

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK  
 DRILL  DEEPEN  PLUG BACK

b. TYPE OF WELL  
 OIL WELL  GAS WELL  OTHER

2. NAME OF OPERATOR  
 Supron Energy Corporation

3. ADDRESS OF OPERATOR  
 Bldg. V. Fifth Floor  
 10300 N. Central Expwy Dallas, Texas 75241

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)\*  
 At surface  
 SW/4 NW/4 2100' FNL & 500' FWL  
 At proposed prod. zone  
 SW/4 NW/4 2100' FNL & 500' FWL

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*  
 7 1/2" miles West Northwest of Cisco, Utah

15. DISTANCE FROM PROPOSED\* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drig. unit line, if any)  
 500'

16. NO. OF ACRES IN LEASE  
 1926.5

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.  
 1 3/4 mile

19. PROPOSED DEPTH  
 2800'

20. ROTARY OR CABLE TOOLS  
 Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)  
 4640' GR.

22. APPROX. DATE WORK WILL START\*  
 9-25-78

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
11"	8 5/8" or 7 5/8"	24# or 26.4#	200'	Cement to Surface
7 7/8" or 6 3/4"	5 1/2" or 4 1/2"	15.5# or 10.5#	2800'	100 SXS

Supron Energy Corporation proposes to drill this well as follows:

1. Drill 11" hole to 200'. Run either 8 5/8", 24#, Csg. or 7 5/8", 26.4# csg. and cement to surface.
2. Drill either 7 7/8" or 6 3/4" hole to TD of ± 2800'.
3. Run logs. If warranted, 5 1/2" or 4 1/2" production casing will be run & set @ TD and cemented as necessary.
4. Perforate & stimulate productive zones to establish commercial production.

Supron will drill and operate this well.

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

24. SIGNED Dan R. Collins TITLE Operations Assistant DATE Sept. 8, 1978

(This space for Federal or State office use)

PERMIT NO. \_\_\_\_\_ APPROVAL DATE \_\_\_\_\_

APPROVED BY S.P. Kohn TITLE ACTING DISTRICT ENGINEER DATE DEC 6 1978

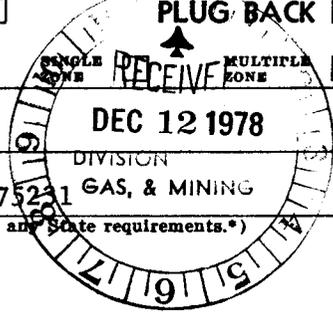
CONDITIONS OF APPROVAL, IF ANY:

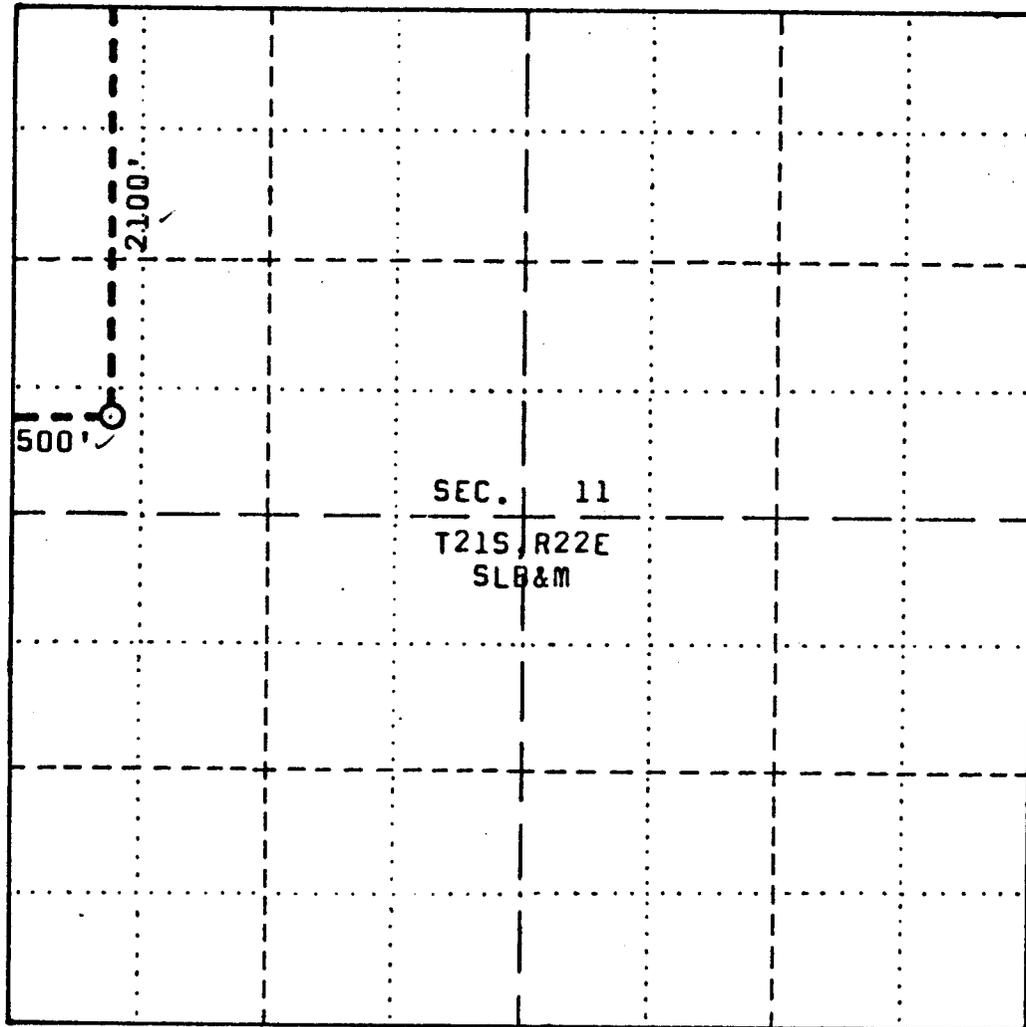
NOTICE OF APPROVAL

State 046

\*See Instructions On Reverse Side  
 CONDITIONS OF APPROVAL ATTACHED  
 TO OPERATOR'S COPY

NECESSARY FLARING OF GAS DURING DRILLING AND COMPLETION APPROVED SUBJECT TO ROYALTY (NTL-4)





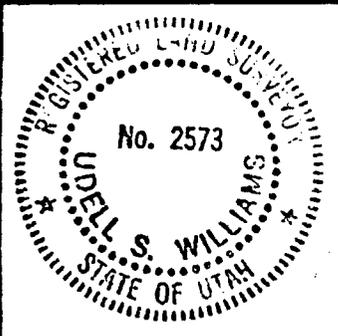
SCALE: 1" = 1000'

**SUPRON ENERGY CORPORATION**  
**MOBIL 11-21-22 #1**

Located South 2100 feet from the North boundary and East 500 feet from the West boundary of Section 11, T21S, R22E, SLB&M.

Elev. 4640

Grand County, Utah



**SURVEYOR'S 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

*Udell S. Williams*  
 UTAH R.L.S. NO. 2573



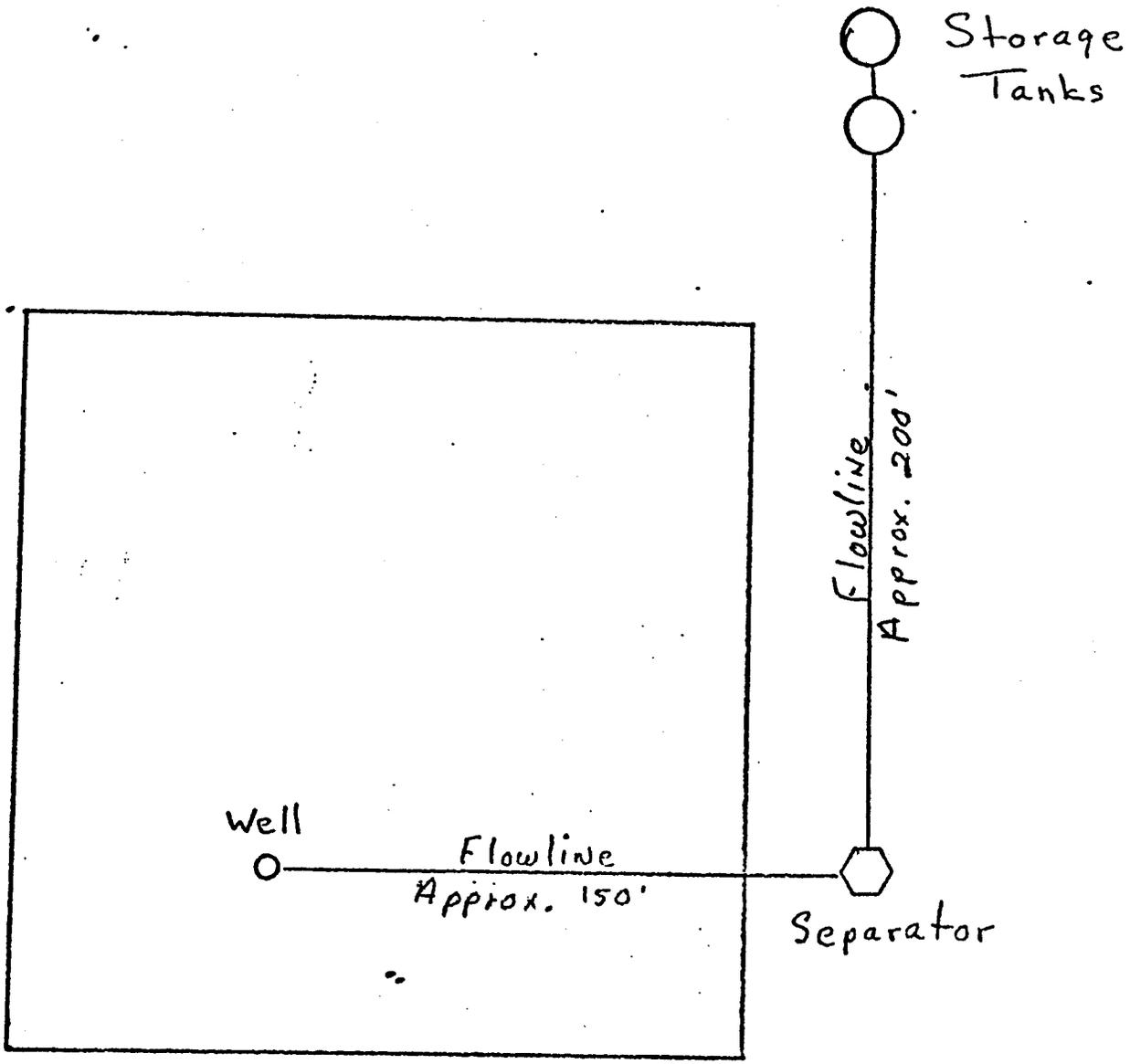
**UDELL S. WILLIAMS**  
 751 Rood Avenue  
 GRAND JUNCTION, COLORADO 81501

