

# ARCHEOLOGICAL - ENVIRONMENTAL RESEARCH CORPORATION

July 10, 1978

ADDENDUM to BP-78-1 - An Archeological Survey of a  
Proposed Drill Station in the Cisco, Danish Flat  
locality of Grand County, Utah

Please note approved changes in the access road as  
demonstrated on attached map.

F. R. Hauck, Ph.D.  
President

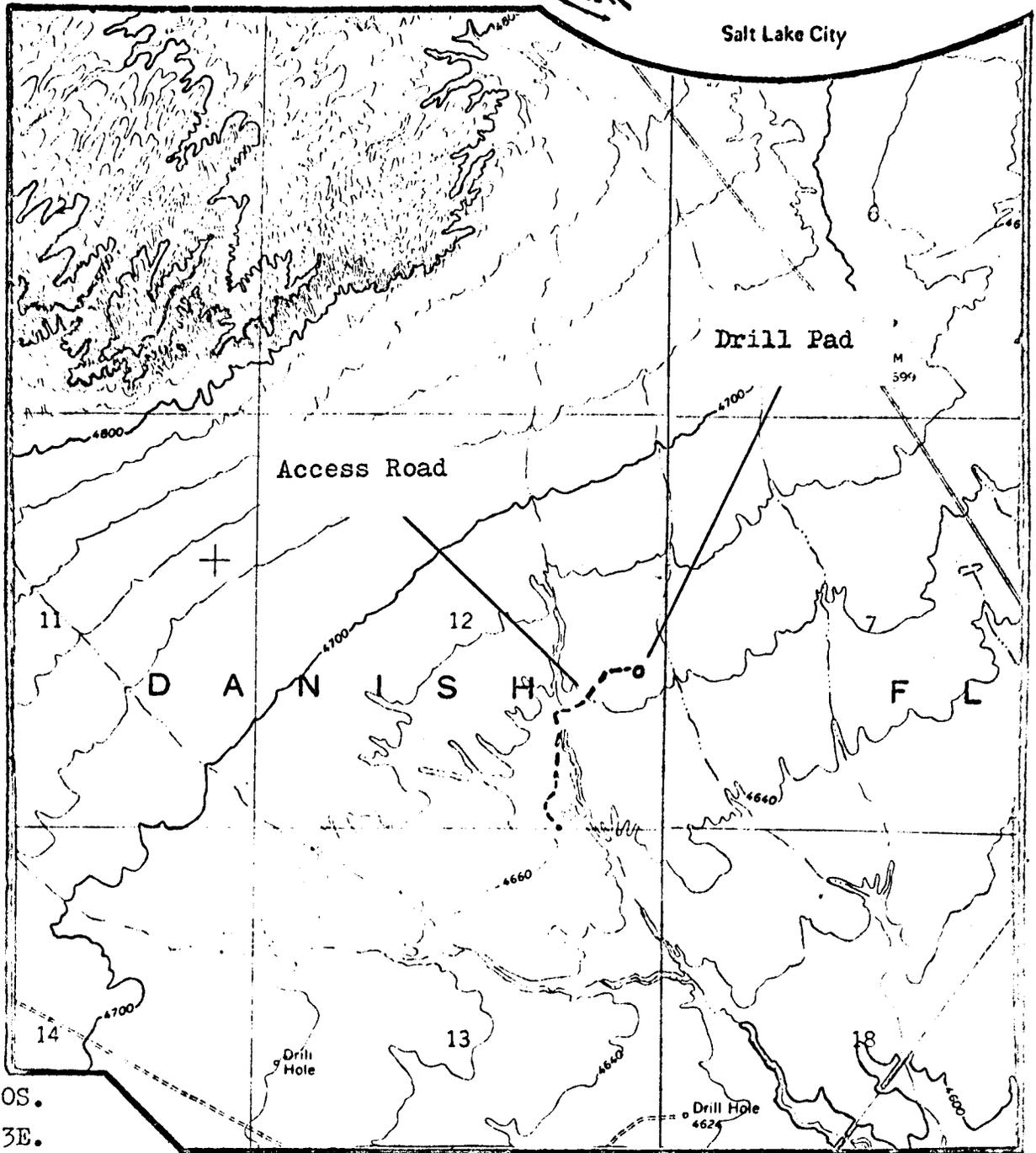
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ARCHEOLOGICAL-ENVIRONMENTAL  
RESEARCH CORPORATION

Salt Lake City



T. 20S.

R. 23E.

Moridian: Salt Lake B and M

Quad:

**Project:** BP-78-1  
**Series:** East Central  
Utah  
**Date:** 6/30/78

DRILL PAD AND ACCESS ROAD  
IN THE  
DANISH FLAT LOCALITY  
OF  
GRAND COUNTY, UTAH

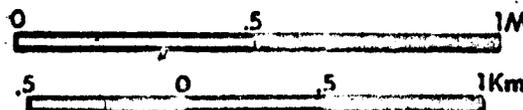
Danish Flat  
7.5' Series



Legend:

Access Road ---

Proposed Drill Pad ●



Scale

UNITED STATES DEPARTMENT OF THE INTERIOR GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1A. TYPE OF WORK DRILL [X] DEEPEN [ ] PLUG BACK [ ]

B. TYPE OF WELL OIL WELL [ ] GAS WELL [X] OTHER [ ] SINGLE ZONE [ ] MULTIPLE ZONE [ ]

2. NAME OF OPERATOR Boardwalk Petroleum Inc.

3. ADDRESS OF OPERATOR 115 South Main Street, P.F.S. Bldg Ste 403, Salt Lake City UT 84111

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.\*) At surface 330' FEL and 1980' FSL of Section 12 At proposed prod. zone T 20 S, R 23 E SLB & M

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\* 12 Miles to Cisco, Utah and 55 Miles to Grand Junction Colorado

15. DISTANCE FROM PROPOSED\* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 330'

16. NO. OF ACRES IN LEASE 80

17. NO. OF ACRES ASSIGNED TO THIS WELL 10

18. DISTANCE FROM PROPOSED LOCATION\* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 2640'

19. PROPOSED DEPTH 2300'

20. ROTARY OR CABLE TOOLS Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.) Ground Elevation 4663'

22. APPROX. DATE WORK WILL START\* August 1, 1978

5. LEASE DESIGNATION AND SERIAL NO. U-7629-E
6. IF INDIAN, ALLOTTEE OR TRIBE NAME N/A
7. UNIT AGREEMENT NAME N/A
8. FARM OR LEASE NAME Boardwalk Petroleum Inc.
9. WELL NO. Boardwalk Petroleum Madman #1
10. FIELD AND POOL, OR WILDCAT Cisco Springs
11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec 12, T 20 S, R 23 E
12. COUNTY OR PARISH Grand
13. STATE Utah

23. PROPOSED CASING AND CEMENTING PROGRAM

Table with 5 columns: SIZE OF HOLE, SIZE OF CASING, WEIGHT PER FOOT, SETTING DEPTH, QUANTITY OF CEMENT. Rows show 8 3/4" hole with 7" casing (21 lbs/ft, 150' depth, 30 Sacks) and 6 1/4" hole with 4 1/2" casing (9.5 lbs/ft, 2000' depth, 30 Sacks).

Well will be drilled to test Entrada sand formation for oil and gas. All shows encountered will be tested.

Blow out equipment to be used:

- 1. Rigan BOP 3000 psi (HYP closing unit) tested to 1000 psi after cement job on surface pipe.
2. Jacob's rotating head above BOP
3. Full shut of gate, valve on well and exhaust line.

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

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.

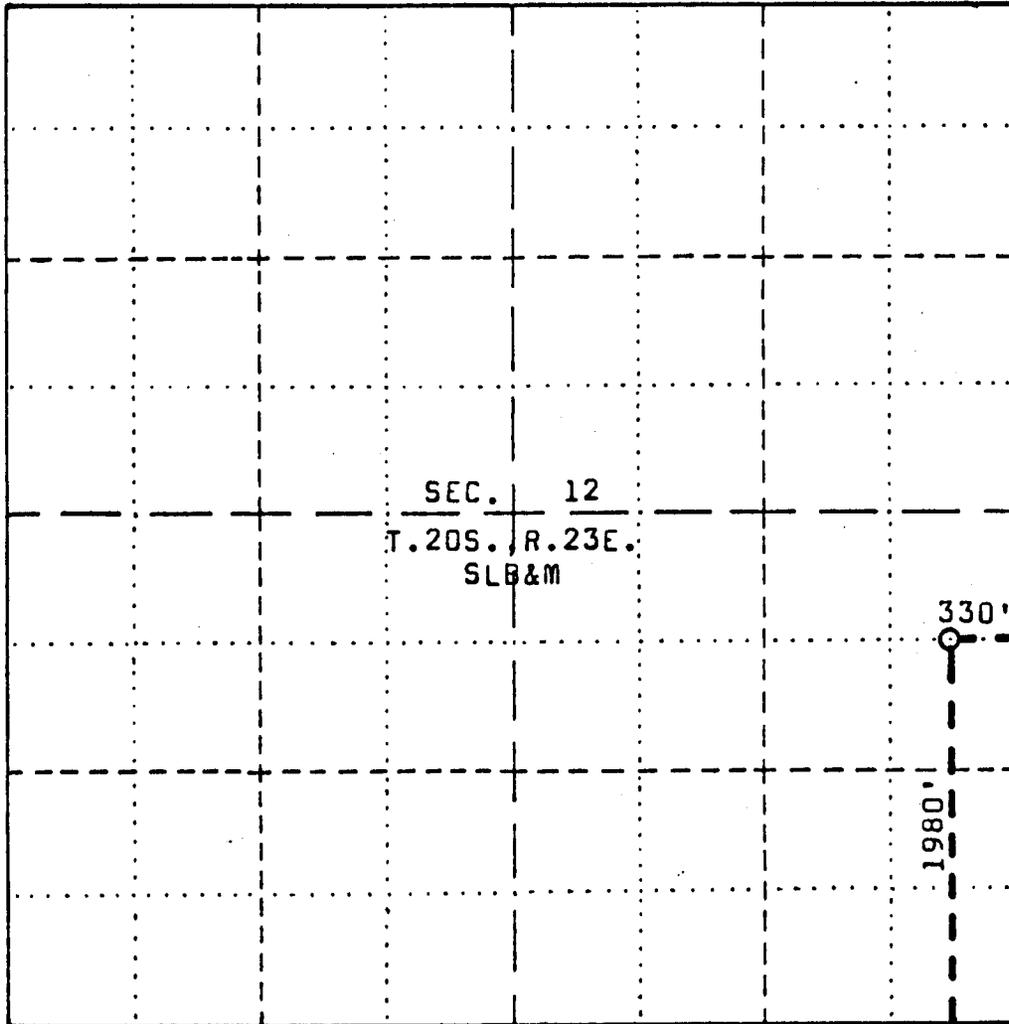
24. Boardwalk Petroleum Inc.
SIGNED: [Signature] TITLE Operator DATE July 10, 1978

