

UTAH DIVISION OF OIL AND GAS CONSERVATION

REMARKS: WELL LOG \_\_\_\_\_ ELECTRIC LOGS \_\_\_\_\_ FILE  WATER SANDS \_\_\_\_\_ LOCATION INSPECTED \_\_\_\_\_ SUB. REPORT/abd. \_\_\_\_\_

8-28-78 - Location Abandoned; Well never drilled

DATE FILED 8-2-77

LAND: FEE & PATENTED

STATE LEASE NO.

PUBLIC LEASE NO.

INDIAN 14-20-H62-1471

DRILLING APPROVED: 8-2-77

SPUDED IN:

COMPLETED:

PUT TO PRODUCING:

INITIAL PRODUCTION:

GRAVITY A.P.I.

GOR:

PRODUCING ZONES:

TOTAL DEPTH:

WELL ELEVATION:

DATE ABANDONED: 8-28-78 - Location Abandoned

FIELD: Bluebell <sup>3/86</sup>

UNIT: Spring Hollow Unit

COUNTY: Duchesne

WELL NO. Spring Hollow Unit - Tribal 5-25Z3

API NO: 43-013-30430

LOCATION 2471' FT. FROM (N) ~~XX~~ LINE. 2159' FT. FROM ~~XX~~ (W) LINE. SE NW 1/4 - 1/4 SEC. 25

TWP.	RGE.	SEC.	OPERATOR

TWP.	RGE.	SEC.	OPERATOR
1N	3W	25	GULF OIL CORPORATION

1N

3W

25

GULF OIL CORPORATION

8 28-78- Location Abandoned; Well never drilled

**FILE NOTATIONS**

Entered in NID File ..... ✓  
Location Map Pinned .....  
Card Indexed ..... ✓

Checked by Chief .....  
Approval Letter .....  
Disapproval Letter .....

**COMPLETION DATA:**

Date Well Completed .....  
..... WW..... TA.....  
GW..... OS..... PA.....

Location Inspected .....  
Bond released  
State or Fee Land .....

**LOGS FILED**

Driller's Log.....  
Electric Logs (No.) .....  
E..... I..... Dual I Lat..... GR-N..... Micro.....  
EBC Sonic GR..... Lat..... MI-L..... Sonic.....  
• CLog..... Others.....

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

8-24345

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1. TYPE OF WORK  
 DRILL  DEEPEN  PLUG BACK

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

3. NAME OF OPERATOR  
 GULF OIL CORPORATION

4. ADDRESS OF OPERATOR  
 P.O. Box 2619, Casper Wyoming 82602

5. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)\*  
 At surface 2159' FWL & 2471' FNL (SE NW)  
 At proposed prod. zone BHL: 1600' Southeast in NW 1/4 of SE 1/4, Sec 25

6. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*  
 22 miles north from Roosevelt, Utah

7. DISTANCE FROM PROPOSED\* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drig. unit line, if any)  
 2159'

8. DISTANCE FROM PROPOSED\* LOCATION TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.  
 None in Section 25

9. ELEVATIONS (Show whether DF, RT, GR, etc.)  
 6,861' GL

5. LEASE DESIGNATION AND SERIAL NO.  
 14-20-H62-1471

6. IF INDIAN, ALLOTTEE OR TRIBE NAME  
 Ute

7. UNIT AGREEMENT NAME  
 Spring Hollow Unit

8. FARM OR LEASE NAME  
 Spring Hollow Unit - Tribal

9. WELL NO.  
 5-25Z3

10. FIELD AND POOL, OR WILDCAT  
 Bluebell

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
 25-1N-3W

12. COUNTY OR PARISH  
 Duchesne

13. STATE  
 Utah

14. NO. OF ACRES IN LEASE  
 640

15. NO. OF ACRES ASSIGNED TO THIS WELL  
 640

16. PROPOSED DEPTH  
 17,560

17. ROTARY OR CABLE TOOLS  
 Rotary

18. APPROX. DATE WORK WILL START\*  
 Upon Approval

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
30"	20"	94	60	5 yds. ready mix
12 1/2"	9 5/8"	36	3,000	1300 sacks
8 3/4"	7"	26-29	15,000	700 sacks
6"	5"	18	17,650	600 sacks

This well will be directionally drilled from 13,000 - 17,650.  
 Expected TVD will be 17,100 ±.

BOP programs are attached



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 R. B. Rosenbaum TITLE Area Drilling Superintendent DATE July 22, 1977

(This space for Federal or State office use)  
 PERMIT NO. 43-013-30430 APPROVAL DATE \_\_\_\_\_

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

## Instructions

**General:** This form is designed for submitting proposals to perform certain well operations, as indicated, on all types of lands and leases for appropriate action by either a Federal 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.

**Item 1:** If the proposal is to redrill to the same reservoir at a different subsurface location or to a new reservoir, use this form with appropriate notations. Consult applicable State or Federal regulations concerning subsequent work proposals or reports on the well.

**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 14:** Needed only when location of well cannot readily be found by road from the land or lease description. A plat, or plats, separate or on this reverse side, showing the roads to, and the surveyed location of, the well, and any other required information, should be furnished when required by Federal or State agency offices.

**Items 15 and 18:** If well is to be, or has been directionally drilled, give distances for subsurface location of hole in any present or objective production zone.

**Item 22:** Consult applicable Federal or State regulations, or appropriate officials, concerning approval of the proposal before operations are started.

\*GPO 782-931

cc: USGS, 8440 Federal Building, 125 S. State Street., Salt Lake City, Utah 84138  
Atten: Ed Guynn

Utah Oil & Gas Commission  
1588 W. North Temple  
Salt Lake City, UT 84111

Bureau of Indian Affairs  
Uintah and Ouray Agency  
Ft. Duchesne, UT 84026

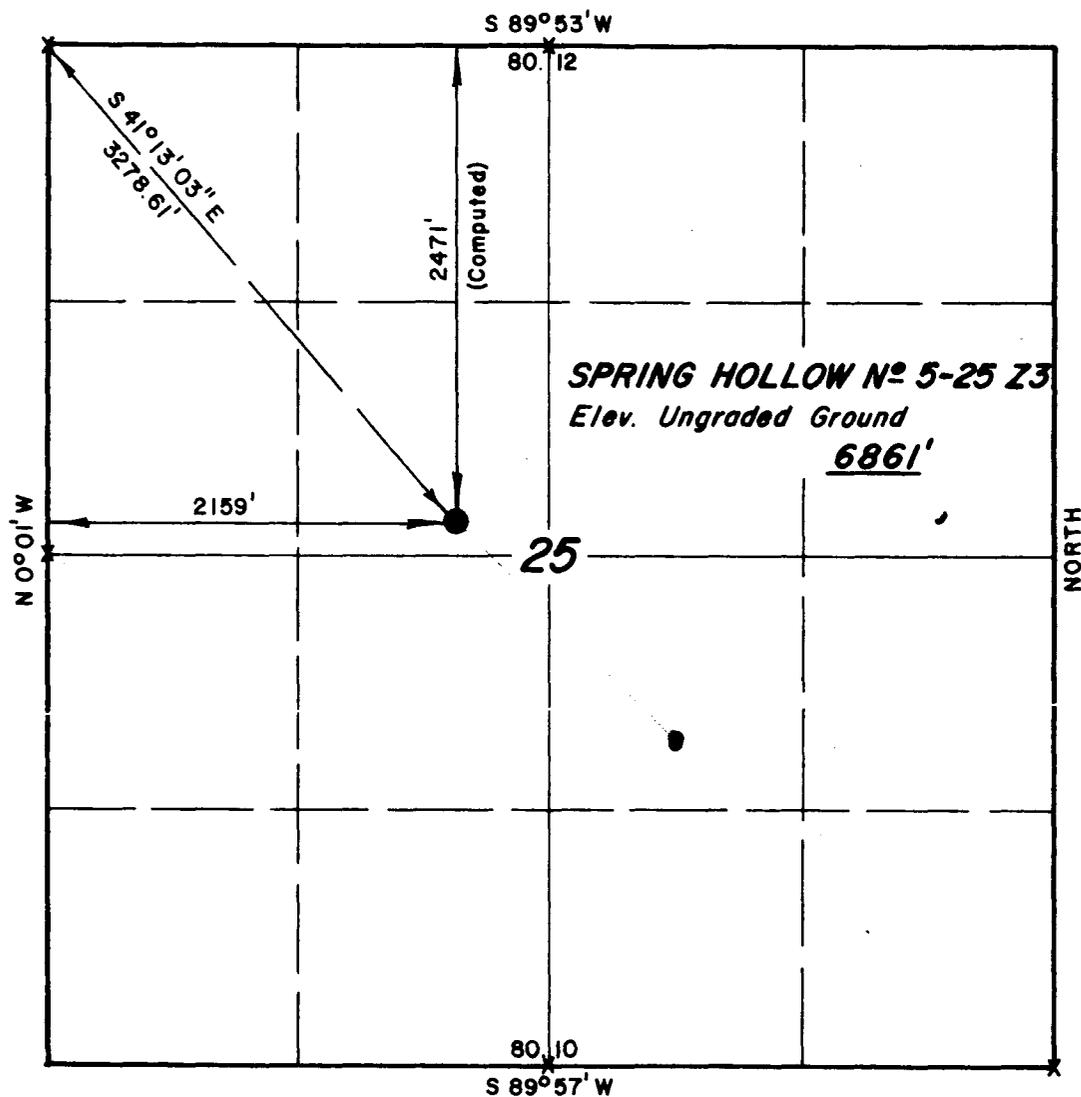
Ute Distribution Corporation  
P. O. Box 696  
Roosevelt, UT 84066

Gulf Energy & Minerals Co. - U. S.  
1819 Gulf Bldg. - Map Room  
Houston, TX 77001

T1N, R3W, U.S.B. & M.