PLAT OF  
 PROPOSED LOCATION  
**SUPRON ENERGY CORPORATION**  
**MOBIL 11-21-22 #1**  
**SEC. 11, T21S, R22E, SLB&M**

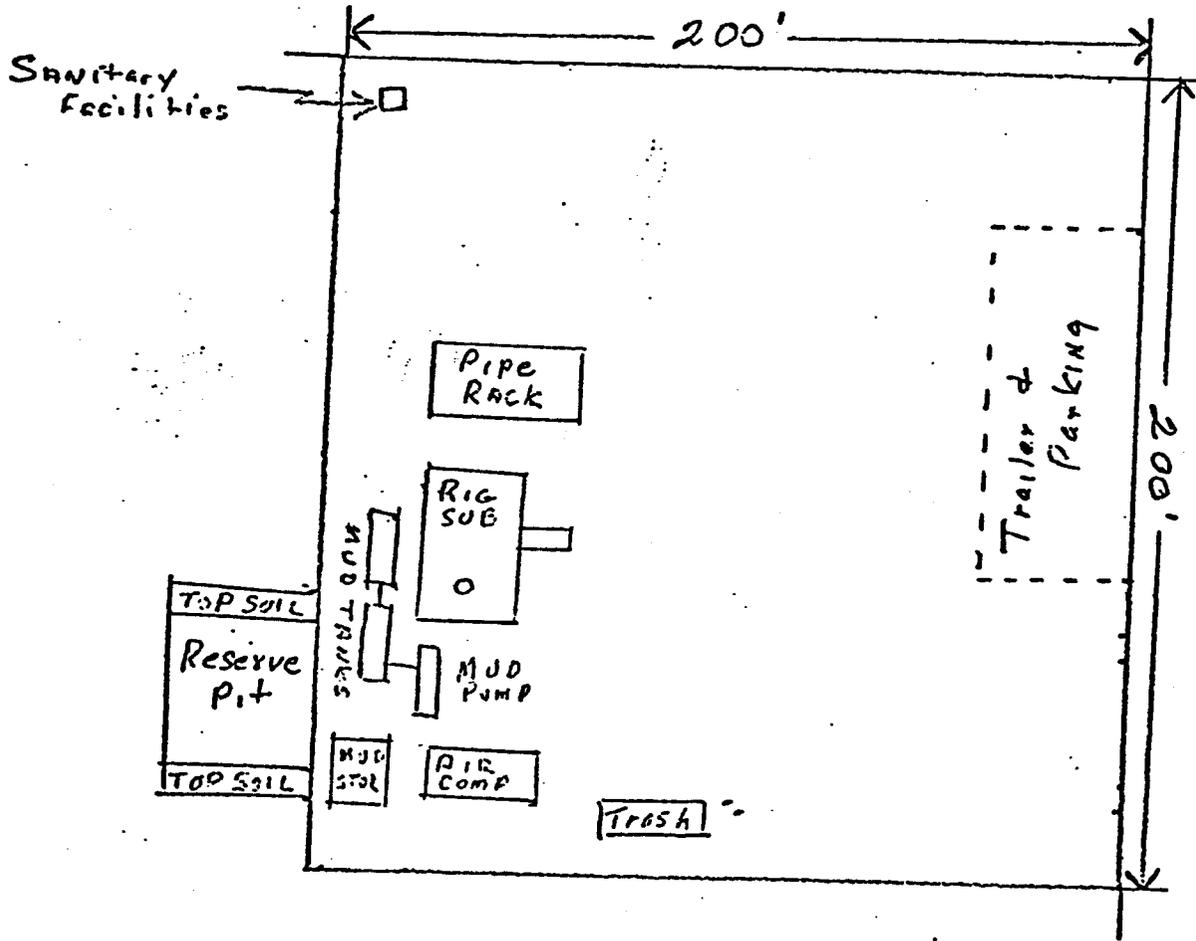
SURVEYED BY: USW DATE: 8/23/78  
 DRAWN BY: USW DATE: 8/26/78



12



PROPOSED PRODUCTION FACILITIES  
Supron Energy Corporation  
Mobil 11-21-22 #1  
Grand County, Utah



PROPOSED RIGLAYOUT  
 Supron Energy Corporation  
 Mobil 11-21-22 #1  
 Grand County, Utah

<u>SPECIES</u>		<u>LB/ACRE</u>
<u>Grass</u>		
<u>Oryzopsis hymenoides</u>	Indian Rice Grass	1
<u>Agropyron desertorum</u>	Standard Crested Wheatgrass	1
<u>Forbs</u>		
<u>Penstemon palmeri</u>	Palmer Penstemon	1
<u>Helianthus annus</u>	Wild Sunflower	1
<u>Shrubs</u>		
<u>Artiplex confertifolia</u>	Shadscale	1
<u>Atriplex gardenerii</u>	Gardner Saltbush	1
<u>Eurotia lanata</u>	Winter Fat	1
		<hr style="width: 50px; margin: 0 auto;"/> 7

1. Inform this office before beginning work.

**SUPRON ENERGY CORPORATION**

BLDG. V, FIFTH FLOOR  
10300 NORTH CENTRAL EXPRESSWAY  
DALLAS, TEXAS 75231

TELEPHONE (214) 691-9141  
TWX (910) 861-9117  
SUPCO-DAL

September 7, 1978

District Engineer  
United States Geological Survey  
8426 Federal Building  
125 South State Street  
Salt Lake City, Utah 84138

Dear Sir:

Listed below as per requirement for compliance with NTL-6 is the geological and well control information for Supron Energy Corporation's proposed well to be drilled in the SW/4 NW/4 Section 11, Township 21 South Range 22 East, Grand County, Utah.

1. The surface location is Manco.
2. The estimated tops of the geological markers are shown on the attached geological prognosis.
3. a.) No water or mineral bearing zones are anticipated.  
b.) The Entrada zone is anticipated to be productive.
4. The proposed casing program is as follows:  
a.) Surface Casing: Either 8 5/8", 24#, or 7 5/8" 26.4#, new.  
b.) Production Casing: Either 5 1/2" or 4 1/2" new.
5. Pressure central equipment will be as follows:  
a.) Casing Head - Series 900  
b.) Blow out preventer - 10" Series 900 Schaffer type "B" double rams hydraulic or equivalent. B. O. P. will be tested prior to drilling out and checked daily with the results being entered on the drillers log. (See attached sketch.)
6. It is proposed that the well be drilled with air. If conditions warrant, however, a fresh water gel mud system will be used.
7. Auxillary equipment will be used as follows:  
a.) Kelly cocks - yes  
b.) Floats on bit - no

District Engineer  
United States Geological Survey  
Salt Lake City, Utah 84138

Page 2 - continued

7. c.) Mud system will be monitored by visual means only.  
d.) Full open safety valve on floor - yes.
8. Testing, logging and coring programs are indicated on attached geological prognosis.
9. No abnormal pressures, temperatures, or hazards are anticipated.
10. The anticipated starting date is September 25, 1978 and operations should last approximately 5 to 10 days.