(This space for Federal or State office use)

PERMIT NO. APPROVAL DATE

APPROVED BY Daniel J. Newquist ACTING DISTRICT ENGINEER DATE

CONDITIONS OF APPROVAL, IF ANY:



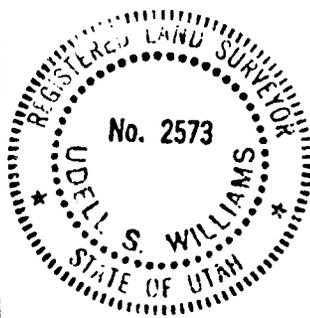
SCALE: 1" = 1000'

**BOARDWALK PETROLEUM  
MAD MAN NO. 1**

Located 1980 North from the South boundary and 330 West from the East boundary of Section 12, T.20S., R.23E., SLB&M.

Elev. 4663

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

*[Signature]*  
UTAH R.L.S. NO. 2573



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

PLAT OF  
PROPOSED LOCATION  
**BOARDWALK PETROLEUM  
MAD MAN NO. 1  
SEC. 12, T20S, R23E, SLB&M**

SURVEYED BY: USW DATE: 7/3/78  
DRAWN BY: USW DATE: 7/3/78

U. S. GEOLOGICAL SURVEY - CONSERVATION DIVISION

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

ADDRESS: DISTRICT ENGINEER, O&G, SALT LAKE CITY, UTAH

SUBJECT: APD MINERAL EVALUATION REPORT

LEASE NO. U-7629-E

OPERATOR: BOARDWALK PETROLEUM

WELL NO. MADMAN #1

LOCATION: 1/4 NE 1/4 SE 1/4 sec. 12, T. 20S., R. 23E., SLM

GRAND County, UTAH

Stratigraphy: OPERATOR ESTIMATE OF TOPS IS REASONABLE

Fresh Water: WRD REPORTS SAND LENSES IN THE UPPER MANOS AT DEPTHS  
500' MAY CONTAIN USABLE WATER.

Leasable Minerals: PROSPECTIVELY VALUABLE FOR COAL IN THE DAKOTA FM. COAL IS  
LIKELY TO BE THIN, LENTICULAR AND SUBECONOMIC.

Additional Logs Needed: APPLICANT DOES NOT SPECIFY LOGGING PROGRAM. ADEQUATE  
LOGGING IS REQUIRED TO IDENTIFY DAKOTA COALS. ANY COMBINATION  
OF SOME, RESISTIVITY, DENSITY, ETC.

Potential Geologic Hazards: None EXPECTED.

References and Remarks: USGS BULL 852.  
WITHIN 1 MI. OF CISCO SPRINGS KGS

Multipoint Requirements to accompany A.P.D.

1. Existing Roads

- A. Proposed well site as stakes--see map.
- B. Route and distance from nearest town or locatable reference point to where well access route leave main road. East exit from Cisco Bookcliff Exit 1-70--11 miles due north toward Bookcliff on main Cisco Spring road.
- C. Access road (s) to location color coded or labeled--red lines.
- D. If exploratory well--all existing roads within 3 miles (including type of surface, conditions, etc.) see map--type of surface--flat desert land, very little growth, low growth.
- E. If development well, all existing roads within a one-mile radius of well site--see map.
- F. Plans for improvement and/or maintenance of existing roads--main road is improved and maintained by Grand County. New road from existing road to each, will be bladed out 12 ft. path-like road. Land is weed-like in growth and very little contour problems, two small washes.

2. Planned Access Roads

- 1. Width---12 ft. blade out on flat land
- 2. Maximum grades--flat level land
- 3. Turn out--turn out from main road to existing auxiliary road to planned access road--see red lines on map.
- 4. Drainage Design--small barpits on each side for easy drainage.
- 5. Location of culverts and brief description of any major cuts and fills. No culverts needed or wanted in this area. Major cuts--none.
- 6. Surfacing Material--None needed. Land will be disturbed little. No foreign material needed or necessary.
- 7. Necessary gates, cattleguards, or fence cuts--none needed, no fences, etc.
- 8. New or Reconstructed Roads--see red line on map. Approximately 3/4 of a mile off road needed from existing auxiliary road north east to point of location.

3. Location of Existing Wells

See detail map.

Section 10. 15, 14 and 13 all have producing gas or oil wells. Wells, however, in radius of one-mile are only two--tres. fed, oil, Section 11; three states 1 cullen gout, Section 15, gas.

Within two miles:

Section 10 Moore 2 ussmelt--gas  
 Moore 4 v v Ind.--gas  
 Pease 6 Cisco Spring--gas  
 Pease 1 Cisco Spring--gas and oil  
 Section 11 Boardwalk Levon #1-gas, shut-in  
 Section 14 Pease 9 Cisco Spring--gas  
 Pease 4 Cisco Spring--oil  
 Pease 12--gas and oil  
 Boardwalk Browndirt #1-gas shut-in

Section 13 Crest 13-1--gas

Thomas 2--gas

Thomas 8--gas

We plan oil or gas in the entrada.

4. Location of Existing and/or Proposed Facilities

A.

1. Tank Batteries--none if production
2. Production Facilities--none
3. Oil Gathering Line--none--only tank at location if oil production hit.
4. Gas Gathering Lines--Northwest Pipe Line--east west direction on section line of west section line of Section 11 and 12.
5. Injection Lines--none
6. Disposal lines--none

B.

If new facilities are contemplated, in the event of production show: We will bring in tank batteries if oil and use Northwest Pipe, if gas. Size of tank will depend on production. Protection of livestock and wildlife will be fenced if BLM advises.

C.

Plan for rehabilitation of disturbed areas--re-seed as required by BLM.

5. Location and Type of Water Supply

- A. Show location or description--Cisco Springs north of location. North on main Cisco Spring Road--approx. 6 miles.
- B. State method of transporting water--water tank truck.
- C. No water well planned or needed.

6. Source of Construction Materials

None used or needed--this is flat desert land on mancus shale formations. In this area the best method of road construction is to blade road lightly--water--pack down, when ground is disturbed a great deal the road is poor and not easy to travel, but when lightly bladed with barpits to each side for easy drainage, no additional material is needed.

7. Methods for Handling Waste Disposal

1. Cutting--waste pits as shown on detail or drill site.
2. Drilling Fluids--pits
3. Produced fluids (oil and water) tanks and pits.
4. Sewage--self-contained trailer
5. Garbage--trash pits fenced with small mesh wire to prevent wind scattering trash before being trucked away, burning or buried.
5. We will clean area with proper methods when rig moves out.

8. Auxiliary Facilities

None other than trailer and dog house

9. Well Site Layout

See detail draining diagram

1. Cross section of drill pad with cuts and fills 200' x 200'.
2. Mudtanks, reserve, burn and trash pits, etc. See drawing.
3. Rig Location--drawing.
4. Pits are to be unlined. We will work with field representative from USGS or BLM for any additional needs.

10. Plans for Restoration of Surface

1. Back filling leveling, etc.--we will back fill and level to contour of land before drilling.
2. Re-vegetation and rehabilitation--will re-seed as directed by BLM.
3. Pits etc.--releveled as directed and restored.
4. Remove all oil.
5. Time Table--as needed--will be restored if well produces, we will install needed facilities and then restore. Dry well will be restored and dry hole marker in good time and order.

11. Other Information

1. Topography--see top. maps
2. Other surface use--none
3. Water--approx. 6 miles north

12. Lessee's or Operator's Representatives

BOARDWALK PETROLEUM INC.  
115 South Main Street #403  
Salt Lake City, Utah 84111  
532-6640  
Tony Cox-Kerry Miller

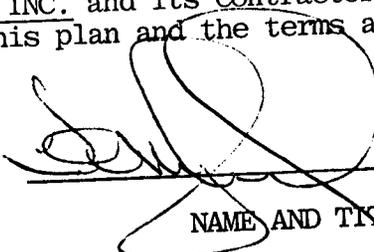
13. Certification

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 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 BOARDWALK PETROLEUM, INC. and its contractors and sub-contractors in conformity with this plan and the terms and conditions under which it is approved.

7-10-70

date

  
\_\_\_\_\_  
NAME AND TITLE

BOARDWALK PETROLEUM MADMAN #1

1. The geologic name of the surface formation:  
--Mancus shale  
--land is desert, flat area, just 12 miles from Cisco, Utah.

2. Estimated tops of important geologic markers:

Mancus	0-1500	Approximate	Estimate
Dakota	1500-1700	"	"
Morrison	1700-1900	"	"
Salt Wash	1900-2300	"	"

3. Estimated depths at which anticipated water, oil, and gas

Water----don't expect  
Oil-----salt wash  
Gas-----entrada

Formation of gas in the entrada is our goal.

4. The proposed casing program, including the size, grade and weight--per foot of each string and whether new or used

--surface casing will be 150' 7" or 7 5/8"  
--weight 24# or 28# and 55 new

5. The lessee's or operator's minimum specification for pressure control equipment which is to be used, a schematic or (ADI series) the testing procedures and testing frequency.

Operator will use 7 5/8" good PSI spool with regan torus B.O.P. above spool. A 7 5/8 3000 PSI spool will be used above B.O.P. A rotating head will be used above the flow line spool. The B.O.P. is bag type, 600 series regan torus of 7 1/16" I.D.

