

FILE NOTATIONS

Entered in MID File ✓
Location Map Pinned ✓
Card Indexed ✓

Checked by Chief
Approval Letter
Disapproval Letter

COMPLETION DATA:

Date Well Completed 12/31/79

OW..... WW..... TA.....
GW..... OS..... RH.....

Location Inspected
Bond released
State or Fee Land

LOGS USED

Driller's Log..... ✓
Electric Log (E.L.) ✓
E..... I..... Dual I Log..... GR-E..... Micro.....
MRC Sonic GR..... Lat..... MI-L..... Sonic.....
CLog..... CLog..... Others.....

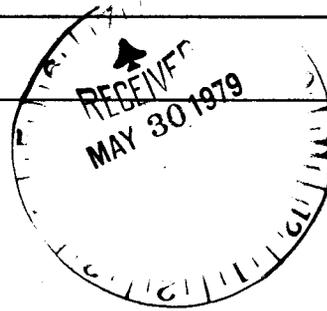


BURTON/HAWKS, INC.

First National Bank Building
P. O. Box 359
Casper, Wyoming 82602
307/234/1593

May 25, 1979

Mr. Ed Guynn, District Engineer
U.S. Geological Survey
8440 Federal Building
125 South State Street
Salt Lake City, Utah, 84111



Re: **Wire Fence CANYON* *Federal* ~~Utah~~ *21-1*
Burton/Hawks, Inc.
4-Well Program
South Uinta Prospect
Duchesne County, Utah

Dear Ed:

Enclosed please find the following data in reference to the above prospect:

1. Applications for Permit to Drill, Form 9-331C (4 wells)
2. Location plats (4 wells)
3. 10-Point Programs (4 wells)
4. MSUOP and associated exhibits (4 wells)

A Federal blanket bond is currently being obtained and the archaeological clearance is being mailed directly to you.

Since we are on an extremely short fuse on these wells, I would appreciate any help you can give us in regard to an early on-site inspection.

Thank you for your continued cooperation.

Yours very truly,

BURTON/HAWKS, INC.

Glenn R. Bochnann
Glenn R. Bochnann
Field Representative

GRB/jo

Enclosures

cc: Joe Fransen, District Ranger
Ashley National Forest
Duchesne, Utah

UNITED STATES DEPARTMENT OF AGRICULTURE
FOREST SERVICE

Forest Ranger
Ashley National Forest
Duchesne, Utah 84024

March 27, 1979

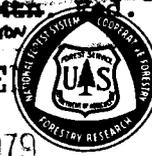
2820
Burton/Hawks, Inc.
Alkali Cyn. Fed. 31-1
Anthro-Mtn. Fed. 21-1

WIRE FENCE CANYON

RECEIVED

MAR 29 1979

BURTON/HAWKS



Mr. Ed Guynn, District Engineer
U.S. Geological Survey
8440 Federal Building
125 South State Street
Salt Lake City, Utah 84138

Dear Mr. Guynn:

We have reviewed Burton/Hawks, Inc.'s proposed drilling locations and would like to note the items that may be effected.

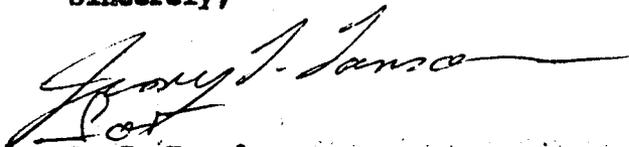
No known archaeological or historical sites have been identified.

1. Our forest archaeologist does not have time to do the required cultural surveys. We request that Burton/Hawks furnish an approved archaeologist to survey the locations and access roads after staking. We have attached a current list of approved archaeologists.
2. ^{WIRE FENCE CANYON} Both ~~Anthro-Mtn. Fed. 21-1~~ and Alkali Canyon Fed. 31-1 require extension of existing roads. We would prefer to work with their surveyors to flag the access routes prior to surveying and staking.
3. ^{NW NE} Access to ~~Alkali Canyon Fed. 31-1~~ ²⁴ requires crossing private land. We suggest an approved agreement between Burton/Hawks and the private landowner be submitted with the operating plan. This agreement should include access for exploratory drilling, partial and/or total restoration and operation-maintenance requirements.
4. If drilling operations take place during the grazing season, we request that cattleguards be installed at fence crossings. The cattleguards should be the H-20 type with built-in cleanouts. We will provide detailed specifications during the review of the operating plan.
5. ^{WIRE FENCE CANYON} ~~Anthro-Mtn. Fed. 21-1~~ is located in Wire Fence Canyon which is extremely narrow. A large grill pad will not fit the available space without cutting in the unstable side slopes. Depending on the size of pad, we are confident some modified drilling arrangements can be developed to permit drilling this location.

Other than the items mentioned above, we have no objection to the surveying and staking of the proposed locations and access roads.

Thank you for this opportunity to review the proposed locations. We look forward to reviewing the surface use and operations plan.

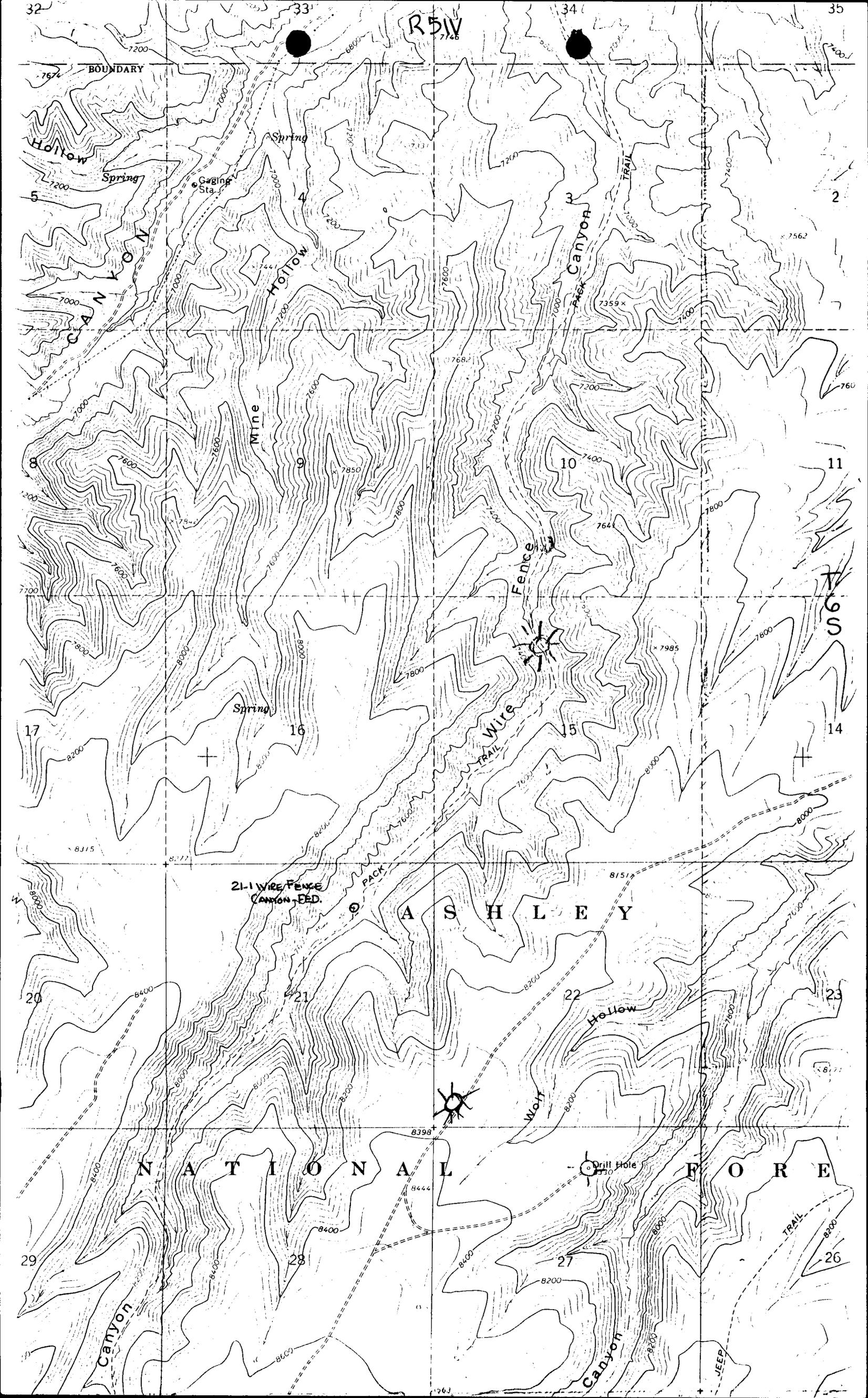
Sincerely,

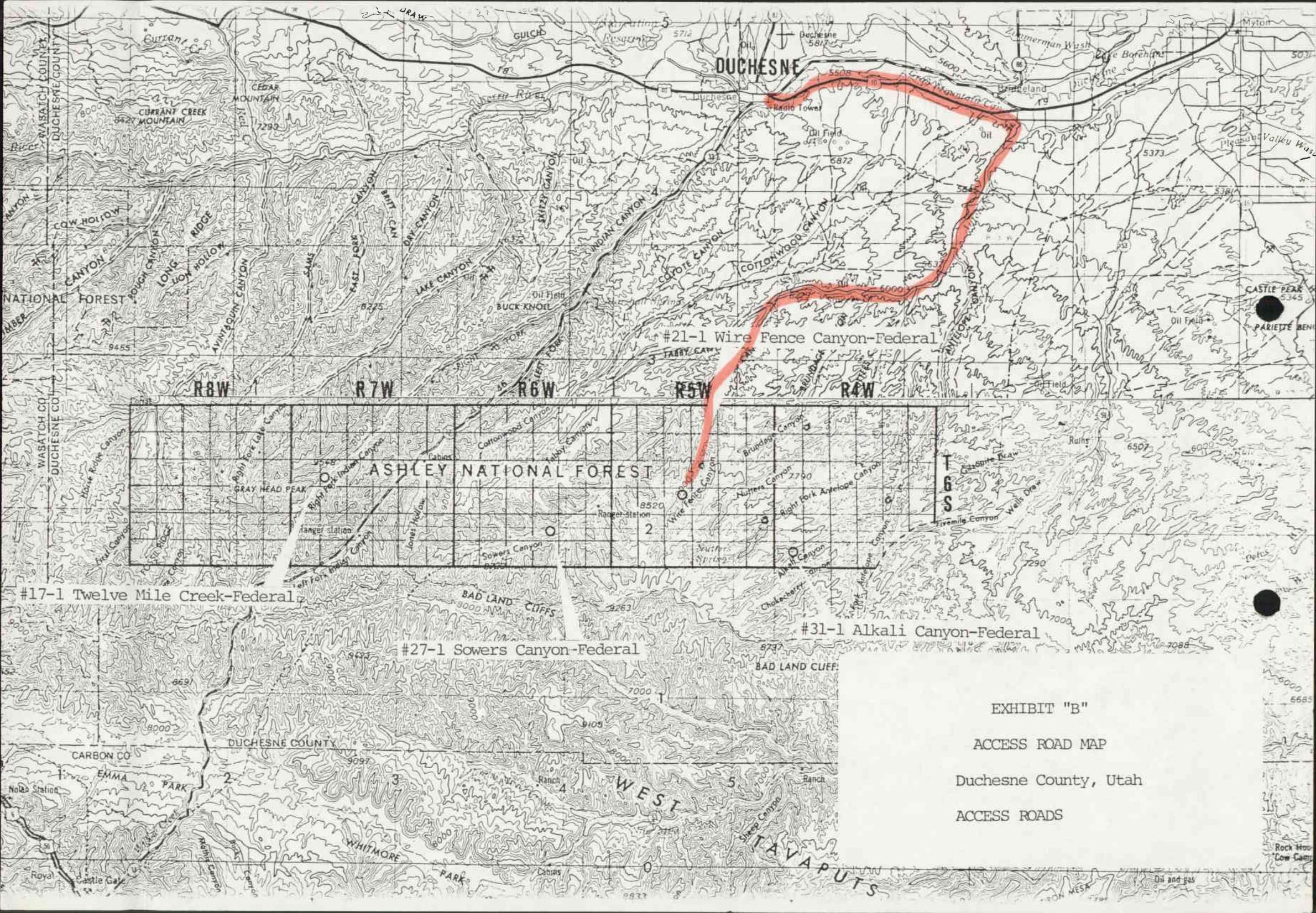


A. J. Frandsen
District Forest Ranger

Enclosure

cc: Burton/Hawks, Inc. ✓





DUCHESNE

ASHLEY NATIONAL FOREST

#17-1 Twelve Mile Creek-Federal

#27-1 Sowers Canyon-Federal

#31-1 Alkali Canyon-Federal

#21-1 Wire Fence Canyon-Federal

EXHIBIT "B"

ACCESS ROAD MAP

Duchesne County, Utah

ACCESS ROADS

WEST

TAVAPUTS

EMMA PARK

WHITMORE PARK

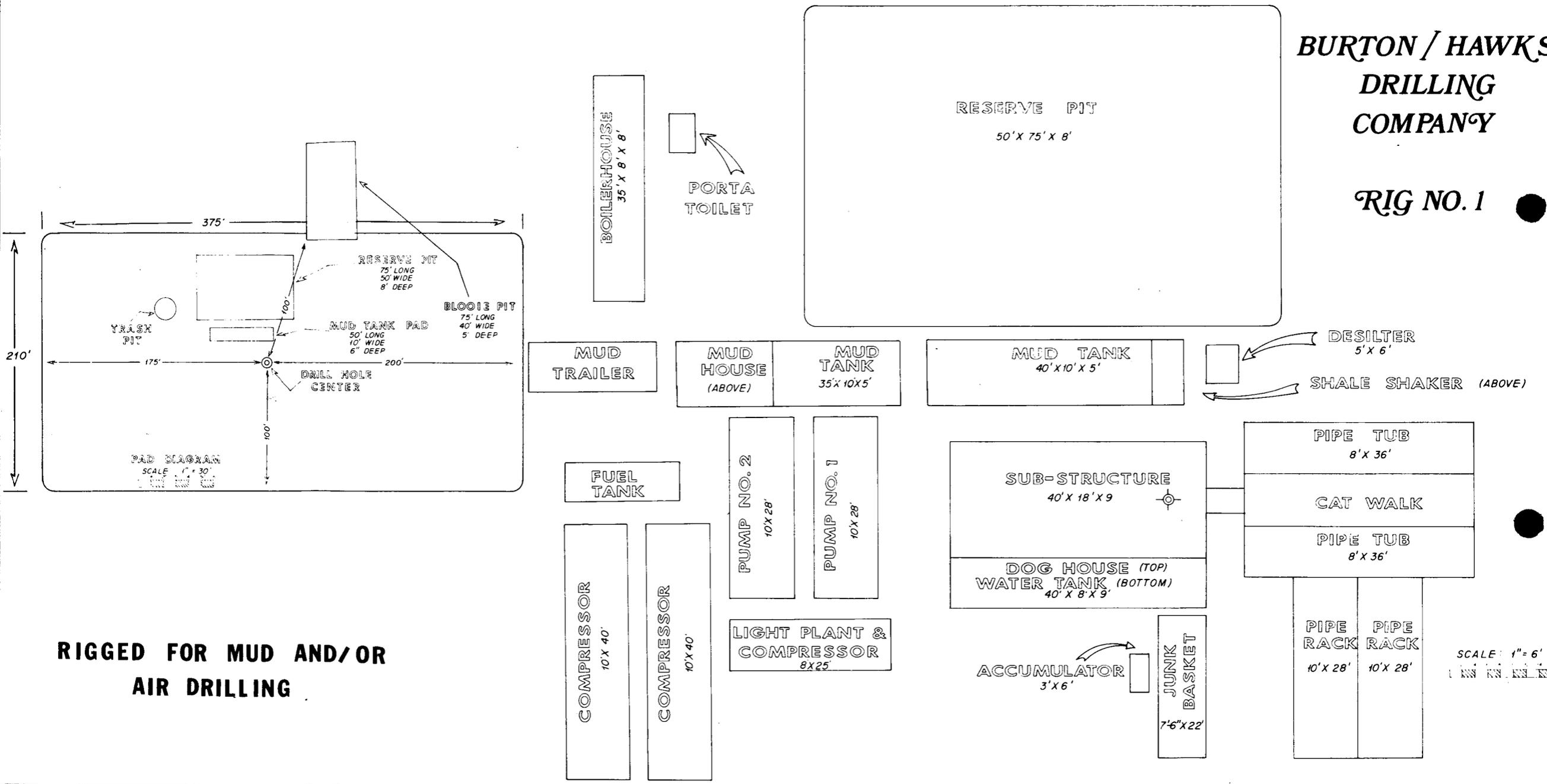
Oil and gas

Rock House
Cow Camp

FIGURE 2

BURTON / HAWKS
DRILLING
COMPANY

RIG NO. 1



RIGGED FOR MUD AND/OR
AIR DRILLING

SCALE: 1" = 6'

TO: DISTRICT ENGINEER, O&G, SALT LAKE CITY, UTAH
SUBJECT: APD MINERAL EVALUATION REPORT
OPERATOR: Burton/Hawks, Inc.
LEASE NO. U-8895
WELL NO. No 21-1 Wire Fence Canyon - Fed
LOCATION: 1/2 NW 1/2 NE 1/2 sec. 21, T. 6S, R. 5W, USM
Duchesne County, Utah

Stratigraphy: Operator's tops are reasonable.
Surface Fm. is Tertiary - Uinta.

Fresh Water: The Uinta and Green River Fms. may contain fresh water.
Based on a WRD report from sec 35 T6S R6W (USM) fresh/usable water may be encountered as deep as 3300' in the Green River Fm.

Leasable Minerals: In oil shale withdrawal 5327.
Oil shale should be found at depths less than 3500'.
Mahogany Bed at ~1880'±

Additional Logs Needed: Detailed log of cuttings through oil shale zones.
Geophysical logs should be run from TD to surface in order to log all oil shale and gas producing intervals.

Potential Geologic Hazards: Brinkerhoff #1 Tabby Canyon Unit, sec 15 T6S R6W (USM) lost circulation at: 2202, 2050, 3062, 3266, 5401, 6129, 6680. The same well (Gr. 8880) had severe hole deviation problems below 375'. Also, slight geopressure may be expected.

References and Remarks: In Wire Fence Canyon Unit
USGS Files
Oil & Gas Journal - 1-16-78
1/2 mile SW of Unnamed and Undefined KGS
3 mile NW of Unnamed and Undefined KGS
Gulf #1 sec 12 6S 7W (USM) reported { 1700-1800 water flow
3300-3400 tar sand
3955-4005 sand porosity

Signature: J. Paul Matheny Date: 6 - 8 - 79

10-POINT PROGRAM

BURTON/HAWKS, INC.

Attachment to Form 9-331-C "Application to Drill, Deepen, or Plug Back".

No. 21-1 Wire Fence Canyon-Federal
NWNE Section 21, T6S, R5W
Duchesne County, Utah
U-8895

1. GEOLOGIC NAME OF SURFACE FORMATION:

, Tertiary Green River

2. ESTIMATED TOPS OF IMPORTANT GEOLOGIC MARKERS:

Tertiary Green River A-Zone - 2710'
Wolf Hollow Zone - 3160'*
B-Zone - 3180'
C-Zone - 3640'
Wire Fence Zone - 3880'*
D-Zone - 4040'
E-Zone - 4360'
Tertiary Wasatch - 4980'*
Total Depth - 5000'

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

No high water bearing zones are expected. The formations marked with asterisk (No. 2 above) are potential productive formations.

4. CASING PROGRAM:

- A. Conductor Pipe - 30' 13-3/8", 48# cement to surface
- B. Surface Casing - 300' 9-5/8", 36# K-55 ST&C, cement to surface
- C. Production Casing - 5000' 7", 20# K-55, ST&C cement with 200 sx ±

5. BOP PROGRAM (See Attached Figure 3):

- A. 10" - 900 Series Rotating Head
- B. 10" - 900 Series Cameron Space-Saver Double-Gate
 - 1. Pipe Rams
 - 2. Blind Rams
- C. Choke System, Kill lines. BOP's and choke manifold will be installed and pressure tested before drilling out from under surface casing and will then be checked daily as to mechanical operating condition.

6. DRILLING FLUIDS:

Air drilled hole, If a significant flow of water is encountered, soap mist drilling will be utilized.

7. AUXILIARY EQUIPMENT:

- A. Kelly Cock
- B. Drill pipe float
- C. A sub on the floor with a full opening valve to be stabbed into drill pipe when Kelly is out of string.

8. TESTING, LOGGING, CORING, AND FRACTURING:

- A. Continuous testing with air drilling.
- B. Run Induction-Gamma Ray Log in air filled hole, and a Temperature Log if warranted. If the hole fills with water, run I-ES with GR-SP Log. Run a Density-GR Log, or a Neutron-Density GR-Log if a Porosity Log is warranted. Depending on the hole conditions, completion string may be run prior to logging, with adequate cased hole logs to follow.
- C. No coring anticipated.
- D. Fracturing or stimulation plans not known at this time. In the event this is needed, Sundry Notice will be filed outlining this program.

9. ABNORMAL PRESSURES OR TEMPERATURES:

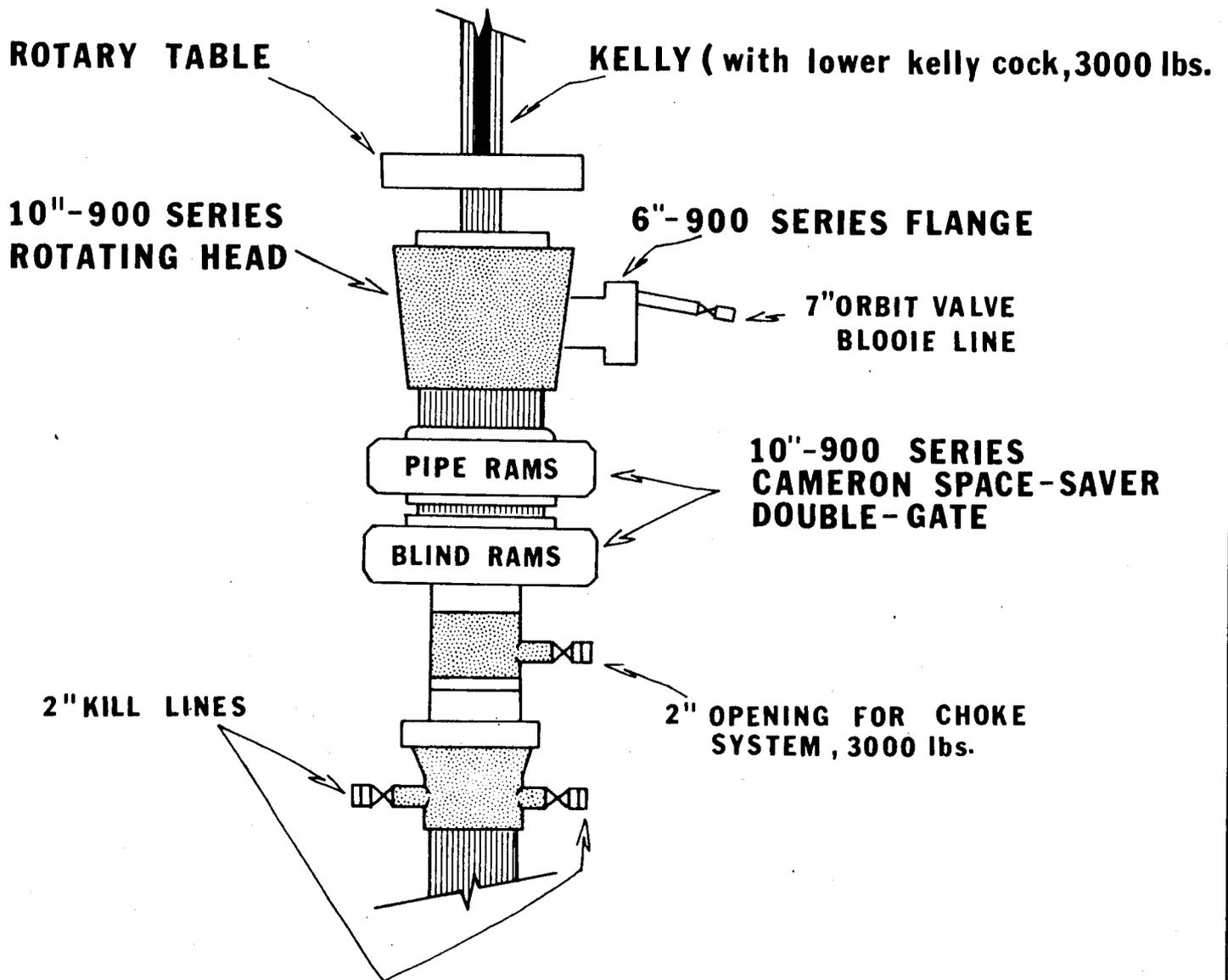
No abnormal pressures or temperatures are known based on information from other wells in the area.

10. STARTING DATE:

June 15, 1979

Burton Hawks Drilling Co.

BOP STACK



rig no. 1

NOT TO SCALE

WELL PROGNOSIS

Wire Fence Canyon Unit
Burton/Hawks, Inc.
#21-1 Wire Fence Canyon Federal
NW NE Sec. 21, T6S, R5W
Duchesne County, Utah

1. Move on spudder to drill conductor hole, and set 30' of 13-3/8", 48# conductor pipe with cement to surface.
2. Move on Burton/Hawks, Inc. , - Husky Drilling Rig #1.
3. Drill 12-1/4" hole to 300' and set 300' of 9-5/8", 36# surface casing with cement to surface.
4. Drill 8-3/4" hole to 5000' total depth with air. If commercial oil or gas production is encountered at a shallower depth, this will constitute total depth.
5. Run Inductin-Gamma Ray Log in air filled hole, and a Temperature Log is warranted. If the hole fills up with water, run an I-ES with Gamma Ray-SP Log. Run a Density GR Log, or a Neutron-Density-GR Log if a porosity log is warranted. Depending on hole conditions, completion string may be run prior to logging, with adequate cased-hole logs to follow.

Projected Formation Tops:

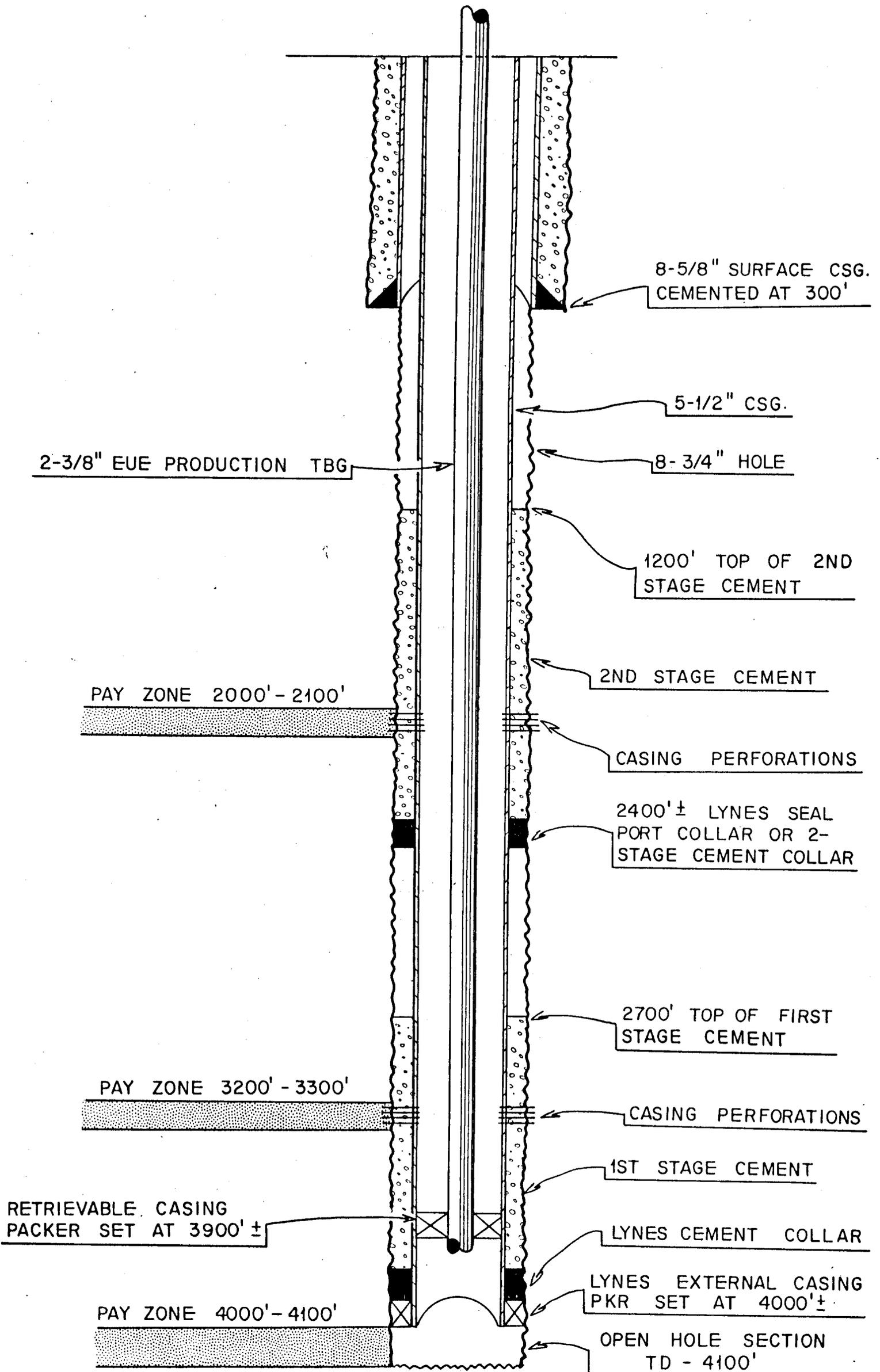
Tertiary Green River Formation	Surface
A-Zone	2710'
Wolf Hollow Zone	3160'
B-Zone	3180'
C-Zone	3640'
Wire Fence Zone	3880'
D-Zone	4040'
E-Zone	4360'
Tertiary Wastach Formation	4980'
Total Depth	5000'

Completion:

The attached "Completion Methods" diagram applies to this well. Simple zone completions will be made with the Lynes packer only and there will be no upper perforations.

COMPLETION METHODS

3 --- GAS ZONES - DUCHESNE CO., UTAH



Proposed Action:

On May 29, 1979, Burton & Hawks, Incorporated filed an Application for Permit to Drill the No. 21-1 exploratory well, a 5000-foot gas test of the Green River and Wasatch Formations; located at an elevation of 7510 ft. in the NW $\frac{1}{4}$ NW $\frac{1}{4}$ Section 21, T. 6S., R. 5W. on Federal mineral lands and Public surface; lease No. U-8895. As an objection was raised to the wellsite, it was moved to 944' FNL & 1592' FEL. This did not change the $\frac{1}{4}$ $\frac{1}{4}$ coordinates. There was no objection raised to the access road. Although, the canyon road is to be routed around the pad across the wash on the east side of the pad during drilling to allow access for traffic proceeding further up the canyon or else routed on the west side of the pad.

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 Plan are on file in the USGS District Office in Salt Lake City, Utah and the USGS Northern Rocky Mountain Area Office in Casper, Wyoming. The 13-Point Surface Protection Plan is on file in the District Office in Salt Lake City.

A working agreement has been reached with the U.S. Forest Service, 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 180 ft. wide by 375 ft. long and place on the pad a reserve pit 30 ft. wide by 100 ft. An existing road would be upgraded to at least 15 ft. wide by 3.2 miles long from a maintained road. The operator proposes to construct production facilities on 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 30 days.

Location and Natural Setting:

The proposed drillsite is approximately 35 miles south of Duchesne, the nearest town. A fair road runs to the location. This well is a wildcat well.

Topography:

The wellpad is up against a fairly steep ridge on the west side of a narrow valley and bordered by a non-perennial drainage.

Geology:

The surface geology is tertiary Green River Formation. The soil is a sandy clay with mixed shale and sandstone gravels. 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.

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 of disturbed areas when abandoned to aid in rehabilitation of 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 1.6 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 rain fall 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:

A non-perennial drainage is on the east side of the pad draining north to Sowers Creek which flows into Antelope Creek, which flows into the Duchesne River, a tributary of the Green River.

The existing road will be rerouted around the pad crossing this drainage twice unless it can be designed crossing the pad on its west side.

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. 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:

Deep sagebrush with native grasses were at the pad location. Cedars and pine trees and cottonwoods were nearby.

Plants in the area are of the salt-desert-shrub types grading to the pinon-juniper association.

Proposed action would remove about 1.6 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 in a manner suitable to the Forest Service and should consult further with them regarding this.

Wildlife:

The fauna of the area consists predominantly of mule deer, elk, 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 sparrows, magpies, crows, and jays.

An animal and plant inventory has been made by the U.S. Forest Service. No endangered plants or animals are known to inhabit the project area.

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.

(DONE)

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 Duchesne County.

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.

The site is in the Ashley National Forest. There are no national, state, or local parks, wildlife refuges or ranges, grasslands, monuments, trails or other formally designated recreational facilities near the proposed location.

Waste Disposal:

The mud and reserves pits would contain all fluids used during the drilling operations. A trash cage would be utilized for any solid wastes generated at the site and would be removed 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 USGS 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, the alternative of moving the location is rejected. 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.

(3) Drilling should be allowed provided the following mitigative measures are incorporated into the proposed APD and adhered to by the operator.

- (a) The wellsite and pad are moved 100 ft. south of their present location to mitigate cut and fill.
- (b) The reserve pit and blooie pit are rotated 180° about the wellsite to alleviate extensive cut and fill and prevent downhill seepage from the reserve pits across the wellsite. The reserve pit is to be elongated to dimensions approximately 30 ft. by 100 ft. and the pad shortened by 20 ft. on the east side to avoid a non-perennial drainage. The blooie pit is to be reshaped according to the design suggested by the dirt contractor and will be mostly on the southwest corner of the pad. It will be kept a minimum of 100 ft. from the wellsite.
- (c) Cattleguards are upgraded or placed where needed as specified by the Forest Service or any private owners whose land the access route crosses. These cattleguards must be of sufficient strength to meet the needs of the drilling rig traffic.
- (d) A trash cage is to be used instead of a trash pit and all refuse is to be suitably removed from the location at the completion of the drilling activities.
- (e) The reserve pits are fenced according to Fish and Wildlife Division and U.S. Forest Service specifications.

Adverse Environmental Effects Which Cannot Be Avoided:

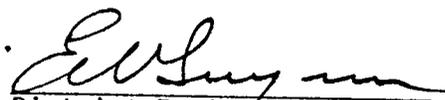
Surface disturbance and removal of vegetation from approximately 1.6 acres of land surface for the lifetime of the project which would result in increased and accelerated erosional potential. Grazing would be eliminated in the disturbed areas and there would be a minor and temporary disturbance of wildlife 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 traffic 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, gas leaks, and spills of oil and 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 Duchesne River. The potential for pollution to Sowers Creek 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, Section 102(2)(C).

Date

6/19/79


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

BURTON/HAWKS, INC.
NTL-6 - PLAN OF OPERATION

DATE: May 17, 1979

WELL NAME: No. 21-1 Wire Fence Canyon-Federal

LOCATION: NW NE Sec. 21, T6S-R5W
Duchesne County, Utah

#1 Existing Roads:

- A. Proposed well site as staked. (Actual staking should include two each 200-foot directional reference stakes).

Exhibit A is a registered land surveyors plat of Section 14 showing the actual footage location of the subject well as measured from the section corners

- B. Route and distance from nearest town or locatable reference point to where well access route leaves main road.

Exhibit B is a 1:250,000 scale map showing the location of the nearest town, Duchesne, Utah. The approximate distance is 35 miles southwest of said city. Access road colored blue on map.

- C. Access road(s) to location color-coded or labeled.

Figure 1 is a topographic map (1"=2000') showing the access road (colored blue) and the new access road (labeled and colored red).

- D. If exploratory well, all existing roads within a 3-mile radius (including type of surface, conditions, etc.)

1. Sowers Canyon Road; improved, gravel surface.
2. Nutters Ridge Road; improved, dirt surface.

- E. If development well, all existing roads within a 1-mile radius of well site.

Not a development well.

- F. Plans for improvement and/or maintenance of existing roads.

No plans for improvement of existing roads unless needed. Maintenance to be performed as required.

#2 Planned Access Roads:

Map showing all necessary access roads to be constructed or reconstructed, showing:

See Figure 1 (Topo Map)

#2 - Planned Access Roads (continued)

- (1) Width
12'
- (2) Maximum grades
6%
- (3) Turnouts
As required
- (4) Drainage design

Any new access roads will be sloped to insure proper drainage.

- (5) Location and size of culverts and brief description of any major cuts and fills

As required.

- (6) Surfacing material

Native material.

- (7) Necessary gates, cattleguards, or fence cuts

As required.

- (8) (New or reconstructed roads are to be center-line flagged at time of location staking)

No new access roads required.

#3 Location of Existing Wells:

Two-mile radius map if exploratory, or 1-mile radius map if development well, showing and identifying existing:

- (1) Water wells

None Observed

- (2) Abandoned wells

T6S-R5W - Section 10 NE SW
Section 27 NW NE

- (3) Temporarily abandoned wells

None observed

- (4) Disposal wells

None observed

- (5) Drilling wells

None observed

#3 Location of Existing Wells (continued)

(6) Producing wells

None observed.

(7) Shut-in wells

T6S-R5W - Section 15 NENW Burton/Hawks, Inc.
Section 22 SWSW Phoenix Resources

(8) Injection wells

None observed

(9) Monitoring or observation wells for other resources

None observed

#4 Location of Existing and/or Proposed Facilities:

A. Within 1-mile radius of location show the following existing facilities owned or controlled by lessee/operator:

(1) Tank Batteries

None

(2) Production facilities

None

(3) Oil gathering lines

None

(4) Gas gathering lines

None

(5) Injection lines (Indicate if any of the above lines are buried)

None

(6) Disposal lines

None

B. If new facilities are contemplated, in the event of production, show:

- (1) Proposed location and attendant lines by flagging if off of well pad

See Exhibit C.

- (2) Dimensions of facilities

Production pad (well pad) 210' x 375'

- (3) Construction methods and materials

Area to be used for production facilities would be leveled with a dozer. Onsite native materials would be utilized.

- (4) Protective measures and devices to protect livestock and wildlife

All pits would be fenced and would be flagged accordingly.

- C. Plan for rehabilitation of disturbed areas no longer needed for operations after construction completed:

All disturbed areas not needed for operations will be contoured to match existing terrain and seeded with a seed mixture recommended by the U.S.F.S.

#5 Location and Type of Water Supply:

- A. Show location and type of water supply either on map or by written description

Water will be obtained from a permitted source located in T5S-R5W Section 34 (Foy Ranch). See agreement.

- B. State method of transporting water, and show any roads or pipelines needed

Water to be hauled by operators equipment over existing roads. Roads colored green on Figure 1.

- C. If water well is to be drilled on lease, so state. (No APD for water well necessary, however, unless it will penetrate potential hydrocarbon horizons.)

No water well to be drilled on lease.

#6 Source of Construction Materials:

A. Show information either on map or by written description
Construction materials for proposed drillsite would be native materials from the location.

B. Identify if from Federal or Indian land

Federal surface (Ashley National Forest).

C. Describe where materials, such as sand, gravel, stone, and soil material, are to be obtained and used

In the event that conditions should necessitate graveling of all or part of the access road and location, surfacing materials would be obtained from permitted gravel pits in the local marketing area.

D. Show any needed access roads crossing Federal or Indian lands under Item 2.

See Figure 1.

#7 Methods of Handling Waste Disposal:

Describe methods and location of proposed containment and disposal of waste material, including:

(1) Cuttings

Air drilled cuttings are blown to the blooie pit. If it becomes necessary to switch to mud drilling, drill cuttings would be contained in the reserve pit.

(2) Drilling fluids

Drilling fluids would be contained in the reserve pit.

(3) Produced fluids (oil, water)

Produced fluids would be directed to a test tank or pit for proper disposal.

(4) Sewage

A portable toilet is on location at all times. Sanitation and the disposal of waste will be accomplished within the framework of the Pollution Statement Act (E.O. 11507).

(5) Garbage and other waste material (trash pits should be fenced with small mesh wire to prevent wind scattering trash before being burned or buried)

Trash and other combustibles will be burned in a pit that is covered with small mesh fencing. Other garbage will be enclosed in a fenced trash site to await final cleanup.

#7 Methods of Handling Waste Disposal (continued)

- (6) Statement regarding proper cleanup of well site area when rig moves out

Immediately after the rig and associated drilling and testing equipment is off the location, the entire location will be policed for trash and other sorts of refuse.

#8 Ancillary Facilities:

Identify all proposed camps and airstrips on a map as to their location, area required, and construction methods. (Camp center and airstrip center lines to be staked on the ground).

No facilities intended for this location.

#9 Well Site Layout:

A plat (not less than 1" = 50') showing:

- (1) Cross sections of drill pad with cuts and fills

See Exhibit D.

- (2) Location of mud tanks, reserve, burn and trash pits, pipe racks, living facilities, and soil material stockpiles

See Figure 2.

- (3) Rig orientation, parking areas, and access roads:

See Figure 2.

- (4) Statement as to whether pits are to be lined or unlined. (Approval as used in this section means field approval of location. All necessary staking of facilities may be done at time of field inspection). A registered surveyor is not mandatory of such operations).

Pits will not be lined.

- (5) The positioning of pump trucks, frac tanks, lines, etc.

See Exhibit E.

#10 Plans for Restoration of Surface:

State restoration program upon completion of operations, including:

- (1) Backfilling, leveling, contouring, and waste disposal; segregation of spoils materials as needed

Upon completion of the operation and if the well is to be abandoned, the location will be backfilled, leveled and contoured to as nearly the original topography as is possible. Backfilling of pits and disturbed areas will be performed when pit areas are dry enough to support overburden of fill material. Leveling of pit dikes, will be done when contents are dry enough to handle earth moving equipment. Stockpiled topsoil will be distributed over area to facilitate revegetation. Waste disposal see No. 7 (6).

- (2) Revegetation and rehabilitation - including access roads (normally per BLM recommendations)

This will be accomplished with the desires of the U.S.F.S. and their recommendation.

- (3) Prior to rig release, pits will be fenced and so maintained until cleanup

During drilling operations the reserve pit and blooie pit will be fenced on three sides with the rig side remaining unfenced. This remaining side will be fenced as soon as the rig equipment is moved to allow fencing crews access. This fence will be sheep tight and kept in good repair until clean-up is undertaken.

- (5) Timetable for commencement of rehabilitation operations

Commence clean-up operations as soon as possible after drilling operations are completed so that rehab operations can be performed after pits are dry enough to support top soil fill.

#11 Other Information:

General discription of:

- (1) Topography, soil characteristics, geologic features, flora and fauna:

The surface is Tertiary Green River. The topography is sttep canyons. Location is in the flattest part of the canyon floor. Soil is generally sandy sediments. Flora consists of elk, deer, rabbits and various other rodents. Fauna consists of pine, cedar, sagebrush, creosot brush and range grasses.

- (2) Other surface-use activities and surface ownership of all involved lands

Livestock grazing is the only other surface use activity noted. Surface is forest lands.

- (3) Proximity of water, occupied dwellings, archeological, historical, or cultural sites

- A. Water - Intermittant small streams in the area.
- B. Occupied Dwellings - None noted.
- C. Archaeological sites - See attached Archaeological clearance
- D. Historical/Culteral sites - None noted.

#12 Lessee's or Operator's Representative:

Include the name, address and phone number of the lessee's or operator's field representative who is responsible for assuring compliance with the approved surface use and operations plan.

Burton/Hawks, Inc.
P. O. Box 359
Casper, Wyoming 82602

	<u>Office</u>	<u>Home</u>	<u>Mobile</u>
Robert E. Wellborn	(303) 234-1593	265-8282	-----
Rance Denton	(303) 234-1593	266-0923	265-4506
Glenn R. Bochmann	(303) 234-1593	237-7038	-----

#13 Certificates:

The following statement is to be incorporated in the plan and must be signed by the lessee's or operator's field representative who is identified in Item No. 12 of the plan.

I hereby certify that I, or persons under my direct supervision have inspected the proposed drill site and access roads; that I am familiar with the conditions which presently exist; and 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 BURTON/HAWKS, INC. and its contractors, subcontractors in conformity with this plan and the terms and conditions under which it is approved.

Name and Title
Glenn R. Bochmann
Field Representative

May 18, 1979

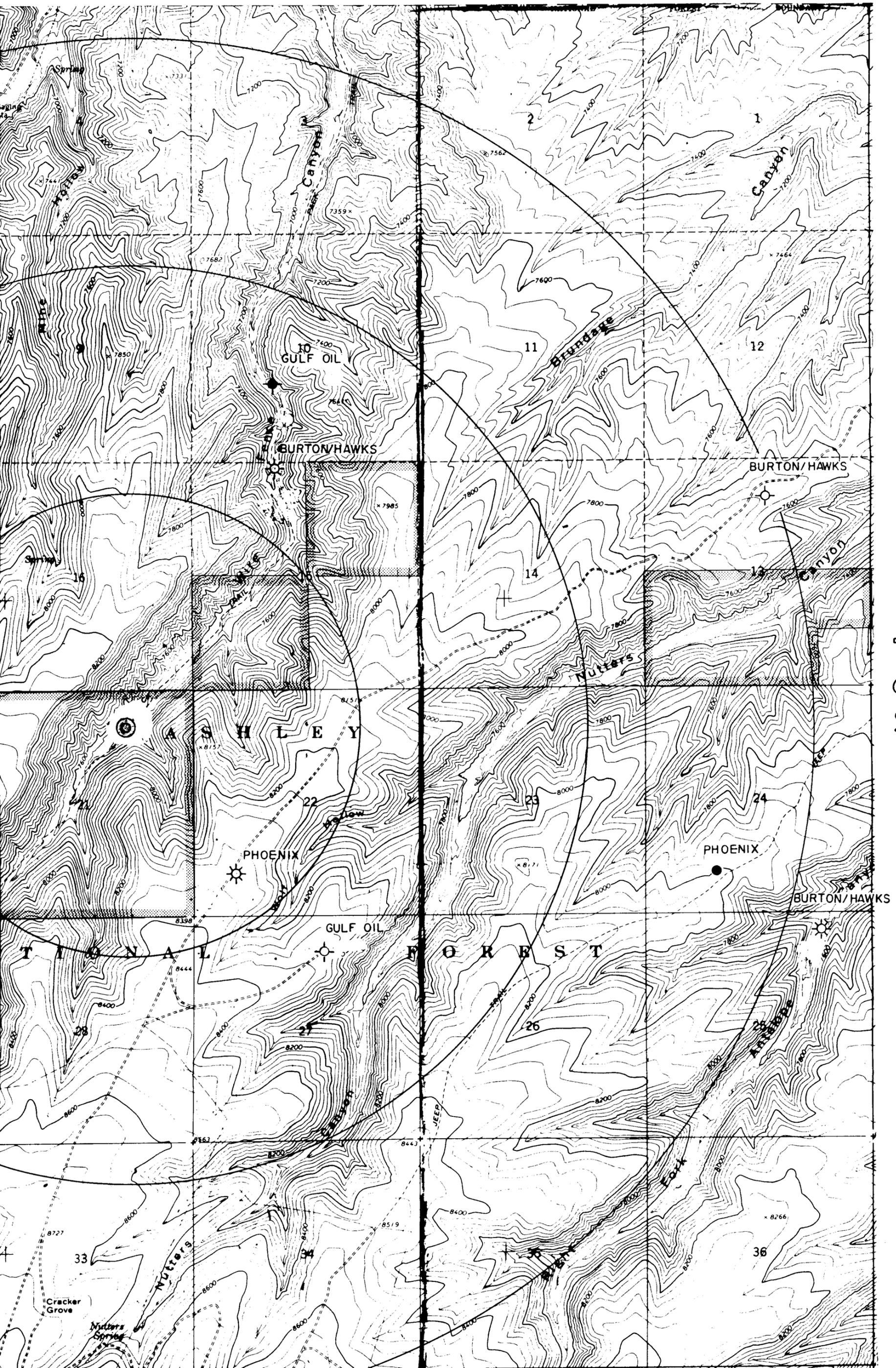
Date

R 6 W

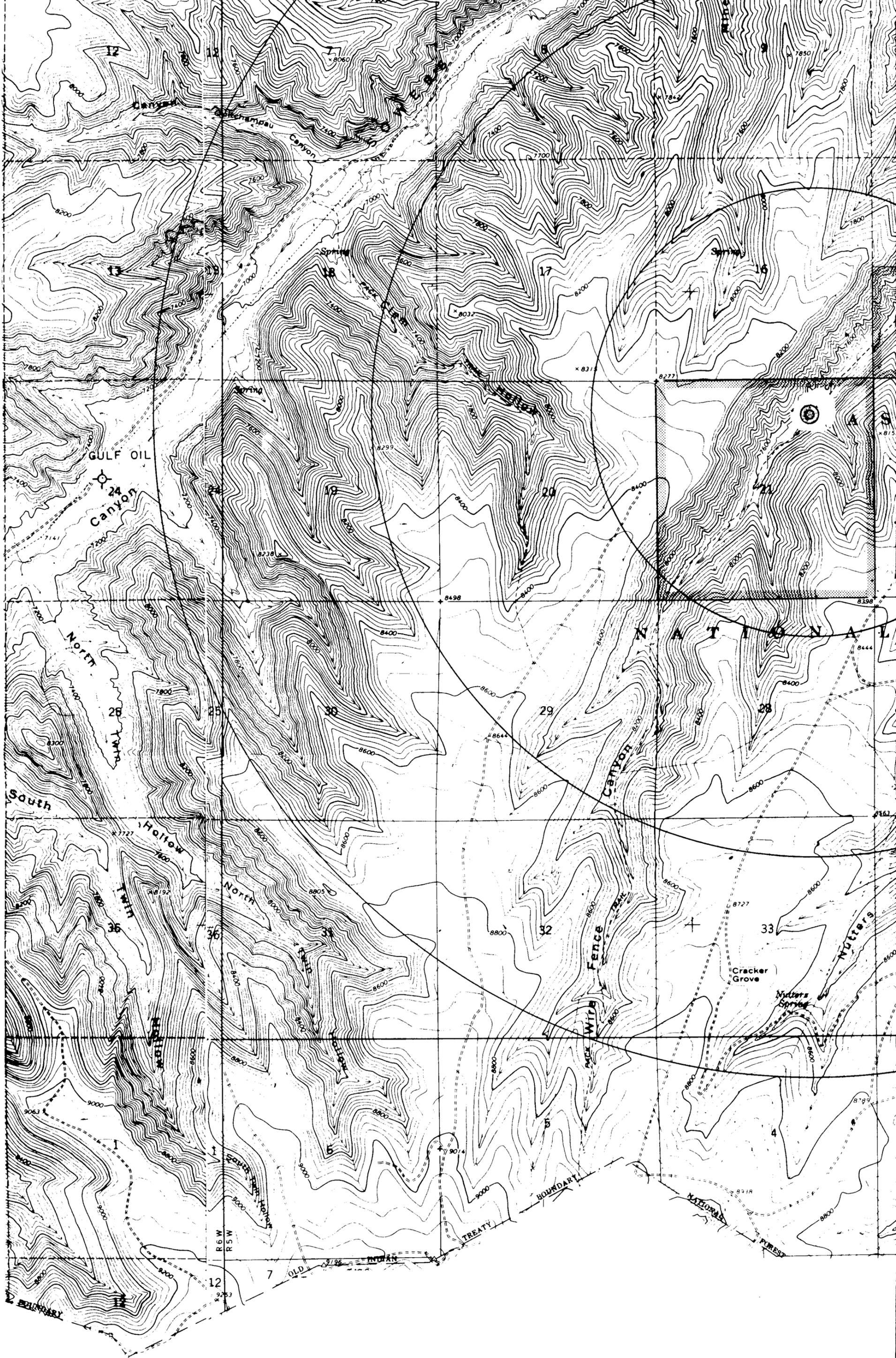
R 5 W

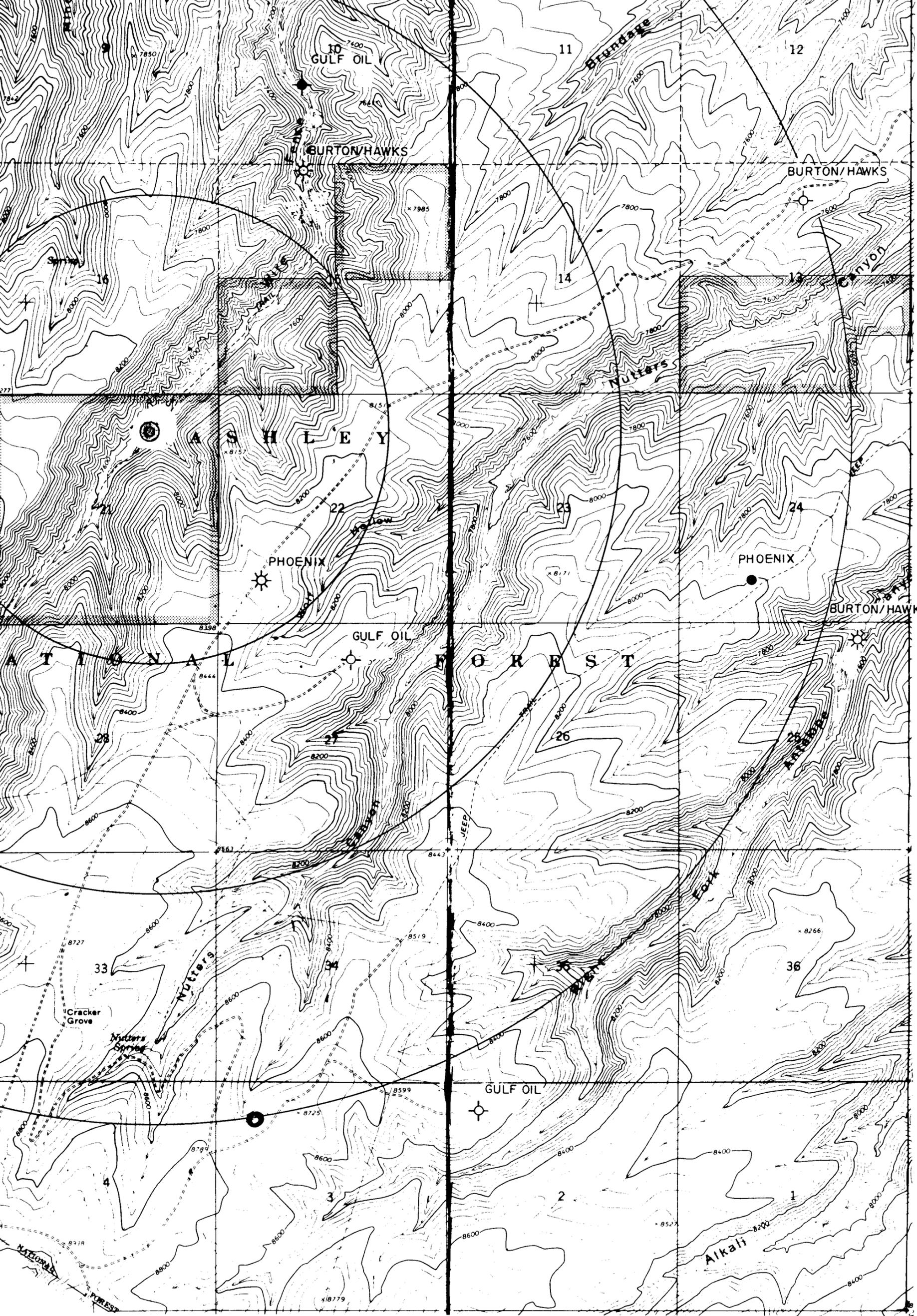


R5W



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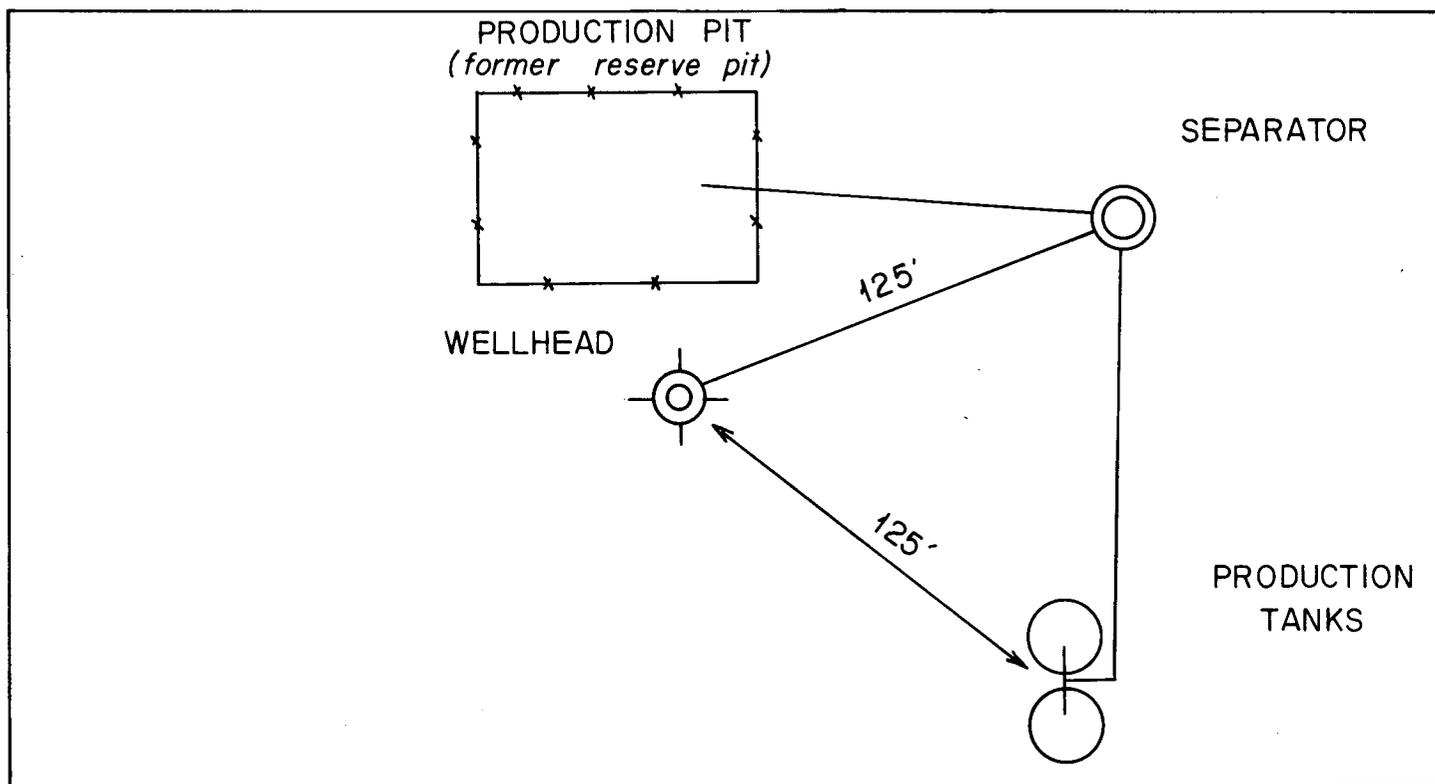


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TOPOGRAPHIC MAP
FIGURE 1
DUCHESNE COUNTY, UTAH

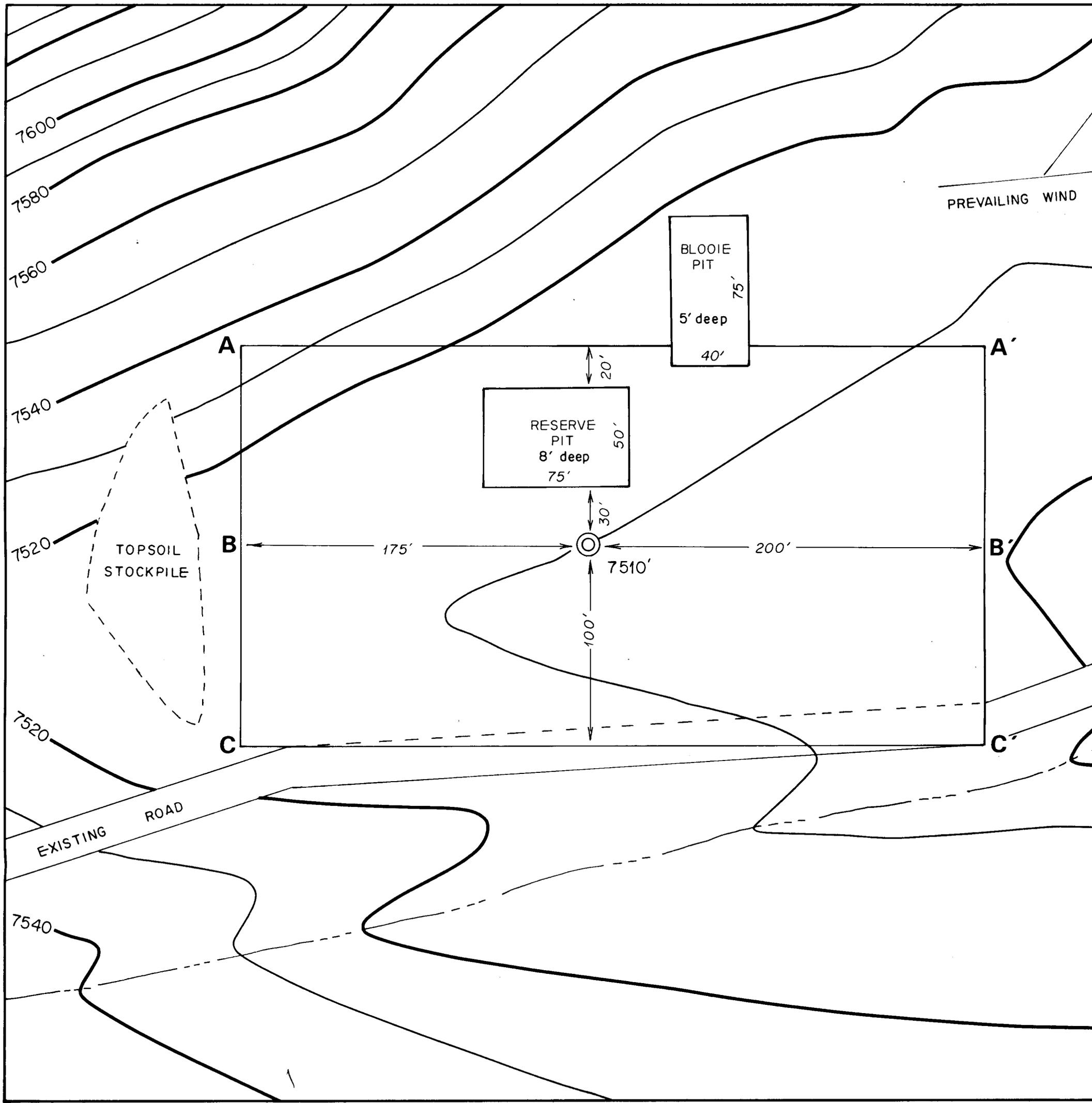
BURTON/HAWKS
No. 24-1 Wire Fence Canyon - Fed.



PRODUCTION FACILITIES

EXHIBIT - C

BURTON/HAWKS, INC.



PREVAILING WIND

BLOOIE
PIT
75'
5' deep
40'

RESERVE
PIT
8' deep
75'
50'

TOPSOIL
STOCKPILE

EXISTING
ROAD

A

A'

B

B'

C

C'

7600

7580

7560

7540

7520

7520

7540

175'

200'

7510'

100'

30'

20'

75'

5' deep

40'

RESERVE
PIT

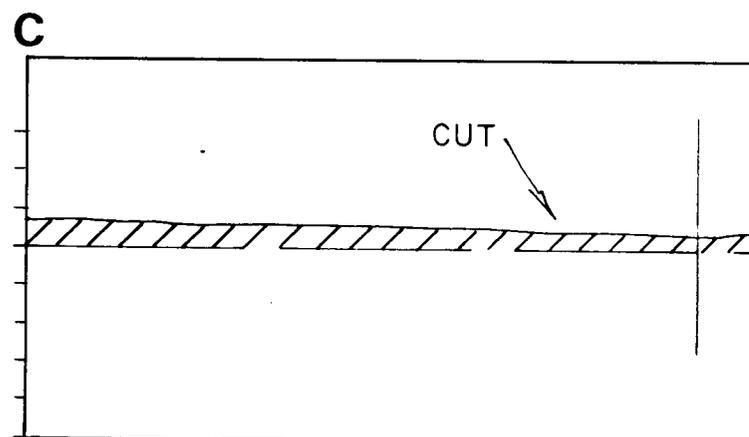
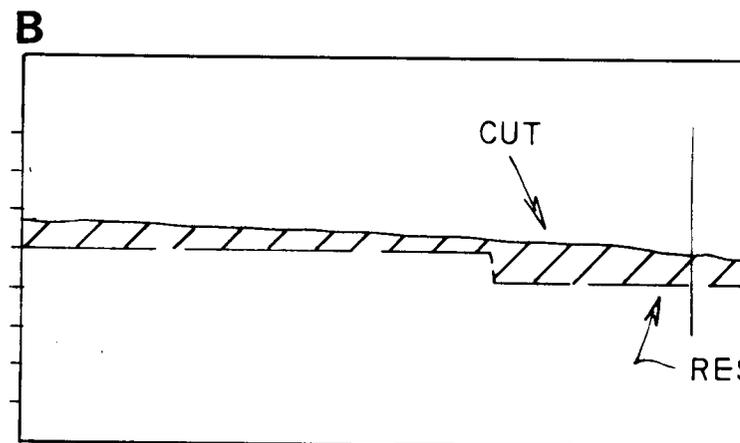
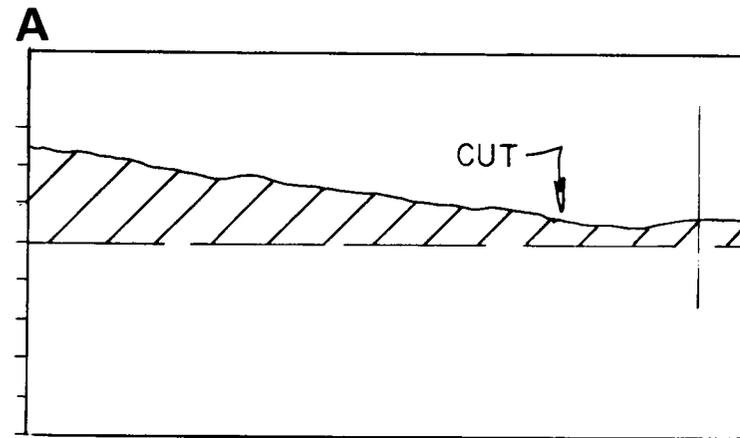
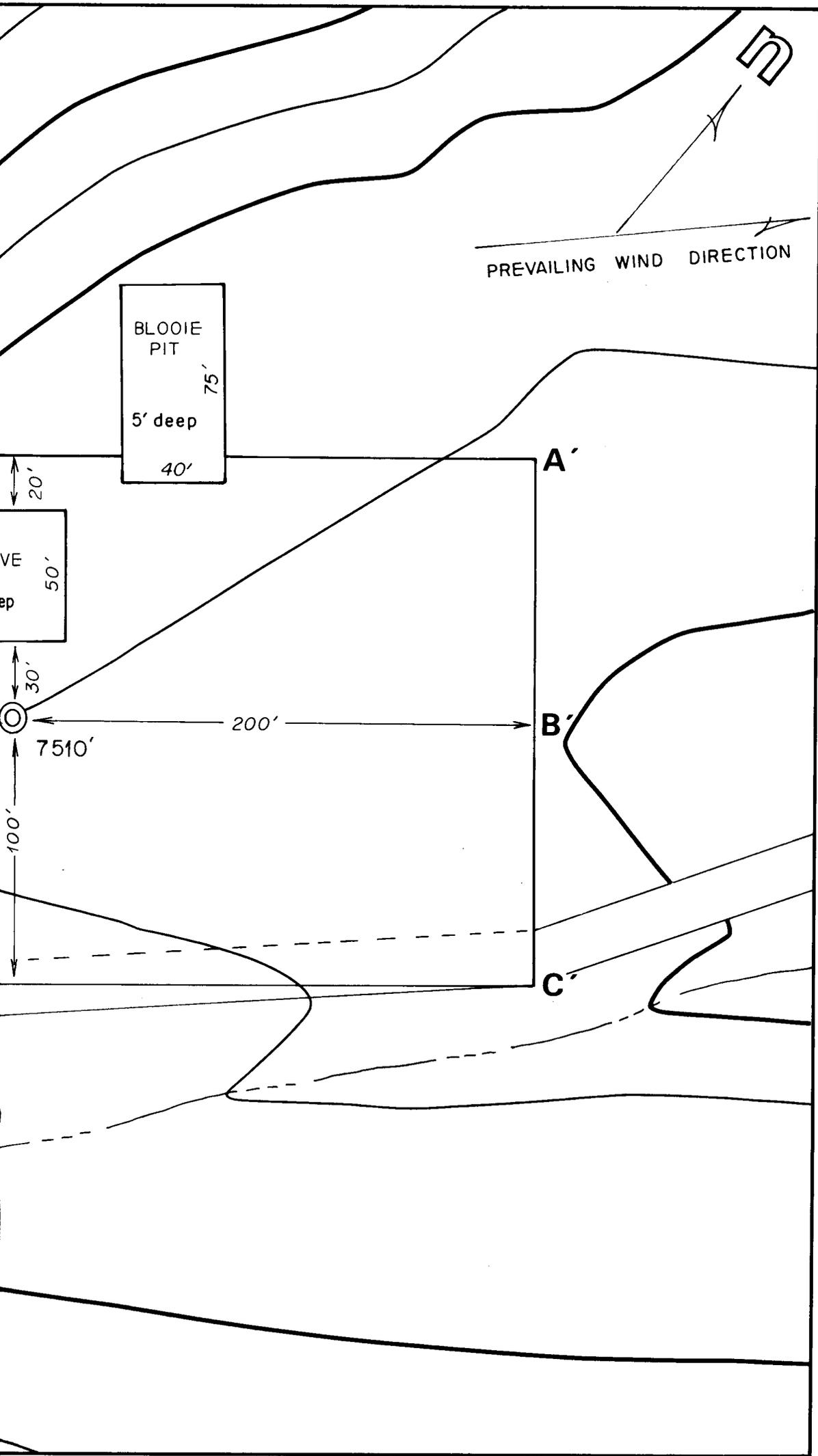
8' deep

75'

50'

EXISTING
ROAD

EXISTING
ROAD



BURTON

EXHIBIT

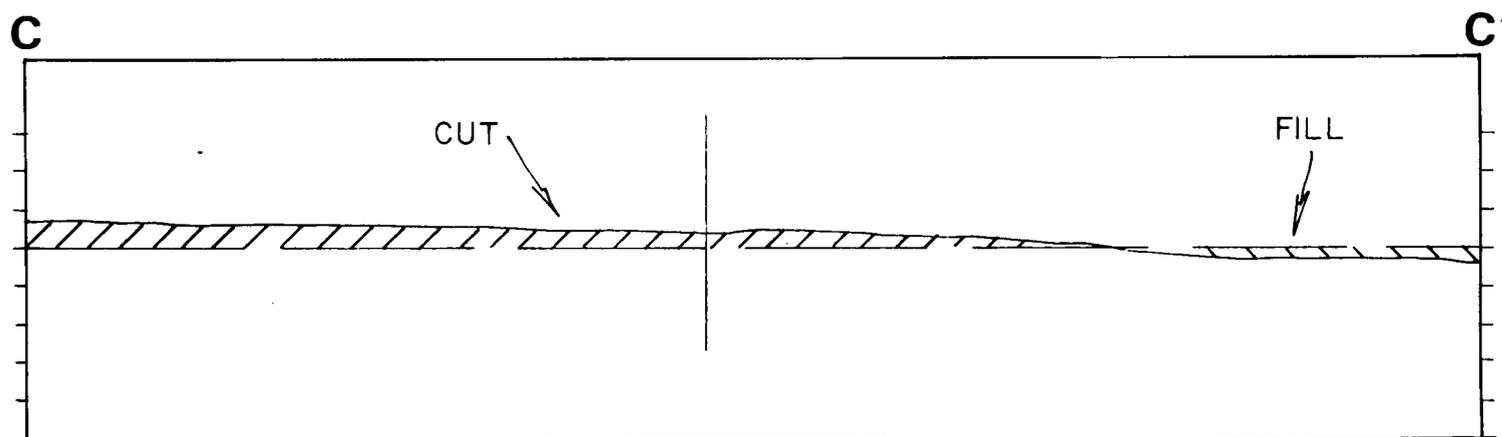
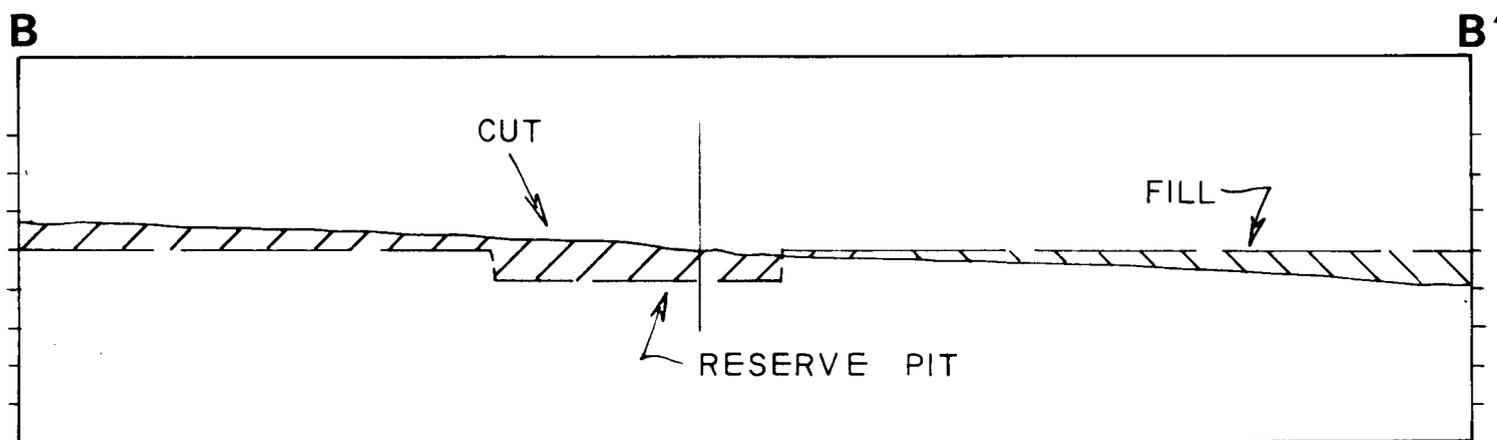
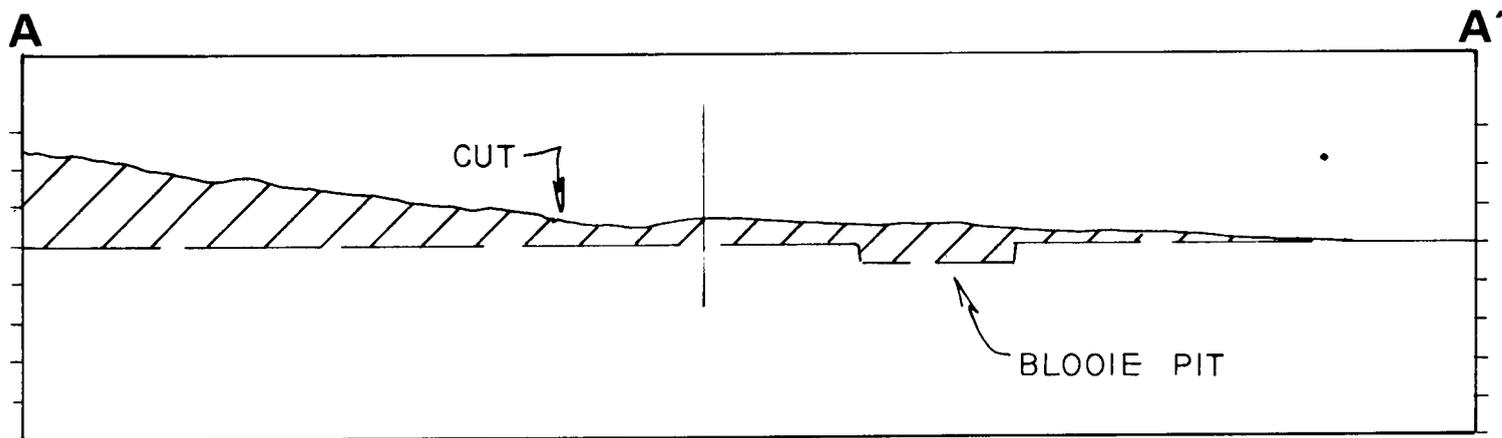
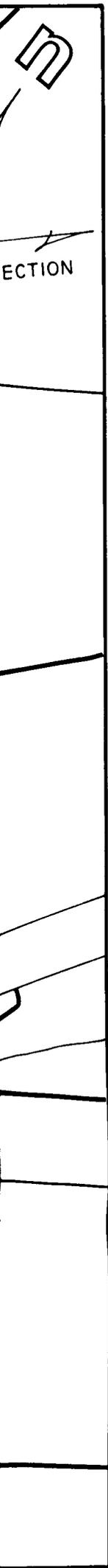
BURTON/HAW

No. 21-1 Wire Fence

NW NE Sec. 24

Interpretation by:

Date: MAY, 1979



BURTON/HAWKS, INC.

EXHIBIT-D

BURTON/HAWKS, INC.

No. 21-1 Wire Fence Canyon - Fed.
NW NE Sec. 21, 6S-5W

Interpretation by:

Date: MAY, 1979

Contour Interval: 40'

Map Scale: 1" = 50 H&V

STATE OF UTAH
DIVISION OF OIL, GAS, AND MINING

** FILE NOTATIONS **

Date: May 31, 1979
Operator: Energy Reserves Group, Inc.
Burton/Hawks, Inc.
Well No: Wire Fence Canyon 21-1
Location: Sec. 21 T. 6S R. 5W County: Duchesne

File Prepared: Entered on N.I.D.:
Card Indexed: Completion Sheet:
API Number: 43-013-30496

CHECKED BY:

Administrative Assistant: _____

Remarks:

Petroleum Engineer: M.G. Minder 6-18-79

Remarks: To close to GAS well #22-1 Bob Wellborn

Director: _____

Remarks:

INCLUDE WITHIN APPROVAL LETTER:

#2

Bond Required: Survey Plat Required:

Order No. _____ 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



BURTON/HAWKS, INC.

First National Bank Building
P. O. Box 359
Casper, Wyoming 82602
307/234/1593

June 6, 1979



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

Re: Burton/Hawks, Inc.
#21-1 Wire Fence Canyon Federal
NW NE Section 21, T6S, R5W
Duchesne County, Utah

Dear Mr. Mender:

We are requesting an exception to the standard spacing pattern for this well. The Forest Service inspected this site at the time it was staked and due to the extreme topography (see attached letter) requested we stake it in the location we did.

There are no other leaseholders within a 660' radius of this location.

Sincerely,

BURTON/HAWKS, INC.


Glenn R. Bochmann
Field Representative

GRB:kca
Encls.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1A. TYPE OF WORK
 DRILL DEEPEN PLUG BACK

B. TYPE OF WELL
 OIL WELL GAS WELL OTHER
 SINGLE ZONE MULTIPLE ZONE

2. NAME OF OPERATOR
 Burton/Hawks, Inc. 30496

3. ADDRESS OF OPERATOR
 P. O. Box 359, Casper, Wyoming 82602

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)
 At surface 944
 NW $\frac{1}{4}$ NE $\frac{1}{4}$ (844' FNL/1592' FEL)
 At proposed prod. zone

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
 35 miles south Duchesne, Utah

10. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 844'
 16. NO. OF ACRES IN LEASE 1240.00

18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. N/A
 17. NO. OF ACRES ASSIGNED TO THIS WELL 160.00

21. ELEVATIONS (Show whether DF, RT, GR, etc.) 7510' GR
 20. ROTARY OR CABLE TOOLS Rotary
 22. APPROX. DATE WORK WILL START* June 1, 1979

23. PROPOSED CASING AND CEMENTING PROGRAM:

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12-1/4"	9-5/8"	36# K-55	300'	To Surface
8-3/4"	7"	20# K-55	5000'	200 sx ± (If producer)

Proposed Program

See attached Well Synopsis.

Lease Description

T6S-R5W USM
 Sec. 13 SW $\frac{1}{4}$: N/2SE $\frac{1}{4}$, SW $\frac{1}{4}$ SE $\frac{1}{4}$
 Sec. 15 NW $\frac{1}{4}$: SE $\frac{1}{4}$
 Sec. 21 All

BOP Program

See attached 10-Point Program.

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 Stuart R. Roshman TITLE Field Representative DATE May 22, 1979

(This space for Federal or State office use)

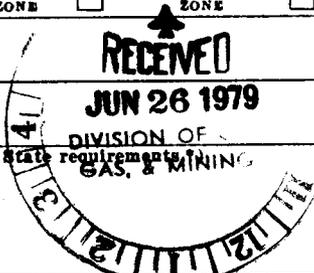
PERMIT NO. _____ APPROVAL DATE _____
 APPROVED BY W. T. Mather TITLE ACTING DISTRICT ENGINEER DATE JUN 22 1979

CONDITIONS OF APPROVAL, IF ANY: _____

CONDITIONS OF APPROVAL ATTACHED TO OPERATOR'S COPY

NOTICE OF APPROVAL
 *See Instructions On Reverse Side

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



5. LEASE DESIGNATION AND SERIAL NO. U-8895-A
 6. IF INDIAN, ALLOTTEE OR TRIBE NAME
 7. UNIT AGREEMENT NAME Wire Fence Canyon Unit
 8. FARM OR LEASE NAME
 9. WELL NO. No. 21-1 Wire Fence Canyon
 10. FIELD AND POOL, OR WILDCAT Federal Wildcat
 11. SEC., T., R., M., OR BLM. AND SURVEY OR AREA Sec. 21-6S-5W USM
 12. COUNTY OR PARISH Duchesne 13. STATE Utah

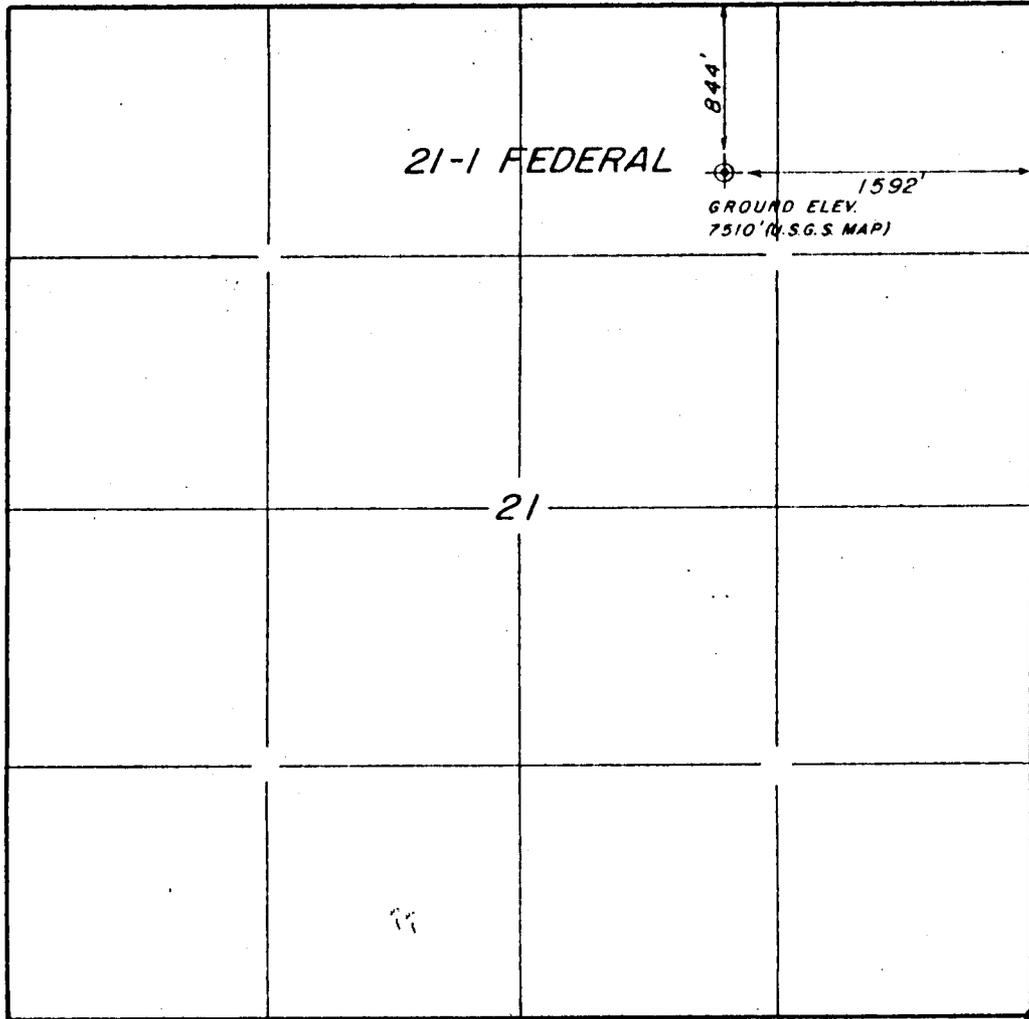
St. 086

BURTON/HAWKS, INC.
WELL LOCATION

Location in the NW¼ of the NE¼ of
 Sec. 21, T6S, R5W, of the U.S.B.&M.

21-1 WIRE FENCE CANYON FEDERAL

N 89° 56' W 88.22 CHS



SCALE: 1"=1000'

NOTES & LEGEND

- ◆ Original stone monuments

General Land Office plats were used for reference and calculations

The Basis of bearings was determined by Solar observations.

SURVEYOR'S CERTIFICATE

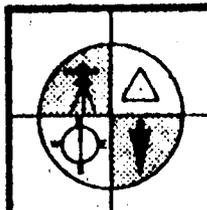
I hereby certify that this plat was prepared from field notes of an actual survey performed under my direct supervision.

Jeffrey D. Allred
 Jeffrey D. Allred, Registered Land Surveyor, Cert. No. 3817 (Utah)



76-123-011

21 May '79



ALLRED - PEATROSS ASSOCIATES
 Surveying & Engineering Consultants
 P. O. Drawer C
 DUCHESNE, UTAH 84021
 (801) 738-5352

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN TRIPlicate*
(Other instructions re-
verse side)

Form approved.
Budget Bureau No. 42-R1424.

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WYEL GAS WYEL OTHER

2. NAME OF OPERATOR
Burton/Hawks, Inc.

3. ADDRESS OF OPERATOR
P.O. Box 359, Casper, Wyoming 82602

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*
See also space 17 below.)
At surface
NW¼ NE¼ (844' FNL/1592' FEL)

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, RT, GR, etc.)
7510' GR

5. LEASE DESIGNATION AND SERIAL NO.
U-8895

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME
Wire Fence Canyon Unit

8. FARM OR LEASE NAME

9. WELL NO.
No. 21-1 Wire Fence Canyon-

10. FIELD AND POOL, OR WILDCAT
Wildcat Federal

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

12. COUNTY OR PARISH
Sec. 21, T6S-R5W USM
13. STATE
Duchesne Utah

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

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF
FRACTURE TREAT.
SHOOT OR ACIDIZE
REPAIR WELL
(Other)

PULL OR ALTER CASING
MULTIPLE COMPLETE
ABANDON*
CHANGE PLANS

SUBSEQUENT REPORT OF:

WATER SHUT-OFF
FRACTURE TREATMENT
SHOOTING OR ACIDIZING
(Other) Spud well-Set conductor pipe

REPAIRING WELL
ALTERING CASING
ABANDONMENT*

(NOTE: Report results of multiple completion on 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.)*

June 29, 1979 Spudder on location, preparing to set conductor pipe.
June 30, 1979 Spudded. Drilled 43' of 17" hole. Set 43' of 13-3/8" 48#
1 joint casing.
July 1, 1979 Rig released.

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

SIGNED James M. Hitch TITLE Field Representative DATE July 9, 1979
James M. Hitch

(This space for Federal or State office use)

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



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
June 11, 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

BURTON/HAWKS INC
P O BOX 359
CASPER WY 82602

Re: Well No. Sowers Canyon Federal 27-1, Sec. 27, T. 6S, R. 6W, Duchesne Ct., UT
Well No. Wire Fence Canyon 21-1, Sec. 21, T. 6S, R. 5W, Duchesne County, UT
Well No. Twelve Mile Creek Fed. 17-1, Sec. 17, T. 6S, R. 7W, Duchesne Ct., UT
Well No. Alkali Canyon Fed. 31-1, Sec. 31, T. 6S, R. 7W, Duchesne County, UT

Gentlemen:

The State of Utah, General Rules and Regulations, and Rules of Practice and Procedure, amended March 22, 1978, Rule C-3, "General Well Spacing Requirements" reads as follows:

- (a) The spacing of wells in pools for which drilling units have been established shall be governed by special rules for that particular pool.
- (b) All wells drilled for oil and/or gas which are not within an area covered by a special area spacing rule or which are not within a pool for which drilling units have been established, shall be located not less than 500 feet from any property or lease line or from the boundary of any legal subdivision comprising a governmental quarter-quarter section or equivalent lot or lots of comparable size and location and not less than 1000 feet from any oil well, or 4960 feet from any gas well, unless otherwise specifically permitted by order of the Commission after notice and hearing, unless an exception is granted by the Commission pursuant to Rule C-3(c).
- (c) The Commission may grant an exception to the requirements of (b) above as to the situs of a particular well location, without notice and hearing, where an application has been filed in due form and;

(1) The necessity for an unorthodox location is based on topographical, and/or geological conditions, and;

(2) The ownership of all oil and gas leases within a radius of 660 feet of the proposed location is common with the ownership of the oil and gas leases under the proposed location, or all owners of oil and gas leases within such radius consent in writing to the proposed location.

(d) Whenever an exception is granted, the Commission may take such action as will offset any advantage which the person securing the exception may obtain over other producers by reason of the unorthodox location.

(e) The spacing requirements of this rule shall not apply in cases where, in the opinion of the Commission, engineering practices have proven otherwise.

Your location appears to be an unorthodox well location and if it cannot be relocated to comply with Rule C-3(b) please submit an application for exception as outlined in Rule C-3(c).

You are also requested to furnish substantial information and data to support your application for an exception location. This may be in the form of a statement as to why this well cannot be located on general spacing and must be placed at the proposed location; it may include charts, maps, letters or other data which will provide this Division sufficient information on which to base a decision.

Yours very truly,

DIVISION OF OIL, GAS, AND MINING

Michael T. Minder

Michael T. Minder, Geological Engineer

MTM/lw

FILE IN QUADRUPPLICATE
FORM OGC-8-X

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING
1588 West North Temple
Salt Lake City, Utah 84116



REPORT OF WATER ENCOUNTERED DURING DRILLING

Well Name & Number: #21-1 WIRE FENCE CANYON - FEDERAL
Operator: BURTON/HAWKS, INC Address: CASPER, WYOMING
Contractor: BURTON/HAWKS DRILLING CO. Address: " "
Location NW 1/4 NE 1/4; Sec. 21 T. 6S N, R. 5W E; Duchesne County
S H

Water Sands:

<u>Depth:</u>		<u>Volume:</u>	<u>Quality:</u>
<u>From-</u>	<u>To-</u>	<u>Flow Rate or Head</u>	<u>Fresh or Salty</u>
1. <u>SURFACE</u>	<u>?</u>	<u>Too much water to drill with air. Had to mud up hole to drill surface hole.</u>	<u>? prob fresh.</u>
2. <u>2140'</u>	<u>?</u>	<u>Hit a small amount of water, Had to start soap-mist drilling</u>	<u>?</u>
3.			
4.			
5.			

(Continue on Reverse Side if Necessary)

Formation Tops: GREEN RIVER FM - SURFACE
WASATCH FM - 5058'

Remarks:

- NOTE: (a) Upon diminishing supply of forms, please inform this office.
(b) Report on this form as provided for in Rule C-20, General Rules and Regulations and Rules of Practice and Procedure.
(c) If a water analysis has been made of the above reported zone, please forward a copy along with this form.



LITE RESEARCH LABORATORIES

P.O. Box 119

Fort Duchesne, Utah 84026

(801) 722-2254

CRUDE OIL ANALYSIS REPORT

COMPANY Burton Hawks Inc. DATE 7-17-79 LAB. NO. CO-6800²
 WELL NO. 21-1 Wire Fence Federal LOCATION Section 21 Township 10S Range (SW)
 FIELD Wildcat FORMATION Greenriver
 COUNTY Duchesne DEPTH 4505 ft.
 STATE Utah ANALYZED BY _____

SEPARATOR SAMPLE GENERAL CHARACTERISTICS

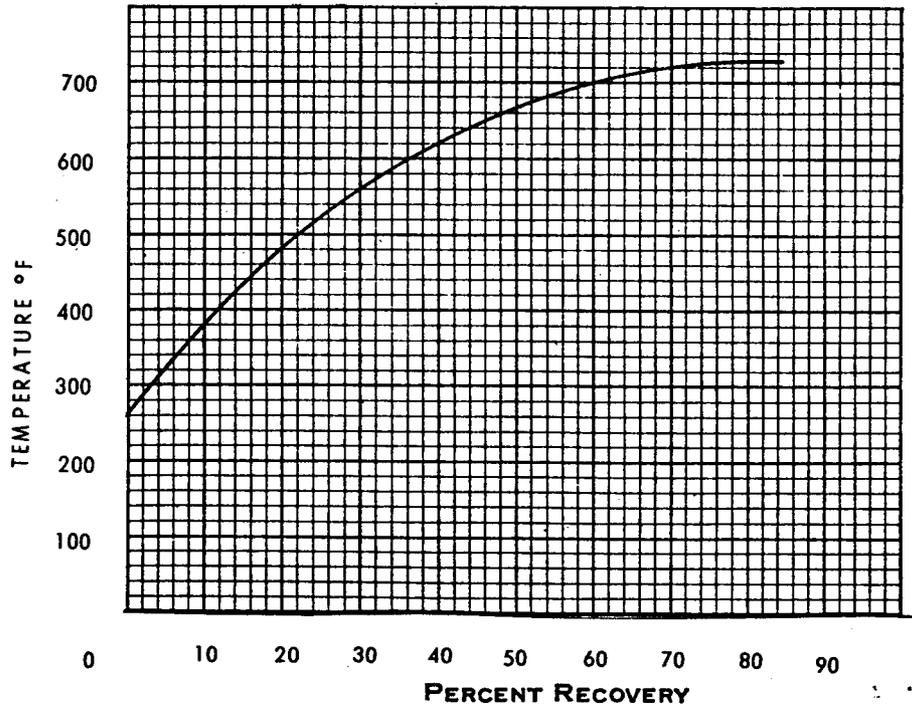
SPECIFIC GRAVITY @ 60/60 °F. 34.7 0.8514
 A. P. I. GRAVITY @ 60° F. 40.0 @ 132 34.7
 VISCOSITY 50.0 seconds @ 160 °F Saybolt
 VISCOSITY 43.0 seconds @ 210 °F Saybolt
 B. S. AND WATER % BY VOLUME _____ .06
 POUR POINT, °F _____ 105°F
 TOTAL SULPHUR, % BY WEIGHT _____ .15

REMARKS: Submitted by L. R. E. Wellborn

ENGLER DISTILLATION

RECOVERY, %	TEMPERATURE, °F
IBP	260
5	340
10	420
15	480
20	530
25	570
30	600
35	640
40	660
45	680
50	700
55	705
60	710
65	715
70	720
75	730
80	730
85	730
90	730

DISTILLATION GRAPH



E. P.

RECOVERY, % 95
 RESIDUE, % 5
 LOSS % 0

APPROXIMATE RECOVERY
 437 ~~300~~ EP GASOLINE, % 11
 550 ~~300~~ EP GASOLINE, % 23 KERO
 640 ~~300~~ EP DISTILLATE, % 12

STATE OF UTAH
OIL & GAS CONSERVATION COMMISSION

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.)

<p>1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/></p> <p>2. NAME OF OPERATOR <u>Energy Reserves Group, Inc.</u></p> <p>3. ADDRESS OF OPERATOR <u>P. O. Box 3280 Casper, Wyoming 82601</u></p> <p>4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface <u>NW/NE Sec 21-T6S-R5W (844' FNL. 1592' FEL) Duchesne, Utah.</u></p>		<p>5. LEASE DESIGNATION AND SERIAL NO. <u>U-8895</u></p> <p>6. IF INDIAN, ALLOTTEE OR TRIBE NAME</p> <p>7. UNIT AGREEMENT NAME <u>Wire Fence Canyon Unit</u></p> <p>8. FARM OR LEASE NAME</p> <p>9. WELL NO. <u>21-1 Wire Fence Canyon Fed.</u></p> <p>10. FIELD AND POOL, OR WILDCAT <u>Wildcat</u></p> <p>11. SEC., T., R., M., OR BLE. AND SURVEY OR AREA <u>Sec. -21-T6W-R5W</u></p> <p>12. COUNTY OR PARISH <u>Duchesne</u></p> <p>13. STATE <u>Utah</u></p>
<p>14. PERMIT NO.</p>	<p>15. ELEVATIONS (Show whether DF, RT, OR, etc.) <u>7510' GR</u></p>	

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

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input checked="" type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) <input type="checkbox"/>	

(NOTE: Report results of multiple completion on 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.)*

We plan to complete the subject well as follows:

1. MIRUSU
2. Install tbg head & BOP & test BOP.
3. Run bit & scraper.
4. Run diff temp background log from surface to PBTD. Run GR/CCL from PBTD to 3000'.
5. Perf Green River formation w/1 JSPF from 4466' - 4504' per Dresser Atlas FDC-CNL log dated 7-20-79.
6. Acidize perms w/6000 gals 15% HCl and ball sealers down tbg & pkr.
7. Rerun diff temp log to determine top & bottom of fluid entry & storage.
8. Swab back load fluid.
9. Place on production.

APPROVED BY THE DIVISION OF
OIL, GAS, AND MINING
DATE: Sept. 13, 1979
BY: Frank M. Hanned

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

SIGNED Curtis J. Mac Intyre TITLE Production Engineer DATE September 7, 1979

(This space for Federal or State office use)

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil well gas well other

2. NAME OF OPERATOR
Energy Reserves Group, Inc.

3. ADDRESS OF OPERATOR
P. O. Box 3280 Casper, Wyoming 82601

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: NW/NE Sec. 21-T6S-R5W
AT TOP PROD. INTERVAL: (844' FNL, 1592' FEL)
AT TOTAL DEPTH:

5. LEASE
U-8895

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME
Wire Fence Canyon Unit

8. FARM OR LEASE NAME

9. WELL NO.
21-1 Wire Fence Canyon Federal

10. FIELD OR WILDCAT NAME
Wildcat

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec. 21-T6S-R5W

12. COUNTY OR PARISH
Duchesne

13. STATE
Utah

14. API NO.

15. ELEVATIONS (SHOW DF, KDB, AND WD)
7510 G.L.

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

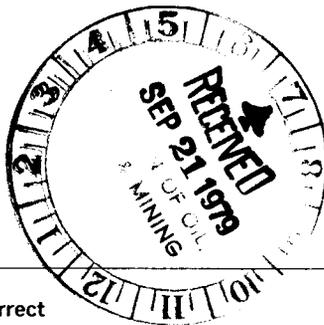
REQUEST FOR APPROVAL TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF	<input type="checkbox"/>		<input type="checkbox"/>
FRACTURE TREAT	<input type="checkbox"/>		<input type="checkbox"/>
SHOOT OR ACIDIZE	<input type="checkbox"/>		<input type="checkbox"/>
REPAIR WELL	<input type="checkbox"/>		<input type="checkbox"/>
PULL OR ALTER CASING	<input type="checkbox"/>		<input type="checkbox"/>
MULTIPLE COMPLETE	<input type="checkbox"/>		<input type="checkbox"/>
CHANGE ZONES	<input type="checkbox"/>		<input type="checkbox"/>
ABANDON*	<input type="checkbox"/>		<input type="checkbox"/>
(other) Notice of MICT	<input type="checkbox"/>		<input type="checkbox"/>

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

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.)*

On 9-17-79 ERG moved in completion tools to begin completion work on the subject well as outlined in the sundry notice dated 9-7-79.

This is to confirm the telecon between Curtis MacIntyre and Robert Henricks at 3:20 p.m. 9-18-79.



Subsurface Safety Valve: Manu. and Type _____ Set @ _____ Ft.

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

SIGNED Curtis J. MacIntyre TITLE Prod. Engr. DATE 9-18-79

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

STATE OF UTAH
OIL & GAS CONSERVATION COMMISSION

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.)

<p>1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/></p> <p>2. NAME OF OPERATOR <i>ENERGY RESERVES GROUP, INC.</i></p> <p>3. ADDRESS OF OPERATOR <i>P.O. Box 3280, Casper, Wyoming 82601</i></p> <p>4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface <i>844' FNL, 1592' FEL Sec. 21, T6S-R5W</i></p>		<p>5. LEASE DESIGNATION AND SERIAL NO. <i>U-8895</i></p> <p>6. IF INDIAN, ALLOTTEE OR TRIBE NAME</p> <p>7. UNIT AGREEMENT NAME <i>Wire Fence Canyon Unit</i></p> <p>8. FARM OR LEASE NAME</p> <p>9. WELL NO. <i>21-1 Wire Fence Canyon Unit</i></p> <p>10. FIELD AND POOL, OR WILDCAT <i>Wildcat Fed.</i></p> <p>11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA <i>NW/NE Sec 21, T6S-R5W</i></p> <p>12. COUNTY OR PARISH <i>Duchesne</i></p> <p>13. STATE <i>Utah</i></p>
<p>14. PERMIT NO.</p>	<p>15. ELEVATIONS (Show whether DF, RT, GR, etc.) <i>7510 G.L.</i></p>	

OPERATOR NAME CHANGE

30496

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

NOTICE OF INTENTION TO:

<p>TEST WATER SHUT-OFF <input type="checkbox"/></p> <p>FRACTURE TREAT <input type="checkbox"/></p> <p>SHOOT OR ACIDIZE <input type="checkbox"/></p> <p>REPAIR WELL <input type="checkbox"/></p> <p>(Other) <input type="checkbox"/></p>	<p>PULL OR ALTER CASING <input type="checkbox"/></p> <p>MULTIPLE COMPLETE <input type="checkbox"/></p> <p>ABANDON* <input type="checkbox"/></p> <p>CHANGE PLANS <input type="checkbox"/></p>
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SUBSEQUENT REPORT OF:

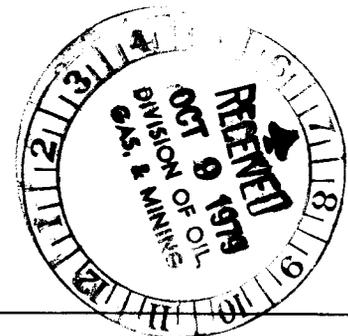
<p>WATER SHUT-OFF <input type="checkbox"/></p> <p>FRACTURE TREATMENT <input type="checkbox"/></p> <p>SHOOTING OR ACIDIZING <input checked="" type="checkbox"/></p> <p>(Other) <input type="checkbox"/></p>	<p>REPAIRING WELL <input type="checkbox"/></p> <p>ALTERING CASING <input type="checkbox"/></p> <p>ABANDONMENT* <input type="checkbox"/></p>
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(NOTE: Report results of multiple completion on 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.)*

This notice is to recap completion progress during the month of September on the subject well.

- 9-17-79 MICT.*
- 9-21-79 Perfed Green River form at 4466'-4504' w/1 JSPF.*
- 9-22-79 Acidized down tbg and pkr w/6000 gals. 15% HCL acid w/ ball sealers*
- 9-23-79 through 10-4-79 Swab Test.*
- 10-4-79 Run tbg anchor, tbg and seating nipple and prep to put on production test.*



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

SIGNED *Curtis J. MacIntyre* TITLE *Production Engineer* DATE *10-4-79*

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

AD

STATE OF UTAH
OIL & GAS CONSERVATION COMMISSION

SUBMIT IN TRIPPLICATE*
(Other instructions on reverse side)

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.)

<p>1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/></p> <p>2. NAME OF OPERATOR <u>Energy Reserves Group, Inc.</u></p> <p>3. ADDRESS OF OPERATOR <u>P.O. Box 3280, Casper, Wyoming 82602</u></p> <p>4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface <u>844' FNL, 1592' FEL Sec. 21-T6S-R5W</u></p>		<p>5. LEASE DESIGNATION AND SERIAL NO. <u>U-8895</u></p> <p>6. IF INDIAN, ALLOTTEE OR TRIBE NAME</p> <p>7. UNIT AGREEMENT NAME <u>Wire Fence Canyon Unit</u></p> <p>8. FARM OR LEASE NAME</p> <p>9. WELL NO. <u>21-1 Wire Fence Canyon Fed.</u></p> <p>10. FIELD AND POOL, OR WILDCAT <u>Wildcat</u></p> <p>11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA <u>NW/NE Sec. 21-T6S-R5W</u></p> <p>12. COUNTY OR PARISH <u>Duchesne</u></p> <p>13. STATE <u>Utah</u></p>
<p>14. PERMIT NO.</p>	<p>15. ELEVATIONS (Show whether DF, RT, OR, etc.) <u>7510 G.L.</u></p>	

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

NOTICE OF INTENTION TO :		SUBSEQUENT REPORT OF :	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) <u>Completion Status</u> <input type="checkbox"/>	

(NOTE: Report results of multiple completion on 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.)*

This notice is to recap completion progress during the month of November on the subject well.

10-25-79 to 11-13-79 - Preparing to set pumping equipment.

11-14-79 to 11-27-79 - Setting production equipment.



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

SIGNED Curtis J. MacIntyre TITLE Production Engineer DATE 11-27-79

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

February 26, 1980

Energy Reserves Group
P.O. Box 3280
Casper, Wyoming, 82602

Re: Well No. Wire Fence Canyon 21-1
Sec. 21, T. 6S, R. 5W
Duchesne County, Utah

Gentlemen:

This letter is to advise you that the Well Completion or Recompletion Report and Log for the above mentioned well is due and has not been filed with this office as required by our rules and regulations.

Please complete the enclosed Form OGC-3, in duplicate, and forward them to this office as soon as possible.

Thank you for your cooperation relative to the above.

Very truly yours,

DIVISION OF OIL, GAS, AND MINING

Janice Tabish

JANICE TABISH
CLERK TYPIST

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE

(See other instructions on reverse side)

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

2

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
Energy Reserves Group, Inc.

3. ADDRESS OF OPERATOR
P.O. Box 3280, Casper, Wyoming 82602

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*
At surface 944' FNL, 1592' FEL (NW/NE)
At top prod. interval reported below
At total depth

14. PERMIT NO. -30496 DATE ISSUED

5. LEASE DESIGNATION AND SERIAL NO.

U-8895-A

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

Wire Fence Canyon Unit

8. FARM OR LEASE NAME

9. WELL NO.

21-1

10. FIELD AND POOL, OR WILDCAT

Wildcat

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

Sec. 21-T6S-5W

12. COUNTY OR PARISH Duchesne 13. STATE Utah

15. DATE SPUDDED 6-30-79 16. DATE T.D. REACHED 7-20-79 17. DATE COMPL. (Ready to prod.) 12-31-79 18. ELEVATIONS (DF, R&B, RT, GR, ETC.)* GRD 7,510' KB 19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD 5,061' 21. PLUG, BACK T.D., MD & TVD 4,965' 22. IF MULTIPLE COMPL., HOW MANY* NA 23. INTERVALS DRILLED BY → 24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* 4,466' - 4,504' - Green River 25. WAS DIRECTIONAL SURVEY MADE NO

26. TYPE ELECTRIC AND OTHER LOGS RUN Dual Induction Focused; Comp. Densilog - Neutron; Comp. Densilog 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
13-3/8"	48#	43'	17"	Conductor - No cmt.	-0-
9-5/8"	36#	705'	12-1/4"	390 sks 'G' + 2% CaCl ₂ + 1/4#/sk Celloflakes	-0-
7"	23#	5056'	8-3/4"	200 sks 'G' + 10% Salt +*	-0-

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
		None			2-7/8"	4,538'	None

31. PERFORATION RECORD (Interval, size and number) 4,466' - 4,504' w/1 JSPF (37 Holes)

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
4466' - 4504'	6000 gals 15% HCl w/additives

33.* PRODUCTION

DATE FIRST PRODUCTION	PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)	WELL STATUS (Producing or shut-in)
12-17-79	Pumping	Producing

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
12-31-79	24	-----	→	6.66	4.0	0	601

FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	WELL HEAD PRESS. (CORR.)
-----	18#	→	6.66	4.0		

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

35. LIST OF ATTACHMENTS None

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

SIGNED Healy B. Barner TITLE Dist. Prod - Engr - RMD

WITNESSED BY Ray Badke DATE MAR 6 1980

DIVISION OF OIL, GAS & MINING DATE 1-24-80

*(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		38. GEOLOGIC MARKERS	
FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.
			*Cementing 7" + 1/4# sk Celloflakes + additives
			LOG TOPS Green River Wasatch TD Driller Logger
			Surface 5,058' 5,061' 5,062'

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

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil well gas well other

2. NAME OF OPERATOR
Energy Reserves Group, Inc.

3. ADDRESS OF OPERATOR
P.O. Box 3280 - Casper, Wyoming 82602

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 944' FNL, 1,592' FEL (NW NE)
AT TOP PROD. INTERVAL:
AT TOTAL DEPTH:

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:	SUBSEQUENT REPORT OF:
TEST WATER SHUT-OFF <input type="checkbox"/>	<input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	<input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	<input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	<input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	<input type="checkbox"/>
MULTIPLE COMPLETE <input type="checkbox"/>	<input type="checkbox"/>
CHANGE ZONES <input type="checkbox"/>	<input type="checkbox"/>
ABANDON* <input type="checkbox"/>	<input type="checkbox"/>
(other) Suspend Operations <input type="checkbox"/>	<input checked="" type="checkbox"/>

5. LEASE
U-8895-A

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME
Wire Fence Canyon Unit

8. FARM OR LEASE NAME

9. WELL NO.
21-1

10. FIELD OR WILDCAT NAME
Wildcat

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec 21-T6S-R5W

12. COUNTY OR PARISH
Duchesne

13. STATE
Utah

14. API NO.

15. ELEVATIONS (SHOW DF, KDB, AND WD)
GRD 7,510'

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

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.)*

The well was put on production 12-18-79 and the official completion date was 12-31-79.

Our economic evaluation (according to USGS guidelines) indicated the well was not capable of producing unitized substances in paying quantities. This was approved by the USGS on 2-27-80 (see attached). The current producing rate is about 2 to 3 BOPD. We plan to SI the well during the first week in April and plan to leave it SI indefinitely. Its status will be reported on Form 9-329 - Monthly Report of Operations.

APPROVED BY THE DIVISION OF
OIL, GAS, AND MINING

DATE: 4/3/80

BY: *M. J. [Signature]*

Subsurface Safety Valve: Manu. and Type _____ Set @ _____ Ft.

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

SIGNED *[Signature]* TITLE Dist Prod Engr-RMD DATE 3-27-80

(This space for Federal or State office use)

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

RECEIVED
MAR 31 1980
DIVISION OF
OIL, GAS & MINING



United States Department of the Interior

GEOLOGICAL SURVEY

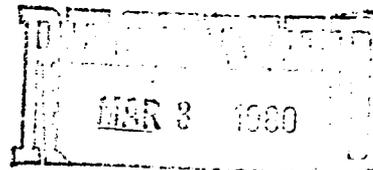
P.O. BOX 2859
CASPER, WYOMING 82602

RECEIVED
MAR 12 1980
RML CASPER

IN REPLY REFER TO:

79

February 27, 1980



ENERGY RESERVES
DNV LAND DEPT

Energy Reserves Group
P.O. Box 1407
Denver, Colorado 80201

Gentlemen:

Pursuant to your request of February 14, 1980, it has been determined by this office that under existing conditions the Wire Fence Canyon unit well No. 1, located in the NW $\frac{1}{4}$ NE $\frac{1}{4}$, Sec. 21, T. 6 S., R. 5 W., Duchesne County, Utah, is not capable of producing unitized substances in paying quantities as defined in Section 9 of the unit agreement.

Production from this well shall be handled and reported on a lease basis.

In the event you plan to delegate the responsibility for producing, maintaining, and filing required reports on this particular nonpaying unit well to another party, please complete and return the attached delegation of authority in duplicate to this office. Otherwise, you will be responsible, as unit operator, for all such operations.

Sincerely yours,

C. J. Curtis
Area Oil and Gas Supervisor

Enclosure

RECEIVED
MAR 31 1980

DIVISION OF
OIL, GAS & MINING

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil well gas well other

2. NAME OF OPERATOR
Energy Reserves Group, Inc.

3. ADDRESS OF OPERATOR
P.O. Box 3280 - Casper, Wyoming 82602

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 944' FNL & 1,592' FEL (NW/NE)
AT TOP PROD. INTERVAL:
AT TOTAL DEPTH:

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

- REQUEST FOR APPROVAL TO:
- TEST WATER SHUT-OFF
- FRACTURE TREAT
- SHOOT OR ACIDIZE
- REPAIR WELL
- PULL OR ALTER CASING
- MULTIPLE COMPLETE
- CHANGE ZONES
- ABANDON*
- (other)

- SUBSEQUENT REPORT OF:
- REVISION OF REPORT
- REVISION OF DATA
- REVISION OF LOCATION
- REVISION OF DEPTH
- REVISION OF ZONES
- REVISION OF OTHER DATA

5. LEASE
U-8895-A

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME
Wire Fence Canyon Unit

8. FARM OR LEASE NAME

9. WELL NO.
21-1

10. FIELD OR WILDCAT NAME
Wildcat

11. SEC., T., R., M. OR BLK. AND SURVEY OR AREA
Sec. 21-T6S-R5W

12. COUNTY OR PARISH
Duchesne

13. STATE
Utah

14. API NO.

15. ELEVATIONS (SHOW DF, KDB, AND WD)
KB 7,521' (GRD + 11')

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

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.)*

SEE BACK OF PAGE

RECEIVED

JAN 10 1978

DIVISION OF OIL, GAS & MINING

Subsurface Safety Valve: Manu. and Type _____ Set @ _____ Ft.

18. I hereby certify that the foregoing is true and correct.
SIGNED Bobby Patrick TITLE Prod. Engr-RMD DATE 1-6-81

(This space for Federal or State office use)
APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

Instructions

General: This form is designed for submitting proposals to perform certain well operations, and reports of such operations when completed, as indicated, on Federal and Indian lands pursuant to applicable Federal law and regulations, and, if approved or accepted by any State, on all lands in such State, pursuant to applicable State law 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.

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 17: Proposals to abandon a well and subsequent reports of abandonment should include such special information as is required by local Federal and/or State offices. In addition, such proposals and reports should include reasons for the abandonment; data on any former or present productive zones, or other zones with present significant fluid contents not sealed off by cement or otherwise; depths (top and bottom) and method of placement of cement plugs; mud or other material placed below, between and above plugs; amount, size, method of parting of any casing, liner or tubing pulled and the depth to top of any left in the hole; method of closing top of well; and date well site conditioned for final inspection looking to approval of the abandonment.

Date of Work: December 3-11, 1980

Verbal approval was received from W.P. Martens of the U.S.G.S., Salt Lake City by phone on 11-25-80 to proceed with abandonment. RU service unit. TOOH w/tubing & remove anchor. TIH w/tubing & spotted 40 sx 50-50 Pozmix + 2% Gel & 10% Salt cement plug from ± 4,515' to ± 4,466' (across perfs). TOOH w/tubing. Welded pulling nipple to 7" casing and pulled up to ± 170,000# for 4.5 hrs. Pulled up to ± 270,000# for 10 hrs. RU Go Wireline & ran free point--free @ 2,050'. Jet cut @ 2,017', pulled casing 2' & pipe became stuck. Pulled up to ± 270,000# for 82 hrs. Jet cut again @ 1,770' and recovered 1,778' of 7' casing leaving 3,278' of 7" in hole. TIH w/tubing to ± 1,900' & spotted 75 sx 50-50 Pozmix + 2% Gel & 10% Salt. PU tubing to ± 770' & spotted 50 sx 50-50 Pozmix + 2% Gel & 10% Salt. PU tubing to surface and spot a 10 sx plug. Heavy mud was circulated between plugs. Installed dry hole marker & welded plate to marker & 9-5/8" casing. RD service unit. Dig-out anchor for completion unit and cutoff.

The location will be restored and cleaned up when time and weather permits. Energy Reserves Group, Inc., will notify the U.S.G.S. office when work has been completed.

APPROVED BY _____
CONDITIONS OF APPROVAL IF ANY _____

SIGNED _____
DATE _____

18. I hereby certify that _____
Substance Safety Valve _____

17. DESCRIBE PROPOSED WORK, INCLUDING ESTIMATED COSTS MEASURED AND THE WELL

16. CHECK APPROPRIATE TOOLS TO BE USED AT TOTAL DEPTH AT SURFACE 94' AT TOP PROD. INT. AT TOTAL DEPTH (below) LOCATION OF WELL REPORT TO ENERGY RESERVES GROUP, INC. P.O. Box 3280 ADDRESS OF OPERATOR Energy Reserves Group, Inc. NAME OF OPERATOR

1. Well Gas Well Other

(Do not use this form for proposals to drill or deepen an existing well in a different location. Use Form G-31-C for such proposals.)

SUNDEY NOTICES AND REPORTS ON WELLS

DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
UNITED STATES

1. LEASE NO. 7-8802-	2. FEDERAL OR STATE LAND	3. COUNTY	4. STATE	5. WELL NO.	6. WELL DEPTH	7. UNIT ABANDONED	8. DATE OF ABANDONMENT	9. FIELD OR AREA	10. FIELD OR AREA	11. SECTION	12. TOWNSHIP	13. RANGE
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GPO: 1976 O - 214-149

Suite 600
5613 DTC Parkway
Englewood, Colorado 80111
Telephone (303) 850-9090
Dex (303) 850-9110
Twx (910) 931-2507

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JAN 20 1987

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DIVISION OF
OIL, GAS & MINING



BHP
Petroleum
(Americas) Inc

January 15, 1987

State of Utah Natural Resources
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203

RE: Change of Address & Name

Gentlemen:

BHP Petroleum (Americas) Inc. acquired Energy Reserves Group Inc. and Monsanto Oil Company. Please forward all hearing notices, correspondence and etc. to:

BHP Petroleum (Americas) Inc.
5613 DTC Parkway, Ste. 600
Englewood, Colorado 80111

Very truly yours,

BHP PETROLEUM (AMERICAS) INC.

Geraldine Bergamo

Geraldine Bergamo
Production Secretary