Yours very truly,

*Dan R. Collier*

Dan R. Collier  
Operations Assistant

DRC/bh

July 5, 1978

*corrected footage*

WELL PROGNOSIS

Cisco Area  
Grand County, Utah

WELL NAME:

Supron Energy Corporation - #1 Mobil 11-21-22

LOCATION:

~~2300~~ ~~800~~ *5074 NW74*  
2100' fnl & 500' fwl, Section 11 - Township 21 South, Range 22  
East, Grand County, Utah *CA 117,*

WELL TYPE:

Wildcat *File*

ELEVATION:

4640' - estimated from topo map

TOTAL DEPTH:

2800' or depth sufficient to test the Entrada formation

ESTIMATED TOPS:

Dakota	1887'
Buckhorn	1951'
Morrison	2008'
Salt Wash	2404'
Summerville	2450'
Entrada	2650'

SAMPLES:

30' samples from base of surface to 1500' and 10' samples from 1500' to TD.

CORES:

None planned

*399-141-78*

DRILL STEM TESTS:

None planned while air drilling - if converted to mud drilling  
all zones with porosity and shows to be tested.

OBJECTIVE FORMATIONS:

Dakota  
Buckhorn  
Salt Wash  
Entrada

LOGGING PROGRAM:

Schlumberger Induction Log: TD - base of surface  
Schlumberger Compensated Neutron-Density: TD - base of surface

SUPRON ENERGY CORPORATION PERSONNEL:

Geologists:

Mark Reishus

(214) 691-9141 (office)  
(214) 242-7048 (home)

Rod Perkins

(214) 691-9141 (office)  
(214) 238-9471 (home)

Engineers:

Haskell Fleetwood

(214) 691-9141 (office)  
(214) 234-5261 (home)

Gordy Gudvangen

(701) 756-6748 (office)  
(701) 546-4531 (office)

Mark Reishus

Approved: John W. Higgins

Distribution:

A. N. Wiederkehr  
L. S. Muemink  
J. W. Higgins  
H. Fleetwood  
S. K. Arora  
B. J. Curtis  
N. McCaffery  
Geology File

**SUPRON ENERGY CORPORATION**

**BLDG. V, FIFTH FLOOR  
10300 NORTH CENTRAL EXPRESSWAY  
DALLAS, TEXAS 75231**

**TELEPHONE (214) 691-9141  
TWX (910) 861-9117  
SUPCO-DAL**

**September 6, 1978**

**District Engineer  
United States Geological Survey  
8426 Federal Building  
125 South State Street  
Salt Lake City, Utah 84138**

**Dear Sir:**

Listed below, as required for compliance with NTL-6, are the multi-point requirements for a proposed well to be drilled by Supron Energy Corporation in the SW/4 NW/4 of Section 11, Township 21 South Range 22 East, Grand County, Utah. (Federal Lease # U-11244). This well to be known as Supron Energy Corporation's Mobil 11-21-22 #1 well.

1. a.) See attached survey plat for the proposed well site as staked.  
b.) The proposed location is approximately 7 1/2 miles West Northwest of Cisco, Utah.  
c.) See attached map for existing access roads.  
d.) Any damage to existing roads as a result of the drilling operations of this well will be repaired by Supron.
  
2. See attached topographic map for proposed access roads.  
a.) Proposed access will be approximately 16' wide.  
b.) Maximum grade will be less than four per cent.  
c.) There will be no turn outs.  
d.) For drilling operations, the proposed access will be bladed for marking purposes with a minimum or no drainage provided. If a commercially productive well is established, the road will be up-graded and with drainage provided as necessary.  
e.) Some cut may be involved in widening the road enough to gain access. No major fills needed.  
f.) The proposed access road will not be surfaced for drilling operations, other than to ensure passage. If the well is successful, the road will be up-graded and surfaced as necessary, using commercially available materials.

District Engineer  
United States Geological Survey  
Salt Lake City, Utah 84138

Page 2 - continued

2. g.) No cattle guards or fence cutting will be necessary.  
h.) The proposed access has been staked.
3. There are no existing wells within a one (1) mile radius of the proposed location.
4. a.) There are no existing production facilities within a one (1) mile radius.  
b.) If commercial production is established necessary production equipment will be installed.  
c.) Disturbed areas no longer needed will be re-shaped, top soil re-distributed, and re-vegetated to B. L. M. requirements.
5. No water well will be drilled. Water necessary for this operation will be trucked into the location using available and proposed access.
6. Any construction materials required will be obtained through available commercial sources.
7. Waste materials will be disposed of as follows:
  - a.) Cuttings - contained in an earthen pit and buried after completion of operations.
  - b.) Drilling Fluids - contained in tanks and disposed of in an acceptable manner yet to be determined.
  - c.) Produced Fluids - contained in tanks and disposed of in an acceptable manner yet to be determined.
  - d.) Sewage - approved sanitation facilities will be provided by the drilling contractor and employees required to use them.
  - e.) Garbage and other waste materials will be contained in an adequately fenced trash pit and buried after completion of operations.
  - f.) Area will be cleaned as much as is practical prior to the rig being moved and to be restored to B. L. M. requirements as soon as possible thereafter.
8. There will be no camps or airstrips constructed.

District Engineer  
United States Geological Survey  
Salt Lake City, Utah 84138

Page 3 - continued

9.
  - a.) Area is essentially level with no major cuts or fills required.
  - b.) See attached sketch
  - c.) See attached sketch
  - d.) Reserve pits will be unlined unless necessary to prevent seepage.
  
10. Surface restoration will be as follows:
  - a.) During construction, topsoil will be stripped and stockpiled on the edge of the location. As soon as is practical after completion of operations, the location will be leveled and topsoil re-distributed over the area. Waste materials will be disposed of as outlined in Section 7.
  - b.) As soon as is practical after completion of operations, the area will be re-vegetated per B. L. M. requirements.
  - c.) Reserve pits will be fenced prior to the rig moving off.
  - d.) All oil will be removed from reserve pits.
  - e.) Rehabilitation will commence as soon as practical after completion.
  
11. General Information
  - a.) The proposed location is essentially level with no significant geological features. The soil is surface sand with range grass the predominant vegetation.
  - b.) There is no known surface use of the land at this time.
  - c.) There is no water or occupied dwelling in the immediate area. There are no known archeological, historical or cultural sites on the area.
  
12. Supron Energy Corporation's representative will be:

Dan R. Collier  
Building V Fifth Floor  
10300 North Central Expressway  
Dallas, Texas 75231

District Engineer  
United States Geological Survey  
Salt Lake City, Utah 84138

Page 4 - continued

13. Certification:

I hereby certify that I or persons under my direct supervision, have inspected the proposed drillsite and access route; that I am familiar with the conditions which presently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and, that the work associated with the operations proposed herein will be performed by Supron Energy Corporation and it's contractors and sub-contractors in conformity with this plan and the terms and conditions under which it is approved.

September 5, 1978  
Date

Dan R. Collier  
Dan R. Collier  
Operations Assistant

Enclosures

Supron Energy Corp.  
Well # 1  
Sec. 11-21S-22E  
U-11244

### Supplemental Stipulations

1. Operator will be responsible for restoration of the access road from the county road on Windy Mesa to the well site.
2. Stockpile the surface 6" of topsoil in a wind-row as indicated on the enclosed plat.
3. Well pad will be 150' x 200' as agreed during on-site inspection.
4. If production is obtained, the access road will be upgraded to BLM specifications for long-term roads as outlined in the surface use standards section of the oil and gas pamphlet (joint BLM/USGS publication).
5. The "blooey" line will be centered and directed into the pit.
6. The upper banks (uphill side) of all cuts will be rounded during construction of the access road and pad.
7. The well temperatures will be monitored and recorded from surface to total depth. In the event elevated temperatures are encountered, the District Engineer will be contacted for appropriate action to protect the potential geothermal resource.
8. Construction and maintenance for surface use approved under this plan should be in accordance with the surface use standards as set forth in the BLM/GS oil and gas brochure entitled, "Surface Operating Standards for Oil and Gas Exploration and Development". This includes, but is not limited to such items as road construction and maintenance, handling of top soil, and rehabilitation.

United States Department of the Interior  
Geological Survey  
8440 Federal Building  
Salt Lake City, Utah 84138

Usual Environmental Analysis

Lease No. U-11244

Operator Supron Energy Corporation

Well No. 1

Location SW $\frac{1}{4}$  NW $\frac{1}{4}$

Sec. 11

T. 21S.

R. 22E.

County Grand

State Utah

Field Wildcat

Status: Surface Ownership Public

Minerals Federal

Joint Field Inspection Date October 26, 1978

Participants and Organizations:

Elmer Duncan

BLM - Moab

George Welson

Supron Energy Corporation

Rob Ryan

Archeologist

Ray Foster

U. S. Geological Survey

Related Environmental Analyses and References:

- (1) Unit Resource Analysis  
Book Mountain Planning Unit (06-01)
- (2) BLM - Moab, Utah

*Pad 150 x 200  
Pit 50 x 50  
1-mi. new access  
1/2 mi. upgrade access.  
Flow line not in d.  
Stockpile topsoil  
2.7.0 c*

Analysis Prepared by: Ray Foster  
Environmental Scientist  
Salt Lake City

Reviewed by: George Diwachak  
Environmental  
Scientist  
Salt Lake City

Date October 27, 1978

Noted - G. Diwachak

*State O&G*

Proposed Action:

On September 11, 1978, Supron Energy Corporation filed an Application for Permit to Drill the No. 1 exploratory well, 2800-foot oil and gas test of the Entrada Formation; located at an elevation of 4640 ft. in the SW $\frac{1}{4}$  NW $\frac{1}{4}$  Section 11, T. 21S., R. 22E. on Federal mineral lands and Public surface; Lease No. U-11244. There was no objection raised to the wellsite nor to the access road.