6. The type and characteristics of the proposed circulating medium or mediums to be explored for rotary drilling and quantities and type of mud and weighting material to be maintained.

Operator plans to drill with air as far as possible. Water base drilling fluid will be used in event formation water is encountered and to control or kill oil or gas flows when running long string. 4 1/2" 10.5 lb casing--mud invert polymer type bil-degradable. Mud 8.2 lb per gal. Weight and mud to 10 lb per gal. if required will be provided. The addition of potassium (KCL) chloride D n chemical added as required.

7. The auxiliary equipment to be used:

1. Kelly Cocks--Demic
2. Floats at the bits--yes and string
3. Monitoring equipment on mud system--none
4. A sub on the floor with a full opening valve to be stabbed into drill pipe when kelly is not in the string. Sub on floor with a full opening valve. The fill, kill and choke lines will be attached to well head below B.O.P. Also auxiliary equipment to be used.

4. 6000 # shut off valve on stand pipe

- b. One float at bit and two string floats
- c. Sub 3 1/2" I.F. to 2" valve for controlling blowouts for use when making round trips in event of well blowouts.

- 8. The testing, logging and coring programs to be followed with provision made for required flexibility--black light testing of hydrocarbons, also logging by electric log to test formation after hole drilled.
- 9. Any anticipation of abnormal pressures or temperatures expected to be followed with provisions made for required flexibility.  
The maximum bottom hole pressure anticipated for BOARDWALK PETROLEUM MADMAN #1 is 800 P.S.I. flexibility provisions with B.O.P.
- 10. The anticipated starting date and duration the operating  
Plan drilling as soon as approval of application--

USUAL ENVIRONMENTAL ANALYSIS

OPERATOR Boardwalk Petroleum, Inc.

WELL NAME AND NUMBER Madman # 1

SECTION 12 T 20 S R 23 E , S.L. PM

LOCATION NE SE 1/4, 330' FE L & 1980' FS L

COUNTY Grand STATE Utah

FIELD Cisco Springs UNIT N.A.

WELL TYPE Development LEASE NUMBER U-7629-E

DATE INSPECTED July 19, 1978

INSPECTOR George Diwachak

TITLE Environmental Scientist

PREPARED BY George Diwachak 7/21/78

ENVIRONMENTAL SCIENTIST DATE

SALT LAKE CITY DISTRICT

OTHER AGENCIES OR REPRESENTATIVE CONCURRENCE:

<u>Bob Kershaw-BLM</u>	<u>Yes</u>
<u>- Book Mountain (06-01) Unit Resource Anaylsis</u>	
<u>BLM, Utah</u>	

MAJOR FEDERAL ACTION UNDER NEPA No

*Reviewed by -*

The following participated in a joint inspection of the proposed well-site and access road on July 19, 1978.

<u>NAME:</u>	<u>REPRESENTING:</u>	<u>TITLE:</u>	<u>STATIONED IN:</u>
George Diwachak	USGS	Env. Scient.	Salt Lake City, Ut.
Bob Kershaw	BLM		
Newt Burkhalter	Boardwalk Pet.		

Proposed Action:

On July 10, 1978, Boardwalk Petroleum, Inc. filed an Application for Permit to Drill the No. Madman # 1 development well, a 2,640 foot gas test of the Entrada formation, located at an elevation of 4680 feet in the Cisco Springs field on Federal mineral lands and public surface, lease no. U-7629-E. There was no objection raised to the wellsite. As an objection was raised to the access road, it was changed. See map attached for new 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 Sub-surface and 13-Point Surface Protection Plans are on file in the USGS District Office in Salt Lake City, Utah and the USGS Northern Rocky Mountain Area Office in Casper, Wyoming. A period of 30 to 90 days is normally necessary to complete a well for production if hydrocarbons are discovered.

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. Written concurrence of the surface managing agency is attached.

The operator proposes to construct a drill pad 150 ft. wide X 200 ft. and a reserve pit 20 ft. X 40 ft. A new access road will be constructed 12 ft. wide X 0.4 miles long. The operator proposes to construct production facilities on disturbed areas of the proposed drill pad. If production is established, plans for a gas flow line will be submitted to the appropriate agencies for approval. The anticipated starting date is when approved and duration of drilling activities would be about 6 days.

Location and Natural Setting:

The proposed drillsite is approximately 12 miles northeast of Cisco, Utah, the nearest town. A fair road runs to within 1.6 miles of the location. This well is in the Cisco Springs field.

### Topography:

The topography of the lease area is flat and desert-like.

### Geology:

The surface geology is Mancos Shale. The soil is sandy loam. 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 will 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 into 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.

A geologic review of the proposed action has been furnished by the Area Geologist, USGS, 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 low runoff potential and sediment production would be moderate. The soils are mildly to moderately alkaline and support the salt-desert shrub community.

Top soil would be removed from the surface and stockpile. 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 2 acres of land would be stripped of vegetation. This would

increase the erosional potential. Although the erosion potential of the disturbed land would increase, the effects would be minimal due to the flat topography.

#### 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 gas 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:

The majority of the watercourses in the region are ephemeral. Drainage from the lease area is towards Danish Wash which flows in a southerly direction towards 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 a minor impact on the surface water systems.

The potentials of 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 communications, contamination and commingling 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 basis 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 formation 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:

The vegetation of the lease area consists of sagebrush, saltbush and native range grasses.

The proposed action would remove about 2 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 predominately of the mule deer, coyotes, rabbits, 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.

### 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, and 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 visible from a major road. After drilling operations, completion equipment would be visible to passersby of the area but would not present a major intrusion.

The economic effect of one well would be difficult to determine. The overall effect of oil and gas drilling and production activity are significant in Grand County. But should this well discover a significant new hydrocarbon source, local, state, and possibly national economies might be improved. In this instance, other development wells would be anticipated, with substantially greater environmental and economic impact.

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.

#### Land Use:

The area is used for wildlife and winter stock grazing.

There are no national, state, or local parks, forest, wildlife refuges or ranges, grasslands, monuments, trails, 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 included 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 reserve pits would contain all fluids used during the drilling operations. Misting of the Blooie line will be required for dust suppression. 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.

### Alternatives 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. Under a mutual agreement, at the onsite inspection, the operator has agreed to change the access road to a more agreeable location, eliminating major construction, low water drainage crossings, and vegetation disturbances. The new road will follow an existing pipeline route to a point .4 miles south of the proposed drill site. See attached map for a description of the new road.

### Adverse Environmental Effects Which Cannot be Avoided:

Surface disturbance and removal of vegetation from approximately 1.5 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, 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

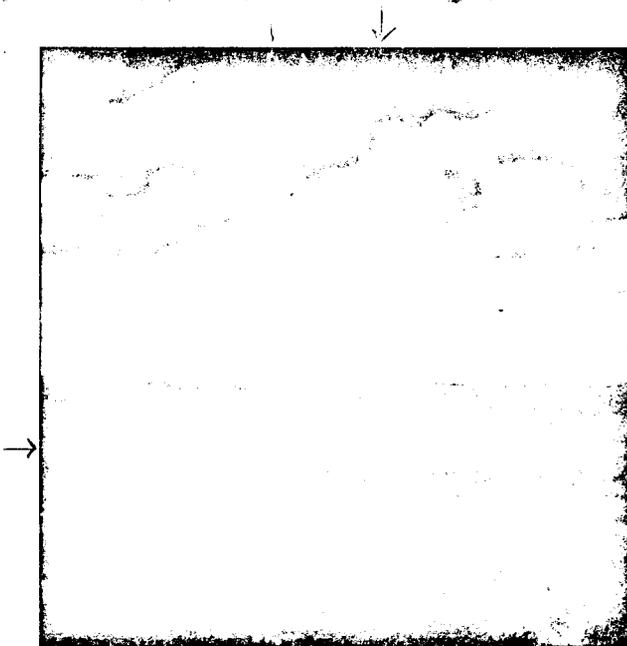
commitment of resources would be made. Erosion from the site would eventually be carried as sediment in the Colorado River. The potential for pollution to Danish Wash would exist through leaks and spills.

Determination:

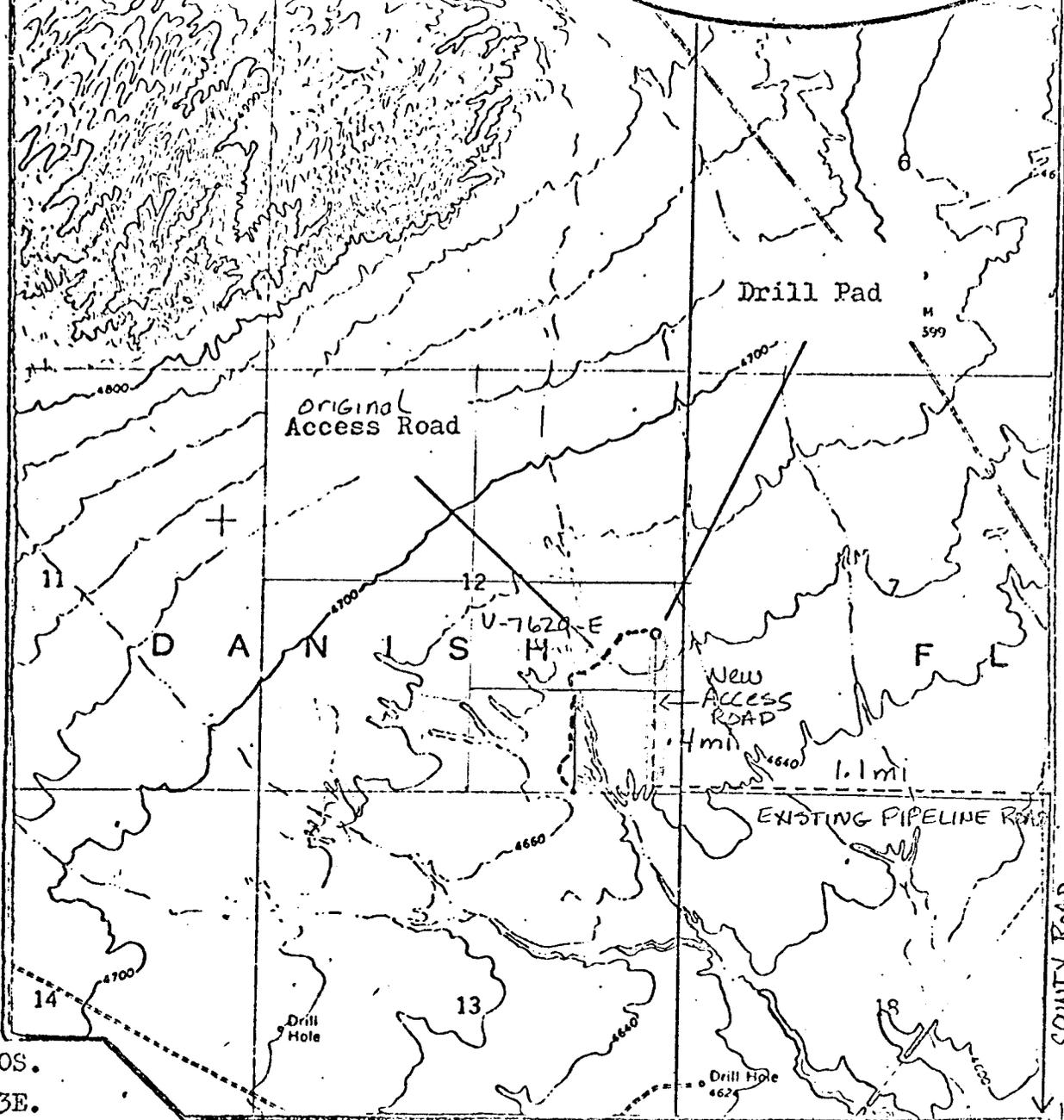
This requested action does not constitute a major Federal action significantly affecting the environment in the sense of NEPA, Sec. 102 (2)(C).