PROJECT  
**GULF ENERGY & MINERALS CO., U.S.**

Well location, *SPRING HOLLOW N<sup>o</sup> 5-25 Z3*,  
 located as shown in the SE1/4 NW1/4 Section  
 25, T1N, R3W, U.S.B. & M. Duchesne County,  
 Utah.



X = Section Corners Located



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.

*Lawrence C. Kay*  
 REGISTERED LAND SURVEYOR  
 REGISTRATION N<sup>o</sup> 3137  
 STATE OF UTAH

<b>UINTAH ENGINEERING &amp; LAND SURVEYING</b> P.O. BOX Q - 110 EAST - FIRST SOUTH VERNAL, UTAH - 84078	
SCALE 1" = 1000'	DATE 07/12/77
PARTY L.T. D.G.                      MHW	REFERENCES GLO Plat
WEATHER Warm - Clear	FILE GULF ENERGY & MINERALS CO., INC.

GULF OIL CORPORATION  
10 POINT INFORMATION SHEET  
ATTACH TO U.S.G.S. FORM 9-331-C  
FOR

Well: Spring Hollow Unit - Tribal 5-25Z3

Location: 25-1N-3W

County and State: Duchesne County, Utah

Lease Number: 14-20-H62-1471

1. Geologic name of surface formation.

Uintah

2. Estimated tops of important geologic markers.

T110 Green River	8,600
T122 Lower Green River	11,150
T150 Wasatch	12,830
Top of Overpressure Zone	15,750

3. Estimated depths at which anticipated water, oil, gas, or other mineral bearing formations are expected to be encountered.

Oil and gas are expected from 15,300 to TD.

4. Proposed casing program.

<u>Size</u>	<u>Weight/Foot</u>	<u>Setting Depth</u>	<u>Grade</u>	<u>Condition</u>
9-5/8"	36#	3,000	K-55	New
7"	26# & 29#	15,000	P110	New
5"	18#	17,100	P-110	New

5. Minimum specifications for pressure control equipment. Show sizes, pressure rating or API series, testing procedure and testing frequency. Include schematic diagram.

Install on 9-5/8" surface casing one bag type, one double gate (blind rams and DP rams) and rotating head with appropriate manifold to match BOP stack (minimum of 10" Series 900 equipment).

Install on 7" intermediate casing one double gate and one single gate (DP rams, blind rams, DP rams) and rotating head (minimum of 1500 Series equipment). See Diagram.

**6. Type and characteristics of the proposed circulating fluid. Show quantities and types of mud and weighting material to be maintained.**

0 - 3000' Fresh water spud mud

3,000' - 15,000' Potassium chloride water will be used for a shale inhibitor. Sodium chloride will be used for a shale inhibitor and weight. Minimum bulk salt on location will be 100,000#.

15,000' - TD Fresh water, low solids with barite for weight. Minimum bulk barite on location will be 100,000#.

**7. Auxiliary equipment.**

Flow sensors, PVT equipment, pump stroke counters, degasser, mud-gas separator, hydraulic choke, and gas detector. Upper Kelly Cock will be used from 3,000' to TD and Lower Kelly Cock and DP sub will be available on the rig floor.

**8. Testing, logging, and coring program.**

Logging program

From 15,000' to shoe of surface pipe: DIL-GR, FDC-GR, BHC-GR-S (integrated)

From 17,100' - 15,000' DIL-GR, FDC-GR, BHC-GR-S (integrated)

**9. Anticipated abnormal pressures or temperatures. Potential hazards such as hydrogen sulfide gas. Plans for mitigating hazards.**

From 0 - 15,000' No abnormal pressures expected.

From 15,000' to TD Pressures to 13,400# are expected.

**10. Anticipated starting date and duration of operations.**

The anticipated starting date is August 10, 1977 with approximately 120 days required for drilling and completing operations.

GULF OIL CORPORATION

13 Point Surface Use Plan

for

Well Location

Spring Hollow 5-25 23.

Located In

Section 25, T1N, R3W, U.S.B. & M.

Duchesne County, Utah

Gulf Oil Corporation  
Spring Hollow 5-25 Z3  
Section 25, T1N, R3W, U.S.B. & M.

1. EXISTING ROADS

See attached Topographic Map "A" - to reach the Gulf Energy and Mineral Company, U. S. well location, Spring Hollow 5-25 Z3, located in Section 25, T1N, R3W, U.S.B. & M. from Roosevelt, Utah.

Proceed West and then North from Roosevelt, Utah, along Utah State Highway 121 - 10 miles to Neola, Utah; proceed West out of Neola along the County road five miles to the junction of an improved dirt road to the West; proceed West along this dirt road five miles more or less to a point on top of Monarch Ridge that an existing gravel surface road exits to the West; proceed Westerly along this road across this plateau and up Dry Gulch Creek 1.8 miles to the point that the planned access road to be discussed in Item #2 leaves this road to the North.

At the present time there is no major construction anticipated along any portion of the above described road.

The road will be maintained and kept at the necessary standards required for an orderly flow of traffic during the drilling, completion, and production activities of this location.

2. PLANNED ACCESS ROAD

See Topographic Map "B".

The planned access road leaves the existing gravel surface road discussed in Item #1 in the NW 1/4 SE 1/4 of Section 36, T1N, R3W, U.S.B. & M. and proceeds in a northerly direction along an existing jeep trail that follows the bottom of Dry Gulch Creek 0.95 miles to the point that another jeep trail exits to the northwest; proceed in a northwesterly direction along this trail 0.7 miles to the point that the 0.15 miles of totally new road begins; proceed the 0.15 miles in a westerly direction to the proposed well location site.

Due to the apparent amount of construction required on the jeep trails they were listed under this Item instead of existing roads Item #1.

In order to facilitate the anticipated traffic flow necessary to drill and produce this well, the following standards will be met along this 1.8 miles.

This proposed access road will be an 18' crown road (9' either side of the centerline) with drain ditches along either side of the proposed road where it is determined necessary in order to handle any run-off from any normal meteorological conditions that are prevalent to this area.

Back slopes along the cut areas of the road will be 1 1/2 to 1 slopes and terraced.

The road will be centerline flagged prior to the commencement of construction.

Gulf Oil Corporation  
Spring Hollow 5-25 Z3  
Section 25, T1N, R3W, U.S.B. & M.

## 2. PLANNED ACCESS ROAD - Continued

The grade of this road will vary from flat to 8%, but will not exceed this amount. This road will be constructed from native borrow accumulated during construction.

If deemed necessary by the local governmental agencies or their representatives, turnouts will be installed for safety purposes every 0.25 miles or on the top of ridges that will provide the greatest sight distance. These turnouts will be 200' in length and 12' in width and will be tapered from the shoulder of the road for a distance of 50' in length at both the access and the outlet end.

Any fences that are encountered along this access road will be cut and replaced with a cattleguard with a minimum width of 18' and a loading factor large enough to facilitate the heavy trucks required in the drilling and production of this well.

If cattleguards are to be located at existing gates, they will be installed with the above requirements and with a new gate installed at one end of the cattleguard.

The access from the road to the gate will be of such a nature that there will be no impedance of traffic flow along the main access road and no difficulties encountered by traffic utilizing the gate, either leaving or entering the proposed access road.

At the point that the access road crosses the Yellowstone Feeder Canal a 72" Arch Pipe culvert will be required to facilitate an unimpeded water flow in this canal.

This culvert will be installed according to the specifications of the controlling agencies and will be treated in professional and workman like manor to insure that there will be no damage to either the canal or road during the drilling and production activities required.

The terrain that is traversed by this road is mountainous and is vegetated with juniper and pinion pine with sagebrush, grasses and cacti.

## 3. LOCATION OF EXISTING WELLS

As shown on Topographic Map "B", there are other wells within a one-mile radius of the proposed well site. (See location plat for placement of Gulf Energy and Mineral Company, U.S.

## 4. LOCATION OF TANK BATTERIES, PRODUCTION FACILITIES, AND PRODUCTION GATHERING AND SERVICE LINES

At the present time there are no Gulf Energy and Mineral Company, U.S. batteries, production facilities, oil gathering lines, gas gathering lines, injection or disposal lines within a one mile radius.

Gulf Oil Corporation: -  
Spring Hollow 5-25 Z  
Section 25, T1N, R3W, U.S.B. & M.

4. LOCATION OF TANK BATTERIES, PRODUCTION FACILITIES, AND PRODUCTION GATHERING AND SERVICE LINES - Continued

In the event that production of this well is established then the existing area of the location will be utilized for the establishment of some of the necessary production facilities.

There will have to be a 70' X 300' area on the West side of this location for the tank pad.

This area will be built, if possible, with native materials and if these materials are not available then the necessary arrangements will be made to get them from private sources.

The total area that is needed for the production of this well will be fenced and cattleguards will be utilized for access to these facilities.

The rehabilitation of the disturbed area that is not required for the production of this well, will meet the requirements of Items #7 and #10 and these requirements and standards will be adhered to.

5. LOCATION AND TYPE OF WATER SUPPLY

The anticipated water source for the drilling of this well, will be from the before mentioned Yellowstone Feeder Canal and will be hauled from the point the proposed access road crosses the canal approximately 1.8 road miles to the Southeast.

If this water source is not available for use then other necessary arrangements will be made at which time all concerned parties will be notified.

All regulations and guidelines will be followed in order to satisfy the anticipated water requirements.

6. SOURCE OF CONSTRUCTION MATERIALS

All construction materials for this location site and access road shall be borrow materials accumulated during construction of the location site and access road. No additional road gravels or pit lining material from other sources are anticipated at this time, but if they are required, the appropriate actions will be taken to acquire them from private sources.

7. METHODS FOR HANDLING WASTE DISPOSAL

See Location Layout Sheet.

A reserve and burn pit will be constructed.

The reserve pit will be approximately 8' deep and at least on half of this depth shall be below the surface of the existing ground.

Gulf Oil Corporation  
Spring Hollow 5-25-23  
Section 25, T1N, R3W, U.S.B. & M.

7. METHODS FOR HANDLING WASTE DISPOSAL - continued

One half of the reserve pit will be used as a fresh water storage area during the drilling of this well and the other one half will be used to store non-flammable materials such as cuttings, salts, drilling fluids, chemicals, produced fluids, etc.

If deemed necessary by the agencies concerned, to prevent contamination to surrounding areas the reserve pits will be lined with a gel.

The pits will have wire and overhead flagging installed at such time as deemed necessary to protect the water fowl, wildlife and domesticated animals.

At the onset of drilling, this reserve pit will be fenced on three sides and at the time the drilling activities are completed, it will be fenced on the fourth side and allowed to dry completely prior to the time that backfilling and reclamation activities are attempted.

When the reserve pit dries and the reclamation activities commence, the pits will be covered with a minimum of four feet of soil and all requirements in Item #10 will be followed.

The burn pits will be constructed and fenced on all four sides with a small mesh wire to prevent any flammable materials from escaping and creating a fire hazard.

All flammable materials will be burned and then buried upon completion of this well.

A portable chemical toilet will be supplied for human waste.

8. ANCILLARY FACILITIES

There are no ancillary facilities planned for at the present time and none foreseen in the near future.

9. WELL SITE LAYOUT

See Location Layout Sheet.

The appropriate Ute Tribal Agencies will be notified before any construction begins on the proposed location site.

As mentioned in Item #7, the pits will be unlined unless it is determined by the representatives of the agencies involved that the materials are too porous and would cause contamination to the surrounding area; then the pits will be lined with a gel and any other type material necessary to make it safe and tight.

When drilling activities commence, all work shall proceed in a neat and orderly sequence.

#### 10. PLANS FOR RESTORATION OF SURFACE

As there is some topsoil on the location site, it shall be stripped and stockpiled. (See location layout sheet and Item #9). When all drilling and production activities have been completed, the location site and access road will be reshaped to the original contour and the stockpiled topsoil spread over the disturbed area.

Any drainages re-routed during the construction activities shall be restored to their original line of flow as near as possible. Fences around pits are to be removed upon completion of drilling activities and all waste being contained in trash pit shall be buried with a minimum of 5' of cover.

As mentioned in Item #7, the reserve pit will be completely fenced and wired and overhead wire and flagging installed, if there is oil in the pits, it will be allowed to completely dry before covering.

Restoration activities shall begin within 90 days after completion of the well. Once completion activities have begun, they shall be completed within 30 days.

When restoration activities have been completed, the location site and access ramp shall be reseeded with a seed mixture recommended by the Ute Tribal District Manager when the moisture content of the soil is adequate for germination. The Lessee further covenants and agrees that all of said cleanup and restoration activities shall be done and performed in a diligent and most workmanlike manner and in strict conformity with the above mentioned Items #7 and #10.

#### 11. OTHER INFORMATION

##### The Topography of the General Area (See Topographic Map "A").

The area is located along the northern edge of the Uintah Basin in which the area slopes from the rim of the Uinta Mountains to the North to the Green River to the South.

This area is interlaced with numerous canyons, ridges and bench lands of which the side slopes are extremely steep with ledges, formed of sandstone and conglomerate being common.

The visible geologic structures of the area, are the glacial outwashes of the Recent or Pleistocene Epoch (Quaternary Period) along the tops of the benches, plateaus and ridges and from the Duchesne River Formation of the Eocene Epoch (Tertiary Period) along the lower portions of the ridges and the canyon and draw bottom lands. The upper areas consists of light reddish-brown clayey-sands with poorly graded gravels (SM-ML) to heavy brownish grey sandy clays (OL) in the bottom lands.

11. OTHER INFORMATION - continued

Outcrops of sandstone and conglomerate deposits are common in this area.

The topsoils in the area range from a sandy clay (SM-ML) type soil with large boulders to a clayey (OL) type soil.

The majority of the numerous washes and streams in the area are of a non-perennial nature flowing during the early spring run-off and extremely heavy rain storms of long duration which are extremely rare as the normal annual rainfall in the area is only 8".

Due to the low precipitation average, climate conditions and the marginal types of soils, the vegetation that is found in the area is common of the semi-arid region we are located in and consists of juniper and pinion forests as the primary flora with areas of sagebrush, rabbit brush, some grasses, and cacti.

The fauna of the area consists predominantly of the mule deer, coyotes, rabbits and varieties of small ground squirrels and other types of rodents.

The area is used by man for the primary purpose of grazing domesticated sheep and cattle.

The birds of the area are raptors, finches, ground sparrows, magpies, crows, and jays.

The Topography of the Immediate Area (See Topographic Map "B")

Spring Hollow 5-25 Z3 is located on the top of a bench area that extends in a southerly direction with Dry Gulch Creek on the East and Spring Hollow immediately to the West.

The terrain in the immediate vicinity of the location slopes to the East through the location site at approximately a 2% grade and then drops into a small non-perennial drainage that is a tributary to Spring Hollow approximately 0.25 miles to the South.

The visible geologic structures at the location site is the Glacial Outwash of the Recent or Pleistocene Epoch and consists of a reddish brown clayey-sand with numerous boulders and cobblestones.

Spring Hollow is the nearest drainage that this location effects and is approximately 600' at its closest point.

The vegetation in the immediate area surrounding the location site is scattered juniper and pinion trees with sagebrush, grasses, and cacti.

There are no occupied dwellings or other facilities of this nature in the general area.

11. OTHER INFORMATION - continued

There are no visible archaeological, historical, or cultural sites within any reasonable proximity of the proposed location site. (See topographic Map "B").

12 LESSEE'S OR OPERATORS'S REPRESENTATIVE

R. W. Rosenbaum  
P. O. Box 2619  
Casper, Wyoming 82602

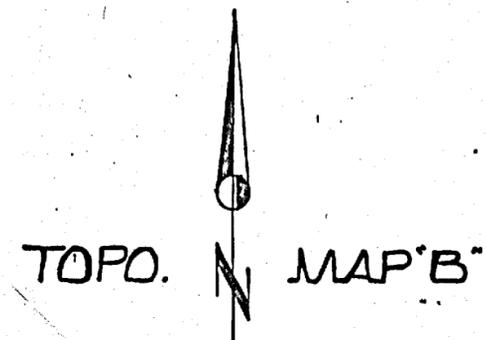
ph: 1-307-235-1311

13. CERTIFICATION

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

\_\_\_\_\_  
Date

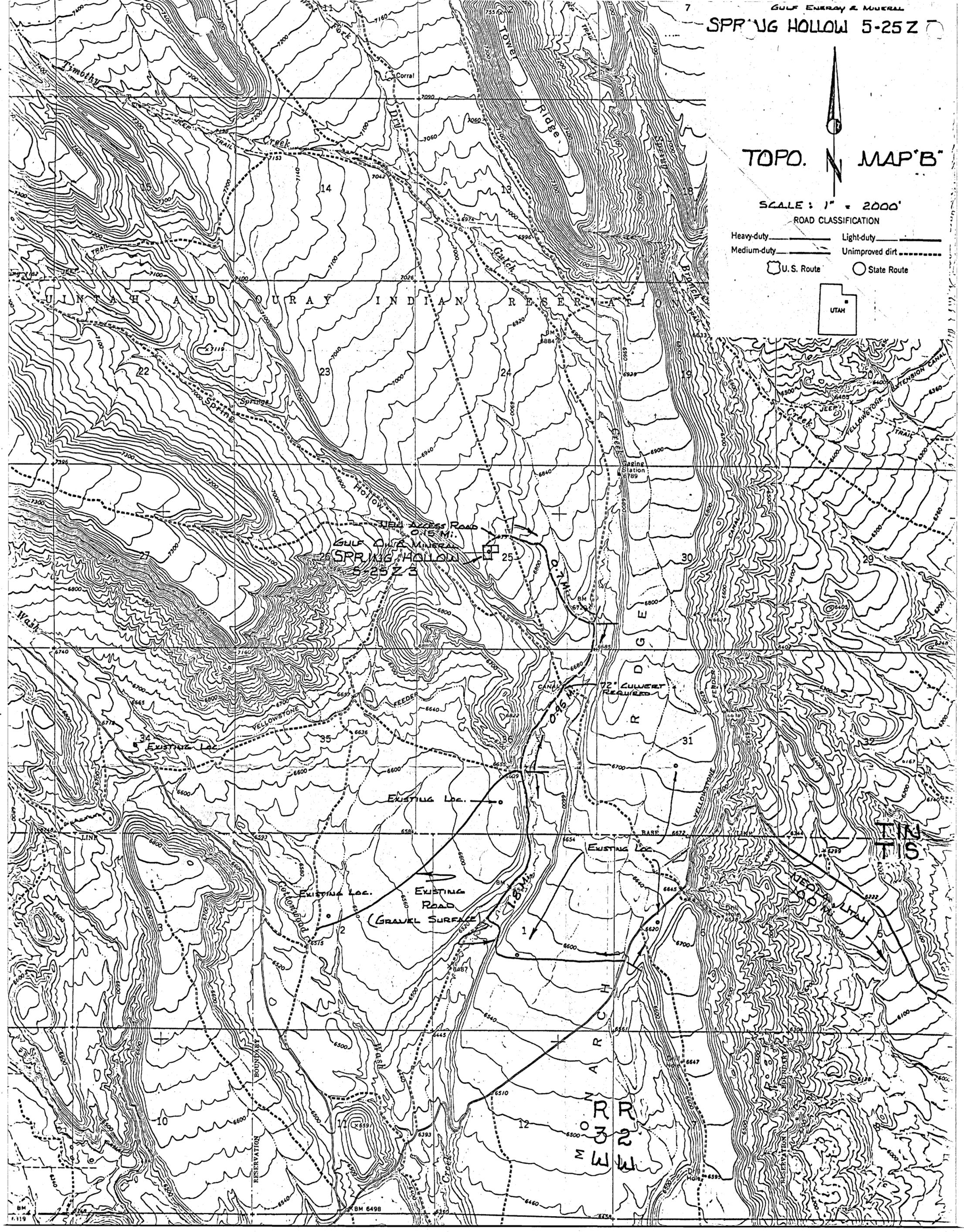
\_\_\_\_\_  
R. W. Rosenbaum



SCALE: 1" = 2000'

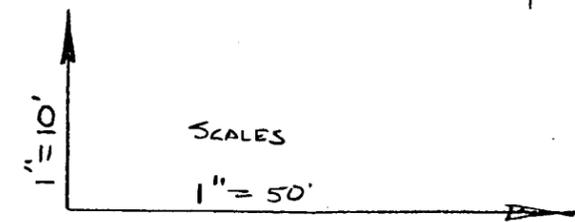
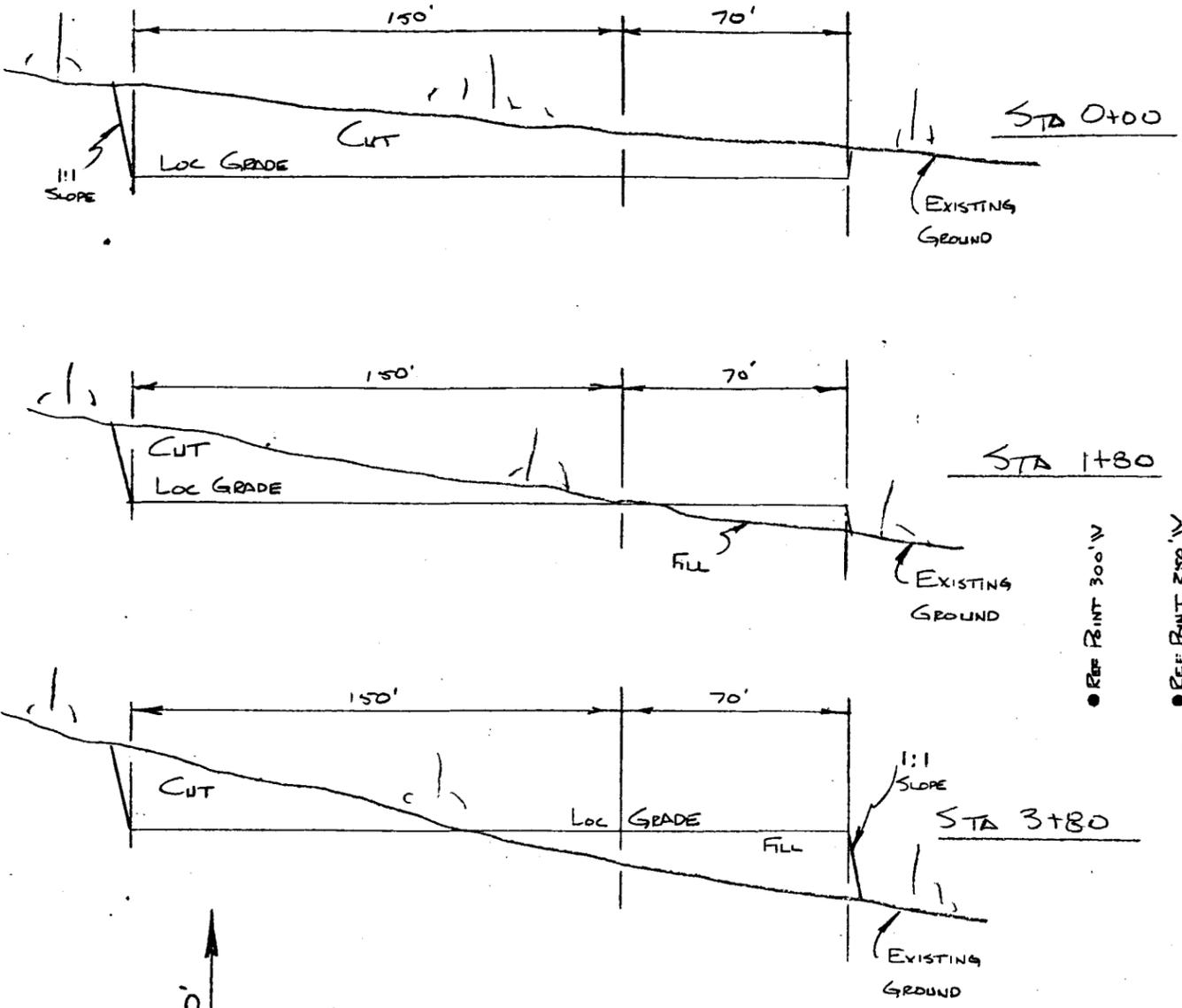
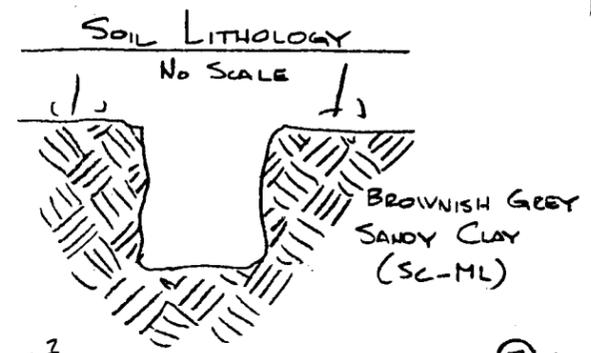
ROAD CLASSIFICATION

- Heavy-duty \_\_\_\_\_
- Medium-duty \_\_\_\_\_
- Light-duty \_\_\_\_\_
- Unimproved dirt \_\_\_\_\_
- U.S. Route
- State Route



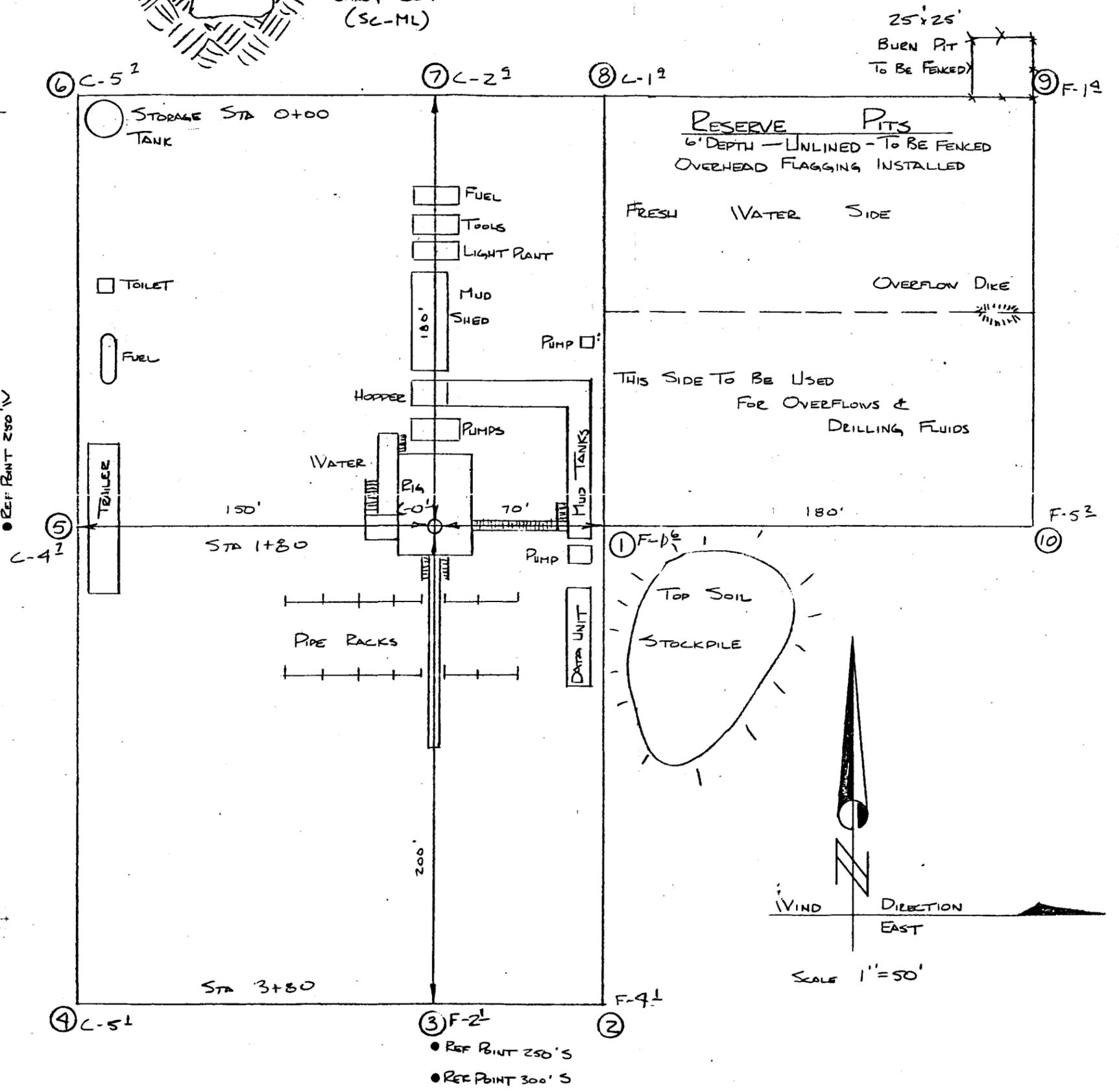
LOCATION LAYOUT SHEET

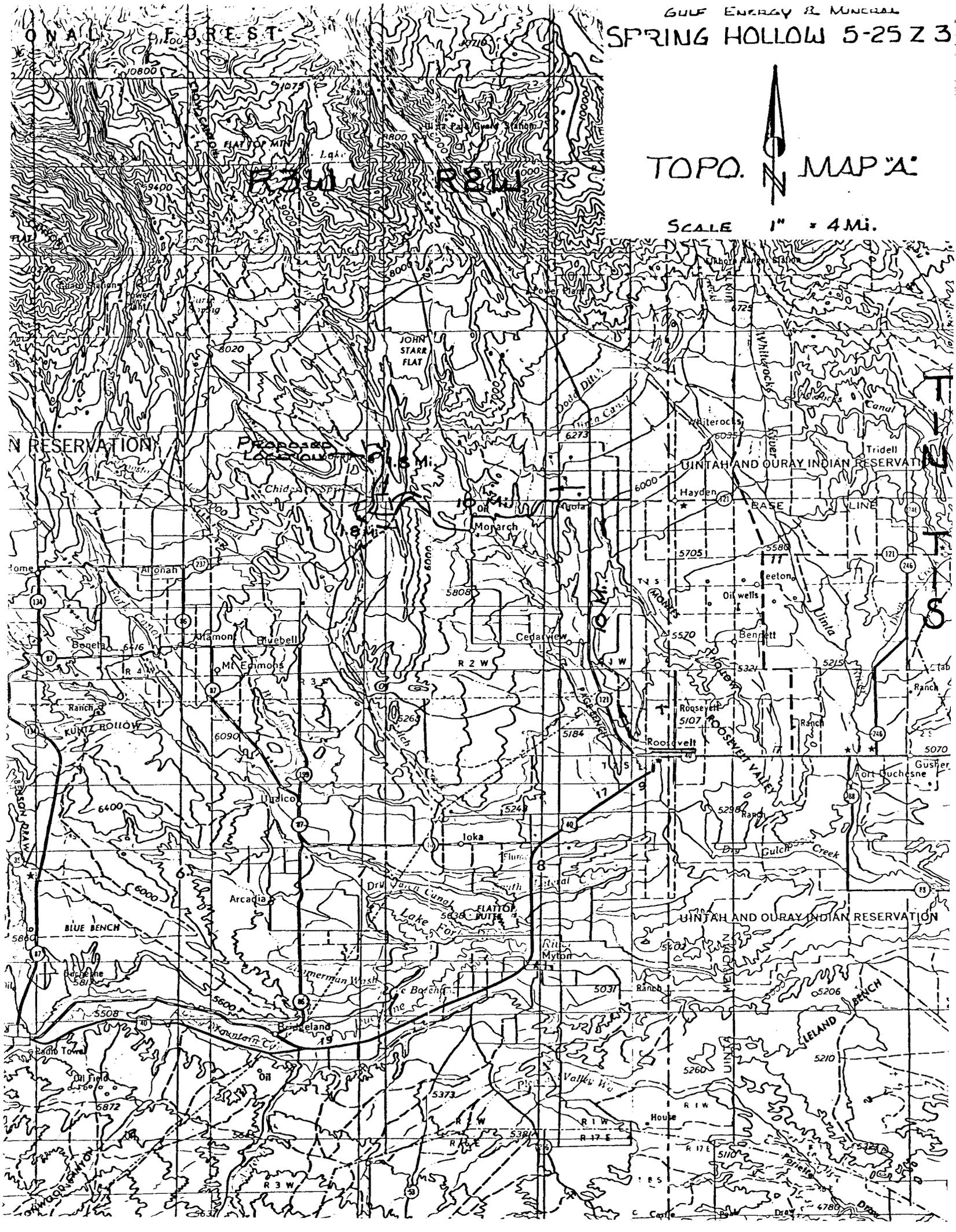
CROSS SECTIONS



APPROXIMATE YARDAGES

CUT = 6956 CU. YDS.  
 FILL = 1352 CU. YDS.





ONAL FOREST

FLAT TOP MOUNTAIN

TOPO. MAP "A"

SCALE 1" = 4 Mi.



UNTAH AND OURAY INDIAN RESERVATION

UNTAH AND OURAY INDIAN RESERVATION

Proposed Lease

JOHN STARR FLAT

BASE LINE

Blue Bench

Mammoth

Morarch

Hayden

KUNT HOLLOW

Mudico

Ioka

Roosevelt

BLUE BENCH

FLAT TOP ROUTE

UNTAH AND OURAY INDIAN RESERVATION

Radio Tower

Sumner Wash

Valley W

House

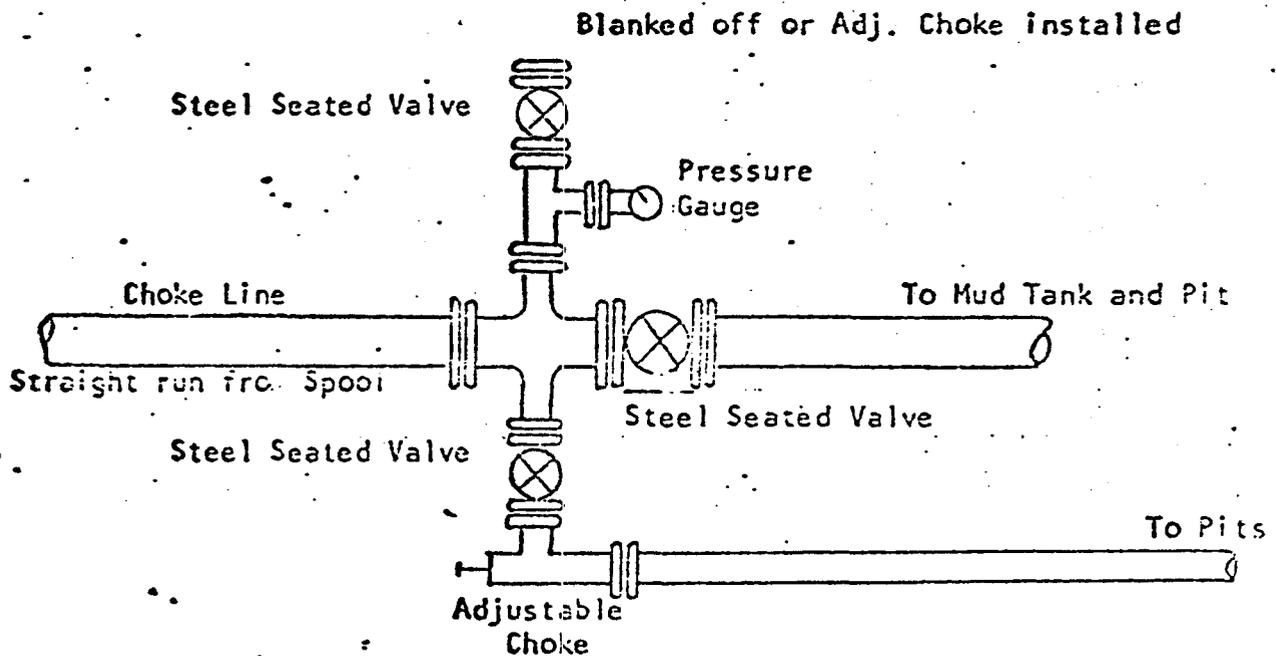
ISLAND BENCH

Drawing 3A

3000 PSI W. P. CHOKE MANIFOLD

MINIMUM ASSEMBLY

Pressure test to 3000 psi after 9-5/8" casing run; and to \_\_\_\_\_ psi after \_\_\_\_\_ casing run.



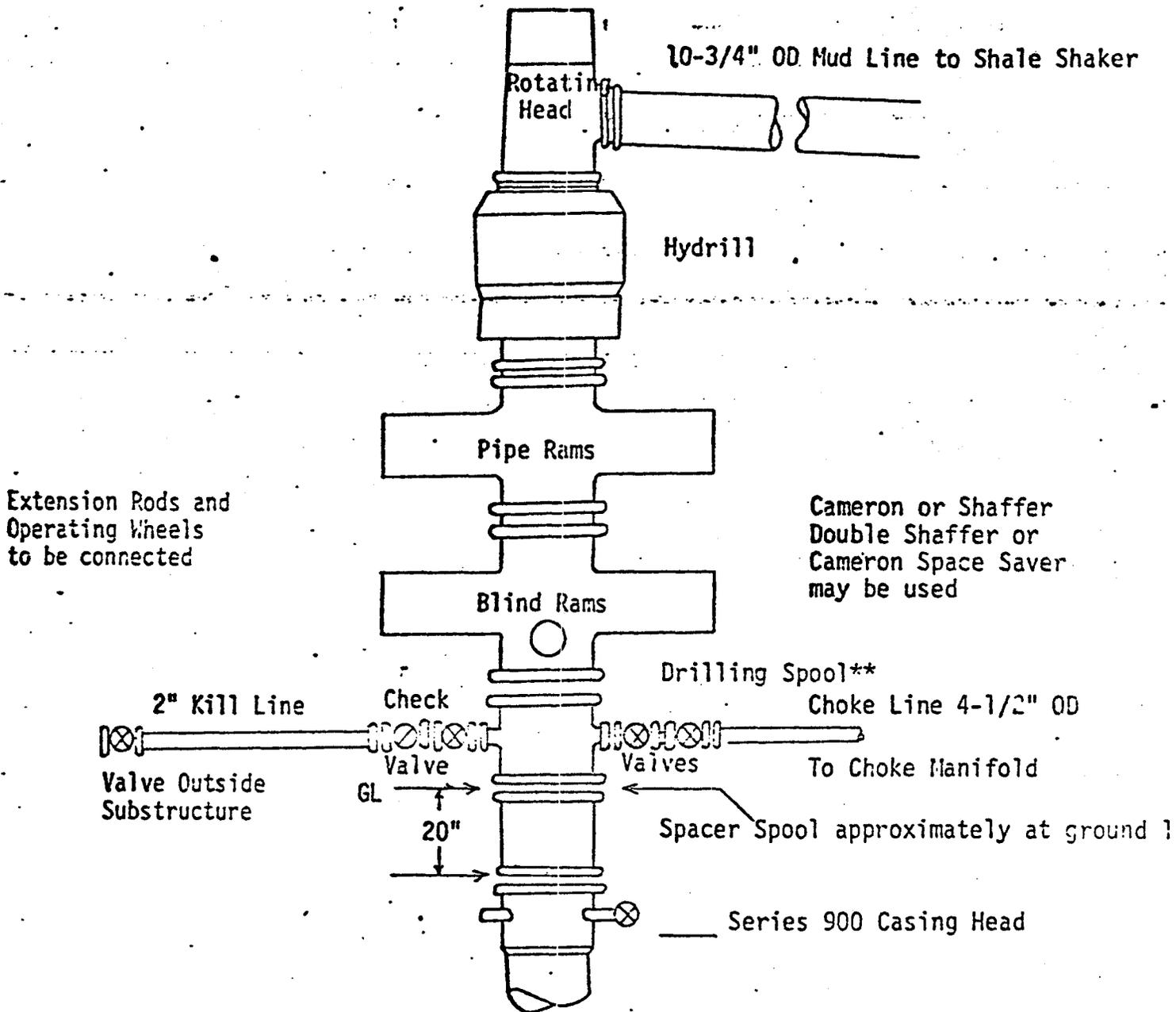
Minimum acceptable size of valve flanged to casing head will be 2" or 3" if drilling spool is used. The line, cross, and valve in the run of the discharge line should be the same size as the valve used on the casing head or drilling spool. The side outlets of the cross may be larger than 2", but the valve attached to the choke and the choke must be 2" nominal size. A pressure gauge must be attached near the cross. The bleed off lines from the choke should be arranged for straight line discharge into the pit. All bleed off lines shall be at least 3000 psi W.P.

Choke manifold and bleed off lines to be securely fasten down. All of choke manifold assembly and choke lines to be furnished and maintained by Contractor.

BLOWOUT PREVENTER DRAWING NO. 3B

3000 PSI WORKING PRESSURE BOP HOOK-UP  
 API SERIES 900 FLANGES OR BETTER (MINIMUM ASSEMBLY)

Install on  $9\frac{1}{2}$ " casing. Pressure test to 3,000 psi after installing on \_\_\_\_\_" casing prior to drilling cement plug.



The BOP's shall be hydraulic operated by hydraulic, air or electrical pumps. accumulator reservoir shall be sufficient to close all preventers simultaneously in 20 seconds with the charging pumps closed down. Minimum accumulator pressure shall be 1000 psi initially and not less than 1200 psi when all preventers are closed. All BOP operating control lines shall be steel piping.

The drilling spool ID shall be adequate to permit the use of drop through pipes on any subsequent string of casing which might be run. It also shall be provided with flanged side outlet connections and steel seated valves. Other choke line valves all be also steel seated and 3000 psi WP. Other kill line valves shall need to meet specifications of size and pressure only except that the kill line check valve shall be sized as well.

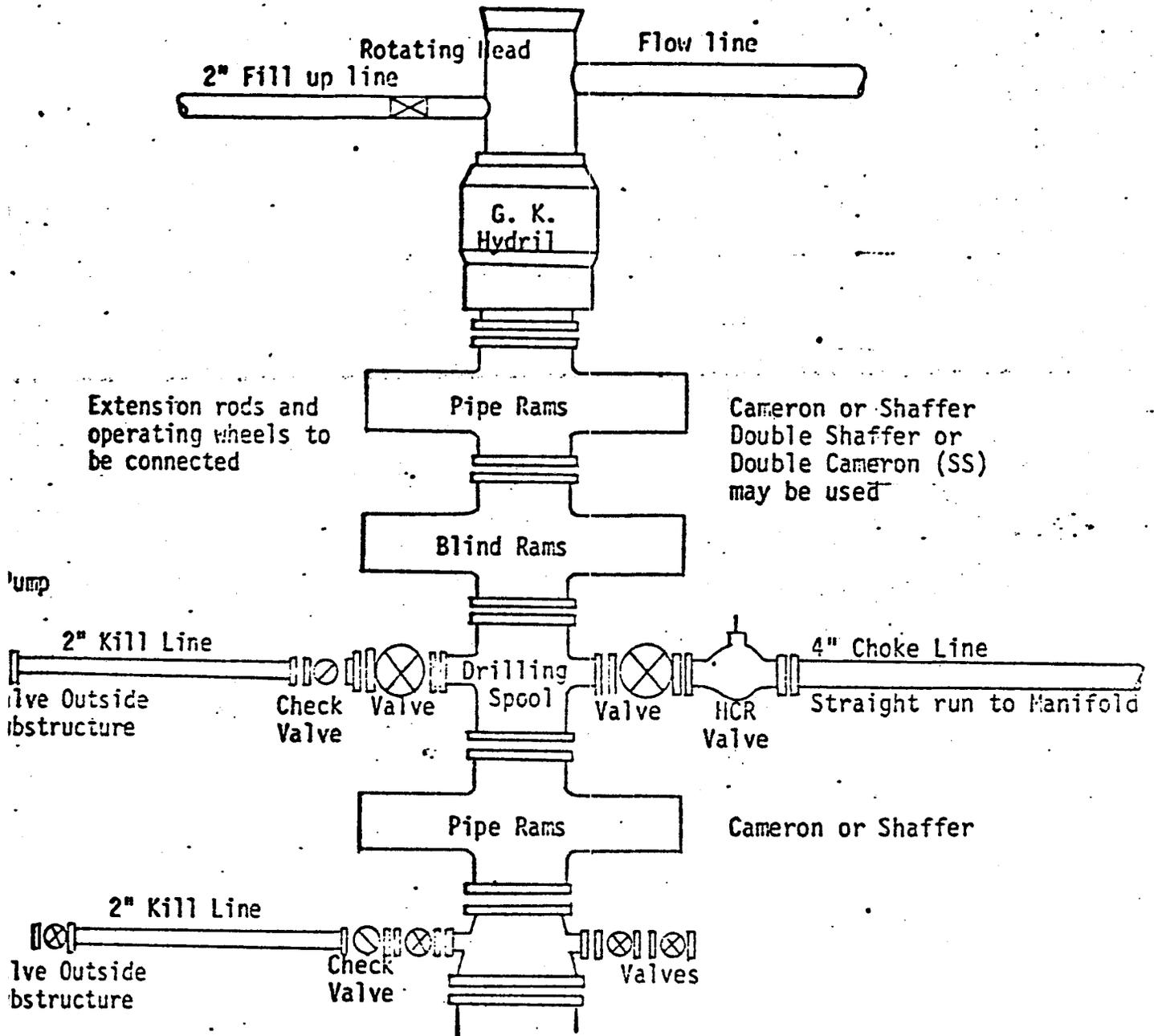
Gulf will furnish casing head together with casing head valves. Contractor shall furnish at his expense all other equipment above casing head.

Drilling spool not required if 4" openings are available below blind rams on BOP body

DRAWING NO. 5

5,000 PSI WORKING PRESSURE BOP HOOK-UP  
API SERIES 1,500 FLANGES OR BETTER

Install on 7" and        casing. Pressure test to 5,000 psi after installing on 7" casing, and to        psi after installing on        casing.



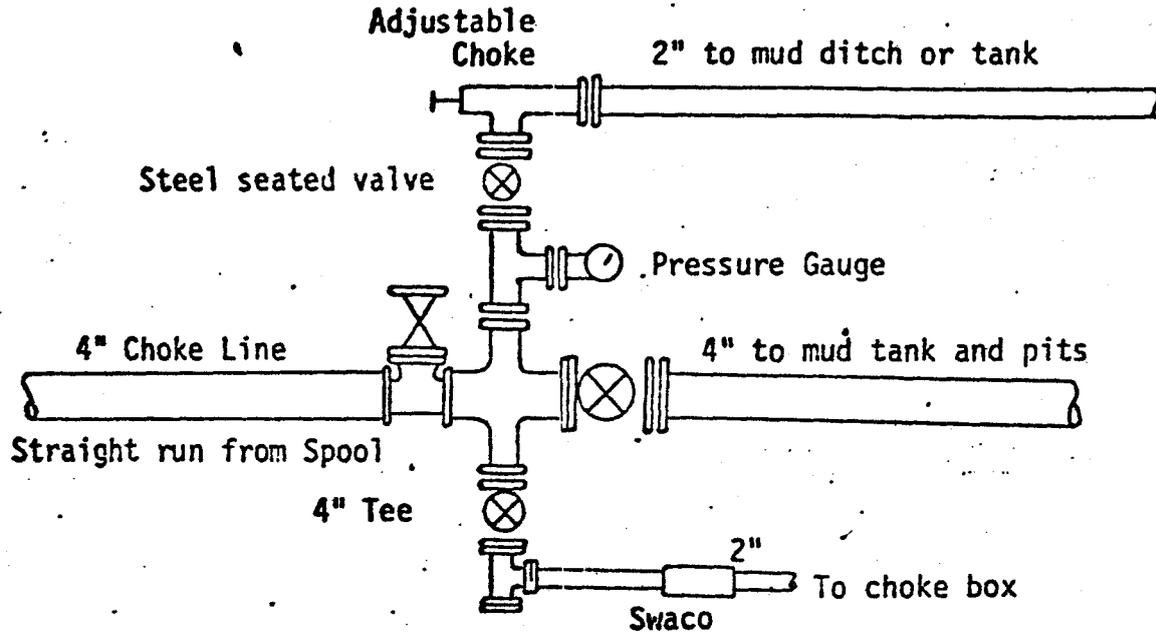
The BOPs shall be hydraulic operated hydraulic, air, or electrical pumps, with a pressure tank such that all BOPs can be closed once if power source is inoperative. The wellhead outlets on casinghead shall be flanged connections, and must be provided with two steel seated valves, including a check valve. The drilling spool shall have two API flanged outlets; 4" is preferable for both, but 4" and 3" or 4" and 2" is acceptable. The choke line shall be connected to the 4" outlet with a steel seated valve flanged to the drilling spool then a Cameron HRC valve. The other side outlet will be for the kill line with a steel seated valve the same I.D. as the opening then a 2" check valve flanged to the drilling spool. Other kill line valves may be any type suitable for 5,000 psi working pressure. Gulf will furnish all valves on casinghead. Contractor to furnish and maintain at his expense all other equipment.

DRAWING NO. 5A

5,000 W.P. BOP CHOKE MANIFOLD

Minimum Assembly

Pressure test to 5,000 psi after 7" casing run; and to \_\_\_\_\_ psi after casing run.



Minimum acceptable size of valve flanged to drilling spool will be 4". The line, cross, and valve in the run of the discharge line should be the same size as the valve used on the drilling spool, and must be at least 4". The side outlets of the cross may be larger than 2", but the valve attached to the choke and the choke must be 2" nominal size. A pressure gauge must be attached near the cross. The bleed off lines from the chokes should be arranged for straight line discharge into the pits. All bleed off lines shall have at least the pressure rating of the assembly being used.

Choke manifold and bleed off lines to be securely fastened down. All of choke manifold assembly and choke lines to be furnished and maintained by Contractor.

Note: 3" equipment may be furnished with Gulf's approval.

STATE OF UTAH  
DIVISION OF OIL, GAS, AND MINING

\*\* FILE NOTATIONS \*\*

Date: Aug. 2-  
Operator: Great Oil Co.  
Well No: Spring Hollow Unit - 5-2523  
Location: Sec. 25 T. 14 R. 3W County: Deuel

File Prepared  Entered on N.I.D.   
Card Indexed  Completion Sheet

CHECKED BY:

Administrative Assistant [Signature]  
Remarks: No other wells in sec. 25-  
Petroleum Engineer [Signature]  
Remarks:  
Director [Signature]  
Remarks:

INCLUDE WITHIN APPROVAL LETTER:

Bond Required  Survey Plat Required   
Order No. 131-14  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

August 2, 1977

Gulf Oil Corporation  
P.O. Box 2619  
Casper, Wyoming 82602

Re: Well No. Spring Hollow Unit 5-25Z3  
Sec. 25, T. 1 N, R. 3 W, USM  
Duchesne 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. 131-14.

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 43-013-30430.

Very truly yours,

DIVISION OF OIL, GAS, AND MINING

CLEON B. FEIGHT  
Director

/sw  
cc: U.S. Geological Survey

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

8-24345

6

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  
 GULF OIL CORPORATION

3. ADDRESS OF OPERATOR  
 P.O. Box 2619, Casper Wyoming 82602

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)\*  
 At surface 2159' FWL & 2471' FNL (SE NW)  
 At proposed prod. zone BHL: 1600' Southeast in NW 1/4 of SE 1/4, Sec 25

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*  
 22 miles north from Roosevelt, Utah

15. DISTANCE FROM PROPOSED\* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any)  
 2159'

16. NO. OF ACRES IN LEASE  
 640

17. NO. OF ACRES ASSIGNED TO THIS WELL  
 640

18. DISTANCE FROM PROPOSED LOCATION\* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.  
 None in Section 25

19. PROPOSED DEPTH  
 17,560

20. ROTARY OR CABLE TOOLS  
 Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)  
 6,861' GL

22. APPROX. DATE WORK WILL START\*  
 Upon Approval

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
30"	20"	94	60	5 yds. ready mix
12 1/4"	9 5/8"	36	3,000	1300 sacks
8 3/4"	7"	26-29	15,000	700 sacks
6"	5"	18	17,650	600 sacks

This well will be directionally drilled from 13,000 - 17,650.  
 Expected TVD will be 17,100 ±.

BOP programs are attached

*notice of approval*



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 R. B. Rosenbaum TITLE Area Drilling Superintendent DATE July 22, 1977

(This space for Federal or State office use)

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

APPROVED BY (ORIG. SGD.) E. W. GUYNN TITLE DISTRICT ENGINEER DATE NOV 16 1977

*Oil & Gas Cons. Comm'n  
Sweet Lake*

\*See Instructions On Reverse Side

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

I. DANIEL STEWART  
*Chairman*

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

CLEON B. FEIGHT  
*Director*

August 17, 1978

Gulf Oil Corporation  
P. O. Box 2619  
Casper, Wyoming 82602

Re: WELL NO. SPRING HOLLOW UNIT 5-25Z3  
Sec. 25, T. 1N, R. 3W,  
Duchesne County, Utah

Gentlemen:

In reference to above mentioned well, considerable time has gone by since approval was obtained from this office.

This office has not received any notification of spudding. If you do not intend to drill this well, please notify this Division. If spudding or any other activity has taken place, please send necessary forms.

Your prompt attention to the above will be greatly appreciated.

Very truly yours,

DIVISION OF OIL, GAS, AND MINING

KATHY AVILA  
RECORDS CLERK

# Gulf Oil Exploration and Production Company

J. D. Richards  
PRODUCTION MANAGER, CASPER AREA

P. O. Box 2619  
Casper, WY 82602

August 28, 1978

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

Attn: Kathy Avila

LA  
Re: Spring Hollow Unit 5-2573  
25-1N-3W  
Duchesne County, Utah

Dear Kathy Avila:

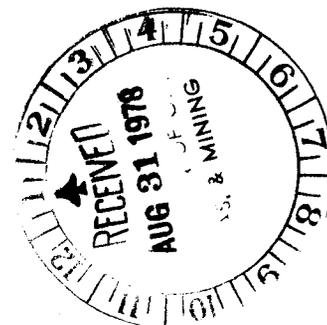
In response to your August 17, 1978 letter concerning the captioned well, this is to advise that Gulf does not plan to drill this well.

Very truly yours,



J.D. Richards

RWH/jc



ATTACHMENT 2-A

SUMMARY OF ENVIRONMENTAL IMPACT EVALUATION

EIA NO. 652

DATE 8-31-77

OPERATOR Gulf Oil

LEASE # TL 1471

WELL NO. 5-25-23

LOC. SE NW SEC. 25

T. 1N R. 3W

COUNTY Puckett STATE WV

FIELD Altamont

USGS ALEXANDER

BLM Valverde

REP: Boother

DIRT CASADA

ENHANCES

NO IMPACT

MINOR IMPACT

MAJOR IMPACT

	Construction			Pollution			Drilling Production			Transport Operations			Accidents		Others			
	Roads, bridges, airports	Transmission lines, pipelines	Dams & impoundments	Others (pump stations, compressor stations, etc.)	Burning, noise, junk disposal	Liquid effluent discharge	Subsurface disposal	Others (toxic gases, noxious gas, etc.)	Well drilling	Fluid removal (Prod. wells, facilities)	Secondary Recovery	Noise or obstruction of scenic views	Mineral processing (ext. facilities)	Others	Trucks	Pipelines	Others	Spills and leaks

Land Use	Forestry	NA																	
	Grazing	L/D	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
	Wilderness	NA																	
	Agriculture	NA																	
	Residential-Commercial	NA																	
	Mineral Extraction	NA																	
	Recreation	L/D	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
	Scenic Views	L	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
	Parks, Reserves, Monuments	NA																	
	Historical Sites	NA																	
Unique Physical Features	NA																		
Flora & Fauna	Birds	L	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
	Land Animals	L	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
	Fish	NA																	
	Endangered Species	None	Known																
	Trees, Grass, Etc.	L	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
Phy. Charact.	Surface Water	NA																	
	Underground Water	?																	
	Air Quality	L	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
	Erosion	L	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
Effect On Local Economy																			
		L/D	O						O					O					
Safety & Health		L	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
Others																			

Change  
addrs

LEASE 14-20-H62-1471 DATE 8-31-77

WELL NO. 5-2523

LOCATION: SE 1/4 NW 1/4, SEC. 25, T. 1N, R. 3W

FIELD Spring Hollow COUNTY Duchesne STATE Utah

ENVIRONMENTAL IMPACT ANALYSIS - ATTACHMENT 2-B

I. PROPOSED ACTION

Gulf Oil Company (COMPANY) PROPOSES TO DRILL AN OIL AND

GAS TEST WELL WITH ROTARY TOOLS TO ABOUT 17500 FT. TD. 2) TO CONSTRUCT A

DRILL PAD 400 FT. X 200 FT. AND A RESERVE PIT 200 FT. X 200 FT.

3) TO CONSTRUCT 18 FT. WIDE X .15 MILES ACCESS ROAD AND UPGRADE 18'

FT. WIDE X 1.5 MILES ACCESS ROAD FROM AN EXISTING AND IMPROVED ROAD. TO

GAS  OIL PRODUCTION FACILITIES ON THE DISTURBED AREA FOR THE DRILL PAD

AND  TRUCK  TRANSPORT THE PRODUCTION THROUGH A PIPELINE TO A TIE-IN IN

SECTION \_\_\_\_\_, T. \_\_\_\_\_, R. \_\_\_\_\_

*Propose also a tank pad on west edge of location - 300' x 70'*

2. LOCATION AND NATURAL SETTING (EXISTING ENVIRONMENTAL SITUATION).

(1) TOPOGRAPHY:  ROLLING HILLS  DISSECTED TOPOGRAPHY  DESERT OR PLAINS  STEEP CANYON SIDES  NARROW CANYON FLOORS  DEEP DRAINAGE IN AREA  SURFACE WATER \_\_\_\_\_

(2) VEGETATION:  SAGEBRUSH  PINION-JUNIPER  PINE/FIR  FARMLAND (CULTIVATED)  NATIVE GRASSES  OTHER \_\_\_\_\_

(3) WILDLIFE:  DEER  ANTELOPE  ELK  BEAR  SMALL MAMMAL  BIRDS  ENDANGERED SPECIES  OTHER \_\_\_\_\_

\_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

(4) LAND USE:  RECREATION  LIVESTOCK GRAZING  AGRICULTURE  MINING  INDUSTRIAL  RESIDENTIAL  OIL & GAS OPERATIONS

\_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

**BIA**  
 REF: ~~BUT~~ UMBRELLA EAR *BIA has NO EAR for this area.*  
 USFS EAR  
 OTHER ENVIRONMENTAL ANALYSIS

3. Effects on Environment by Proposed Action (potential impact)

1) EXHAUST EMISSIONS FROM THE DRILLING RIG POWER UNITS AND SUPPORT TRAFFIC ENGINES WOULD ADD MINOR POLLUTION TO THE ATMOSPHERE IN THE LOCAL VICINITY.

2) MINOR INDUCED AND ACCELERATED EROSION POTENTIAL DUE TO SURFACE DISTURBANCE AND SUPPORT TRAFFIC USE.

3) MINOR VISUAL IMPACTS FOR A SHORT TERM DUE TO OPERATIONAL EQUIPMENT AND SURFACE DISTURBANCE.

4) TEMPORARY DISTURBANCE OF WILDLIFE AND LIVESTOCK.

5) MINOR DISTRACTION FROM AESTHETICS FOR SHORT TERM.

6) *Existing trail use for access will need considerable upgrading. Another existing road in the area would cut approx 1/2 mile off the access and would need less upgrading.*

SEP 8 1977

RECEIVED  
 OIL AND GAS OPERATIONS  
 U.S. GEOLOGICAL SURVEY

4. 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.

2) DENY THE PROPOSED PERMIT AND SUGGEST AN ALTERNATE LOCATION TO MINIMIZE ENVIRONMENTAL IMPACTS. NO ALTERNATE LOCATION ON THIS LEASE WOULD JUSTIFY THIS ACTION.

~~3) LOCATION WAS MOVED \_\_\_\_\_ TO AVOID \_\_\_\_\_  
 LARGE SIDHILL CUTS  NATURAL DRAINAGE  OTHER \_\_\_\_\_~~

~~4)~~

*Access was moved to lessen disturbance. New access is shown in red on operators map.*

5. Adverse Environmental Effects Which Cannot Be Avoided

1) MINOR AIR POLLUTION DUE TO EXHAUST EMISSIONS FROM RIG ENGINES AND SUPPORT TRAFFIC ENGINES.

2) MINOR INDUCED AND ACCELERATED EROSION POTENTIAL DUE TO SURFACE DISTURBANCE AND SUPPORT TRAFFIC USE.

3) MINOR AND TEMPORARY DISTURBANCE OF WILDLIFE.

4) TEMPORARY DISTURBANCE OF LIVESTOCK.

5) MINOR AND SHORT-TERM VISUAL IMPACTS.

6)

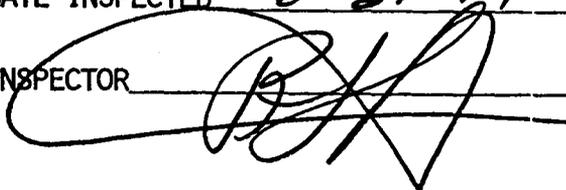
6. DETERMINATION:

(THIS REQUESTED ACTION ~~WAS~~ (DOES NOT) CONSTITUTE A MAJOR FEDERAL ACTION SIGNIFICANTLY AFFECTING THE ENVIRONMENT IN THE SENSE OF NEPA, SECTION 102(2) (C).

DATE INSPECTED

8-31-77

INSPECTOR



W.P. Martin  
U. S. GEOLOGICAL SURVEY  
CONSERVATION DIVISION - OIL & GAS OPERATIONS  
SALT LAKE CITY DISTRICT

U.S. GEOLOGICAL SURVEY, CONSERVATION DIVISION

FROM: DISTRICT GEOLOGIST, SALT LAKE CITY, UTAH

TO: DISTRICT ENGINEER, SALT LAKE CITY, UTAH

Well	Location	Lease No.
Gulf Oil Corp. #5-2523	2159' FNL, 2471' FNL, Sec. 25 T1N R3W USM, Duchesne County, Utah 49E6, 861'	14-20-H62-1471
<p>1. Stratigraphy and Potential Oil and Gas Horizons. <i>The surface rocks are of the Duchesne River formation and glacial outwash. Gulf Oil well # 4-3623, sec 36 of same twsp reported the following tops: Duchesne River-Surf, Green River - 8195', Waatch - 11,967'. T.D. 17,093'.</i></p> <p>2. Fresh Water Sands. <i>WRD reports is seen on page 2.</i></p> <p>3. Other Mineral Bearing Formations. <i>Within oil shale withdrawal E.O. 5327. Oil shale occurrence at 1350' ±. This information taken from Soapack map of Total Evaporation CK - Producta CK Interval map by Seeley Jr. USMS map 8-25-67.</i></p> <p>4. Possible Lost Circulation Zones. <i>It was noted by Burchell in memo 10-19-71 that severe lost circulation was encountered above depth of 4570 in well # 1-28 in sec. 28 of same twsp.</i></p> <p>5. Other Horizons Which May Need Special Mud, Casing, or Cementing Programs. <i>Unknown.</i></p> <p>6. Possible Abnormal Pressure Zones and Temperature Gradients. <i>Unknown.</i></p> <p>7. Competency of Beds at Proposed Casing Setting Points. <i>Probably competent</i></p> <p>8. Additional Logs or Samples Needed. <i>None</i></p> <p>9. References and Remarks <i>None</i></p>		
Date: JUL 27 1977	Signed: <i>emp</i>	

23,  
Depths of fresh-water zones:

Chevron Oil Co. - Western Div., Mobil-Ute Tribal #2(2-12H), Bluebell Field  
1,322' fsl, 1,325' fwi, sec. 12, T.1 S., R.3 W., USBM, Duchesne Co., Utah  
Elev. 6,475 ft, test to 12,800 ft

Casing proposed to total depth of test

Formation tops, approx.:

Duchesne River Fm	surface
Uinta Fm	3,900 ft
Green River Fm	7,800 ft
Wasatch Fm	12,000 ft

Water wells in this area generally do not exceed 250 ft in depth.

Brackish water, useable for stock, was found at 10,180 ft by an oil  
test about 1 mile northeast of this proposed test. Saline water occurs  
at greater depths near the base of the Green River Fm.

CTS  
6-11-70