A rotary rig would be used for the drilling. An adequate casing and cementing program is proposed. Fresh-water sands and other mineral-bearing formations would be protected. A Blowout Preventor would be used during the drilling of the well. The proposed pressure rating should be adequate. Details of the operator's NTL-6 10-Point Subsurface and 13-Point Surface Protection Plans are on file in the U.S.G.S. District Office in Salt Lake City, Utah and the U.S.G.S. Northern Rocky Mountain Area Office in Casper, Wyoming.

A working agreement has been reached with the Bureau of Land Management, the controlling surface agency. Rehabilitation plans would be decided upon as the well neared completion; the Surface Management Agency would be consulted for technical expertise on those arrangements.

The operator proposes to construct a drill pad 150 ft. wide x 200 ft. long and a reserve pit 50 ft. x 50 ft. A new access road would be constructed 16 ft. wide x 1 mile long and upgrade 18 ft. wide by  $\frac{1}{2}$  miles access road from an existing and improved road. The operator proposes to construct production facilities on the disturbed area of the proposed drill pad.

If production is established, plans for a gas flow line would be submitted to the appropriate agencies for approval. The anticipated starting date is upon approval and duration of drilling activities would be about five to ten days.

Location and Natural Setting:

The proposed drill site is approximately  $7\frac{1}{2}$  miles west northwest of Cisco, Utah, the nearest town. A fair road runs to within 1-1/2 miles of the location. This well is a wildcat.

Topography:

Rolling terrain of shale hills cut by erosional gullies. Location is on a level area. A dry wash lies to the north.

**Geology:**

The surface geology is Mancos Shale. The soil is sandy shale. No geologic hazards are known near the drillsite. Seismic risk for the area is minor. Anticipated geologic tops are filed with the 10-Point Subsurface Protection Plan.

Approval of the proposed action would be conditioned that adequate and sufficient electric/radioactive/density logging surveys would be made to locate and identify any potential mineral resources. Production casing and cementing would be adjusted to assure no influence of the hydrocarbon zones through the well bore on these minerals. In the event the well is abandoned, cement plugs would be placed with drilling fluid in the hole to assure protection of any mineral resources.

The potential for loss of circulation would exist. Loss of circulation may result in the lowering of the mud levels, which might permit exposed upper formations to blow out or to cause formation to slough and stick to drill pipe. A loss of circulation would result in contamination due to the introduction of drilling muds, mud chemicals, filler materials, and water deep in to the permeable zone, fissures, fractures, and caverns within the formation in which fluid loss is occurring. The use of special drilling techniques, drilling muds, and lost circulation materials may be effective in controlling lost circulation. The operator proposes to drill with air methods, eliminating lost circulation problems.

A geologic review of the proposed action has been furnished by the Area Geologist, U.S. Geological Survey, Salt Lake City, Utah.

The operator's drilling, cementing, casing and blowout prevention programs have been reviewed by the Geological Survey engineers and determined to be adequate.

**Soils:**

No detailed soil survey has been made of the project area. The top soils in the area range from a sandy clay to a clay type soil. The soil is subject to runoff from rainfall and has a high runoff potential and sediment production would be high. The soils are mildly to moderately alkaline and support the salt-desert shrub community.

Top soil would be removed from the surface and stockpiled. The soil would be spread over the surface. Rehabilitation is necessary to prevent erosion and encroachment of undesired species on the disturbed areas. The operator proposes to rehabilitate the location and access roads per the recommendations of the Bureau of Land Management.

Approximately 2.7 acres of land would be stripped of vegetation. This would increase the erosional potential. Proper construction practice, construction of water bars, reseeding of slope-cut area would minimize this impact.

Air:

No specific data on air quality is available at the proposed location. There would be a minor increase in air pollution due to emissions from rig and support traffic engines. Particulate matter would increase due to dust from travel over unpaved dirt roads. The potential for increased air pollution due to leaks, spills, and fire would be possible.

Relatively heavy traffic would be anticipated during the drilling-operations phase, increasing dust levels and exhaust pollutants in the area. If the well was to be completed for production, traffic would be reduced substantially to a maintenance schedule with a corresponding decrease of dust levels and exhaust pollutants to minor levels. If the project results in a dry hole, all operations and impact from vehicular traffic would cease after abandonment. Due to the limited number of service vehicles and limited time span of their operation, the air quality would not be substantially reduced.

Toxic or noxious gases would not be anticipated.

Precipitation:

Annual rainfall should range from about 8 to 11" at the proposed location. The majority of the numerous drainages in the surrounding area are of a non-perennial nature flowing only during early spring runoff and during extremely heavy rain storms. This type of storm is rather uncommon as the normal annual precipitation is around 8".

Winds are medium and gusty, occurring predominately from west to east. Air mass inversions are rare. The climate is semi-arid with abundant sunshine, hot summers and cold winters with temperature variations on a daily and seasonal basis.

Surface Water Hydrology:

Drainage is to the south into a dry wash, toward Pinto wash a non-perennial tributary of the Colorado River.

Some additional erosion would be expected in the area since surface vegetation would be removed. If erosion became serious, drainage systems such as water bars and dikes would be installed to minimize the problem. The proposed project should have minor impact on the surface water systems. The potentials for pollution would be present from leaks or spills. The operator is required to report and clean-up all spills or leaks.

### Ground Water Hydrology:

Some minor pollution of ground water systems would occur with the introduction of drilling fluids (filtrate) into the aquifer. This is normal and unavoidable during rotary drilling operations. The potential for communication, contamination and comingling of formations via the well bore would be possible. The drilling program is designed to prevent this. There is need for more data on hydrologic systems in the area and the drilling of this well may provide some basic information as all shows of fresh water would be reported. Water production with the gas would require disposal of produced water per the requirements of NTL-2B. The depths of fresh water formations are listed in the 10-Point Subsurface Protection Plan. There would be no tangible effect on water migration in fresh water aquifers. The pits would be unlined. If fresh water should be available from the well, the owner or surface agency may request completion as a water well if given approval.

### Vegetation:

Vegetation on the location consists of sage, greasewood, snakeweed, and sparse grasses.

Plants in the area are of the salt-desert-shrub types.

Proposed action would remove about 2.7 acres of vegetation. Removal of vegetation would increase the erosional potential and there would be a minor decrease in the amount of vegetation available for grazing.

The operator proposes to rehabilitate the surface upon completion of operations.

### Wildlife:

Animal and plant inventory has been made by the BLM. No endangered plants or animals are known to habitat on the project area. The fauna of the area consists predominantly of mule deer, coyotes, rabbits, foxes, and varieties of small ground squirrels and other types of rodents and various types of reptiles. The area is used by man for the primary purpose of grazing domestic livestock and sheep. The birds of the area are raptors, finches, ground sparrow, magpies, crows, and jays.

### Social-Economic Effect:

An on the ground surface archaeological reconnaissance would be required prior to approval of the proposed action. Appropriate clearances would then be obtained from the surface managing agency. If a historic artifact, an archaeological feature or site is discovered during construction operations; activity would cease until the extent, the scientific importance, and the method of mitigating the adverse effects could be

determined by a qualified cultural resource specialist.

There are no occupied dwellings or other facilities of this nature in the general area. Minor distractions from aesthetics would occur over the lifetime of the project and is judged to be minor. All permanent facilities placed on the location would be painted a color to blend in with the natural environment. Present use of the area is grazing, recreation, and oil and gas activities.

Noise from the drilling operation may temporarily disturb wildlife and people in the area. Noise levels would be moderately high during drilling and completion operations. Upon completion, noise levels would be infrequent and significantly less. If the area is abandoned, noise levels should return to pre-drilling levels.

The site is not visible from any major roads. After drilling operations, completion equipment would be visible to passersby of the area but would not present a major intrusion.

The economic effect on one well would be difficult to determine. The overall effect of oil and gas drilling and production activity are significant in Grand County, Utah.

But should this well discover a significant new hydrocarbon source, local, state, and possible national economics might be improved. In this instance, other development wells would be anticipated, with substantially greater environmental and economic impacts.

Should the wellsite be abandoned, surface rehabilitation would be done according to the surface agency's requirements and to USGS's satisfaction. This would involve leveling, contouring, reseeding, etc., of the location and possibly the access road. If the well should produce hydrocarbons, measures would be undertaken to protect wildlife and domestic stock from the production equipment.

There are no national, state, or local parks, forests, wildlife refuges or ranges, grasslands, monuments, trails or other formally designated recreational facilities near the proposed location.

The proposed location is within the Book Mountain Planning Unit. This Environmental Assessment Record was compiled by the Bureau of Land Management, the surface managing agency of the Federal surface in the area. The study includes additional information on the environmental impact of oil and gas operations in this area and gives land use recommendations. The E.A.R. is on file in the agency's State offices and is incorporated herein by reference.

#### Waste Disposal:

The mud and reserves pits would contain all fluids used during the

drilling operations. A trash pit would be utilized for any solid wastes generated at the site and would be buried at the completion of the operations. Sewage would be handled according to State sanitary codes. For further information, see the 13-Point Surface Plan.