*Adm* Frank J. Boyd September 15, 1978  
District Engineer Date

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



U-7629-E Boardwalk Pet. Inc.  
7/19/78 madman #1 N



T. 20S.  
R. 23E.

Moridion: Salt Lake B and M

Quad:

Project: BP-78-1  
Series: East Central  
Utah  
Date: 6/30/78

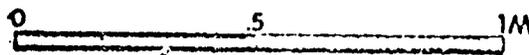
DRILL PAD AND ACCESS ROAD  
IN THE  
DANISH FLAT LOCALITY  
OF  
GRAND COUNTY, UTAH

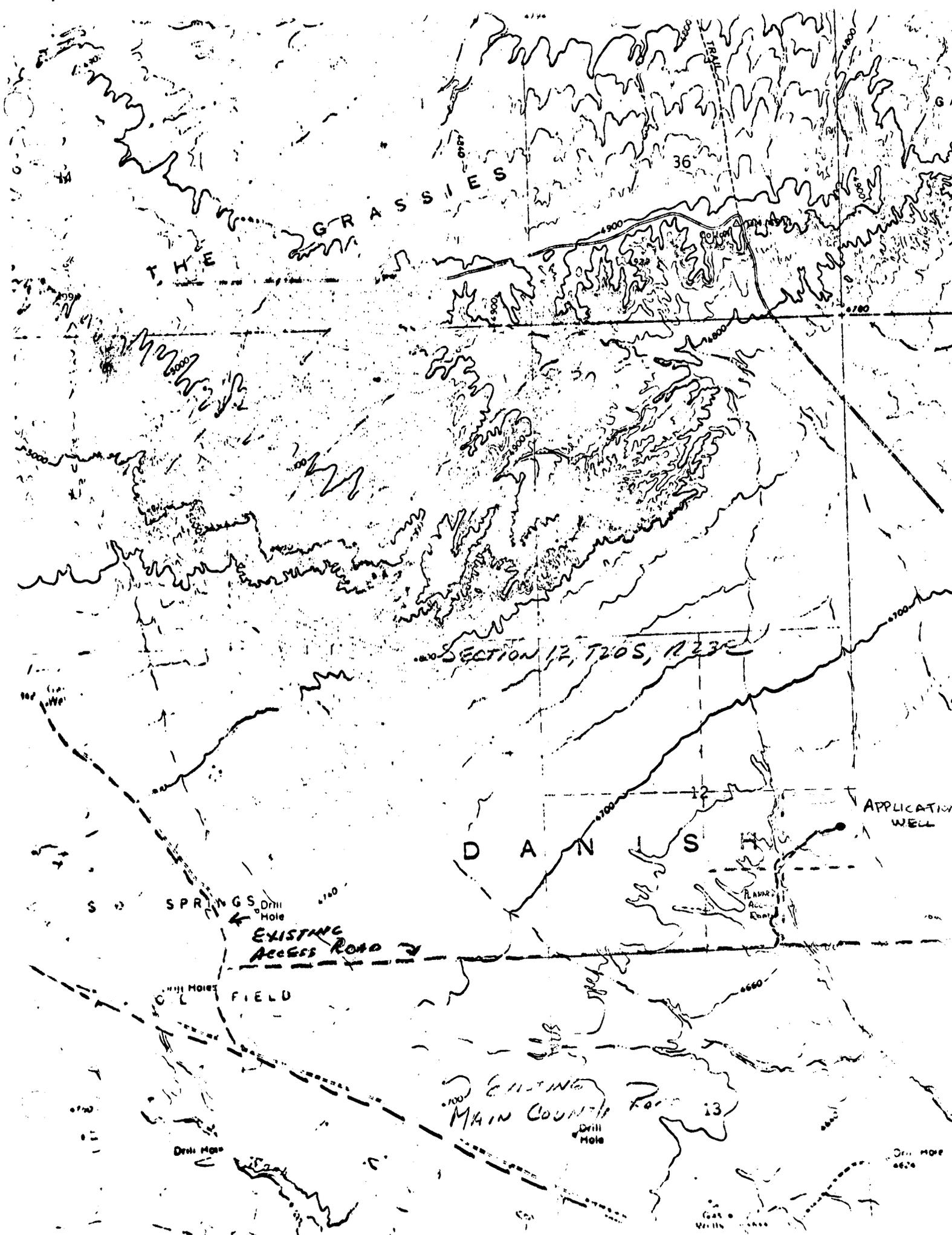
Danish Flat  
7.5' Series



Legend:

Access Road ---  
Proposed Drill Pad ○





THE GRASSIES

36

SECTION 12, T20S, R23E

DANISH

APPLICATION WELL

SPRINGS  
Drill Hole

EXISTING ACCESS ROAD

Drill Holes FIELD

EXISTING MAIN COUNCIL ROAD

13

Drill Hole

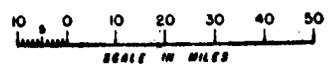
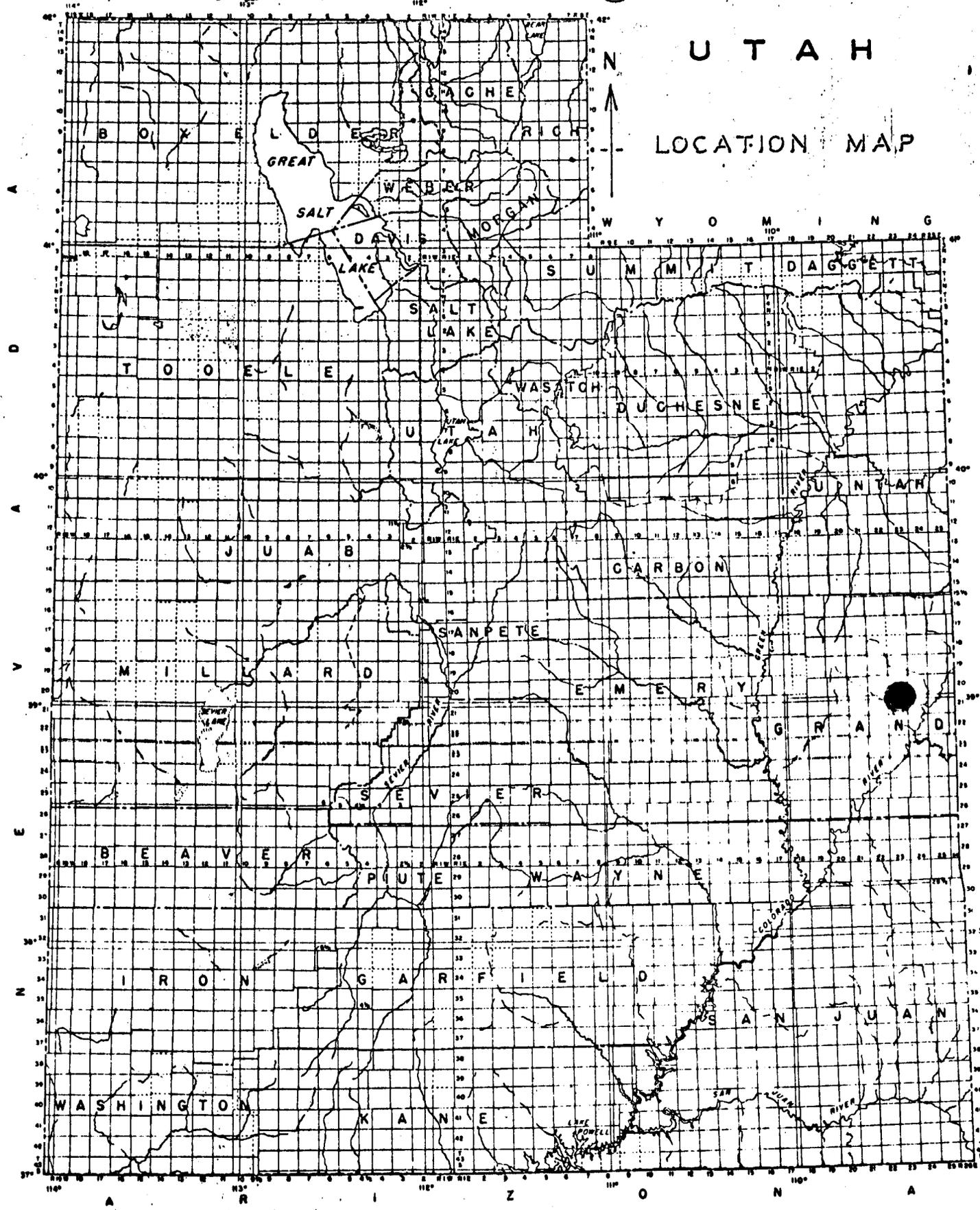
Drill Hole

Drill Hole

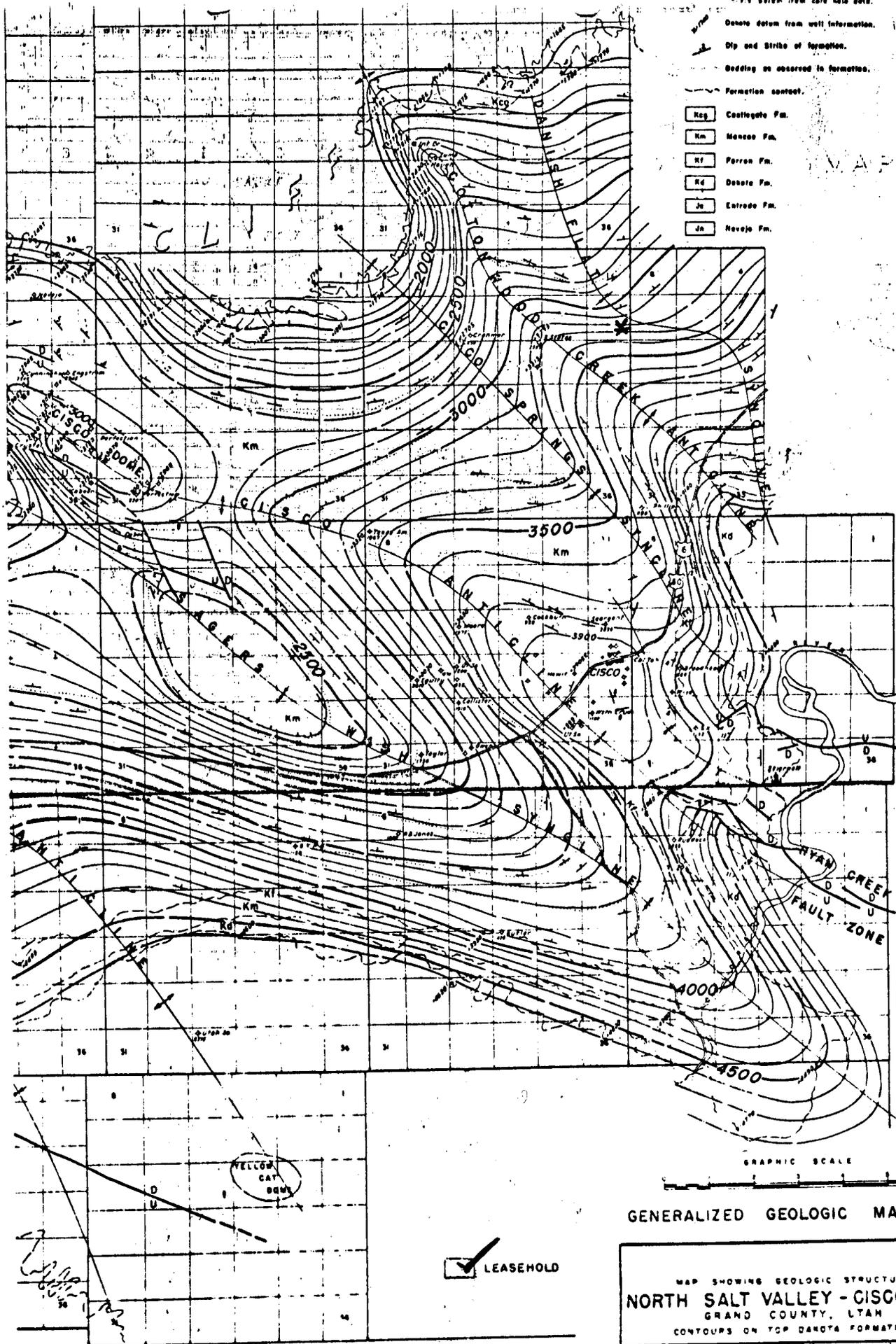
Gas Well

# UTAH

## LOCATION MAP



ROBERT E LAUTH  
GEOLOGIST  
DURANGO, COLORADO



- Datum from core hole data.
- Datum from well information.
- Dip and Strike of formation.
- Bedding as observed in formation.
- Formation contact.

Kcg	Castlegate Fm.
Km	Meneco Fm.
Kf	Ferron Fm.
Kd	Denote Fm.
Je	Entrada Fm.
Jn	Navajo Fm.

**GENERALIZED GEOLOGIC MAP**

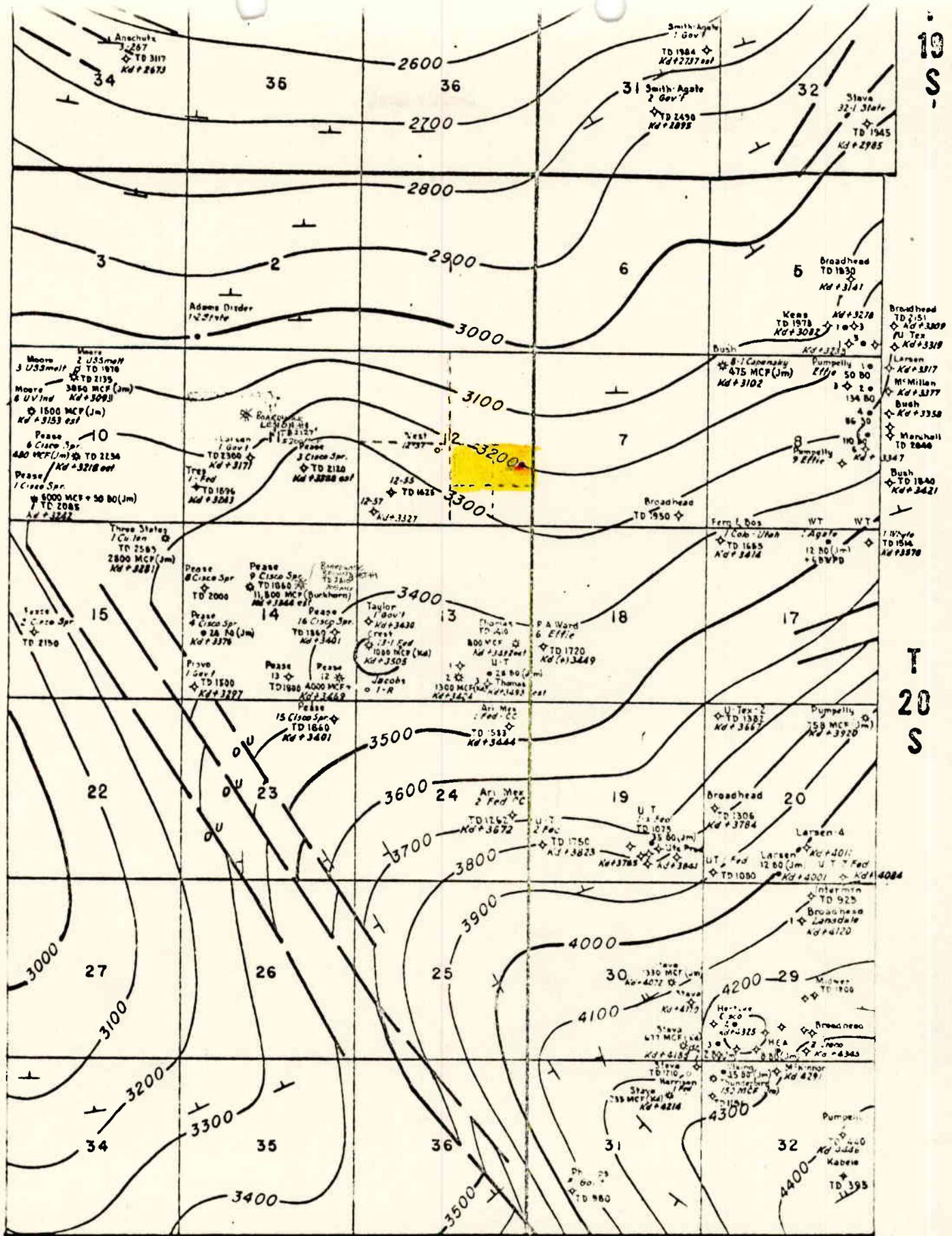
MAP SHOWING GEOLOGIC STRUCTURE  
**NORTH SALT VALLEY - CISCO AREA**  
 GRAND COUNTY, UTAH  
 CONTOURS ON TOP DENOTE FORMATION

SCALE	SECTION	DATE	REVISED
GRAPHIC	P. Y. NELSON	6-1-58	

R22E

LEASEHOLD

T 20 S  
T 21 S  
T 22 S



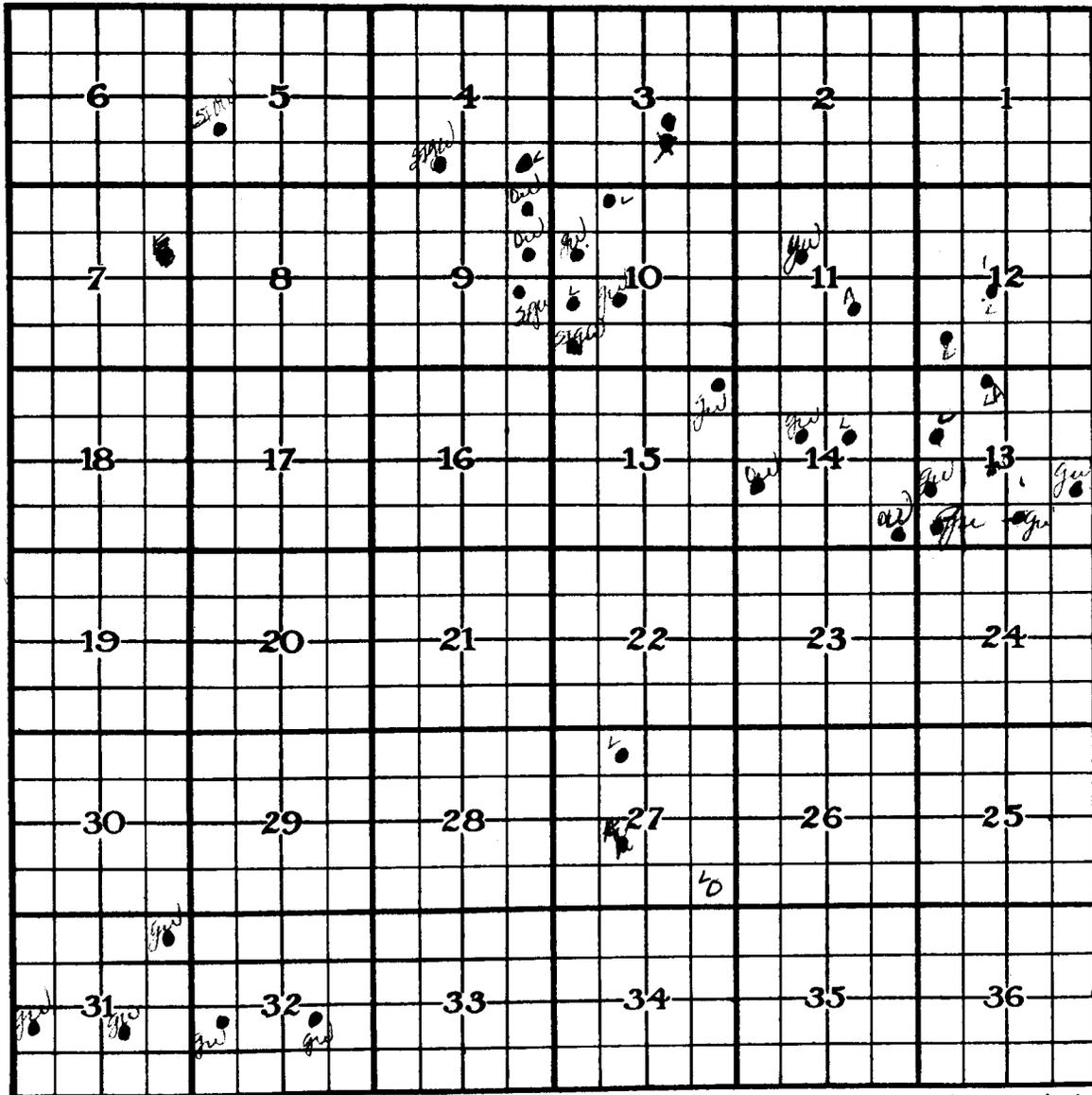
AGATE, CISCO SPRINGS AREA  
 GRAND CO., UTAH  
 SCALE 1" = 4000'

STRUCTURE MAP  
 TOP OF DAKOTA SS.  
 CONTOUR INTERVAL 100 FEET

REL  
 7-77

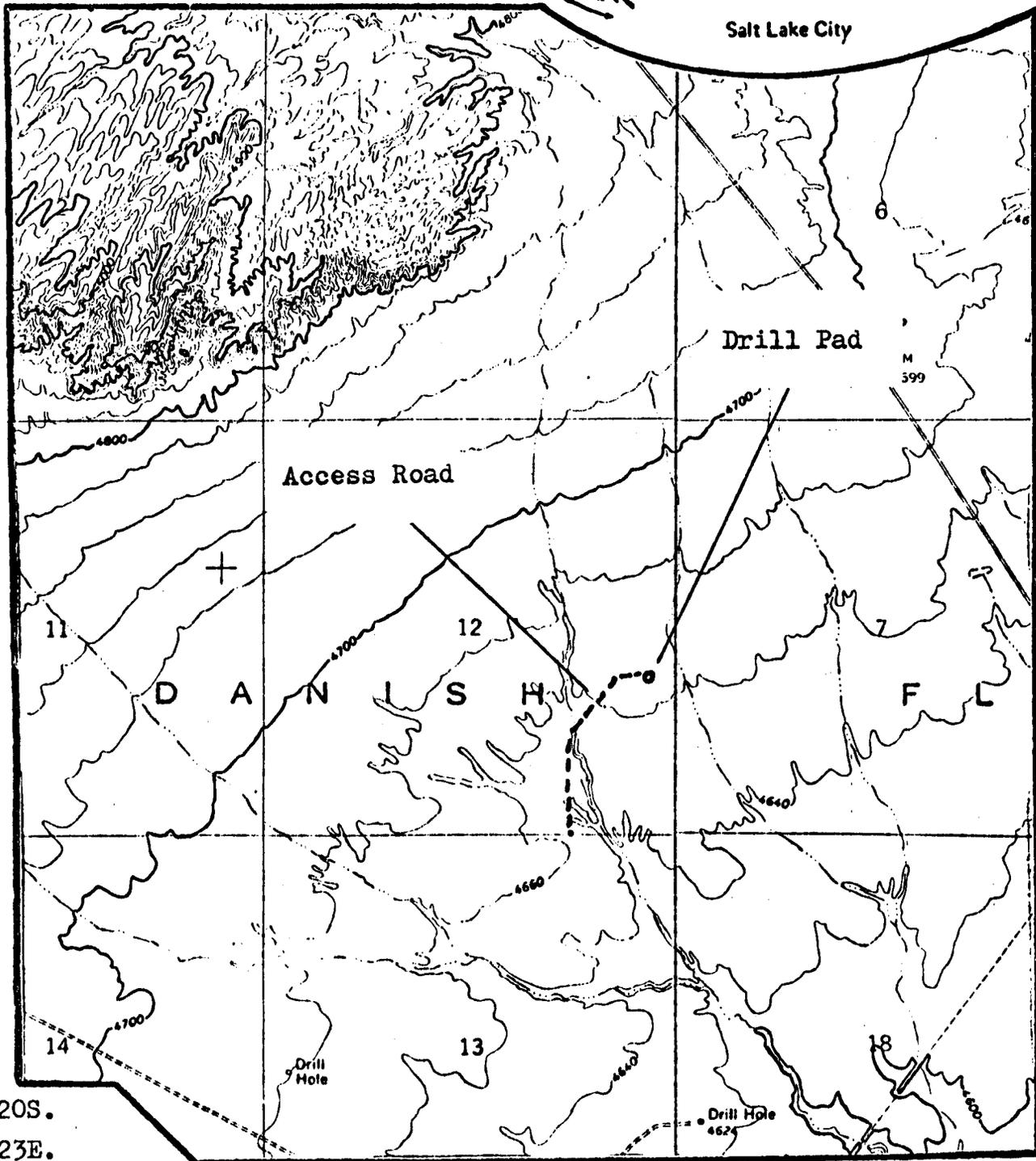
County Grand State Utah Meridian SLBM

Township No. 20 South Range No. 23 East



Scale, 80 chains to an inch

Salt Lake City



T. 20S.  
R. 23E.

Meridian: Salt Lake B and M

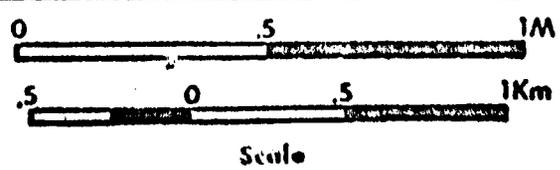
Quad:

Project: BP-78-1  
Series: East Central Utah  
Date: 6/30/78

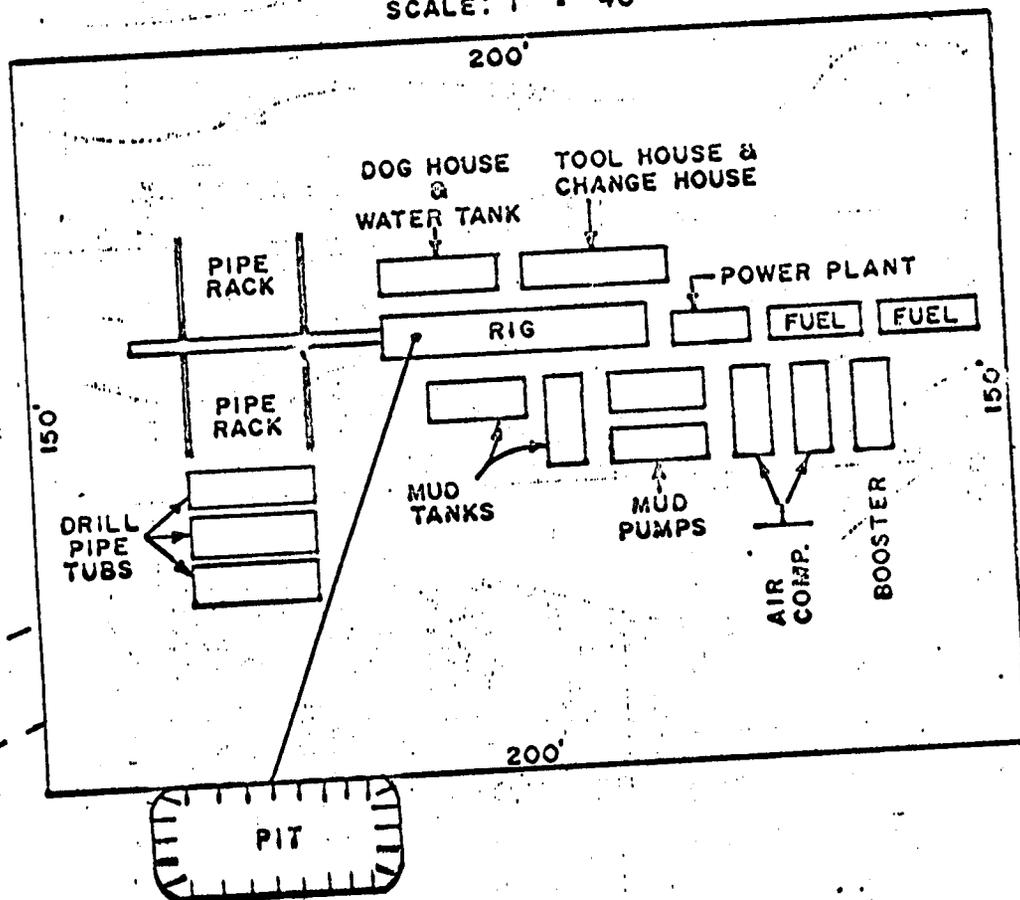
DRILL PAD AND ACCESS ROAD  
IN THE  
DANISH FLAT LOCALITY  
OF  
GRAND COUNTY, UTAH

Danish Flat  
7.5' Series

Legend:  
Access Road ---  
Proposed Drill Pad ●



SCALE: 1" = 40'





# ARCHEOLOGICAL - ENVIRONMENTAL RESEARCH CORPORATION

P.O. Box 17544 - Salt Lake City, Utah 84117

Tel.: (801) 582-0313

June 30, 1978

**Subject:** An Archeological Survey of a Proposed  
Drill Station in the Cisco, Danish Flat  
locality of Grand County, Utah

**Project:** Boardwalk Petroleum -1978 Drilling  
Project in Grand County, Utah

**Project No.:** BP-78-1

**Permit No.:** 78-Ut-014

**To:** Mr. Kerry Miller, Boardwalk Petroleum,  
115 South Main Street, Suite 403,  
Salt Lake City, Utah 84111

Mr. Gene Day, BLM District Manager,  
P.O. Box 970, Moab, Utah 84532

Mr. Bruce Louthan, District Archeologist,  
Bureau of Land Management, P. O. Box 970,  
Moab, Utah 84532

**Info:** Mr. Richard Fike, BLM Archeologist,  
Bureau of Land Management, University  
Club Bldg., 136 East South Temple,  
Salt Lake City, Utah 84111

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT  
Moab District Office

Summary Report of  
Inspection for Cultural Resources

BLM Use only: Use initials.  
Case File No.

Report Acceptable Yes \_\_\_ No \_\_\_

Mitigation Acceptable Yes \_\_\_ No \_\_\_

Comments: \_\_\_\_\_

1. Project Name, Developer Access Road and Drill Site Evaluation in the  
Boardwalk Petroleum Cisco, Danish Flat locality of Grand County, Utah  
(BP-78-1)

2. Legal Description of Project Area (Attach Map Also)

Township 20 South, Range 23 East, Section 12

3. Institution Holding Antiquities

NA. No antiquities collected

4. Antiquities Permit No.

78-Ut-014

5. Dates of Field Work

June 23, 1978

6. Description of Examination Procedures

A transect was walked on either side of the  $\frac{1}{4}$  mile long access road and around the drill site area to a distance of approximately 20 meters.

7. Description of Findings (Attach forms or detailed report, if appropriate)

, cultural material was observed on the surface of the surveyed area.

8. Actual/Potential National Register Properties Affected

No actual or potential National Register Properties will be affected by this project.

9. Conclusions/Recommendations 1. All vehicular traffic, personnel movement, and construction be confined to the locations examined and to access roads leading into these locations; 2. all personnel refrain from collecting individual artifacts or from disturbing any cultural resources in the area; and 3. a qualified archeologist be consulted should cultural remains from subsurface deposits be exposed during construction work or if the need arises to relocate or otherwise alter the construction area.

10. Signature of Person in Direct Charge of Field Work

S.D. Hays (by JRH)

11. Signature of Title of Institutional Officer Responsible

JRH

STATE OF UTAH  
DIVISION OF OIL, GAS, AND MINING

\*\* FILE NOTATIONS \*\*

Date: Aug. 29, 1978  
Operator: Boardwalk Petroleum  
Well No: Federal - Madison #1  
Location: Sec. 12 T. 20S R. 23E County: Covand

File Prepared:  Entered on N.I.D.:   
Card Indexed:  Completion Sheet:   
API Number: 3-019-30464

CHECKED BY:

Administrative Assistant: [Signature]  
Remarks: OK - 2 Reg. - Sec. 12 - have not been drilled  
Petroleum Engineer: OK P5  
Remarks: 532-6640  
Director: 7  
Remarks:

INCLUDE WITHIN APPROVAL LETTER:

Bond Required:  Survey Plat Required:   
Order No. 162-5 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 1702-51 O.K. In \_\_\_\_\_ Unit  
Other:

Letter Written/Approved



SCOTT M. MATHESON  
Governor

OIL, GAS, AND MINING BOARD

GORDON E. HARMSTON  
*Executive Director,*  
NATURAL RESOURCES

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

September 11, 1978

I. DANIEL STEWART  
*Chairman*

CHARLES R. HENDERSON  
JOHN L. BELL  
THADIS W. BOX  
C. RAY JUVELIN

CLEON B. FEIGHT  
*Director*

Boardwalk Petroleum Co.  
115 South Main Street  
Suite 403  
Salt Lake City, Utah 84111

Re: Well No. Federal Madman #1  
Sec. 12, T. 20 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 Order issued in Cause No. 102-5.

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

PATRICK L. DRISCOLL - Chief Petroleum Engineer  
HOME: 582-7247  
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 43-019-30464.

Very truly yours,

DIVISION OF OIL, GAS, AND MINING

CLEON B. FEIGHT  
Director

cc: U.S. Geological Survey

December 12, 1978

MEMO TO FILE

Re: BOARDWALK PETROLEUM  
Well No. Federal Madman #1  
Sec. 12, T. 20S, R. 23E  
Grand County, Utah

This office has been informed that this well will be spudded sometime during the 15th of December.

Ross Jacobs is expected to be the prime contractor and their Rig #1 will be used.

PATRICK L. DRISCOLL  
CONSULTANT

PLD/lw  
cc: State Industrial Commission  
U.S. Geological Survey

December 28, 1978

MEMO TO FILE

Re: BOARDWALK PETROLEUM, INC.  
Well No. Federal Madman #1  
Sec. 12, T. 20S, R. 23E  
Grand County, Utah

The above well was spudded in on December 27, 1978 at 4:00 p.m.  
Carmack Drilling Company used their Rig # 25.

CLEON B. FEIGHT  
DIRECTOR

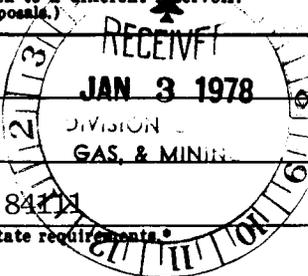
CBF/lw  
cc: State Industrial Commission  
U.S. Geological Survey

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS, AND MINING

SUBMIT IN TRIPPLICATE\*  
(Other instructions on reverse side)



<b>SUNDRY NOTICES AND REPORTS ON WELLS</b> (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.)		5. LEASE DESIGNATION AND SERIAL NO. U-7629-E
1. OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER		6. IF INDIAN, ALLOTTEE OR TRIBE NAME N/A
2. NAME OF OPERATOR Boardwalk Petroleum Inc.		7. UNIT AGREEMENT NAME N/A
3. ADDRESS OF OPERATOR 115 S. Main St., Ste. 420 Salt Lake City, Utah 84111		8. FARM OR LEASE NAME Boardwalk Petroleum Inc.
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface 330' FEL and 1980' FSL of Section 12 T 20 S R 23 E SLB&M.		9. WELL NO. Madman # 1 (Federal)
14. PERMIT NO.		10. FIELD AND POOL, OR WILDCAT Cisco Field
15. ELEVATIONS (Show whether DF, RT, GR, etc.) 4663' gr		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 12, T 20 S R 23 E
		12. COUNTY OR PARISH Grand
		13. STATE Utah



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 checked="" 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) <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.)\*

Change Surface Casing from (approved by D. J. Newquist A.D.E. in July, our returned copy was not dated)

8 3/4" Hole, 7" Casing @ 21 lbs. 150' with 30 sacks of cement

to

9 7/8" Hole, 8 5/8" Casing @ 24 lbs (J-55 new) 200' with 50 sacks of cement.

APPROVED BY THE DIVISION OF  
OIL, GAS, AND MINING  
DATE: June 16, 1979  
BY: M J Winder

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

SIGNED [Signature] TITLE Secretary/Treasurer DATE 1/2/79

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_

CONDITIONS OF APPROVAL, IF ANY:

January 3, 1979

MEMO TO FILE

Re: BOARDWALK PETROLEUM, INC.  
Federal Madman #1  
Sec. 12, T. 20S, R. 23E  
Grand County, Utah

This office was notified on the above date that Boardwalk Petroleum spudded their Madman #1, Sec. 12, T. 20S, R. 23E on January 1, 1979.

The drilling contractor will be Carmack Drilling Company.

PATRICK L. DRISCOLL  
CONSULTANT

PLD/lw  
cc: U.S. Geological Survey  
State Industrial Commission

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

SUBMIT IN TRIPPLICATE\*  
(Other instructions on re-  
verse side)

Form approved.  
Budget Bureau No. 42-R1424.

14.

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 WELL  GAS WELL  OTHER

2. NAME OF OPERATOR  
Boardwalk Petroleum Inc.

3. ADDRESS OF OPERATOR  
115 S. Main St. Ste. # 420 Salt Lake City, Utah 84111

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.\*  
See also space 17 below.)  
At surface 330' FEL and 1980' FSL of Section 12  
T. 20 S., R. 23 E. SLB & M

14. PERMIT NO.

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

4663' GR

5. LEASE DESIGNATION AND SERIAL NO.

U-7629-E

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

N/A

7. UNIT AGREEMENT NAME

N/A

8. FARM OR LEASE NAME

Boardwalk Petroleum Inc.

9. WELL NO.

Manman # 1 (Federal)

10. FIELD AND POOL, OR WILDCAT

Cicso Field

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

Sec. 12, T. 20 S., R. 23 E.

12. COUNTY OR PARISH

Grand

13. STATE

Utah

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 COMPLETS

FRACTURE TREATMENT

ALTERING CASING

SHOOT OR ACIDISE

ABANDON\*

SHOOTING OR ACIDISING

ABANDONMENT\*

REPAIR WELL

CHANGE PLANS

(Other) Spud-In

(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.)\*

Spud date is tonight, 1-30-79. Contractor is Carmack Drilling of Grand Junction, Colorado, Rig # 25.

Phone notice was given to Bill Martens of U.S.G.S. and Scheree' Wilcox of Utah State Division of Oil, Gas and Mining, This date.



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

SIGNED

*[Signature]*

TITLE

Secretary-Treasurer

DATE

1-30-79

(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

SUBMIT IN TRIP DATE\*  
(Other instructions on 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.)

**RECEIVED**  
**MAY 1 1979**  
DIVISION OF  
OIL, GAS, & MINING

<p>1. OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER</p> <p>2. NAME OF OPERATOR <b>Boardwalk Petroleum, Inc.</b></p> <p>3. ADDRESS OF OPERATOR <b>115 South Main, Suite 420 Salt Lake City, Utah 84111</b></p> <p>4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface <b>330' FEL &amp; 1980' FSL of Sec 12 T 20 S R 23 E</b></p> <p>14. PERMIT NO.</p>	<p>5. LEASE DESIGNATION AND SERIAL NO. <b>U-7629E</b></p> <p>6. IF INDIAN, ALLOTTEE OR TRIBE NAME <b>N/A</b></p> <p>7. UNIT AGREEMENT NAME <b>N/A</b></p> <p>8. FARM OR LEASE NAME <b>Boardwalk Petroleum, Inc</b></p> <p>9. WELL NO. <b>Madman #1</b></p> <p>10. FIELD AND POOL, OR WILDCAT <b>Cisco Springs</b></p> <p>11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA <b>Sec 12, T 20 S R 23 E</b></p> <p>12. COUNTY OR PARISH <b>Grand</b></p> <p>13. STATE <b>Utah</b></p>
<p>15. ELEVATIONS (Show whether DF, RT, GR, etc.) <b>4663 GR</b></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 checked="" type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) _____	

(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.)\*

Operator's decision to Plug & Abandon was relayed by phone to Bill Martens of U.S.G.S. by the Petroleum Engineer, Mr. Newt Burkhalter on 4-18-79 at 5:15 p.m.

The subsequent report follows this one. Mr. Martens gave oral approval and sent verification of such.

APPROVED BY THE DIVISION OF  
OIL, GAS, AND MINING  
DATE: \_\_\_\_\_  
BY: \_\_\_\_\_

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

SIGNED [Signature] TITLE Secretary-Treasurer DATE 4-30-79

(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

SUBMIT IN TRIP!  
(Other instructions on reverse side)

Form approved.  
Budget Bureau No. 42-R1424.

SUNDRY NOTICES AND REPORTS ON WELLS

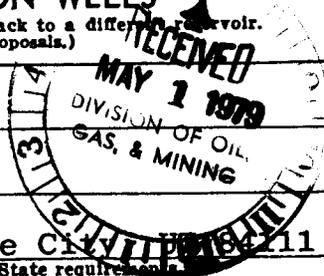
(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL  GAS WELL  OTHER

2. NAME OF OPERATOR  
Boardwalk Petroleum, Inc.

3. ADDRESS OF OPERATOR  
115 South Main, Suite 420 Salt Lake City, Utah 84111

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.)  
At surface  
330' FEL & 1980' FSL of Sec 12  
T 20 S R 23 E



5. LEASE DESIGNATION AND SERIAL NO.  
U-7629E

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

7. UNIT AGREEMENT NAME  
N/A

8. FARM OR LEASE NAME  
Boardwalk Petroleum, Inc.

9. WELL NO.  
Madman #1

10. FIELD AND POOL, OR WILDCAT  
Cisco Springs

11. SEC., T., R., M., OR BLM. AND SURVEY OR AREA  
Sec 12, T 20 S R 23 E

12. COUNTY OR PARISH  
Grand

13. STATE  
Utah

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, RT, OR, etc.)  
4663 GR

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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 checked="" 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.)\*

PI rpt - R/A 4/18/79

Plug & Abandon approved by Bill Martens, U.S.G.S. on 4-18-79. Casing was cut off at 1530' and pulled.

Plugs were set as follows:

- #1 From 1600' to 1450' with 30 sacks of cement
- #2 From 240' to 140' with 20 sacks of cement
- Surface plug used 10 sacks

\* Plugging was completed on 4-19-79.  
Dry hole marker will be set and site will be rehabilitated according to Bureau of Land Management specifications.

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

SIGNED [Signature] TITLE Secretary-Treasurer DATE 4-30-79

(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

July 19, 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

Boardwalk Petroleum, Inc.  
115 South Main, Suite 420  
Salt Lake City, Utah 84111

Re: Well No. Federal Madman #1  
Sec. 12, T. 20S, R. 23E,  
Grand County, Utah

Gentlemen:

This letter is to advise you that the Well Completion or Recompletion Report and Log for the above referred to 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

KATHY AVILA  
RECORDS CLERK

SCOTT M. MATHESON  
Governor



OIL, GAS, AND MINING BOARD

GORDON E. HARMSTON  
*Executive Director,*  
NATURAL RESOURCES

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES

CHARLES R. HENDERSON  
*Chairman*

CLEON B. FEIGHT  
*Director*

DIVISION OF OIL, GAS, AND MINING

1588 West North Temple  
Salt Lake City, Utah 84116  
(801) 533-5771

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

November 15, 1979

Boardwalk Petroleum, Inc.  
115 South Main, Suite 420  
Salt Lake City, Utah  
84111

RE: Well No. Federal Madman #1  
Sec. 12, T. 20S, R. 23E,  
Grand County, Utah  
SECOND NOTICE

Gentlemen:

This letter is to advise you that the Well Completion or Recompletion Report and Log for the above referred to 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

*Debbie Beauregard*  
DEBBIE BEAUREGARD  
CLERK-TYPIST

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS, AND MINING

5. LEASE DESIGNATION AND SERIAL NO.  
U-7629-E

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

7. UNIT AGREEMENT NAME  
N/A

8. FARM OR LEASE NAME  
Boardwalk Petroleum, I

9. WELL NO.  
Madman #1

10. FIELD AND POOL, OR WILDCAT  
Cisco Springs

11. SEC., T., R., N., OR BLOCK AND SURVEY OR AREA  
Sec 12, T 20 S R 23 E

12. COUNTY OR PARISH  
Grand

13. STATE  
Utah

14. PERMIT NO. DATE ISSUED  
August 1979

15. DATE SPUNDED 16. DATE T.D. REACHED 17. DATE COMPL. (Ready to prod.) 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)\* 19. ELEV. CASINGHEAD  
12-18-79 2-7-79 2-18-79 4663 GR 4663 GR.

20. TOTAL DEPTH, MD & TVD 21. PLUG, BACK T.D., MD & TVD 22. IF MULTIPLE COMPL., HOW MANY\* 23. INTERVALS DRILLED BY ROTARY TOOLS CABLE TOOLS  
2163' 1639' N/A → Air

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)\* 25. WAS DIRECTIONAL SURVEY MADE  
1563' - 1568' yes

26. TYPE ELECTRIC AND OTHER LOGS RUN 27. WAS WELL CORED  
CBL - CND - DI - GRN 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 lbs	190'	9 7/8"	50 sacks	-0-
4 1/2"	10.5 lbs	1639'	6 1/4"	40 sacks RFC	-0-

29. LINER RECORD 30. TUBING RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					1 1/2"	1570'	-0-

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
1563 - 1568	No fracture or squeeze

G.O. casing cutter  
2 shots per/foot

33.\* PRODUCTION

DATE FIRST PRODUCTION: N/A  
PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump): N/A  
WELL STATUS (Producing or shut-in): Plugged - D&A

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
4-17-79	24		→				

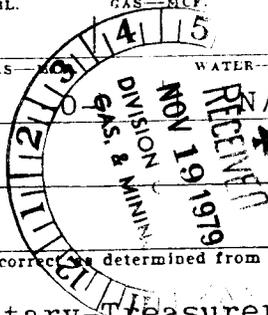
  

FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS	WATER—BBL.	OIL GRAVITY-API (CORR.)
-0-	-0-	→	N/A			N/A

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

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: [Signature] TITLE: Secretary-Treasurer DATE: 4-27-79



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

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  dry

2. NAME OF OPERATOR  
Ambra Oil & Gas Company

3. ADDRESS OF OPERATOR 84101  
47 W. 200 S., Suite 510 Salt Lake City, UT

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)  
AT SURFACE: 330' FEL 1980' FSL, NE $\frac{1}{4}$  SE $\frac{1}{4}$   
AT TOP PROD. INTERVAL:  
AT TOTAL DEPTH:

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

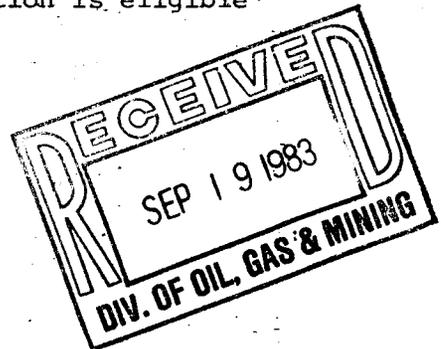
REQUEST FOR APPROVAL TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF	<input type="checkbox"/>		<input type="checkbox"/>
FRACTURE TREAT	<input type="checkbox"/>		<input type="checkbox"/>
SHOOT OR ACIDIZE	<input type="checkbox"/>		<input type="checkbox"/>
REPAIR WELL	<input type="checkbox"/>		<input type="checkbox"/>
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) <u>Final Release of Location</u>	<input checked="" type="checkbox"/>		<input type="checkbox"/>

5. LEASE U-7629E ✓
6. IF INDIAN, ALLOTTEE OR TRIBE NAME NA
7. UNIT AGREEMENT NAME NA
8. FARM OR LEASE NAME Boardwalk Petroleum
9. WELL NO. Madman #1
10. FIELD OR WILDCAT NAME Greater Cisco Area
11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 12, T20S R23E
12. COUNTY OR PARISH Grand
13. STATE Utah
14. API NO. 43-019-30464
15. ELEVATIONS (SHOW DF, KDB, AND WD) 4663' GR

(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.)\*

Will you please advise us as to whether or not this location is eligible for final release by the BLM?



Subsurface Safety Valve: Manu. and Type \_\_\_\_\_ Set @ \_\_\_\_\_ Ft.

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

SIGNED Jinda Conde TITLE Production Mgr. DATE September 16, 1983

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_  
CONDITIONS OF APPROVAL IF ANY: