per acre).

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

**11. Surface ownership:**

Access road	Federal and State of Utah
Location	Federal
Pipe line	Federal and State of Utah

The State of Utah School Trust Lands has been contacted and arrangements have been made for access on the State School Trust Lands.

**12. Other information**

A) Vegetation:

The vegetation coverage is slight. The majority of the existing vegetation consists of sage brush. Rabbit brush, bitter brush and indian rice grass are also found on the location.

B) Dwellings:

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

C) Archeology:

The location has been surveyed, The report should be in your office.

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

D) Water:

The nearest water is in the bottom of the West Fork Asphalt Wash located 2 miles to the north.

E) Chemicals:

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

F) Notification:

a) Location construction

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

b) Location completion

Prior to moving on the drilling rig.

c) Spud notice

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

d) Casing string and cementing

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

e) BOP and related equipment tests

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

f) First production notice

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

H) Flare pit

The flare pit will be located a minimum of 30 feet from the reserve pit fence and 100 feet from the bore hole on the south and east side of the location, between points 5 and 6 on the location plat. All fluids will be removed from the pit within 48 hours of occurrence.

## 12. Lessees or Operator's representative and certification

### A) Representative

Name: William A. Ryan

Address: Rocky Mountain Consulting  
350 South, 800 East  
Vernal, Utah 84078

Telephone:  
Office 801-789-0968  
Fax 801-789-0970  
Cellular 801-823-6152

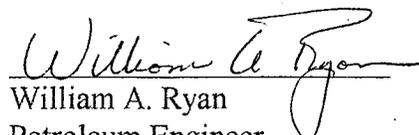
All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws, regulations, onshore oil and gas orders, the applicable laws, regulations, and any applicable notices to lessees. The operator is fully responsible for the actions of his subcontractors. A copy of these conditions will be furnished to the field representative to ensure compliance.

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

### B) Certification

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

Date Feb. 21, 1997

  
William A. Ryan  
Petroleum Engineer  
Rocky Mountain Consulting

Onsite Date:

January 28, 1997

Participant on joint inspection:

William Ryan

Rocky Mountain Consulting

Byron Tolman

BLM

Steve Matsen

BLM

Steve Strong

BLM

### Statement of use of Hazardous Material

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

If you require additional information please contact:

William A Ryan  
Agent for Freedom Energy  
Rocky Mountain Consulting  
350 S. 800 E.  
Vernal Utah, 84078

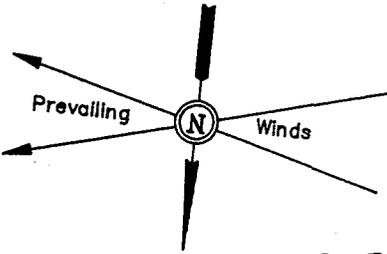
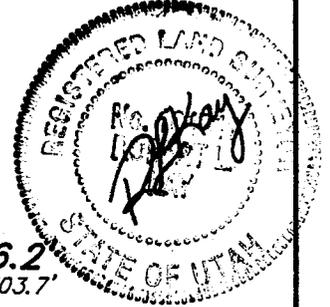
Telephone  
(801) 789-0968 office  
(801) 823-6152 cellular  
(801) 789-0970 fax

# FREEDOM ENERGY, INC.

## LOCATION LAYOUT FOR

HANGING ROCK FEDERAL #25-13  
SECTION 25, T11S, R23E, S.L.B.&M.

623' FSL 725' FWL



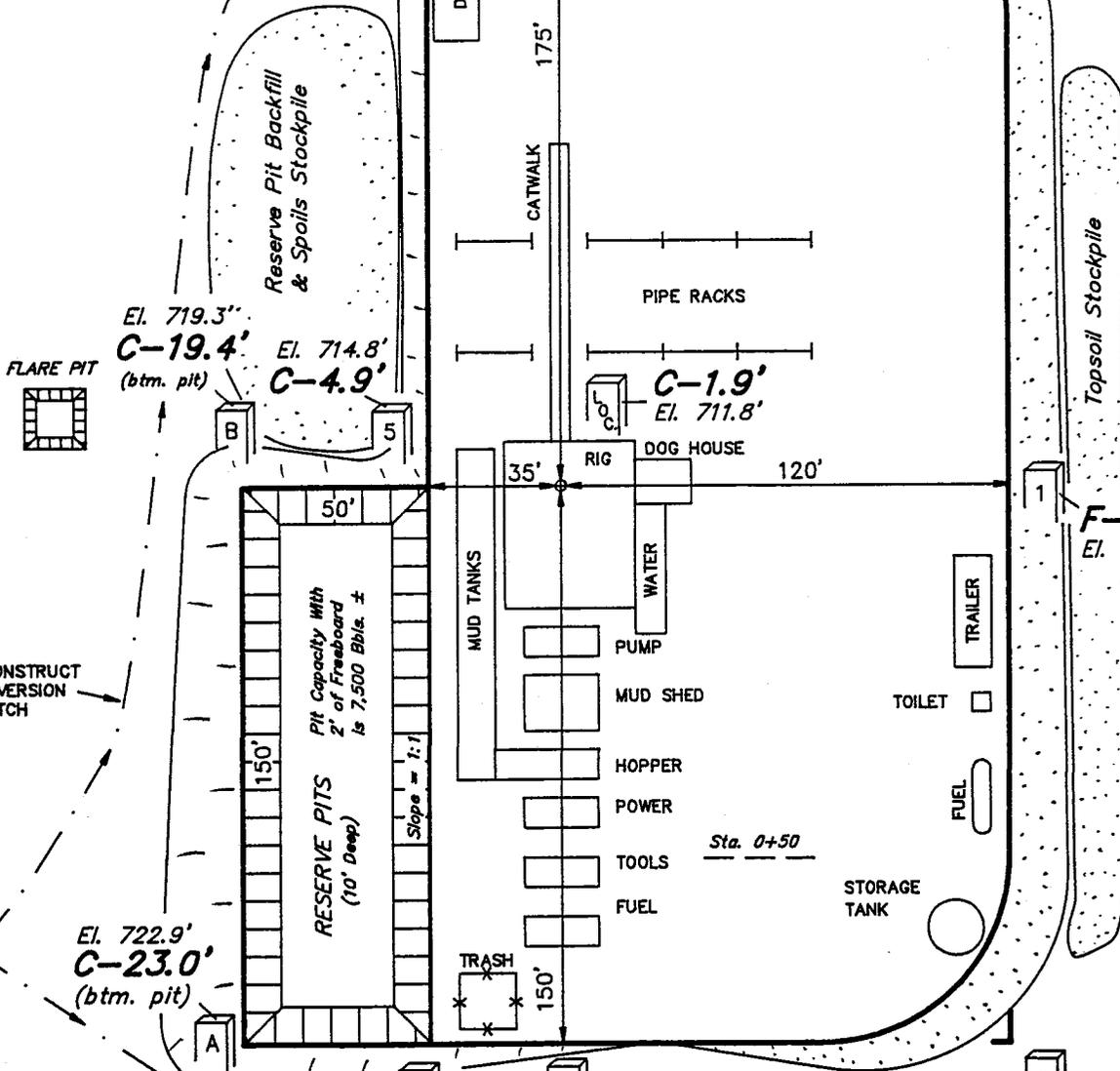
SCALE: 1" = 50'  
DATE: 3-15-95  
Drawn By: D.R.B.

Sta. 3+25

Approx.  
Toe of  
Fill Slope

Approx.  
Top of  
Cut Slope

Round Corners  
as needed



Sta. 1+50

F-7.6'  
El. 702.3'

Sta. 0+50

Sta. 0+00

F-8.5'  
El. 701.4'

C-7.0'  
El. 716.9'

C-2.4'  
El. 712.3'

El. 722.9'  
C-23.0'  
(btm. pit)

El. 719.3'  
C-19.4'  
(btm. pit)

El. 714.8'  
C-4.9'

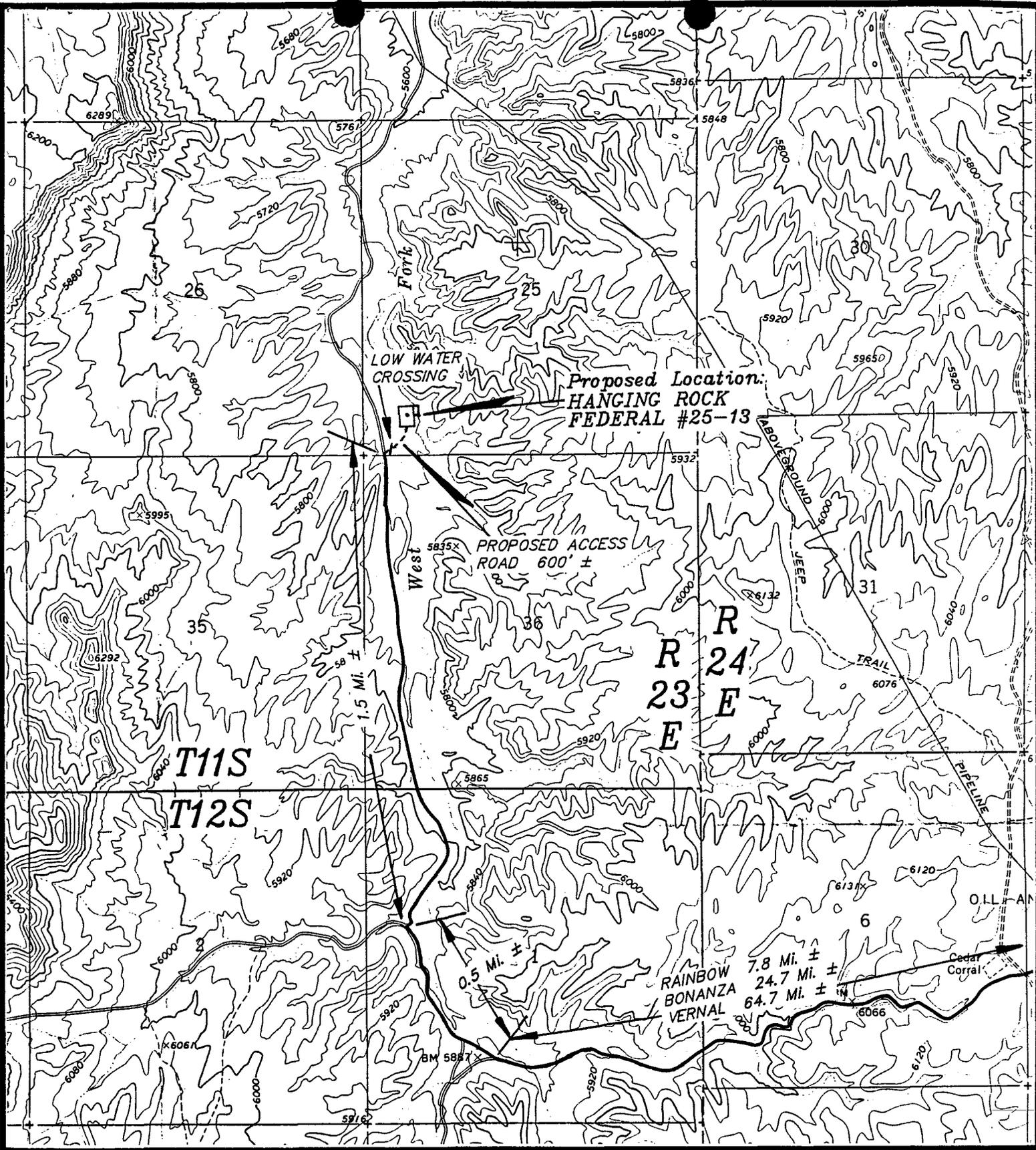
C-2.5'  
El. 712.4'

C-5.6'  
El. 715.5'

F-6.2'  
El. 703.7'

Elev. Ungraded Ground at Location Stake = 5711.8'

Elev. Graded Ground at Location Stake = 5709.9'



TOPOGRAPHIC

MAP "B"

SCALE: 1" = 2000'

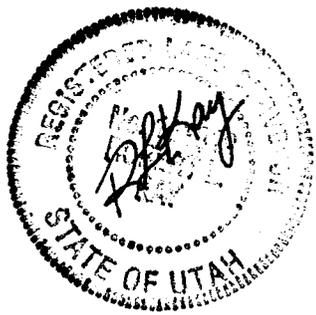
DATE: 3-15-95 C.B.T.



FREEDOM ENERGY, INC.

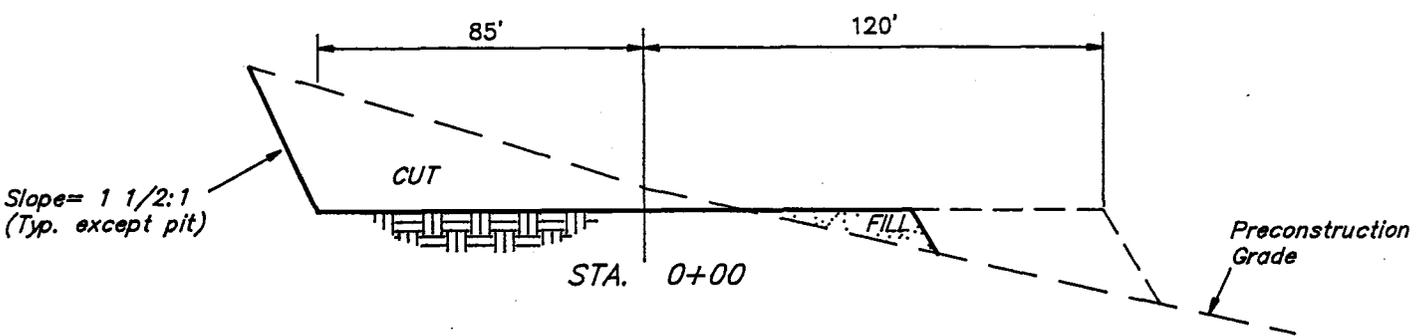
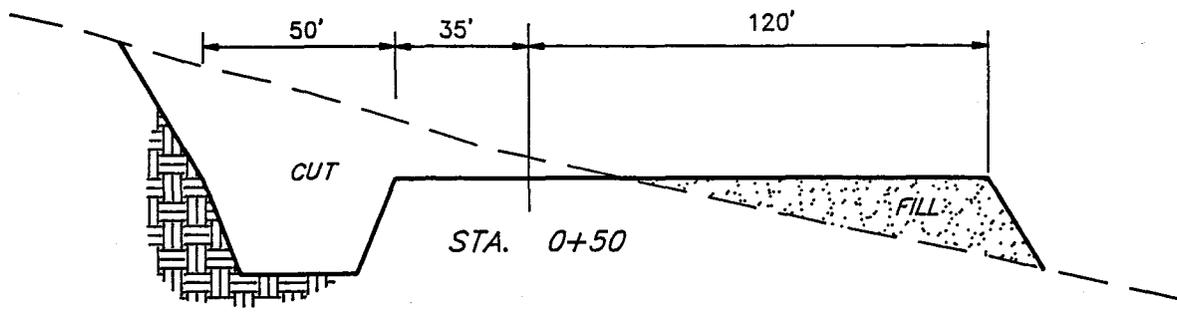
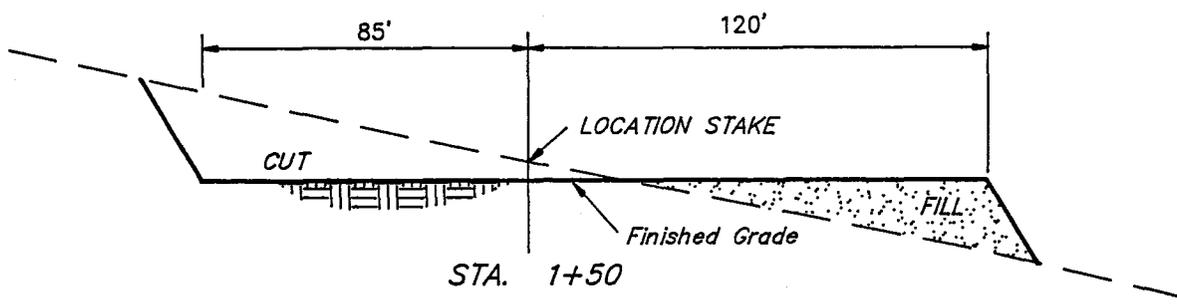
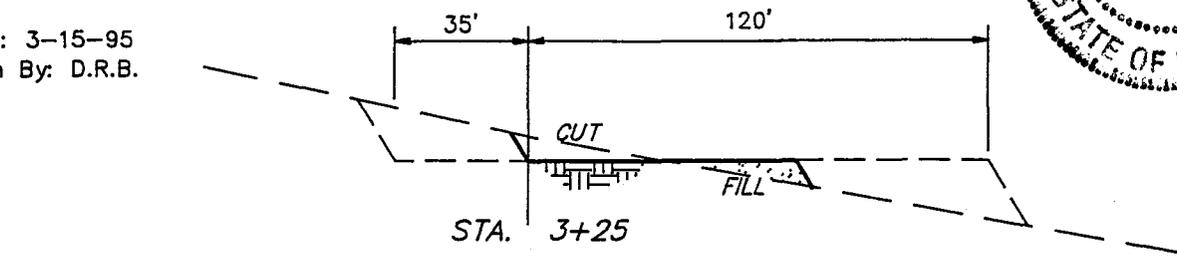
HANGING ROCK FEDERAL #25-13  
 SECTION 25, T11S, R23E, S.L.B.&M.  
 623' FSL 725' FWL

**FREEDOM ENERGY, INC.**  
**TYPICAL CROSS SECTIONS FOR**  
**HANGING ROCK FEDERAL #25-13**  
**SECTION 25, T11S, R23E, S.L.B.&M.**  
**623' FSL 725' FWL**



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

DATE: 3-15-95  
 Drawn By: D.R.B.

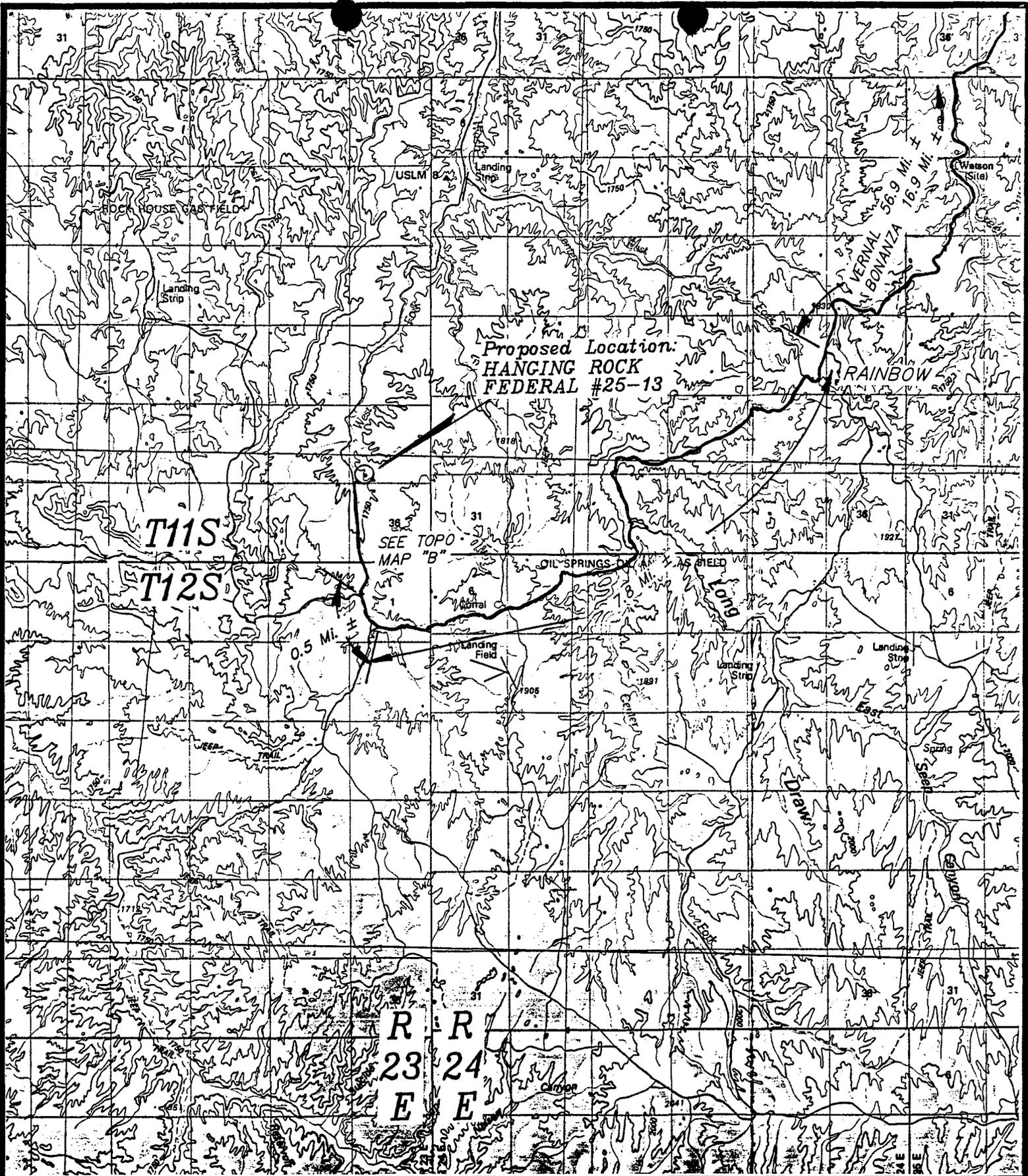


**APPROXIMATE YARDAGES**

(6") Topsoil Stripping	= 1,070 Cu. Yds.
Remaining Location	= 6,830 Cu. Yds.
<b>TOTAL CUT</b>	<b>= 7,900 CU.YDS.</b>
<b>FILL</b>	<b>= 5,490 CU.YDS.</b>

EXCESS MATERIAL AFTER 5% COMPACTION	= 2,120 Cu. Yds.
Topsoil & Pit Backfill (1/2 Pit Vol.)	= 2,120 Cu. Yds.
EXCESS UNBALANCE (After Rehabilitation)	= 0 Cu. Yds.

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



TOPOGRAPHIC  
 MAP "A"

DATE: 3-15-95 C.B.T.



FREEDOM ENERGY, INC.

HANGING ROCK FEDERAL #25-13  
 SECTION 25, T11S, R23E, S.L.B.&M.  
 623' FSL 725' FWL

WORKSHEET  
APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 03/28/97

API NO. ASSIGNED: 43-047-32852

WELL NAME: HANGING ROCK FEDERAL H 25-13  
OPERATOR: FREEDOM ENERGY INC (N3285)

PROPOSED LOCATION:  
SWSW 25 - T11S - R23E  
SURFACE: 0623-FSL-0725-FWL  
BOTTOM: 0623-FSL-0725-FWL  
UINTAH COUNTY  
UNDESIGNATED FIELD (002)

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

LEASE TYPE: FED  
LEASE NUMBER: U - 66408

PROPOSED PRODUCING FORMATION: WSTC

RECEIVED AND/OR REVIEWED:

- Plat
- Bond: Federal  State  Fee   
(Number 47 1030)
- Potash (Y/N)
- Oil shale (Y/N)
- Water permit  
(Number 49-1595)
- RDCC Review (Y/N)  
(Date: \_\_\_\_\_)

LOCATION AND SITING:

- R649-2-3. Unit: HANGING ROCK
- R649-3-2. General.
- R649-3-3. Exception.
- Drilling Unit.  
Board Cause no: \_\_\_\_\_  
Date: \_\_\_\_\_

COMMENTS: \_\_\_\_\_

STIPULATIONS: \_\_\_\_\_

OPERATOR: FREEDOM ENERGY (N3285)  
FIELD: UNDESIGNATED (N002)  
SEC, TWP, RNG: 25,35,31,1 T11 & 12S, R23 & 24 E  
COUNTY: UINTAH  
UAC: R649-3-2



PREPARED:  
DATE: 31 -MAR-97



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

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

April 3, 1997

Freedom Energy, Inc.  
1050 17th Street, Suite 710  
Denver, Colorado 80265

Re: Hanging Rock Federal H 25-13 Well, 623' FSL, 725' FWL,  
SW SW, Sec. 25, 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 43-047-32852.

Sincerely,

*Lowell P. Braxton*  
Lowell P. Braxton  
Deputy Director

lwp

Enclosures

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

Operator: Freedom Energy, Inc.  
Well Name & Number: Hanging Rock Federal H 25-13  
API Number: 43-047-32852  
Lease: U-66408  
Location: SW SW Sec. 25 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)538-5336.

Notify the Division prior to commencing operations to plug and abandon the well. Contact John R. Baza (801)538-5334 or Mike Hebertson at (801) 538-5333.

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.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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  
 Freedom Energy, Inc.

3. ADDRESS OF OPERATOR  
 1050 - 17th St., Suite #710, Denver, Co 80265      303-592-3022

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.\*)  
 At surface  
 623' FSL, 725' FWL, SW1/4, SW1/4, Sec. 25, T11S, R23E  
 At proposed prod. zone

5. LEASE DESIGNATION AND SERIAL NO.  
 U-66408

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME  
 Hanging Rock Federal H

9. WELL NO.  
 25-13

10. FIELD AND POOL, OR WILDCAT

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
 SEC. 25, T 11 S, R 23 E.

12. COUNTY OR PARISH  
 Uintah

13. STATE  
 UT

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE  
 18.4 MILES SOUTH OF BONANZA, UT

15. DISTANCE FROM PROPOSED\* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drig. unit line, if any)  
 623'

16. NO. OF ACRES IN LEASE  
 10,092.71

17. NO. OF ACRES ASSIGNED TO THIS WELL  
 40

18. DISTANCE FROM PROPOSED LOCATION\* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.  
 5280'

19. PROPOSED DEPTH  
 5000'

20. ROTARY OR CABLE TOOLS  
 ROTARY

21. ELEVATIONS (Show whether DF, RT, GR, etc.)  
 5712'

22. APPROX. DATE WORK WILL START\*  
 March 15, 1997

**CONFIDENTIAL**

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT TO SURFACE
12 1/4	9 5/8	36	300	TO SURFACE
7 7/8	4 1/2	11.6	T.D.	CMT TOP TO COVER THE OIL SHALE

OPERATOR REQUESTS PERMISSION TO DRILL THE SUBJECT WELL PLEASE SEE THE ATTACHED 10 POINT AND THE 13 POINT SURFACE USE PLAN.

IF YOU REQUIRE ADDITIONAL INFORMATION PLEASE CONTACT:

WILLIAM A. RYAN  
 350 S., 800 E.  
 VERNAL, UTAH  
 801-789-0968  
 801-823-6152

RECEIVED  
 APR 04 1997  
 DIV. OF OIL, GAS & MINING

RECEIVED  
 FEB 25 1997

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 William A. Ryan TITLE PETROLEUM ENGINEER DATE Feb. 21, 1997

(This space for Federal or State office use)

PERMIT NO. \_\_\_\_\_ APPROVAL DATE \_\_\_\_\_  
 APPROVED BY [Signature] TITLE Assistant Field Manager DATE APR 02 1997  
 CONDITIONS OF APPROVAL, IF ANY:

NOTICE OF APPROVAL

CONDITIONS OF APPROVAL ATTACHED

\*See Instructions On Reverse Side

CONDITIONS OF APPROVAL  
APPLICATION FOR PERMIT TO DRILL

Company/Operator: Freedom Energy, Inc.

Well Name & Number: Hanging Rock Federal H 25-13

API Number: 43-047-32852

Lease Number: U - 66408

Location: SWSW Sec. 25 T.11S R. 23E

**NOTIFICATION REQUIREMENTS**

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

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

## 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.

All lease and/or unit operations will be conducted in such a manner that full compliance is made with applicable laws, regulations (43 CFR 3100), Onshore Oil and Gas Orders, and the approved plan of operations. The operator is fully responsible for the actions of his subcontractors. A copy of these conditions will be furnished the field representative to insure compliance.

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.

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 zone, identified at 501 ft. If gilsonite is encountered while drilling, it shall be isolated and/or protected via the cementing program.

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 the top of the cement and shall be utilized to determine the bond quality for the production casing. Submit a field copy of the CBL to this office.

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 not later than 30 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3164. Two copies of all logs, core descriptions, core analyses, well-test data, geologic summaries, sample description, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, will be filed with Form 3160-4. Samples (cuttings, fluids, and/or gases) will be submitted when requested by the AO.

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.

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. A "Subsequent Report of Abandonment" Form 3160-5, will be filed with the AO within thirty (30) days following completion of the well for abandonment. This report will indicate where plugs were placed and the current status of surface restoration. 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

All loading lines will be placed inside the berm surrounding the tank battery.

All off-lease storage, off-lease measurement, or commingling onlease or off-lease will have prior written approval from the AO.

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 on initial 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.

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.

### **SURFACE USE PROGRAM**

-The reserve pit will be lined with a plastic nylon reinforced liner. The liner will be at least a 10 mil liner and bedded with sufficient 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 could puncture the liner will be disposed of in the pit. More stringent protective requirements may be deemed necessary by the A.O.

-The access road should be changed to follow the wash, then skirt the location on the west, then enter the location on the north side instead of the south side as shown on the original plate.

-The areas not needed for the production of the well will be recontoured and reseeded with four wing salt brush (5 lbs per acre), Western wheatgrass (6 lbs. per acre), and Yellow sweetclover (1 lb. per acre).

-The topsoil should be windrowed on the south end of the location instead of the west as shown on the plate.

TRANSACTION REPORT

P. 01

DEC-18-97 THU 03:30 PM

SEND (M)

DATE	START	RECEIVER	TX TIME	PAGES	TYPE	NOTE	M#	DP
DEC-18	03:29 PM	5318468	45"	1	SEND	( M) OK	037	
TOTAL					45S PAGES:	1		

Dec-17-97 01:06P Freedom Energy, Inc. 303-592-2988

P. 02



43-047-32852

December 17, 1997

Bureau of Land Management  
 324 South State Street  
 Salt Lake City, Utah 84111

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

Re: Release and Waiver of Confidentiality

Gentlemen:

Please be advised that Brent A. Bohman and other members of the law firm of Pruitt, Gushee & Bachtell are hereby authorized to review and copy any records in your possession pertaining to Freedom Energy, Inc.'s interests within Township 11 South, Ranges 22, 23, and 24 East, and Township 12 South, Ranges 23 and 24 East, in Uintah County. For purposes of this release and waiver of confidentiality, an executed facsimile copy of this letter should be



December 17, 1997

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Should you have any questions or concerns, please do not hesitate to contact me at (303)592-3022, ext. 303.

Very truly yours,

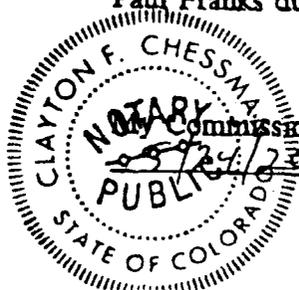
FREEDOM ENERGY, INC.

*Paul Franks*

Paul Franks  
Vice President

STATE OF COLORADO )  
 )  
 ) ss.  
COUNTY OF Denver )

On the 17<sup>th</sup> day of December, 1997, personally appeared before me, Paul Franks, and after being by me duly sworn did say that he is the Vice President of Freedom Energy, Inc. and that said instrument was signed on behalf of said corporation by authority of its by-laws and said Paul Franks duly acknowledged to me that said corporation executed the same.



*Clayton F. Chessman*  
Notary Public  
Residing at: Denver, CO

# Freedom Energy, Inc.

1050 17<sup>th</sup> Street, Suite 710, Denver, Colorado 80265

## FAX COVER SHEET

Date: 12-17-97

From: Paul Franks

Phone Number: (303) 592-3022 ext.

(303) 592-2988 FAX

To: Brent Bohman

Number of pages to follow: 1

Company: Pruitt, Gushier, Bachtel

Fax Number: 801-531-8468

Comments:

THIS FACSIMILE TRANSMISSION AND ANY ACCOMPANYING DOCUMENTS CONTAIN INFORMATION BELONGING TO THE SENDER WHICH MAY BE CONFIDENTIAL AND LEGALLY PRIVILEGED. THIS INFORMATION IS INTENDED ONLY FOR THE USE OF THE INDIVIDUAL OR ENTITY TO WHOM THIS FACSIMILE TRANSMISSION WAS SENT AS INDICATED ABOVE. IF YOU ARE NOT THE INTENDED RECIPIENT, ANY COPYING, DISCLOSURE, DISTRIBUTION OR ACTION ON THE INFORMATION CONTAINED HEREIN IS STRICTLY PROHIBITED. IF YOU HAVE RECEIVED THIS FACSIMILE TRANSMISSION IN ERROR, PLEASE CALL US TO ARRANGE FOR THE RETURN OF THE DOCUMENTS TO US AT OUR EXPENSE. THANK YOU.



December 17, 1997

Bureau of Land Management  
324 South State Street  
Salt Lake City, Utah 84111

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

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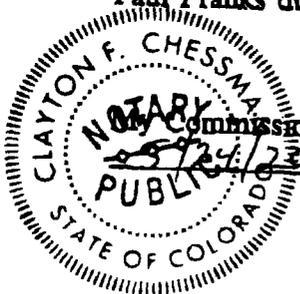
FREEDOM ENERGY, INC.

*Paul Franks*

Paul Franks  
Vice President

STATE OF COLORADO )  
COUNTY OF Denver ) ss.

On the 17<sup>th</sup> day of December, 1997, personally appeared before me, Paul Franks, and after being by me duly sworn did say that he is the Vice President of Freedom Energy, Inc. and that said instrument was signed on behalf of said corporation by authority of its by-laws and said Paul Franks duly acknowledged to me that said corporation executed the same.



*Clayton F. Chessman*  
Notary Public  
Residing at: Denver, CO

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 reenter a different reservoir.  
Use "APPLICATION FOR PERMIT -" for such proposals.

5. Lease Designation and Serial No.  
*U-66408*

6. If Indian, Allottee or Tribe Name  
*N/A*

7. If Unit or CA, Agreement Designation  
*UTU-73518X*

8. Well Name and No.  
*HANGING ROCK FED. H 25-13*

9. API Well No.  
*43-047-32852*

10. Field and Pool, or Exploratory Area  
*Wildcat*

11. County or Parish, State  
*Uintah County, Utah*

**SUBMIT IN TRIPLICATE**

1. Type of Well

Oil Well     Gas Well     Other

2. Name of Operator

*FREEDOM ENERGY, INC.*

3. Address and Telephone No.

*1050 17TH. ST. STE. 710 DENVER, CO. 80265 (303) 592-3022*

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

*623' FSL, 725' FWL, SW/SW SEC.25-T11S-R23E*

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

TYPE OF SUBMISSION

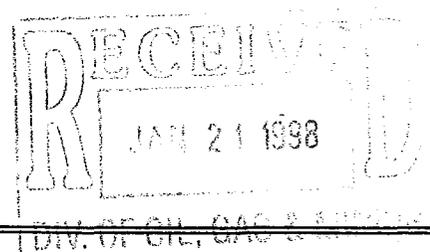
Notice of Intent  
 Subsequent Report  
 Final Abandonment Notice

TYPE OF ACTION

Abandonment  
 Recompletion  
 Plugging Back  
 Casing Repair  
 Altering Casing  
 Other CHANGE OF OPERATOR  
 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.)\*  
*Please be advised that Rosewood Resources, Inc., Ste. 500, 100 Crescent Court, Dallas, Texas, 75201, is considered to be the operator of the Hanging Rock Fed. H 25-13, SW/SW Sec.25-T11S-R23E; Lease # U-66408; Uintah County, Utah; and is responsible under the terms and conditions of the lease for the operations conducted upon the leased lands. Bond coverage is provided by Rosewood Resources, Inc. Bond # UT-0627*



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

Signed *Paul Franks* Title *Vice-President* Date *01/01/98*

(This space for Federal or State office use)

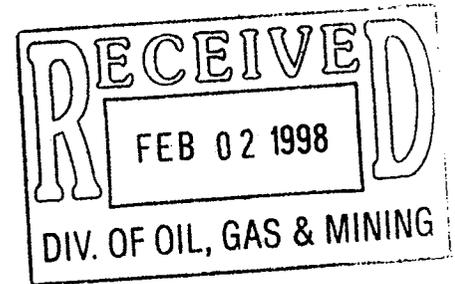
Approved by \_\_\_\_\_ Title \_\_\_\_\_ Date \_\_\_\_\_  
Conditions of approval, if any: \_\_\_\_\_

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



# 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

January 30, 1998

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

Re: Hanging Rock Unit  
Uintah County, Utah

Gentlemen:

On January 28, 1998, we received an indenture dated January 21, 1998, whereby Freedom Energy, Inc. resigned as Unit Operator and Rosewood Resources, Inc. was designated as Successor Unit Operator for the Hanging Rock 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 January 30, 1998. In approving this designation, the Authorized Officer neither warrants nor certifies that the designated party has obtained all required approval that would entitle it to conduct operations under Hanging Rock Unit Agreement.

Your nationwide (Montana) oil and gas bond No. 0627 will be used to cover all operations within the Hanging Rock 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/ Robert A. Henricks

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 - Hanging Rock Unit (w/enclosure)  
MMS - Data Management Division  
Agr. Sec. Chron  
Fluid Chron

U-931:TAThompson:tt:1/30/98

Well Status Report  
Utah State Office  
Bureau of Land Management

Lease	Api Number	Well Name	QTR	Section	Township	Range	Well Status	Operator
** Inspection Item: UTU73518A								
UTU66408	4304732603	HANGING ROCK 24-13	SWSW	24	T11S	R23E PGW		FREEDOM ENERGY INCORPORATED
** Inspection Item: UTU73518B								
UTU57455	4304732748	HANGING ROCK 12-4	NWNW	12	T12S	R23E PGW		FREEDOM ENERGY INCORPORATED
UTU66426	4304732751	HANGING ROCK 7-6	SESW	7	T12S	R24E PGW		FREEDOM ENERGY INCORPORATED
UTU57455	4304732679	HANGING ROCK I 1-16	SESE	1	T12S	R23E PGW		FREEDOM ENERGY INCORPORATED
UTU57455	4304732871	I 1-14	SESW	1	T12S	R23E PGW		FREEDOM ENERGY INCORPORATED
** Inspection Item: UTU73518X								
<del>UTU01252A</del>	<del>4304732854</del>	<del>HANGING ROCK 31-11</del>	<del>NESW</del>	<del>31</del>	<del>T11S</del>	<del>R24E ABD</del>		<del>FREEDOM ENERGY INCORPORATED</del> PA'd 5/97

\*980204 Change includes wells in drilling status (see attached list). BLM does not list them on this form; however change applies to these wells also. (per Terese Thompson/BLM) J  
Jec

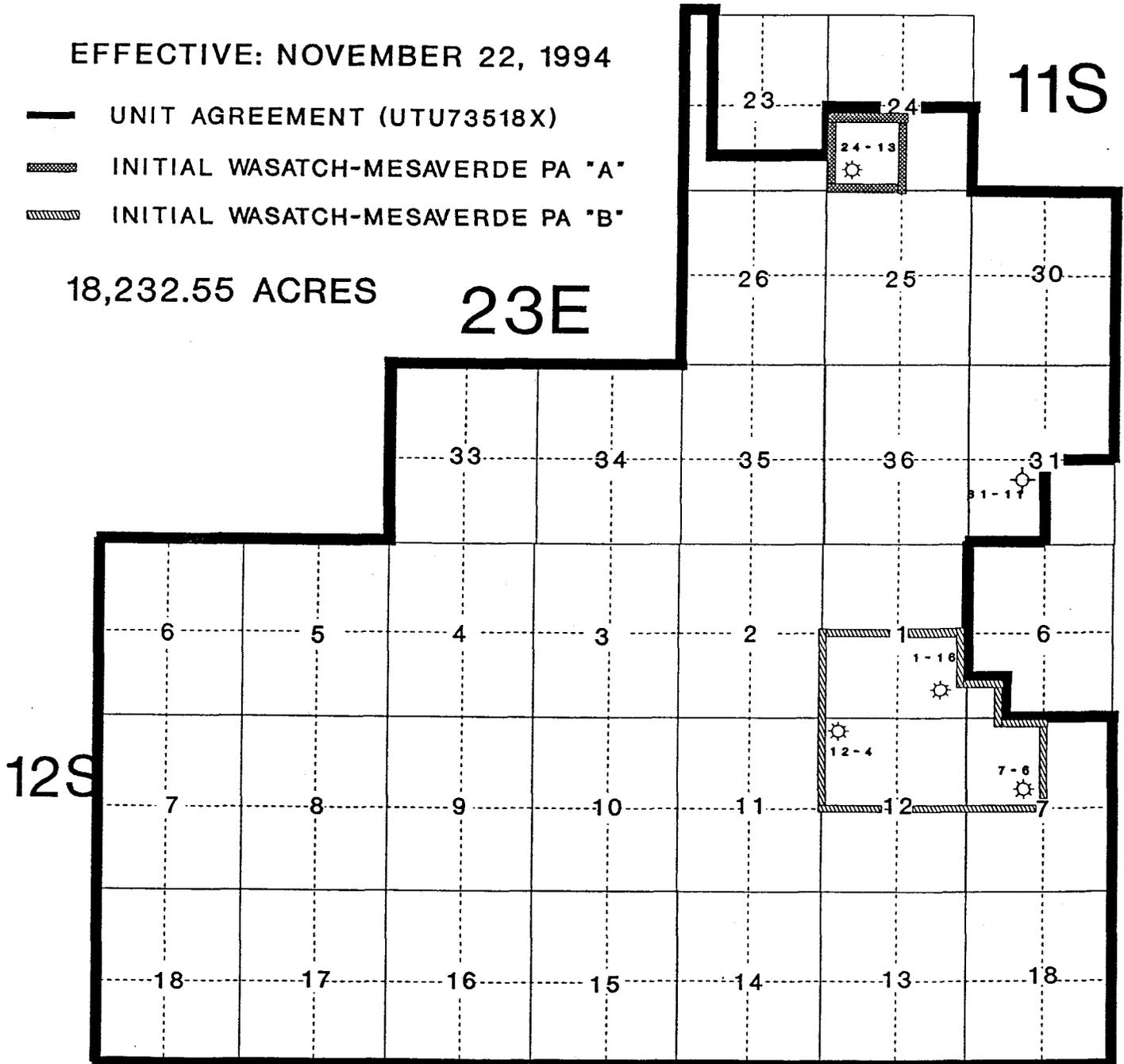
# HANGING ROCK UNIT

## Uintah County, Utah

EFFECTIVE: NOVEMBER 22, 1994

-  UNIT AGREEMENT (UTU73518X)
-  INITIAL WASATCH-MESAVERDE PA "A"
-  INITIAL WASATCH-MESAVERDE PA "B"

18,232.55 ACRES



WSTC-MSVD "A"  
ALLOCATION  
  
FEDERAL 100%  
160.00 Acres

WSTC-MSVD "B"  
ALLOCATION  
  
FEDERAL 100%  
826.76 Acres

24E

**ROSEWOOD  
RESOURCES**

February 5, 1998

Lisha Cordova  
Utah Dept. of Natural Resources  
Division of Oil, Gas, and Mining  
P. O. Box 145801  
Salt Lake City, UT 84114-5801

Re: **Transfer of Operations from Freedom Energy, Inc. to Rosewood**  
Uintah County, Utah

Dear Ms. Cordova:

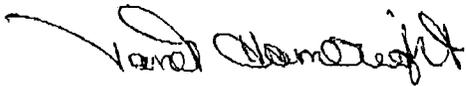
This letter will confirm that Rosewood Resources, Inc. has taken over operations from Freedom Energy, Inc. of the following undrilled wells with existing drilling permits.

<u>Well Name</u>	<u>Property Location</u>	
	<u>All In Uintah Co. Utah</u>	
1. Hanging Rock "H" #25-13	SW SW	Sec. 25-11S-23E
2. Hanging Rock "H" #35-15	SW SE	Sec. 35-11S-23E
3. Hanging Rock "I" #1-4	NW NW	Sec. 01-12S-23E
4. Cruiser Federal "F" #6-6	SE NW	Sec. 06-12S-24E
5. Hanging Rock "I" #11-8	SE NE	Sec. 11-12S-23E
6. Hanging Rock "I" #12-2	NW NE	Sec. 12-12S-23E
7. Hanging Rock "F" #7-8	SE NE	Sec. 07-12S-24E
8. Hanging Rock "I" 11-6	SE NW	Sec. 11-12S-23E

Thank you for updating your records accordingly. Please let me know if you need any further information. If you need to send any requests to me by fax, my fax number is (214) 999-5757.

Sincerely,

ROSEWOOD RESOURCES, INC.



Janet Hambright  
Paralegal (214) 871-5718

(DRILLING STATUS; APPROVED BUT HAVE NOT COMPLETED)

2-3-98

Record#	OPERATOR	API_NUMBER	WELL_NAME	SECTION	TOWNSHIP	RANGE	DATEAPPRVD	SPUD_DATE
3206	FREEDOM ENERGY INC	43-047-32852	HANGING ROCK FEDERAL H 25-13	25	11S	23E	04/03/97	/ /
3205	FREEDOM ENERGY INC	43-047-32853	HANGING ROCK FEDERAL H 35-15	35	11S	23E	04/25/97	/ /
3203	FREEDOM ENERGY INC	43-047-32855	HANGING ROCK FEDERAL I 1-4	01	12S	23E	05/06/97	/ /
3202	FREEDOM ENERGY INC	43-047-32856	CRUISER FEDERAL F 6-6	06	12S	24E	05/27/97	/ /
3210	FREEDOM ENERGY INC	<del>43-047-32870</del>	<del>HANGING ROCK STATE H 36-9</del>	36	11S	23E	/ /	/ /
3402	FREEDOM ENERGY INC	43-047-32935	HANGING ROCK I 11-8	11	12S	23E	07/16/97	/ /
3401	FREEDOM ENERGY INC	43-047-32936	HANGING ROCK I 12-2	12	12S	23E	07/16/97	/ /
3400	FREEDOM ENERGY INC	43-047-32937	HANGING ROCK FEDERAL F 7-8	07	12S	24E	07/16/97	/ /
3504	FREEDOM ENERGY INC	43-047-32992	HANGING ROCK I 11-6	11	12S	23E	10/02/97	/ /
3503	FREEDOM ENERGY INC	<del>43-047-32993</del>	<del>TUCKER FEDERAL F 8-2</del>	08	12S	24E	/ /	/ /

99999  
↓

**OPERATOR CHANGE WORKSHEET**

Routing	
1- JEC ✓	6- JEC ✓
2- GLH	7- KAS ✓
3- DTS	8- SJ
4- VLD ✓	9- FILE
5- JRB ✓	

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: 1-30-98

<b>TO:</b> (new operator)	<u>ROSEWOOD RESOURCES INC</u>	<b>FROM:</b> (old operator)	<u>FREEDOM ENERGY INC</u>
(address)	<u>100 CRESCENT COURT #500</u>	(address)	<u>1050 17TH ST STE 710</u>
	<u>DALLAS TX 75201</u>		<u>DENVER CO 80265</u>
Phone:	<u>(214)871-5718</u>	Phone:	<u>(303)592-3022</u>
Account no.	<u>N7510</u>	Account no.	<u>N3285</u>

**WELL(S)** attach additional page if needed: **HANGING ROCK UNIT & THIMBLE ROCK UNIT**

Name: <b>**SEE ATTACHED**</b>	API: <u>42-047-32852</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: _____

**OPERATOR CHANGE DOCUMENTATION**

- Yec 1. (r649-8-10) Sundry or other legal documentation has been received from the **FORMER** operator (attach to this form). *(rec'd 1-21-98)*
- Yec 2. (r649-8-10) Sundry or other legal documentation has been received from the **NEW** operator (Attach to this form). *(rec. 1-21-98) (rec. 2-3-98) (rec'd 2-5-98)*
- 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: \_\_\_\_\_
- Yec 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.
- Yec 5. Changes have been entered in the **Oil and Gas Information System** (3270) for each well listed above. *(2-3-98)*
- Yec 6. **Cardex** file has been updated for each well listed above. *(2-4-98)*
- Yec 7. Well **file labels** have been updated for each well listed above. *(2-4-98)*
- Yec 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. *(2-3-98)*
- Yec 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**

- See 1. (r649-8-7) **Entity assignments have been reviewed** for all wells listed above. Were entity changes made? (yes/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)**

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

**LEASE INTEREST OWNER NOTIFICATION OF RESPONSIBILITY**

- N/A/See 1. Copies of documents have been sent on \_\_\_\_\_ to \_\_\_\_\_ at Trust Lands for changes involving State leases, in order to remind that agency of their responsibility to review for proper bonding.
- N/A/See 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**

- See 1. All attachments to this form have been **microfilmed**. Today's date: 2.8.00.

**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**

980202 BLM/SL Aprv. eff. 1-30-98; includes wells in "Drilling Status" on separate list.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT  
DIV. OF OIL, GAS & MINING

RECEIVED  
MAR 16 1998

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: September 30, 1990

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.

U-66408

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

Hanging Rock Unit

8. Well Name and No.

Hanging Rock H 25-13

9. API Well No.

43-047-32852

10. Field and Pool, or Exploratory Area

11. County or Parish, State

Uintah, Utah

SUBMIT IN TRIPLICATE

RECEIVED

FEB 03 1998

1. Type of Well

Oil Well  Well  Other

2. Name of Operator

Rosewood Resources, Inc.

3. Address and Telephone No.

100 Crescent Court, Suite 500, Dallas TX. 75201 214-871-5729

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

623' FSL 725, FWL, SW 1/4, SW 1/4, Sec. 25, T11S, R23E

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

TYPE OF SUBMISSION

- Notice of Intent
- Subsequent Report
- Final Abandonment Notice

CONFIDENTIAL

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

APD Extension

(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.)

Operator respectfully requests permission for an extension of 12 months on the APD for the subject well. The APD was approved on April 2, 1997. The operator anticipates drilling the subject well in 1998. APD extended 1yr by BLM per Margie Hermann, BLM - Verml. Extend to 4/3/99

If you require additional detail please feel free to contact:

CONFIDENTIAL

William (Bill) Ryan  
Agent for Rosewood Resources, Inc.  
Rocky Mountain Consulting

(801) 789-0968 Office  
(801) 828-0968 Cell  
(801) 789-0970 Fax

COPY

VERNAL DIST.
ENG. WTB 3/2/98
GEOLOG.
RES.
PET.
A.M.

DTJ  
3/23/98

I hereby certify that the foregoing is true and correct

Signed

William Ryan

Title

Agent

Date 2/2/98

(This space for Federal or State Office use)

Approved

Title

Assistant Field Manager  
Mineral Resources

Date MAR 10 1998

955-16755

DIVISION OF OIL, GAS AND MINING

**CONFIDENTIAL**

SPUDDING INFORMATION

Name of Company: ROSEWOOD RESOURCES

Well Name: HANGING ROCK FEDERAL H 25-13

Api No. 43-047-32852

Section 25 Township 11S Range 23E County UINTAH

Drilling Contractor \_\_\_\_\_

Rig # \_\_\_\_\_

SPUDDED:

Date 5/29/98

Time 2:15 PM

How DRY HOLE

Drilling will commence \_\_\_\_\_

Reported by CAL

Telephone # \_\_\_\_\_

Date: 6/2/98 Signed: JLT

✓

OPERATOR ROSEWOOD RESOURCES, INC.

OPERATOR ACCT. NO. N 7510

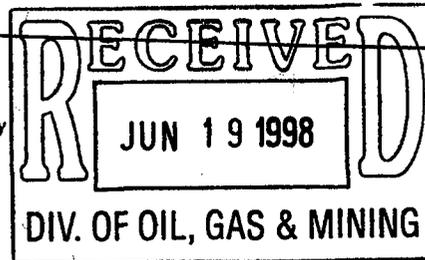
ADDRESS P.O. Box 1668

Vernal, UT 84078

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
B	99999	12133	4304733052	OIL SPRINGS #13	SWSE	5	12S	24E	Uintah	5/26/98	5/26/98
WELL 1 COMMENTS: Add to Oil Springs Unit / <i>wste B-Gas Zone</i> <span style="float: right;"><i>Entities added 6-23-98. Jc</i></span>											
B	99999	12385	4304732852	HANGING ROCK H 25-13	SWSW	25	11S	23E	Uintah	5/30/98	5/30/98
WELL 2 COMMENTS: Add to Hanging Rock Unit / <i>Non P.A.</i> <span style="font-size: 2em; font-weight: bold; display: inline-block; margin-left: 20px;">CONFIDENTIAL</span>											
A	99999	12386	4304732993	TUCKER FEDERAL #8-2	NWNE	8	12S	24E	Uintah	5/29/98	5/29/98
WELL 3 COMMENTS: <span style="font-size: 2em; font-weight: bold; display: inline-block; margin-left: 20px;">CONFIDENTIAL</span>											
A	99999	12387	4304732856	CRUISER FEDERAL F 6-6	SENE	6	12S	24E	Uintah	6/5/98	6/5/98
WELL 4 COMMENTS: <span style="font-size: 2em; font-weight: bold; display: inline-block; margin-left: 20px;">CONFIDENTIAL</span>											
B	99999	12388	4304733102	HANGING ROCK I #3-11	NESW	3	12S	23E	Uintah	6/6/98	6/6/98
WELL 5 COMMENTS: Add to Hanging Rock Unit / <i>Non P.A.</i>											

- 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)



*Lucy Nemer*  
 Signature \_\_\_\_\_  
 Admin. Assistant 6/17/98  
 Title \_\_\_\_\_ Date \_\_\_\_\_  
 Phone No. (435) 789-0414

OPERATOR ROSEWOOD RESOURCES, INC.

OPERATOR ACCT. NO. N 7510

ADDRESS P.O. Box 1668

Vernal, UT 84078

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
B	99999	12389	4304732855	HANGING ROCK FED I 1-4	NWNW	1	12S	23E	Uintah	5/25/98	5/25/98

WELL 1 COMMENTS:

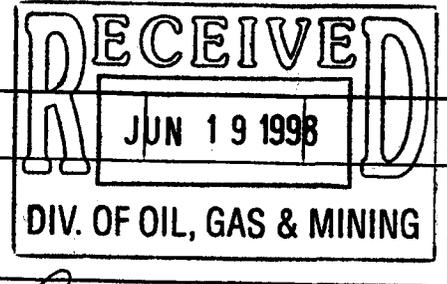
Add to Hanging Rock Unit / Non P.A. **CONFIDENTIAL**

WELL 2 COMMENTS:

WELL 3 COMMENTS:

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)

*Ruby Nemes*  
Signature

Admin. Assistant 6/17/98  
Title Date

Phone No. (435) 789-0414

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 reenter a different reservoir.  
Use "APPLICATION FOR PERMIT -" for such proposals

5. Lease Designation and Serial No.  
UTU-66408

6. If Indian, Allottee or Tribe Name  
NA

7. If Unit or CA, Agreement Designation  
HANGING ROCK

8. Well Name and No.  
HANGING ROCK H #25-13

9. API Well No.  
43-047-32852

10. Field and Pool, or Exploratory Area

11. County or Parish, State

UINTAH CO., UTAH

**SUBMIT IN TRIPLICATE**

1. Type of Well

Oil Well  Gas Well  Other

**CONFIDENTIAL**

2. Name of Operator  
ROSEWOOD RESOURCES, INC.

3. Address and Telephone No.  
P.O. Box 1668, Vernal, UT 435-789-0414

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
SW/SW SECTION 25, T11S, R23E

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

TYPE OF SUBMISSION	TYPE OF ACTION
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back
	<input type="checkbox"/> Casing Repair
	<input type="checkbox"/> Altering Casing
	<input checked="" type="checkbox"/> Other <u>Weekly Status</u>
	<input type="checkbox"/> Change of Plans
	<input type="checkbox"/> New Construction
	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Conversion to Injection
	<input type="checkbox"/> Dispose 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.)\*

WEEKLY STATUS - DRILLED TO TD @ 5000'; RAN AND CEMENTED 4-1/2" CSG. CHANDLER RIG #1 RELEASED @ 8:00 A.M. 6/13/98. SEE ATTACHED RIG REPORTS.

CURRENT STATUS - WAITING ON COMPLETION RIG.

**CONFIDENTIAL**

COPIES: ORIG. & 2-BLM; DIV. OG&M; J MCQUILLEN

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

Signed *Larry Neme* Title Administrative Assistant Date 07/01/98

(This space for Federal or State office use)

Approved by \_\_\_\_\_ Title \_\_\_\_\_ Date \_\_\_\_\_

Conditions of approval, if any:

# ROSEWOOD RESOURCES, INC.

# DAILY DRILLING REPORT

LEASE: Hanging Rock H  
 WELL: # 25-13  
 RIG: Chandler Rig # 1  
 PRESENT OPERATION: Drilling

DATE: 6-6-98

CURRENT DEPTH 917'  
 PROPOSED TD 5000'  
 FOOTAGE PAST 24 HRS 372'  
 ENGINEER D.WIDNER  
 CONSULTANT C.EMERSON

FROM TO ACTIVITY PAST 24 HRS:

0700	1900	MIRU Chandler # 1. Notify Ed Forsman w/ BLM 1400hrs 6-4-98 f/ Spud & BOP Test
1900	2300	RU Single Jack Testers. Pressure Test Upper & Lower Kelly Valves, TIW Valve, Choke Line & Valves, Kill Line & Check, Choke Manifold & Valves, Blind Rams & Pipe Rams ALL to 3000psi. Pressure Test
		9 5/8" Casing & Annular BOP to 1500psi. BLM declined to witness Test.
2300	2330	Install Wear Bushing in Casing Head.
2330	0030	PU BHA #1 Tag Baffle @ 495'
0030	0200	Drilling Baffle, Cement & Shoe
0200	0230	Drilling New FM 546'-608'
0230	0300	Survey 1/4deg @ 567'
0300	0700	Drilling 608'-917'

MUD PROPERTIES:

WT	H2O	% OIL		Ca+	
VIS		%SAND		cake	
WL		%SOLID		pH	
HTHP		ALK		DAILY MUD COST	0
PV		Cl-		CUM. MUD COST	
YP					

DAILY COSTS:

FOOTAGE	5338
DAYWORK	
LOCATION	
MUD	
RIG MOVE	11000
SURVEYOR	
LOGGING	
MUD LOG	500
CEMENTING	
FISHING	
WATER	1725
WELLHEAD	
CSG CREW	
RENTALS	2250
CASING	
SUPERVISION	500
CASING HEAD	2200
BOP TEST	875
TOTAL DAILY	24388
COST FORWARD	28984
CUM.TO DATE	53372

PUMP DATA:

	1	2
MAKE	EMSCO	GarDenv
MODEL	D-500	PZ-8
LINER	5 1/2"	6"
SPM		120
PSI		1100

HYDRAULICS:

WOB	35K
RPM	40
GPM	348

BIT RECORD:

Bit #	RR 1	2
Ser#	M38606	
Size	7 7/8"	
Make	RTC	
Type	HP51X	
Jets	3/12s	
In @	546'	
Out @		
Feet	371'	
Hrs	4 1/2	
Ft/Hr	82.4	
CUM		
Grade		

SURVEY DATA:

DEPTH	DEGREES
567'	1/4

ADDITIONAL COMMENTS: BHA#1: Bit,XO,MM,18-6 1/8DC,XO=567.71'

Shows: No Shows



# ROSEWOOD RESOURCES, INC.

# DAILY DRILLING REPORT

LEASE: Hanging Rock H

DATE: 6-13-98

CURRENT DEPTH 5000 TD

WELL: # 25-13

PROPOSED TD 5000'

RIG: Chandler Rig # 1

FOOTAGE PAST 24 HRS \_\_\_\_\_

PRESENT OPERATION: Wait On Completion Unit

ENGINEER D.WIDNER

CONSULTANT C.EMERSON

FROM TO ACTIVITY PAST 24 HRS:

0700	0930	Drop Survey & Tally OOH. DP Tally:5006'
0930	1400	RU Schlumberger w wireline BOP. Run Platform Express Suite From Log TD 4995' to Base of Surface Csg.RD
1400	1600	TIH w/ PDC to TD. No Fill
1600	1700	Circulate. RU T&M Casing Crew.
1700	2130	LDDP & DC
2130	0100	RU & Run Prod Csg as follows:1-4 1/2" Float Shoe(.77'), 1- 4 1/2" Shoe Jt(42.96')(Centralized Mid-Jt), 1-4 1/2" Float Collar(.61'), 115- Jts 4 1/2" 11.6# J-55 LT&C 8rd Casing(4932.53')(29 Centralizers Every Other Jt to 2500'). Tag @ 4998'. Above KB(-2.00'). Casing Set @ 4974.87'KB Float@ 4930.53'. RD T&M
0100	0130	RU HOWCO & Circulate.
0130	0300	Cement as Follows: Pump 20bbl Mud Flush, 10bbl H2O, Lead w/ 285sks HowcoLite(65/35Poz)/w/ 6% Gel,1% EX-1, 1/4#/sk FloCele,2% MicroBond,3% Salt(2.04/lb-12.40ppg). Tail w/ 410sks Class "G" w/ 0.3% CFR-3, 1/4#/sk FloCele, 0.5% Halad-9,2% Gel, 2% MicroBond. Displace w/ 78bbl H2O. Bump Plug @ 2500psi-0230Hrs. Float Held. Reciprocate Casing During Job. Excellent Returns During Job. Did Not Circulate Cement to Surface.
0300	0400	ND BOP Set Slips w/ 45K # on Hanger.
0400	0800	Clean & Jet Pits Chandler Released @ 0800Hrs 6-13-98

### MUD PROPERTIES:

WT	9.8	% OIL	0
VIS	51	%SAND	Tr
WL	8.5	%SOLID	10.7
HTHP		ALK	.7
PV	20	Cl-	500
YP	16		

Ca+	40
cake	2/32
pH	10.0

DAILY MUD COST	
CUM. MUD COST	21205

### DAILY COSTS:

FOOTAGE	
DAYWORK	6450
LOCATION	
MUD	
RIG MOVE	
SURVEYOR	
LOGGING	12261
MUD LOG	500
CEMENTING	11564
FISHING	
WATER	200
WELLHEAD	
CSG CREW	6621
RENTALS	300
CASING	23950
SUPERVISION	500
CASING HEAD	150

### PUMP DATA:

	1	2
MAKE	EMSCO	GarDenv
MODEL	D-500	PZ-8
LINER	5 1/2"	6"
SPM		
PSI		

### HYDRAULICS:

WOB	
RPM	
GPM	

### BIT RECORD:

Bit #	2	3RR
Ser#	191884	L901776
Size	7 7/8"	7 7/8"
Make	DPI	HC
Type	ST66L	R535A1
Jets	3/10,4/12s	4-12,1-13
In @	2371'	3815'
Out @	3815'	5000'
Feet	1444'	1185'
Hrs	25.5	50.5
Ft/Hr	56.6	23.5
CUM		
Grade		

### SURVEY DATA:

DEPTH	DEGREES
567'	1/4
1012'	3/4
1502'	1 1/4
2051'	1 1/4
2560'	1 3/4
3036'	3
3523'	4
3741'	4 3/4
3931'	MR
4023'	4 1/2
4518'	4 1/4
5000'	4

TOTAL DAILY	62496
COST FORWARD	157387
CUM.TO DATE	219883

### ADDITIONAL COMMENTS:

#### Casing Detail:

1- 4 1/2" Float Shoe	.77'
1- 4 1/2" Shoe Jt(Centralized Mid Jt)	42.96'
1- 4 1/2" Float Collar	.61'
115- JTs 4 1/2 11.6# J-55 LT&C 8rd w/29 Centralizers to 2500'	4932.53'
Above KB	-2.00'
116 - Jts Casing Set @	4974.87' KB

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: September 30, 1990

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.

U-66408

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

Hanging Rock Unit

8. Well Name and No.

Hanging Rock H 25-13

9. API Well No.

43-047-32852

10. Field and Pool, or Exploratory Area

11. County or Parish, State

Uintah, Utah

SUBMIT IN TRIPLICATE

RECEIVED

FEB 03 1998

1. Type of Well

Oil Well  Well  Other

2. Name of Operator

Rosewood Resources, Inc.

3. Address and Telephone No.

100 Crescent Court, Suite 500, Dallas TX. 75201 214-871-5729

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

623' FSL 725, FWL, SW 1/4, SW 1/4, Sec. 25, T11S, R23E

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

TYPE OF SUBMISSION

TYPE OF ACTION

Notice of Intent  
 Subsequent Report  
 Final Abandonment Notice

Abandonment  
 Recompletion  
 Plugging Back  
 Casing Repair  
 Altering Casing  
 Other

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

APD Extension

(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.)\*

Operator respectfully requests permission for an extension of 12 months on the APD for the subject well. The APD was approved on April 2, 1997. The operator anticipates drilling the subject well in 1998.

*Spudded 5/29/98.*

*OTS 7/14/98*

If you require additional detail please feel free to contact:

William (Bill) Ryan  
Agent for Rosewood Resources, Inc.  
Rocky Mountain Consulting

(801) 789-0968 Office  
(801) 828-0968 Cell  
(801) 789-0970 Fax

RECEIVED  
JUL 01 1998  
DIV. OF OIL, GAS & MINING

CONFIDENTIAL COPY

VERNAL DIST.	
ENG.	<i>WRS 3/4/98</i>
GEOL.	
E.S.	
PET.	
A.M.	

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

Signed *William Ryan* Title Agent Date 2/2/98

(This space for Federal or State Office Use)

Approved by *Thomas B. Clauger* Title Assistant Field Manager Date MAR 10 1998

Conditions of approval, if any.

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 reenter a different reservoir.  
Use "APPLICATION FOR PERMIT -" for such proposals

5. Lease Designation and Serial No.  
UTU-66408

6. If Indian, Allottee or Tribe Name  
NA

7. If Unit or CA, Agreement Designation  
HANGING ROCK

8. Well Name and No.  
HANGING ROCK H #25-13

9. API Well No.  
43-047-32852

10. Field and Pool, or Exploratory Area

11. County or Parish, State

UINTAH CO., UTAH

**SUBMIT IN TRIPLICATE**

1. Type of Well

Oil Well  Gas Well  Other

2. Name of Operator

ROSEWOOD RESOURCES, INC.

3. Address and Telephone No.

P.O. Box 1668, Vernal, UT 435-789-0414

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

SW/SW SECTION 25, T11S, R23E

**CONFIDENTIAL**

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

TYPE OF SUBMISSION

Notice of Intent  
 Subsequent Report  
 Final Abandonment Notice

TYPE OF ACTION

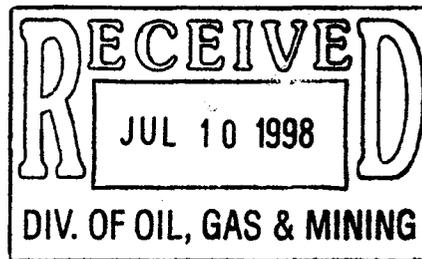
Abandonment  Change of Plans  
 Recompletion  New Construction  
 Plugging Back  Non-Routine Fracturing  
 Casing Repair  Water Shut-Off  
 Altering Casing  Conversion to Injection  
 Other Spud  Dispose Water

(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.)\*

Operator reports the above referenced well was spud on 5/30/98 @ 2:15 p.m. by Bill Jr's Rathole Service.  
(See attached report for setting of surface casing.)

**CONFIDENTIAL**



COPIES: ORIG. & 2-BLM; DIV. OG&M; J MCQUILLEN

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

Signed [Signature] Title Administrative Assistant Date 07/01/98

(This space for Federal or State office use)

Approved by \_\_\_\_\_ Title \_\_\_\_\_ Date \_\_\_\_\_

Conditions of approval, if any:



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 reenter a different reservoir.  
Use "APPLICATION FOR PERMIT -" for such proposals

5. Lease Designation and Serial No.  
UTU-66408

6. If Indian, Allottee or Tribe Name  
NA

7. If Unit or CA, Agreement Designation  
HANGING ROCK

8. Well Name and No.  
HANGING ROCK H #25-13

9. API Well No.  
43-047-32852

10. Field and Pool, or Exploratory Area

11. County or Parish, State  
UINTAH CO., UTAH

SUBMIT IN TRIPLICATE

CONFIDENTIAL

1. Type of Well

Oil Well  Gas Well  Other

2. Name of Operator  
ROSEWOOD RESOURCES, INC.

3. Address and Telephone No.  
P.O. Box 1668, Vernal, UT 435-789-0414

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
SW/SW SECTION 25, T11S, R23E

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

TYPE OF SUBMISSION

Notice of Intent  
 Subsequent Report  
 Final Abandonment Notice

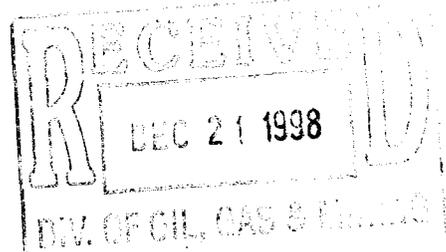
TYPE OF ACTION

Abandonment  
 Recompletion  
 Plugging Back  
 Casing Repair  
 Altering Casing  
 Other Weekly Status  
 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.)\*

Weekly Status - completion from 11/13 - 12/11/98  
Current Status - Shut in.



COPIES: ORIG. & 2-BLM; DIV. OG&M; J MCQUILLEN

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

Signed [Signature] Title Administrative Assistant Date 12/14/98

(This space for Federal or State office use)

Approved by \_\_\_\_\_ Title \_\_\_\_\_ Date \_\_\_\_\_

Conditions of approval, if any:

**ROSEWOOD RESOURCES, INC.****Daily Completion Report**

WELL NAME:HANGING ROCK #25-13

DATE:

DEPTH: 5000' 3992' - 4000'  
 PBTD 4931' 3805' - 09'  
 PERFS: 4330' - 34' 3696' - 3701'  
 4250' - 54' 2273' - 80'  
 4139' - 48'

Lease #: UTU-66408  
 Location: SWSW SEC 25, T11S, R23E  
 County: UINTAH

PACKER:

RBP:

CIBP: 4130'  
 EOT: NONE

Engineer D. Widner  
 Consultant S. MILLER

11/13/98

MIRU K&S WELL SERVICE RIG #1. N/U BOP'S. P/U 3 7/8" DRAG BIT, 4 1/2" CSG SCRAPER & RIH W/164 JTS 2 3/8" TBG. TAG PBTD @ 4900'. PRESSURE TEST CSG TO 2500#. HELD OK! DISPLACE WELL W/ 3% KCL WATER. POOH W/ TBG & TOOLS. SION

Daily cost \$6,470 cum. cost \$6,470

R/U SCHLUMBERGER. RIH W/ 3 1/2" CSG GUN & PERFORATE INTVL 4330'- 34', 4 SPF, 16 HOLES TOTAL. R/D WIRELINE. P/U XN- NIPPLE, 6' PUP JT, ARROWSET 1-X PKR, ON/OFF TOOL, 1 JT TBG, X- NIPPLE & RIH W/ 143 JTS 2 3/8" TBG. SET PKR @ 4305' & LAND TBG ON HANGER @ 4322'. TEST PKR TO 2500#. HELD OK! BREAK DOWN PERFS W/ RIG PUMP USING 3% KCL WATER. ZONE BROKE @ 3000#. AVG 2 BPM @ 1800#. ISIP 1500# PUMPED 5BBLs INTO PERFS. HAVE 22 BBLs TO RECOVER. R/U & SWAB WELL. MADE 4 CONSECUTIVE & 5 HOURLY RUNS & RECOVERED 21 BBLs FLUID W/ SMALL GAS BLOW (TSTM). FINAL FLUID LEVEL @ 4000'. SION

Daily cost \$32,000 cum. cost \$263,558

CHECK PRESSURE. SITP 100#. R/U & SWAB WELL. FL @ 2900'. MADE 2 RUNS & RECOVERED 5 BBLs FLUID W/ LIGHT GAS BLOW. FILL TBG W/ 15 BBLs 3% KCL WATER. PUMP 10 BBLs INTO PERFS W/ 10 BBLs KCL WATER. AVG 2 BPM @ 2100#. ISIP 1600#. HAVE 25 BBLs TO RECOVER. R/U & SWAB WELL. MADE 4 CONSECUTIVE & 4 HOURLY RUNS. RECOVERED 28.5 BBLs FLUID W/ LIGHT GAS BLOW. FINAL FL @ 4000'. SDFN.

Daily cost \$2,515 cum. cost \$266,073

11/17/98

CHECK PRESSURE. SITP 1000#. R/U & SWAB WELL. FL @ 2800'. MADE 2 RUNS & RECOVERED 4 BBLs FLUID W/ LIGHT GAS BLOW. INSTALL 8/64 CHOKE & FLOW TEST FOR 2 HRS. FTP STABILIZED @ 50#. R/U SLICKLINE UNIT. RIH & SET BLANKING PLUG IN XN- NIPPLE @ 4322'. R/D SLICKLINE UNIT. RELEASE FROM ON/OFF TOOL. PRESSURE TEST TOOLS TO 2500#. HELD OK! POOH W/ 2 3/8" TBG & TOOLS. R/U SCHLUMBERGER. RIH W/ 3 1/2" CSG GUN & PERFORATE INTVL 4250'- 54', 4 SPF, 16 HOLES TOTAL. R/D WIRELINE UNIT. HAD NO PRESSURE INCREASE. P/U XN- NIPPLE, 6' PUP JT, ARROWSET 1-X PKR, ON/OFF TOOL W/ X PROFILE, 1 JT TBG, X- NIPPLE & RIH W/ 141 JTS TBG. SET PKR @ 4217' & LAND TBG ON HANGER @ 4230'. PRESSURE TEST CSG & TOOLS TO 2500#. HELD OK! BREAK DOWN PERFS W/ RIG PUMP USING 3% KCL WATER. ZONE BROKE @ 4000#. AVG 2 BPM @ 2300#. ISIP 1700# (.84 FRAC GRAD.) HAVE 22 BBLs LOAD TO RECOVER. MADE 3 CONSECUTIVE & 3- 30 MIN RUNS & RECOVERED 17 BBLs FLUID W/ LIGHT GAS BLOW. HAVE 5 BLTR. SION

Daily cost \$7,870 cum. cost \$273,943

11/18/98

CHECK PRESSURE. SITP 500#. R/U & SWAB WELL. FL @ 3000'. MADE 2 CONSECUTIVE & 2 HOURLY RUNS & RECOVERED 4 BBLS FLUID W/ LIGHT GAS BLOW. GETTING 1/2 BPH FLUID ENTRY. PUMP INTO PERFS W/ RIG PUMP USING 3% KCL WATER. FILL TBG W/ 14 BBLS WATER & PUMP 10 BBLS INTO PERFS. AVG 2 BPM @ 2200#. ISIP 1700# (.84 FRAC GRAD.) R/U & SWAB WELL. MADE 4 CONSECUTIVE & 5 HOURLY RUNS. RECOVERED 23 BBLS WATER W/ LIGHT GAS BLOW. AFTER SWABBING WELL DRY HAD 1 BPH FLUID ENTRY. HAVE 1 BLTR. SION

Daily cost \$2,775 cum. cost \$276,718

11/19/98

CHECK PRESSURE. SITP 650#. R/U & SWAB WELL. FL @ 2800'. MADE 2 CONSECUTIVE & 4 HOURLY RUNS & RECOVERED 4 BBLS FLUID W/ LIGHT GAS BLOW. INSTALLED 8/64 CHOKE BETWEEN RUNS. FTP @ 25#. FLUID ENTRY 1/4 BPH. R/U SLICKLINE TRUCK. RIH & SET BLANKING PLUG IN XN- NIPPLE @ 4322'. RELEASE FROM ON/OFF TOOL. PRESSURE TEST TOOLS TO 2500#. HELD OK! POOH W/ TBG & TOOLS. SION

Daily cost \$3,370 cum. cost \$280,088

11/20/98

R/U SCHLUMBERGER. RIH W/ 3 1/2" CSG GUN & PERFORATE INTVL 4139'- 48', 4 SPF, 36 HOLES. R/D WIRELINE. HAD NO PRESSURE INCREASE. P/U XN- NIPPLE, 6' PUP JT, ARROWSET 1-X PKR, ON/OFF, 1 JT TBG, X- NIPPLE & RIH W/ 135 JTS 2 3/8" TBG. SET PKR @ 4096' & LAND TBG ON HANGER @ 4110'. PRESSURE TEST TOOLS TO 2500#. HELD OK! BREAK DOWN PERFS W/ RIG PUMP USING 3% KCL WATER. ZONE BROKE @ 3000#. AVG 2 BPM @ 2000#. ISIP 1400#. PUMPED 4 BBLS INTO PERFS. HAVE 20 BBLS LOAD TO RECOVER. R/U & SWAB WELL. MADE 5 CONSECUTIVE & 5 HOURLY RUNS & RECOVERED 34 BBLS WATER. GETTING 2.5 BPH FLUID ENTRY. FFL @ 3000'. INSTALLED 8/64 CHOKE BETWEEN RUNS. MAX FTP 150# SION

Daily cost \$6,840 cum. cost \$286,928

11/21/98

CHECK PRESSURE. 1000# SITP. WELL BLEW DOWN IMMEDIATELY. R/U & SWAB WELL. FL @ 2000'. WELL SWABBED DRY IN 2 RUNS & RECOVERED 6 1/2 BBLS WATER. MADE 7 MORE HOURLY RUNS & RECOVERED 14 MORE BBLS WATER. ENTRY RATE 2 BPH. FFL @ 3000'. INSTALLED 8/64 CHOKE BETWEEN RUNS. MAX FTP 40#. SION

Daily cost \$2,480 cum. cost \$289,408

11/24/98

CHECK PRESSURE. 1100# SITP. WELL BLEW DOWN IMMEDIATELY. R/U & SWAB WELL. FL @ 1900'. MADE 3 RUNS & RECOVERED 11 BBLS WATER. FFL @ 3400'. RELEASE PKR & POOH W/ 2 3/8" TBG & TOOLS. P/U ON/OFF TOOL & RIH W/ TBG TO PKR @ 4217'. LATCH ON & RELEASE PKR. POOH W/ TBG & TOOLS. P/U ON/OFF TOOL & RIH W/ TBG TO PKR @ 4308'. LATCH ON & RELEASE PKR. POOH W/ TBG & TOOLS. SION

Daily cost \$3,180 cum. cost \$292,588

**11/25/98**

CHECK PRESSURE. 200# SICP. R/U SCHLUMBERGER. RIH & SET CIBP @ 4130'. PRESSURE TEST PLUG TO 2500#. HELD OK! RIH W/ BAILER & SPOT 1 sk CEMENT ON PLUG. RIH W/ 3 1/2" CSG GUN & PERFORATE INTVL 3992'- 4000', 4SPF, 32 HOLES TOTAL. R/D WIRELINE. HAD NO PRESSURE INCREASE. P/U XN- NIPPLE, 6' PUP JT, ARROWSET 1-X PKR, ON/OFF TOOL, 1 JT TBG, X- NIPPLE & RIH W/ 129 JTS 2 3/8" TBG. SET PKR @ 3911' & LAND TBG ON HANGER @ 3925'. PRESSURE TEST TOOLS TO 2500#. HELD OK! R/U & SWAB WELL. MADE 3 CONSECUTIVE & 7- 30 MIN RUNS & RECOVERED 29.5 BBLS WATER W/ GOOD SHOW OF GAS DURING SWAB RUNS. HAVE RECOVERED ALL LOAD FLUID PLUS 14 BBLS. GETTING 1- 1 1/2 BBLS ON EACH 30 MIN RUN. SION.

Daily cost \$7,760 cum. cost \$300,348

**11/26/98**

CHECK PRESSURE. 850# SITP. R/U & SWAB WELL. FL @ 1500'. MADE 2 CONSECUTIVE & 7 HOURLY RUNS. RECOVERED 22.5 BBLS WATER. 2.5 BBLS/HR FLUID ENTRY. FFL @ 2300'. INSTALLED 8/64 CHOKE BETWEEN RUNS. MAX FTP 20#. SI UNTIL 11/30/98 FOR THANKSGIVING HOLIDAY.

Daily cost \$2,520 cum. cost \$302,868

**12/1/98**

CHECK PRESSURE. 1250# SITP. OPEN WELL TO TANK ON 2" CHOKE. WELL BLED TO 0# IN 15 MIN. & RECOVERED 2 BBLS WATER. R/U SLICKLINE TRUCK. RIH & SET BLANKING PLUG IN XN- NIPPLE @ 3925'. ( FL @ 1500' ) R/D SLICKLINE UNIT. RELEASE FROM ON/OFF TOOL. PRESSURE TEST TOOLS TO 2500#. HELD OK! POOH W/ 2 3/8" TBG & TOOLS. R/U SCHLUMBERGER. RIH W/ 3 1/2" CSG GUNS & PERFORATE INTVL 3805'-09', 4 SPF, 16 HOLES TOTAL. R/D WIRELINE. HAD NO PRESSURE INCREASE. P/U XN- NIPPLE, 6' PUP JT, ARROWSET 1-X PKR, ON/OFF TOOL, 1 JT TBG, X- NIPPLE & RIH W/ 124 JTS 2 3/8" TBG. SET PKR @ 3758' & LAND TBG ON HANGER @ 3772'. PRESSURE TEST CSG & TOOLS TO 2500#. HELD OK! R/U & SWAB WELL. FL @ SURF. MADE 3 CONSECUTIVE & 2 HOURLY RUNS. RECOVERED 16 BBLS WATER (LOAD FLUID 16 BBLS) W/ GOOD GAS SHOW. FFL @ 3000'. SION

Daily cost \$8,060 cum. cost \$310,928

**12/2/98**

CHECK PRESSURE. 1000# SITP. R/U & SWAB WELL. FL @ 1800'. MADE 2 CONSECUTIVE & 6 HOURLY RUNS. RECOVERED 19 BBLS WATER. FFL @ 2000'. FLUID ENTRY 1- 1.5 BPH. INSTALLED 8/64 CHOKE BETWEEN RUNS. MAX FTP 70#. R/U & BREAK DOWN PERFS W/ RIG PUMP USING 3% KCL WATER. ZONE BROKE @ 3000#. AVG 1.5 BPM @ 2800# ISIP 1500#. PUMPED 3 BBLS INTO PERFS. HAVE 15 BBLS TO RECOVER. R/U & SWAB WELL. MADE 3 CONSECUTIVE & 2 HOURLY RUNS & RECOVERED 18 BBLS WATER. FFL @ 2000'. SION

Daily cost \$2,870 cum. cost \$313,798

**12/3/98**

CHECK PRESSURE. 1100# SITP. R/U & SWAB WELL. FL @ 1800'. MADE 2 CONSECUTIVE & 9 HOURLY RUNS. RECOVERED 22 BBLS WATER W/ GOOD GAS BLOW. FLUID ENTRY 1- 2 BPH. FFL @ 2200'. INSTALLED 8/64 CHOKE BETWEEN RUNS. MAX FTP 40#. SION

Daily cost \$2,870 cum. cost \$313,668

**12/4/98**

CHECK PRESSURE. 1100# SITP. R/U SLICKLINE TRUCK. RIH & SET BLANKING PLUG IN XN- NIPPLE @ 3772'. R/D SLICKLINE UNIT. RELEASE FROM ON/OFF TOOL. PRESSURE TEST TOOLS TO 2500#. HELD OK! POOH W/ 2 3/8" TBG & TOOLS. R/U SCHLUMBERGER. RIH W/ 3 1/2" CSG GUN & PERFORATE INTVL 3696'- 3701', 4 SPF, 20 HOLES TOTAL. R/D WIRELINE. HAD NO PRESSURE INCREASE. P/U XN- NIPPLE, 6' TBG PUP JT, ARROWSET 1-X, ON/OFF TOOL, 1 JT TBG, X- NIPPLE & RIH W/ 120 JTS 2 3/8" TBG. SET PKR @ 3635' & LAND TBG ON HANGER @ 3650'. PRESSURE TEST TOOLS TO 2500#. HELD OK! R/U & SWAB WELL. MADE 3 CONSECUTIVE & 3 HOURLY RUNS. RECOVERED 13 BBLS WATER W/ GOOD GAS SHOW. SION

Daily cost \$7,330 cum. cost \$323,998

**12/5/98**

CHECK PRESSURE. 1000# SITP. R/U & SWAB WELL. FL @ 2000'. MADE 2 CONSECUTIVE & 7 HOURLY RUNS. RECOVERED 15.5 BBLS WATER W/ GOOD GAS SHOW. 1.5 BBLS/HR FLUID ENTRY. FLOW TESTED WELL ON 8/64 CHOKE BETWEEN RUNS. MAX FTP 70#. FFL @ 2600'. SDFN

Daily cost \$2,600 cum. cost \$326,598

**12/08/1998**

CHECK PRESSURE. 1200# SITP. R/U & SWAB WELL. FL @ 1800'. MADE 1 RUN & RECOVERED 5 BBLS WATER W/ GOOD GAS SHOW. R/U SLICKLINE TRUCK. RIH W/ BLANKING PLUG & SET IN XN- NIPPLE @ 3650'. R/D SLICKLINE UNIT. RELEASE FROM ON/OFF TOOL. PRESSURE TEST TOOLS TO 2500#. HELD OK! CIRC WELL W/ CLEAN 3% KCL WATER. POOH W/ 2 3/8" TBG & TOOLS. R/U SCHLUMBERGER. RIH W/ 3 1/2" CSG GUN & PERFORATE INTVL 2273'- 80', 4 SPF, 28 HOLES TOTAL. R/D WIRELINE. HAD NO PRESSURE INCREASE. P/U XN- NIPPLE, 4' PUP JT, ARROWSET 1-X PKR, ON/OFF TOOL, 1 JT TBG, X- NIPPLE & RIH W/ 72 JTS TBG. SET PKR @ 2194' & LAND TBG ON HANGER @ 2205'. TEST TOOLS TO 2500#. HELD OK! R/U & SWAB WELL. FL @ SURF. MADE 2 CONSECUTIVE & 2 -30 MIN RUNS & WELL STARTED FLOWING. RECOVERED 38 BBLS WATER. EST 7.5 BBLS/HR FLUID RECOVERY. SION

Daily cost \$5,980 cum. cost \$332,578

**12/09/1998**

CHECK PRESSURE. 900# SITP. R/U & SWAB WELL. FL @ 1500'. MADE 2 CONSECUTIVE & 2 HOURLY RUNS & RECOVERED 18 BBLS WATER W/ GOOD GAS BLOW. FLOW TESTED WELL BETWEEN RUNS ON 8/64 CHOKE. MAX FTP 70#. WELL STARTED FLOWING. FLOWED WELL FOR 7 HRS ON 3/4" CHOKE. FTP 5#. RECOVERED 35 BBLS WATER. 5 BPH FLUID RECOVERY. RECOVERED 53 BBLS TOTAL TODAY. SION

Daily cost \$2,600 cum. cost \$335,178

**12/10/1998**

CHECK PRESSURE. 1400# SITP. OPEN WELL TO TANK ON 2" CHOKE. PRESSURE TO 0# IN 15 MIN. RELEASE PKR @ 2194' & CIRC WELL W/ 3% KCL WATER. POOH W/ TBG & TOOLS. P/U ON/OFF TOOL & RIH W/ TBG TO PKR @ 3635'. LATCH ON & RELEASE PKR. POOH W/ TBG & TOOLS. P/U ON/OFF TOOL & RIH W/ TBG TO PKR @ 3758'. LATCH ON & RELEASE PKR. POOH W/ TBG & TOOLS. P/U ON/OFF TOOL & RIH W/ TBG TO PKR @ 3911'. LATCH ON & RELEASE PKR. POOH & LAY DOWN TBG TO 3296'. SION

Daily cost \$3,065 cum. cost \$338,243

12/11/1998

CHECK PRESSURE. 200# SITP. CIRC WELL W/ 3% KCL WATER. POOH & LAY DOWN 2 3/8" TBG & TOOLS. N/D BOP'S & N/U WELLHEAD W/ TBG HANGER IN BOWL. RIG DOWN & RELEASE COMPLETION RIG. FINAL REPORT!

Daily cost      \$2,790 cum. cost    \$341,033

RECEIVED  
FORM 6160-4  
(July 1992)  
JAN 26 1999

CONFIDENTIAL

SUBMIT IN DUPLICATE\*  
(See other instructions on reverse side)

FORM APPROVED  
OMB NO. 1004-0137  
Expires: February 28, 1995

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

DIV. OF OIL, GAS & MINING

5. LEASE DESIGNATION AND SERIAL NO.  
UTU-66408

WELL COMPLETION OR RECOMPLETION REPORT AND LOG\*

1a. TYPE OF WORK

OIL WELL  GAS WELL  DRY  Other \_\_\_\_\_

1b. TYPE OF WELL

NEW WELL  WORK OVER  DEEP EN  FLOOR BACK  DIFF. RESVR.  Other \_\_\_\_\_

7. UNIT AGREEMENT NAME  
HANGING ROCK

8. FARM OR LEASE NAME, WELL NO.  
HANGING ROCK H #25-13

2. NAME OF OPERATOR

ROSEWOOD RESOURCES, INC.

9. API WELL NO.  
43-047-32852

3. ADDRESS AND TELEPHONE NO.

P.O. BOX 1668, VERNAL, UT 84078 435-789-0414

10. FIELD AND POOL OR WILDCAT  
WILDCAT

4. LOCATION OF WELL (Report locations clearly and in accordance with any State requirements.)\*

At Surface  
623' FSL 725' FWL SW/SW

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA  
SEC. 25, T11S, R23E

At top prod. Interval reported below

Block & Survey: S.L.B. & M

At total depth

14. PERMIT NO. UT080-7M-164 DATE ISSUED 4/2/97  
12. COUNTY OR PARISH UINTAH 13. STATE UTAH

15. DATE SPUDDED 5/30/98 16. DATE T.D. REACHED 6/12/98 17. DATE COMPL. (Ready to prod.) 12/9/98 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)\* 5712' GL 19. ELEV. CASINGHEAD 5727' KB

20. TOTAL DEPTH, MD & TVD 5000' MD 21. PLUG, BACK T.D., MD & TVD CIBP @ 4130' 22. IF MULTIPLE COMPL., HOW MANY\* 23. INTERVALS DRILLED BY 545' - 5000' 24. PRODUCING INTERVAL(S), OF THIS COMPLETION-TOP, BOTTOM, NAME (MD AND TVD)\* SI USMUD per BGH/CHD

25. WAS DIRECTIONAL SURVEY MADE NO  
26. TYPE ELECTRIC AND OTHER LOGS RUN AT/LC/GR, CNLD/GR, ML/GR, MUD LOG, CBL/GR 6-19-98 ON 1-9-2000  
27. WAS WELL CORED NO

23. CASING RECORD (Report all strings set in well)

CASING SIZE/GRADE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	TOP OF CEMENT CEMENTING RECORD	AMOUNT PULLED
9-5/8" J-55	36#	531' KB	12 1/4"	SURF-300 sx "G"	NONE
4-1/2" J-55	11.6#	4975' KB	7 7/8"	LEAD W/285 SKS HALCO-LITE	NONE
		Stage Tool @ 2513'		TAIL W/410 SKS "G" CMT	

29. LINER RECORD				30. TUBING RECORD			
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					None		

31. PERFORATION RECORD (Interval, size and number)				32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.	
INTERVAL	SIZE	NUMBER		DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
4330' - 34'	See page 2 for add. Perfs	0.46	16		
4250' - 54'		0.46	16		
4139' - 48'		0.46	36		
3992' - 4000'		0.46	32		

PRODUCTION

DATE FIRST PRODUCTION 11/21/98	PRODUCTION METHOD (Flowing, gas lift, pumping-size and type of pump) FLOWING					WELL STATUS (Producing or shut-in) PROD	
DATE OF TEST 11-23-98	HOURS TESTED 24	CHOKE SIZE 16/64	PROD'N. FOR TEST PERIOD →	OIL-BBLS. 0	GAS-MCF. 178	WATER-BBL. 0	GAS-OIL RATIO
FLOW. TUBING PRESS. 200	CASING PRESSURE 250#	CALCULATED 24-HOUR RATE →	OIL-BBL. 0	GAS-MCF. 178	WATER-BBL. 0	OIL GRAVITY-API (CORR.)	

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

TEST WITNESSED BY  
Ivan Sadlier

35. LIST OF ATTACHMENTS

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records  
SIGNED Lacey Nasse TITLE ADMINISTRATIVE ASSISTANT DATE 1/15/99

\*(See Instructions and Spaces for Additional Data on Reverse Side)

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





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 reenter a different reservoir.  
Use "APPLICATION FOR PERMIT -" for such proposals

5. Lease Designation and Serial No.  
UTU-66408

6. If Indian, Allottee or Tribe Name  
N/A

7. If Unit or CA, Agreement Designation  
HANGING ROCK

8. Well Name and No.  
HANGING ROCK "H" #25-13

9. API Well No.  
43-047-32852

10. Field and Pool, or Exploratory Area

11. County or Parish, State  
UINTAH CO., UTAH

**SUBMIT IN TRIPLICATE**

1. Type of Well

Oil Well  Gas Well  Other

**CONFIDENTIAL**

2. Name of Operator  
ROSEWOOD RESOURCES, INC.

3. Address and Telephone No.  
P.O. Box 1668, Vernal, UT 435-789-0414

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
623' FSL 225" FWL, SW/SW Section 25, T11S, R23E

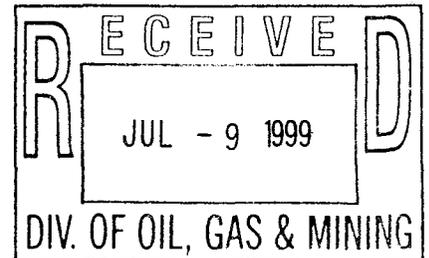
12. CHECK APPROPRIATE BOX(es) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION
<input checked="" type="checkbox"/> Notice of Intent	<input checked="" type="checkbox"/> Abandonment
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back
	<input type="checkbox"/> Casing Repair
	<input type="checkbox"/> Altering Casing
	<input type="checkbox"/> Other _____
	<input type="checkbox"/> Change of Plans
	<input type="checkbox"/> New Construction
	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Conversion to Injection
	<input type="checkbox"/> Dispose 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.)\*

The above referenced well was P&A'd 6/30/99. See attached rig report for plugging details.  
STATUS - P&A'd



COPIES: ORIG. & 2-BLM; DIV. OG&M; J MCQUILLEN

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

Signed Lucy Nemes Title Administrative Assistant Date 07/02/99

(This space for Federal or State office use)

Approved by \_\_\_\_\_ Title \_\_\_\_\_ Date \_\_\_\_\_

Conditions of approval, if any:

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

**\*See Instructions on Reverse Side**

# ROSEWOOD RESOURCES, INC.

DAILY WORKOVER REPORT

DATE 7/1/99

PROSPECT <b>HANGING ROCK "H"</b>	WELL NAME & NUMBER <b>#25-13</b>	SEC. <b>25</b>	TWP. <b>11S</b>	RNG. <b>23E</b>	COUNTY <b>UINTAH</b>	STATE <b>UTAH</b>
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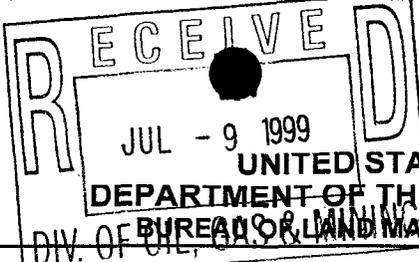
PBTD	TODAYS OPERATION <b>RDMO WORKOVER RIG</b>					
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DAYS <b>2</b>	PERFS	TBG	PKR / ANCHOR	CSG <b>4 1/2" @ 4975'</b>	CONTRACTOR <b>K&amp;S RIG #1</b>	
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YESTERDAYS OPERATIONS  
 R/U SCHLUMBERGER. RIH & SET CIBP @ 3620'. RIH & DUMP BAIL 35' CEMENT ON PLUG. RIH & SET CIBP @ 2200'. RIH & DUMP BAIL 35' CEMENT ON PLUG. RIH W/ 3 3/8" CSG GUN. PERFORATE 4 HOLES @ 650'. R/D WIRELINE. R/U HALLIBURTON. PUMP 10 BBLS DOWN CSG & EST CIRCULATION. PUMP 50 BBLS FRESH WATER. MIX & PUMP 234sx PREM. NEAT CEMENT. CIRCULATED CEMENT IN & OUT TO SURFACE. N/D BOP'S & TUBINGHEAD. CLEAN UP & R/D HALLIBURTON. SDFN  
 \* JAMES SPARGER (BLM REPRESENTATIVE) ON LOCATION & WITNESSED PLUGGING PROCEDURES.

COST DETAIL	Daily	Cumulative	COST DETAIL	Daily	Cumulative
LOCATIONS & ROADS			CASING		
RIG	1400	2,000	TUBING		
DOWNHOLE EQUIPMENT			WELLHEAD		
WATER	750	750	PRODUCTION EQUIPMENT		
TANKS			HOT OILER		
SUPERVISION	500	1000	SNUBBING UNIT & N2		
BOP RENTAL	175	350	SLICKLINE		
WIRELINE	4415	4,415	FISHING TOOLS & OPER.		
TRUCKING			ROSEWOOD RENTAL		
TREATMENT			COMPLETION COSTS		13,055
SURF. EQUIP. RENTAL	20	40	DRILLING COSTS		
CEMENT	4500	4500	TOTAL COSTS	11,760	13,055

WELL SITE REPRESENTATIVE <b>SALTY MILLER</b>	DATE <b>7-1-99 THURSDAY</b>
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SUBMIT IN DUPLICATE\*  
(See other instructions on reverse side)

FORM APPROVED  
OMB NO. 1004-0137  
Expires: February 28, 1995

5. LEASE DESIGNATION AND SERIAL NO.  
**UTU-66408**

**WELL COMPLETION OR RECOMPLETION REPORT AND LOG\***

1a. TYPE OF WORK  
 OIL WELL  GAS WELL  DRY  Other \_\_\_\_\_  
 1b. TYPE OF WELL  
 NEW WELL  WORK OVER  WELL-EN  PLUG BACK  WAF RESVR.  Other **P & A**

7. UNIT AGREEMENT NAME  
**HANGING ROCK**

8. FARM OR LEASE NAME, WELL NO.  
**HANGING ROCK H #25-13**

2. NAME OF OPERATOR  
**ROSEWOOD RESOURCES, INC.**

9. API WELL NO.  
**43-047-32852**

3. ADDRESS AND TELEPHONE NO.  
**P.O. BOX 1668, VERNAL, UT 84078 435-789-0414**

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

4. LOCATION OF WELL (Report locations clearly and in accordance with any State requirements.)\*  
 At Surface  
**623' FSL 725' FWL SW/SW**  
 At top prod. Interval reported below  
 At total depth

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA  
**SEC. 25, T11S, R23E**  
**Block & Survey: S.L.B. & M**

**CONFIDENTIAL**

14. PERMIT NO. **UT080-7M-164** DATE ISSUED **4/2/97**  
 12. COUNTY OR PARISH **UINTAH** 13. STATE **UTAH**

15. DATE SPUDDED **5/30/98** 16. DATE T.D. REACHED **6/12/98** 17. DATE COMPL. (Ready to prod.) **P&A'd 6/30/99** 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)\* **5712' GL** 19. ELEV. CASINGHEAD **5727' KB**

20. TOTAL DEPTH, MD & TVD **5000'** MD TVD 21. PLUG, BACK T.D., MD & TVD 22. IS MULTIPLE COMPL., HOW MANY\* 23. INTERVALS DRILLED BY **545' - 5000'** ROTARY TOOLS CABLE TOOLS **NA**

25. WAS DIRECTIONAL SURVEY MADE **NO**  
 26. TYPE ELECTRIC AND OTHER LOGS RUN **AI/LC/GR, CNLD/GR, ML/GR, MUD LOG, CBL/GR**  
 27. WAS WELL CORED **NO**

**CONFIDENTIAL PERIOD EXPIRED ON 1-9-2000**

23. CASING RECORD (Report all strings set in well)

CASING SIZE/GRADE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	TOP OF CEMENT, CEMENTING RECORD	AMOUNT PULLED
9-5/8" J-55	36#	531' KB	12 1/4"	SURF-300 sx "G"	NONE
4-1/2" J-55	11.6#	4975'KB Stage Tool @ 2513'	7 7/8"	LEAD W/285 SKS HALCO-LITE TAIL W/410 SKS "G" CMT	NONE

29. LINER RECORD 30. TUBING RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					None		

31. PERFORATION RECORD (Interval, size and number) 32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

INTERVAL	SIZE	NUMBER	DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
See page 2 for P & A details.				

PRODUCTION

DATE FIRST PRODUCTION	PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)	WELL STATUS (Producing or shut-in)					
P & A'd 6/30/99		P & A					
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL--BBL.	GAS--MCF.	WATER--BBL.	GAS-OIL RATIO
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL-BBL.	GAS--MCF.	WATER--BBL.	OIL GRAVITY-API (CORR.)	

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

35. LIST OF ATTACHMENTS  
 36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records  
 SIGNED Lucy Nemer TITLE ADMINISTRATIVE ASSISTANT DATE 7/3/99

\*(See Instructions and Spaces for Additional Data on Reverse Side)

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

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.	GEOLOGIC MARKERS		
				NAME	MEAS. DEPTH	TRUE VERT. DEPTH
			<p>Plugging Details</p> <p>RIH &amp; SET CIBP @ 3620'</p> <p>Dump Bail 35' cement on plug.</p> <p>RIH &amp; SET CIBP @ 2200'</p> <p>Dump Bail 35' cement on plug.</p> <p>RIH w/ 3 3/8" csg gun. Perforate 4 holes @ 650'</p> <p>Pump 10 bbbls down csg &amp; est circulation.</p> <p>Pump 50 bbbls fresh water.</p> <p>Mix &amp; Pump 234 sx prem neat cement.</p> <p>Circulated cement in &amp; out to surf.</p>	<p>38.</p> <p>WASATCH</p> <p>MESA VERDE</p>	<p>2578'</p> <p>4102'</p>	

COPIES: BLM - VERNAL/ORIG. & 2 COPIES; DIV. OG&M - DALLAS 1 COPY;