Alternative to the Proposed Action:

1) Not Approving the Proposed Permit--The Oil and Gas Lease Grants The Lessee Exclusive Right To Drill For, Mine, Extract, Remove and Dispose Of All Oil and Gas Deposits.

Under leasing provisions, the Geological Survey has an obligation to allow mineral development if the environmental consequences are not too severe or irreversible. Upon rehabilitation of the site, the environmental effects of this action would be substantially mitigated, if not totally annulled. Permanent damage to the surface and subsurface would be prevented as much as possible under U.S.G.S. and other controlling agencies supervision with rehabilitation planning reversing almost all effects. Additionally, the growing scarcity of (oil and gas) should be taken into consideration. Therefore, the alternative of not proceeding with the proposed action at this time is rejected.

2) Minor relocation of the wellsite and access road or any special, restrictive stipulations or modifications to the proposed program would not significantly reduce the environmental impact. There are no severe vegetative, animal, or archaeological-historical-cultural conflicts at the site. Since only a minor impact on the environment would be expected, At abandonment, normal rehabilitation of the area such as contouring, reseeding, etc., would be undertaken with an eventual return to the present status as outlined in the 13-Point Surface Plan.

Adverse Environmental Effects Which Cannot be Avoided:

Surface disturbance and removal of vegetation from approximately 2.7 acres of land surface for the lifetime of the project which would result in increased and accelerated erosional potential. Grazing would be eliminated in the disturbed areas and there would be a minor and temporary disturbance of wildlife and livestock. Minor induced air pollution due to exhaust emissions from rig engines of support traffic engines would occur. Minor increase in dust pollution would occur due to vehicular associated with the operation. If the well is a gas producer, additional surface disturbance would be required to install production pipelines. The potential for fires, leaks, spills of gas, oil or water would exist. During the construction and drilling phases of the project, noise levels would increase. Potential for sub-surface damage to fresh water aquifers and other geologic formations exists. Minor distractions from aesthetics during the lifetime of the project would exist. If the well is a producer, an irreplaceable and irretrievable commitment of resources would be made. Erosion from the site would eventually be carried as sediment in the Colorado River. The potential for pollution to Pinto Wash would exist through leaks and spills.

Determination:

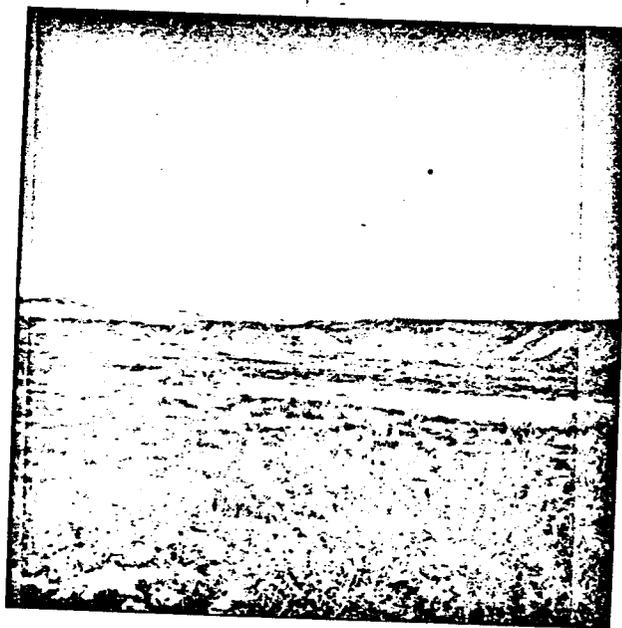
This requested action ~~does~~ does not constitute a major Federal action significantly affecting the environment in the sense of NEPA, Sec. 102(2) (C).

Date

11/29/78

*E. W. [Signature]*

District Engineer  
U.S. Geological Survey  
Conservation Division  
Oil and Gas Operations  
Salt Lake City District



FROM: : DISTRICT GEOLOGIST, ME, SALT LAKE CITY, UTAH

TO : DISTRICT ENGINEER 3, SALT LAKE CITY, UTAH

SUBJECT: APD MINERAL EVALUATION REPORT

LEASE NO. U-11244

OPERATOR: SUPRON ENERGY CORP. *Modell 11-21-22*

WELL NO. 1

LOCATION:  $\frac{1}{2}$  SW  $\frac{1}{2}$  NW  $\frac{1}{2}$  sec. 11, T. 21S., R. 22E., SLM  
GRAND County, UTAH

1. Stratigraphy: OPERATOR ESTIMATES ARE REASONABLE.

2. Fresh Water: SAND LENSES IN THE MANCOS MAY CONTAIN FRESH WATER. DEEPER FORMATIONS MAY CONTAIN USABLE WATER.

3. Leasable Minerals: VALUABLE PROSPECTIVELY FOR COAL AND GEOTHERMAL RESOURCES  
COAL FOUND IN THE MANCOS AND/OR DAKOTA IS LIKELY TO BE SUBECONOMIC.  
GEOTHERMAL POTENTIAL OF THE AREA IS UNTESTED.

4. Additional Logs Needed: TEMPERATURES SHOULD BE MONITORED AND RECORDED  
FROM COLLAR TO T.D. BECAUSE HOLE IS WITHIN A GEOTHERMAL AREA.  
OPERATOR SUITE OF LOGS IS ADEQUATE FOR DAKOTA COAL.

5. Potential Geologic Hazards: NONE ANTICIPATED BUT BECAUSE HOLE IS WITHIN A  
GEOTHERMAL AREA, TEMPERATURES SHOULD BE MONITORED. IF ELEVATED  
TEMPERATURES ARE ENCOUNTERED, DISTRICT ENGINEER SHOULD BE CONTACTED  
BECAUSE CONTINUED DRILLING COULD AFFECT GEOTHERMAL RESOURCE.

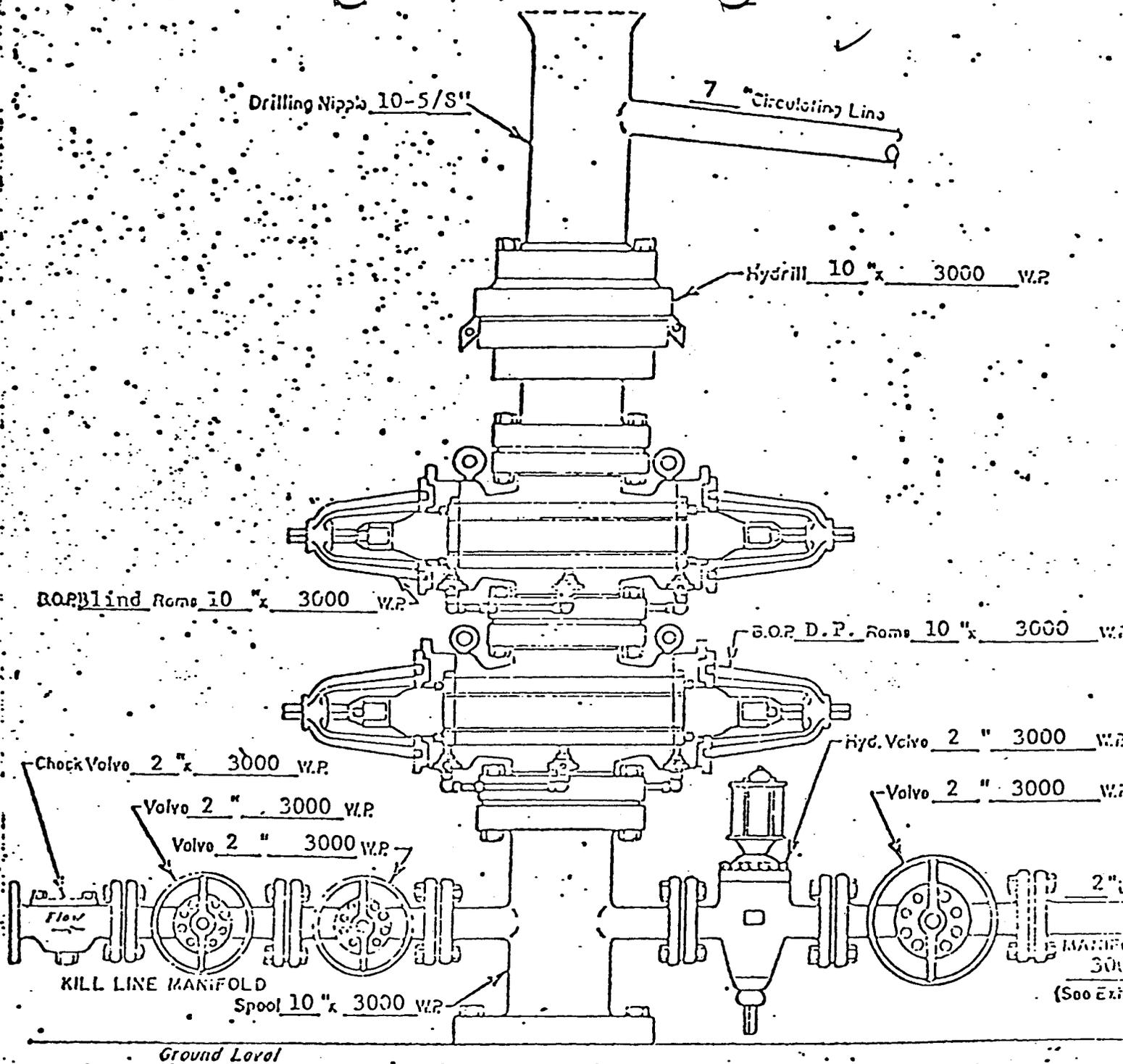
6. References and Remarks:

USGS FILES, S.L.C., UT  
USGS Bull. 862

WITHIN 2 MI. OF CISCO DOME KGS

Signature: TRA

Date: 9-28-78



WELL HEAD B.O.P.  
3000 W.P.

- Manual
- Hydraulic

# DESIGNATION OF OPERATOR

The undersigned is, on the records of the Bureau of Land Management, holder of lease

DISTRICT LAND OFFICE: **Salt Lake City, Utah**  
SERIAL NO.: **U-11244**

and hereby designates

NAME: **Supron Energy Corporation**  
ADDRESS: **Suite 1700, Campbell Centre, 8350 North Central Expressway,  
Dallas, TX 75206**

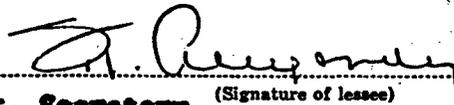
as his operator and local agent, with full authority to act in his behalf in complying with the terms of the lease and regulations applicable thereto and on whom the supervisor or his representative may serve written or oral instructions in securing compliance with the Operating Regulations with respect to (describe acreage to which this designation is applicable):

**NOC-U-1116**  
**Section 11**  
**T-21-S, R-22-E,**  
**S1M**  
**Grand County, Utah**

It is understood that this designation of operator does not relieve the lessee of responsibility for compliance with the terms of the lease and the Operating Regulations. It is also understood that this designation of operator does not constitute an assignment of any interest in the lease.

In case of default on the part of the designated operator, the lessee will make full and prompt compliance with all regulations, lease terms, or orders of the Secretary of the Interior or his representative.

The lessee agrees promptly to notify the supervisor of any change in the designated operator.

  
Asst. Secretary (Signature of lessee)

**MOBIL OIL CORPORATION**  
**9 Greenway Plaza, Suite 2700,**  
**Houston, Texas 77046**  
(Address)

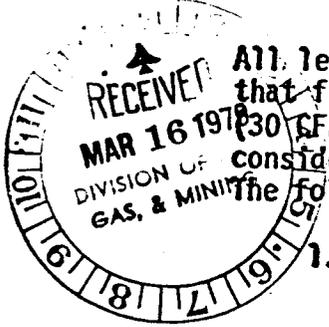
**8/23/78**  
(Date)

CONDITIONS OF APPROVAL FOR NOTICE TO DRILL

*Nobel*

Company Supron Energy Corp. Location Sec. 11-21S-22E  
Well No. 1 Lease No. U-11244

A COPY OF THESE CONDITIONS SHOULD BE FURNISHED YOUR FIELD REPRESENTATIVE TO INSURE COMPLIANCE



All lease and/or unit operations are to be conducted in such a manner that full compliance is made with the applicable laws, regulations (30 CFR 221), and the approved plan of operations. The operator is considered fully responsible for the actions of his subcontractors. The following items are emphasized:



1. There shall be no material deviation from the proposed drilling and/or workover program as approved. Safe drilling and operating practices must be observed. All wells, whether drilling, producing, suspended, or abandoned, shall be identified in accordance with 30 CFR 221.22. Any changes in operations must have prior approval of this office. Pressure tests are required before drilling out from under all casing strings set and cemented in place. Blowout preventer controls must be installed prior to drilling the surface casing plug and will remain in use until the final casing string is run. Preventers will be inspected and operated at least daily to insure good mechanical working order, and this inspection recorded on the daily drilling report. Preventers will be pressure tested before drilling casing cement plugs. All BOP pressure tests must be recorded on the daily drilling report.
2. All shows of fresh water and minerals will be reported and protected. A sample will be taken of any water flows and furnished this office for analysis. All oil and gas shows will be adequately tested for commercial possibilities, reported, and protected.
3. No location will be made 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 this office. In the event abandonment of the hole is desired, a verbal request may be approved by this office but must be timely followed with a confirmation request in writing using the "Sundry Notice" (form 9-331). If a well is suspended or abandoned, all pits will be fenced until they are backfilled.
4. The spud date will be reported to the District Engineer within 48 hours and Form 9-329, "Monthly Report of Operations" will

be ~~used~~ starting with the month in which operations began unless otherwise approved in writing by the district engineer.

"Sundry Notices and Reports on Wells" (form 9-331) will be filed for all changes of plans and other operations in accordance with 30 CFR 221.58. Emergency approval may be obtained verbally, but such approval does not waive the written report requirement. Any additional construction, reconstruction, or alterations of facilities, including roads, gathering lines, batteries, etc., which will result in the disturbance of new ground will require the filing of a suitable plan and prior approval by the survey.

If the drilling operation results in a dry hole, form 9-331 is also to be filed at the time that all surface restoration work has been completed and the location is considered ready for inspection.

5. "Well Completion and Recompletion Report and Log" (form 9-330) will be submitted not later than 15 days after completion of the well or after completion of operations being performed, in accordance with 30 CFR 221.59. Two copies of all logs run, core descriptions, core analyses, well-test data, geologic summaries, sample descriptions, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, will be filed with form 9-330. Samples (cuttings, fluid, and/or gas) will be submitted only when requested by this office.
6. Other: (a) Strict compliance with Surface Use Plan and Supplemental Stipulations:  
(b) Strict compliance with the Well Control Program;  
and (c) Compliance with NTL-28-Section VII (Attached)

7. The U. S. Geological Survey district office address is:

8440 Federal Building, Salt Lake City, Utah 84138

Dist. Engr.	<u>Edgar W. Gynn</u>	Phone	<u>(801) 524-5650</u>
Asst. Engr.	<u>Willis P. Martens</u>	Home Phone	<u>(801) 582-7042</u>
		Home Phone	<u>(801) 466-2780</u>

8. The BLM contact man is: Elmer Duncan, BLM Moab, UT  
Phone \_\_\_\_\_ (Home) 801 259-6111 (Office)

9. Significant surface values (~~are~~) (are not) involved at this location. Accordingly, this office (~~must~~) (need not) be promptly notified as soon as field operations begin.

NTL-2B

VII DISPOSAL FACILITIES FOR NEW WELLS

With the approval of the District Engineer, produced water from wells completed after the issuance date of this Notice may be temporarily disposed of into unlined pits for a period up to 90 days. During the period so authorized, an application for approval of the permanent disposal method, along with the required water analysis and other information, must be submitted to the District Engineer. Failure to timely file and application within the time allowed will be considered an incident of noncompliance and will be grounds for issuing a shut-in order until the application is submitted. With the approval of the District Engineer, the disposal method may be continued pending his final determination. Once the District Engineer has determined the proper method of disposal, the lessee or operator will have until October 1, 1977, or 60 days following receipt of the District Engineer's determination, whichever is longer, in which to make any changes necessary to bring the disposal method into compliance. However, if the disposal method then employed is endangering the fresh water in the area or otherwise constitutes a hazard to the quality of the environment, the District Engineer will direct prompt compliance with the requirements of this Notice.

# SUPRON ENERGY CORPORATION

BLDG. V, FIFTH FLOOR  
10300 NORTH CENTRAL EXPRESSWAY  
DALLAS, TEXAS 75231

TELEPHONE (214) 691-9141  
TWX (910) 861-9117  
SUPCO-DAL.

September 6, 1978

District Engineer  
United States Geological Survey  
8426 Federal Building  
125 South State Street  
Salt Lake City, Utah 84138

Dear Sir:

Listed below, as required for compliance with NTL-6, are the multi-point requirements for a proposed well to be drilled by Supron Energy Corporation in the SW/4 NW/4 of Section 11, Township 21 South Range 22 East, Grand County, Utah. (Federal Lease # U-11244). This well to be known as Supron Energy Corporation's Mobil 11-21-22 #1 well.

1.
  - a.) See attached survey plat for the proposed well site as staked.
  - b.) The proposed location is approximately 7 1/2 miles West Northwest of Cisco, Utah.
  - c.) See attached map for existing access roads.
  - d.) Any damage to existing roads as a result of the drilling operations of this well will be repaired by Supron.
  
2. See attached topographic map for proposed access roads.
  - a.) Proposed access will be approximately 16' wide.
  - b.) Maximum grade will be less than four per cent.
  - c.) There will be no turn outs.
  - d.) For drilling operations, the proposed access will be bladed for marking purposes with a minimum or no drainage provided. If a commercially productive well is established, the road will be up-graded and with drainage provided as necessary.
  - e.) Some cut may be involved in widening the road enough to gain access. No major fills needed.
  - f.) The proposed access road will not be surfaced for drilling operations, other than to ensure passage. If the well is successful, the road will be up-graded and surfaced as necessary, using commercially available materials.

District Engineer  
United States Geological Survey  
Salt Lake City, Utah 84138

Page 2 - continued

2. g.) No cattle guards or fence cutting will be necessary.
- h.) The proposed access has been staked.
3. There are no existing wells within a one (1) mile radius of the proposed location.
4. a.) There are no existing production facilities within a one (1) mile radius.
- b.) If commercial production is established necessary production equipment will be installed.
- c.) Disturbed areas no longer needed will be re-shaped, top soil re-distributed, and re-vegetated to B. L. M. requirements.
5. No water well will be drilled. Water necessary for this operation will be trucked into the location using available and proposed access.
6. Any construction materials required will be obtained through available commercial sources.
7. Waste materials will be disposed of as follows:
  - a.) Cuttings - contained in an earthen pit and buried after completion of operations.
  - b.) Drilling Fluids - contained in tanks and disposed of in an acceptable manner yet to be determined.
  - c.) Produced Fluids - contained in tanks and disposed of in an acceptable manner yet to be determined.
  - d.) Sewage - approved sanitation facilities will be provided by the drilling contractor and employees required to use them.
  - e.) Garbage and other waste materials will be contained in an adequately fenced trash pit and buried after completion of operations.
  - f.) Area will be cleaned as much as is practical prior to the rig being moved and to be restored to B. L. M. requirements as soon as possible thereafter.
8. There will be no camps or airstrips constructed.

District Engineer  
United States Geological Survey  
Salt Lake City, Utah 84138

Page 3 - continued

9.
  - a.) Area is essentially level with no major cuts or fills required.
  - b.) See attached sketch
  - c.) See attached sketch
  - d.) Reserve pits will be unlined unless necessary to prevent seepage.
  
10. Surface restoration will be as follows:
  - a.) During construction, topsoil will be stripped and stockpiled on the edge of the location. As soon as is practical after completion of operations, the location will be leveled and topsoil re-distributed over the area. Waste materials will be disposed of as outlined in Section 7.
  - b.) As soon as is practical after completion of operations, the area will be re-vegetated per B. L. M. requirements.
  - c.) Reserve pits will be fenced prior to the rig moving off.
  - d.) All oil will be removed from reserve pits.
  - e.) Rehabilitation will commence as soon as practical after completion.
  
11. General Information
  - a.) The proposed location is essentially level with no significant geological features. The soil is surface sand with range grass the predominant vegetation.
  - b.) There is no known surface use of the land at this time.
  - c.) There is no water or occupied dwelling in the immediate area. There are no known archeological, historical or cultural sites on the area.
  
12. Supron Energy Corporation's representative will be:

Dan R. Collier  
Building V Fifth Floor  
10300 North Central Expressway  
Dallas, Texas 75231

District Engineer  
United States Geological Survey  
Salt Lake City, Utah 84138

Page 4 - continued

13. Certification:

I hereby certify that I or persons under my direct supervision, have inspected the proposed drillsite and access route; that I am familiar with the conditions which presently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and, that the work associated with the operations proposed herein will be performed by Supron Energy Corporation and it's contractors and sub-contractors in conformity with this plan and the terms and conditions under which it is approved.

September 8, 1978  
Date

Dan R. Collier  
Dan R. Collier  
Operations Assistant

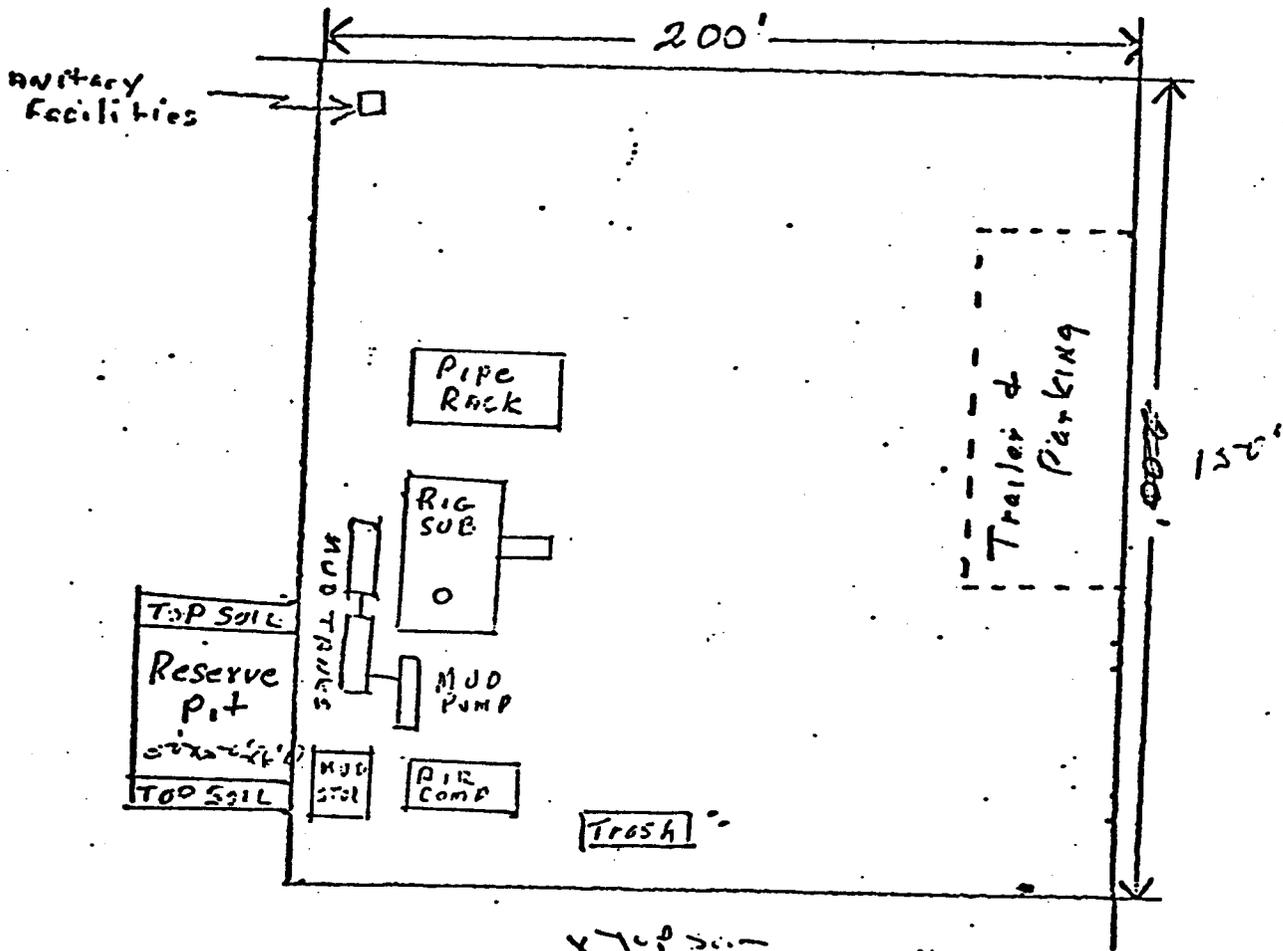
Enclosures

Supron Energy Corp.  
Well # 1  
Sec. 11-21S-22E  
U-11244

### Supplemental Stipulations

1. Operator will be responsible for restoration of the access road from the county road on Windy Mesa to the well site.
2. Stockpile the surface 6" of topsoil in a wind-row as indicated on the enclosed plat.
3. Well pad will be 150' x 200' as agreed during on-site inspection.
4. If production is obtained, the access road will be upgraded to BLM specifications for long-term roads as outlined in the surface use standards section of the oil and gas pamphlet (joint BLM/USGS publication).
5. The "blooey" line will be centered and directed into the pit.
6. The upper banks (uphill side) of all cuts will be rounded during construction of the access road and pad.
7. The well temperatures will be monitored and recorded from surface to total depth. In the event elevated temperatures are encountered, the District Engineer will be contacted for appropriate action to protect the potential geothermal resource.
8. Construction and maintenance for surface use approved under this plan should be in accordance with the surface use standards as set forth in the BLM/GS oil and gas brochure entitled, "Surface Operating Standards for Oil and Gas Exploration and Development". This includes, but is not limited to such items as road construction and maintenance, handling of top soil, and rehabilitation.

2



X Top Soil  
Stack Pits  
**PROPOSED RIG LAYOUT**  
Supron Energy Corporation  
Mobil 11-21-22 #1  
Grand County, Utah

<u>SPECIES</u>		<u>LB/ACRE</u>
<u>Grass</u>		
<u>Oryzopsis hymenoides</u>	Indian Rice Grass	1
<u>Agropyron desertorum</u>	Standard Crested Wheatgrass	1
<u>Forbs</u>		
<u>Penstemon palmeri</u>	Palmer Penstemon	1
<u>Helianthus annus</u>	Wild Sunflower	1
<u>Shrubs</u>		
<u>Artiplex confertifolia</u>	Shadscale	1
<u>Atriplex gardenerii</u>	Gardner Saltbush	1
<u>Eurotia lanata</u>	Winter Fat	1
		<u>7</u>

1. Inform this office before beginning work.

STATE OF UTAH  
DIVISION OF OIL, GAS, AND MINING

\*\* FILE NOTATIONS \*\*

Date: March 19, 1979  
Operator: Supron Energy  
Well No: Mobil 11-21-22  
Location: Sec. 11 T. 21S R. 22E County: Grand

File Prepared:  Entered on N.I.D.:   
Card Indexed:  Completion Sheet:   
API Number: 43-019-30502

CHECKED BY:

Administrative Assistant: [Signature]  
Remarks: No other wells - Sec. 11 - 00  
Petroleum Engineer: M.S.M 3-22-79  
Remarks: Check casing  
Director: 7  
Remarks:

INCLUDE WITHIN APPROVAL LETTER:

Bond Required:  OK Survey Plat Required:   
Order No. 102-8 Surface Casing Change   
to \_\_\_\_\_  
Rule C-3(c), Topographic exception/company owns or controls acreage  
within a 660' radius of proposed site

O.K. Rule C-3  O.K. In \_\_\_\_\_ Unit  
Other:

Letter Written/Approved



SCOTT M. MATHESON  
Governor

GORDON E. HARMSTON  
Executive Director,  
NATURAL RESOURCES

CLEON B. FEIGHT  
Director

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS, AND MINING  
1588 West North Temple  
Salt Lake City, Utah 84116  
(801) 533-5771  
March 26, 1979

OIL, GAS, AND MINING BOARD

CHARLES R. HENDERSON  
Chairman

JOHN L. BELL  
C. RAY JUVELIN  
THADIS W. BOX  
CONSTANCE K. LUNDBERG  
EDWARD T. BECK  
E. STEELE McINTYRE

Supron Energy Corporation  
Building V, Fifth Floor  
10300 N. Central Expwy.  
Dallas, Texas 75231

Re: Well No's:  
Mobil 11-21-22,  
Sec. 11, T. 21 S, R. 22 E,  
Mobil 19-21-23,  
Sec. 19, T. 21 S, R. 23 E,  
Grand County, Utah

Gentlemen:

Insofar as this office is concerned, approval to drill the above referred to well is hereby granted in accordance with the Orders issued in Cause No's 1022-8 and 102-5 respectively.

Should you determine that it will be necessary to plug and abandon these wells, you are hereby requested to immediately notify the following:

MICHAEL T. MINDER, Geological Engineer  
HOME: 876-3001  
OFFICE: 533-5771

Enclosed please find Form OGC-8-X, which is to be completed whether or not water sands (aquifers) are encountered during drilling.

Further, it is requested that this Division be notified within 24 hours after drilling operations commence, and that the drilling contractor and rig number be identified.

The API number assigned to this well is 43-019-30502 - #11-21-22 and 43-019-30504 - #19-21-23.

Very truly yours,

DIVISION OF OIL, GAS, AND MINING

CLEON B. FEIGHT  
Director

cc: U.S. Geological Survey

DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

NAME OF COMPANY: Supron Energy Corporation

WELL NAME: #1 Mobil 11-21-22

SECTION 11 TOWNSHIP 21S RANGE 22E COUNTY Grand

DRILLING CONTRACTOR Jacobs Drilling

RIG # 2

SPUDDED: DATE Aug. 21, 1979

TIME 10:00 a.m.

HOW rotary

DRILLING WILL COMMENCE ASAP

REPORTED BY George Weldon

TELEPHONE # (303) 242-2669

DATE August 21, 1979

SIGNED *M. J. Miller*

cc: USGS

**SUPRON ENERGY CORPORATION**

BLDG. V, FIFTH FLOOR  
10300 NORTH CENTRAL EXPRESSWAY  
DALLAS, TEXAS 75231

TELEPHONE (214) 691-9141  
TWX: (910) 861-9117  
SUPCO-DAL.

September 18, 1979

State of Utah  
Division of Oil, Gas and Mining  
1588 West North Temple  
Salt Lake City, Utah 84116

Re: Mobil 11-21-22 #1  
Grand County, Utah

Dear Sir:

Enclosed are the completed forms reflecting the drilling and subsequent plugging of the subject well located in the SW/4 NW/4 of Section 11, Township 20 South, range 21 east, Grand County, Utah. The logs run on this well were to be furnished to you by Schlumberger.

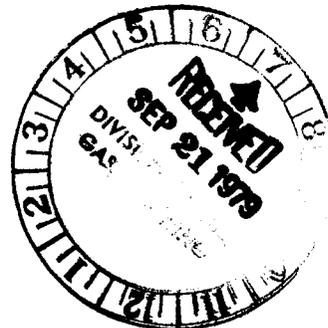
If further information is needed please advise.

Very truly yours,

*Dan Collier*

Dan Collier  
Operations Assistant

DC/rd  
Enc.



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

SUBMIT IN DUPLICATE\*

(See instructions on reverse side)

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

5

5. LEASE DESIGNATION AND SERIAL NO.

U-11244

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Mobil 11-21-22

9. WELL NO.

1

10. FIELD AND POOL, OR WILDCAT

Wildcat

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

Sec 11, T-21S, R22E

12. COUNTY OR PARISH  
Grand

13. STATE  
Utah

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

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

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

2. NAME OF OPERATOR  
Supron Energy Corporation

3. ADDRESS OF OPERATOR  
10300 N. Central Expwy. Dallas, TX. 75231

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)\*  
At surface 2100' FNL & 500' FWL  
At top prod. interval reported below  
At total depth same as above

14. PERMIT NO. DATE ISSUED  
12-6-78

15. DATE SPUDDED 8-21-79 16. DATE T.D. REACHED 8-26-79 17. DATE COMPL. (Ready to prod.) 18. ELEVATIONS (DF, REB, RT, GR, ETC.)\* 4640' Gr 19. ELEV. CASINGHEAD 4640'

20. TOTAL DEPTH, MD & TVD 2560' 21. PLUG, BACK T.D., MD & TVD 22. IF MULTIPLE COMPL., HOW MANY\* 23. INTERVALS DRILLED BY → 0-TD ROTARY TOOLS CABLE TOOLS

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)\* 25. WAS DIRECTIONAL SURVEY MADE NO

26. TYPE ELECTRIC AND OTHER LOGS RUN Dual Laterolog, & Compensated Neutron Density 27. WAS WELL CORED NO

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

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
8-5/8"	24#	168'	12 1/4"	100 sx to surface	None

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)

31. PERFORATION RECORD (Interval, size and number)

N/A

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
Plug #1	2000-2200' w/50 sx
Plug #2	1500-1700' w/50 sx
Plug #3	Surface-200' w/50 sx

33.\* PRODUCTION

DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)				WELL STATUS (Producing or shut-in)	
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 Dan R. Collier TITLE Operations Assistant DATE September 18, 1979

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

# INSTRUCTIONS

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

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

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

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

**Item 29: "Sacks Cement":** Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool. **Item 33:** Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

**37. SUMMARY OF POROUS ZONES:**  
SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF; CORED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.

**38. GEOLOGIC MARKERS**

NAME	TOP	
	MEAS. DEPTH	TRUE VERT. DEPTH
Dakota	1740'	
Ceder Mountain	1808	
Morrison	1885	
Summerville	2386	
Entrada	2458	

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

SUBMIT IN TRIPLICATE\*  
(Other instructions reverse side)

Form approved.  
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

U-11244

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Mobil 11-21-22

9. WELL NO.

1

10. FIELD AND POOL, OR WILDCAT

Wildcat

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA

Sec 11, T-21S, R22E

12. COUNTY OR PARISH 13. STATE

Grand

Utah

1.

OIL WELL  GAS WELL  OTHER  Dry hole

2. NAME OF OPERATOR

Supron Energy Corporation

3. ADDRESS OF OPERATOR Bldg V, Fifth Floor

10300 N. Central Expressway, Dallas, TX 75231

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.\* See also space 17 below.)  
At surface

SW/4 NW/4, 2100' FNL & 500' FWL

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, RT, GR, etc.)

4640' GR

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

SUBSEQUENT REPORT OF:

TEST WATER SHUT-OFF

PULL OR ALTER CASING

WATER SHUT-OFF

REPAIRING WELL

FRACTURE TREAT

MULTIPLE COMPLETE

FRACTURE TREATMENT

ALTERING CASING

SHOOT OR ACIDIZE

ABANDON\*

SHOOTING OR ACIDIZING

ABANDONMENT\*

REPAIR WELL

CHANGE PLANS

(Other) History

(Other)

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

17. 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.)\*

1. Spud 12 1/4" surface hole on 8-21-79. Drilled to 168'.  
Ran 4 joints of 8-5/8", 24#, K-55, Surface casing, set @ 178' RKB. Cemented to surface with 100 sx. Plug down at 3:15 AM, 8-22-79.
2. Drilled 7-7/8" hole to TD of 2560'. Ran Dual Laterolog 168-2551', and Compensated Neutron Density log 168-2556'. Well determined to be dry hole.
3. Received approval to plug & abandoned well while rig on location.
4. Plugged well as follows:  
Plug #1: 2000-2200' w/50 sx  
Plug #2: 1500-1700' w/50 sx  
Plug #3: Surface-200' w/50 sx
5. Released rig 4:00 PM 8-27-79.

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

SIGNED Dan L. Collins

TITLE Operations Assistant

DATE September 18, 1979

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_

TITLE \_\_\_\_\_

DATE \_\_\_\_\_

CONDITIONS OF APPROVAL, IF ANY: