

UTAH OIL AND GAS CONSERVATION COMMISSION

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

DATE FILED **5-28-80**

LAND: FEE & PATENTED STATE LEASE NO. **ML-22052** PUBLIC LEASE NO. INDIAN

DRILLING APPROVED: **6-18-80**

SPUDDED IN:
 COMPLETED: PUT TO PRODUCING:

INITIAL PRODUCTION:

GRAVITY A.P.I.

GOR:

PRODUCING ZONES:

TOTAL DEPTH:

WELL ELEVATION:

DATE ABANDONED: **LOCATION ABANDONED WELL NEVER DRILLED** **8-3-80**

FIELD: **UNDESIGNATED 3/86 Natural Buttes**

UNIT:

COUNTY: **UINTAH**

WELL NO. **MORGAN STATE #1-32-4B** API NO. **43-047-30728**

LOCATION **1735'** FT. FROM ~~W~~ (S) LINE. **1505'** FT. FROM (E) ~~W~~ LINE. **NW SE** 1/4 - 1/4 SEC. **32**

TWP.	RGE.	SEC.	OPERATOR	TWP.	RGE.	SEC.	OPERATOR
				8S	21E	32	GULF OIL EXPLORATION CO.

FILE NOTATIONS

Entered in NID File _____
Entered On S R Sheet _____
Location Map Planned _____
Card Indexed _____
IWR for State or Fee Land _____

Checked by Chief _____
Copy NID to Field Office _____
Approval Letter _____
Disapproval Letter _____

COMPLETION DATA:

Date Well Completed _____
OW _____ WW _____ TA _____
GW _____ OS _____ PA _____

Location Inspected _____
Bond released _____
State of Fee Land _____

LOGS FILED

Driller's Log _____
Electric Logs (No.) _____
E _____ I _____ E-I _____ GR _____ GR-N _____ Micro _____
Lat. _____ Mi-L _____ Sonic _____ Other _____

UIC
5-12-92

10

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK
 DRILL DEEPEN PLUG BACK

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

2. NAME OF OPERATOR
 Gulf Oil Exploration & Production Company

3. ADDRESS OF OPERATOR
 Box 2619 Casper WY 84601

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*
 At surface 1735' 1505' FEL
 2045' F.S.L. 1995' TWE Sec. 32, T8S, R21E, S.L.B. & M.
 At proposed prod. zone same NE SW NW SE

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
 7 miles East of Ouray, Utah

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 1995'

16. NO. OF ACRES IN LEASE 320

17. NO. OF ACRES ASSIGNED TO THIS WELL 320

18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 7500' Wasatch

20. ROTARY OR CABLE TOOLS Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.) 4667'

22. APPROX. DATE WORK WILL START* June 30, 1980

5. LEASE DESIGNATION AND SERIAL NO.
~~8-22700~~ ML 22052

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME
 Stage Coach

8. NAME OR LEASE NAME
 Morgan State

9. WELL NO.
 1-32-4B

10. FIELD AND POOL, OR WILDCAT
 Wildcat Undesignated

11. SEC., T., E., M., OR BLK. AND SURVEY OR AREA
 Sec. 32, T8S, R21E, S.L.B. & M.

12. COUNTY OR PARISH Uintah

13. STATE Utah

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/2"	9 5/8"	K55 17#	2000'	Cement to Surface
8 3/4"	5 1/2"	K55 36#	T.D. ± 7500'	Long String 500 Sacks

See Attachments:

- Exhibit "A" - (10' Point Compliance Program)
- Exhibit "B" - (BOP and Auxiliary Equipment)
- Certified Survey Plat
- 13 Point surface Use Plan and attachments

RECEIVED
MAY 28 1980

APPROVED BY THE DIVISION
OF OIL, GAS, AND MINING
DATE: 6-16-80
BY: M. J. Winder

Rig Layout
Topo Map "A"
Topo Map "B"

DIVISION OF
OIL, GAS & MINING

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 Ernest G. Booker TITLE Rig Superintendent DATE May 27, 1980

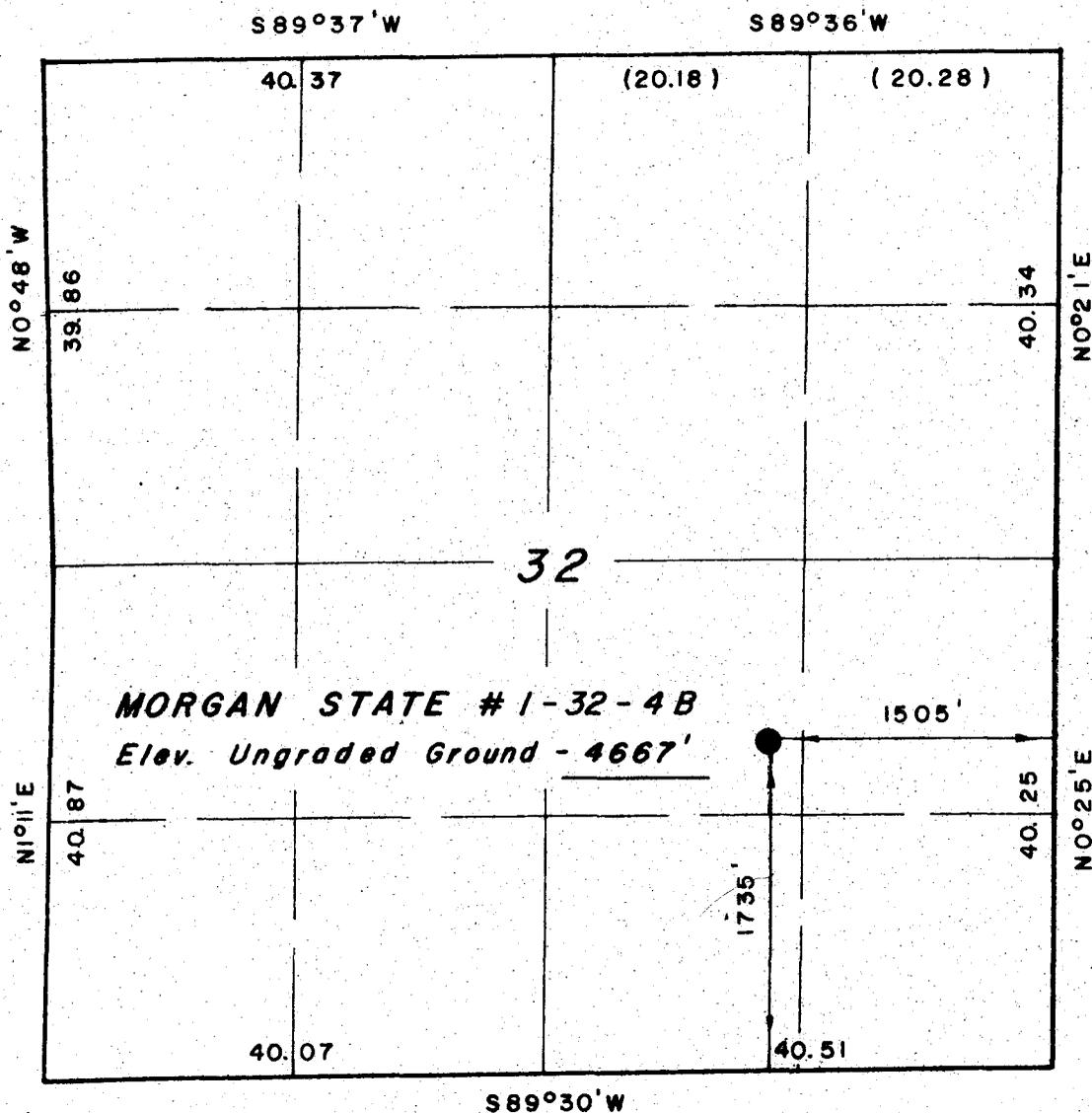
(This space for Federal or State office use)

PERMIT NO. 43-047-30728 APPROVAL DATE 6/16/80

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

T 8 S , R 21 E , S.L.B. & M



X = Section Corners Located

PROJECT
**GULF OIL EXPLORATION &
 PRODUCTION COMPANY**

Well location, *MORGAN STATE*
 N^o 1-32-4B, located as shown
 in the NW 1/4 SE 1/4 Section 32,
 T8S, R21E, S.L.B. & M. Uintah
 County, Utah.



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.

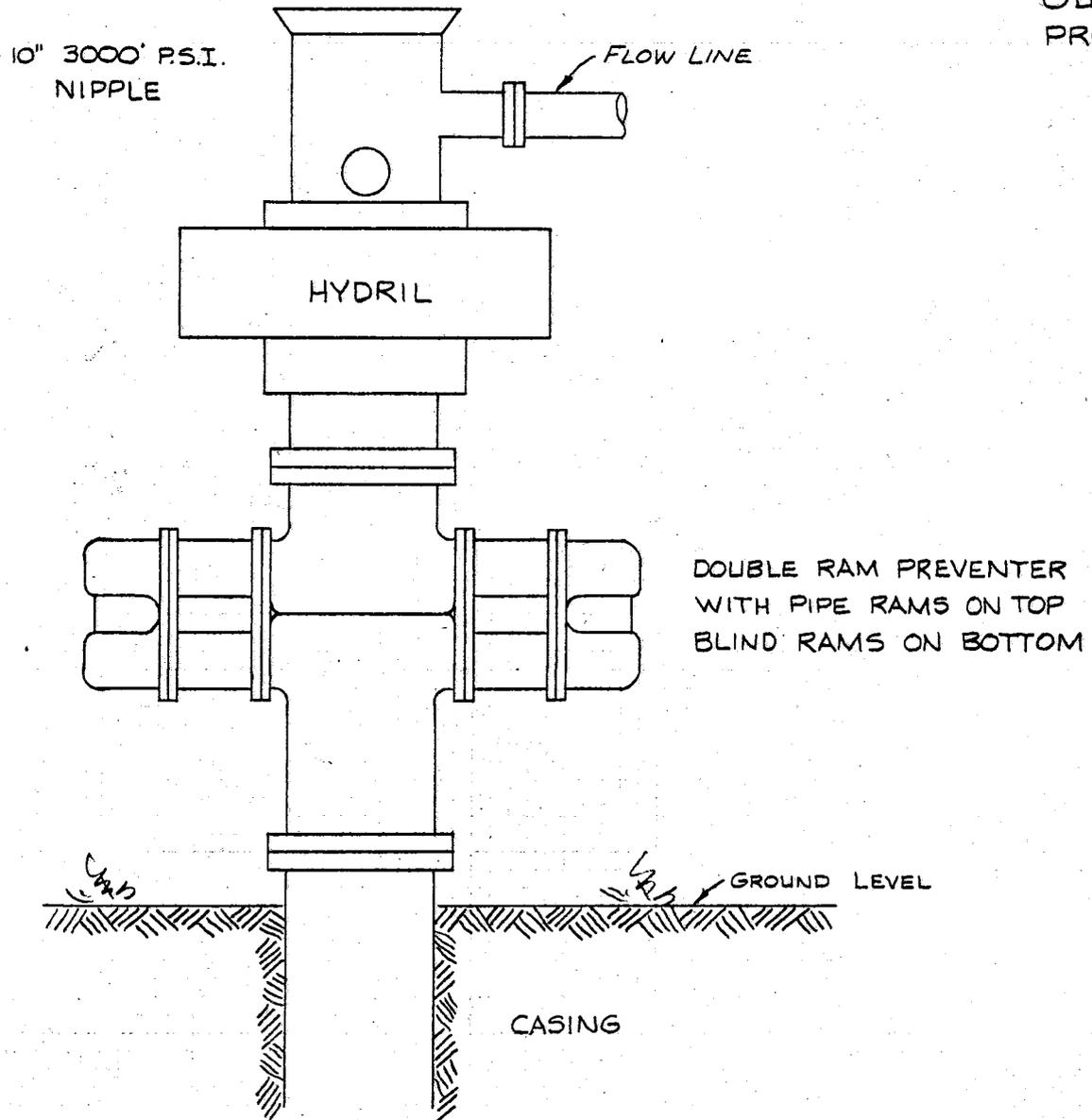
John J. ...
 REGISTERED LAND SURVEYOR
 REGISTRATION NO 2454
 STATE OF UTAH

UINTAH ENGINEERING & LAND SURVEYING
 P. O. BOX Q - 110 EAST - FIRST SOUTH
 VERNAL, UTAH - 84078

SCALE 1" = 1000'	DATE 6 / 5 / 80
PARTY R.K. D.B. D.A. A.W. S.B.	REFERENCES GLO Plat
WEATHER Clear & Hot	FILE GULF OIL

GULF OIL EXPLORATION &
PRODUCTION COMPANY

EXHIBIT "B"
B.O.P. STACK



Well Name: Gulf Fed, #1-32

Location: Sec. 32, T8S, R21E, S.L.B. & M.
Uintah County, State of Utah

1. GEOLOGIC SURFACE FORMATION

Tertiary Uinta Formation

2. ESTIMATED TOPS OF IMPORTANT GEOLOGIC MARKERS

TGR 1 Green River 0 - 1400'
TGR 2 Wasatch 6400'

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

Water 0 - 2000'
Oil & Gas 2000' - 6400' GR - 6400 - T.D. Wasatch Oil & Gas

4. PROPOSED CASING PROGRAM

(a) Surface Casing: 9 5/8" to 2000' 17# K55 Cement to Surface
(b) Production Casing: 5 1/2" to 6400' 36# K55 500 Sacks

5. MINIMUM SPECIFICATION FOR PRESSURE CONTROL

EXHIBIT "B" is a schematic diagram of the blowout preventer equipment. The BOP's will be hydraulically tested to the full working pressure after nipping up and after any use under pressure. Pipe rams will be operationally checked each 24 - hr. period, as will blind rams each time pipe is pulled out of the hole. Such checks of BOP will be noted on daily drilling reports.

Accessories to BOP include a kelly cock, floor safety valve, drill string BOP and choke manifold with pressure rating equivalent to the BOP stack.

6. TYPE AND CHARACTERISTICS OF THE PROPOSED CIRCULATION MUDS

0 - 2000' Fresh Water
2000' - T.D. Brine Water 9.2 to 10 pds per gallon 32 to 45 Viscosity
water loss 30 to 40

7. AUXILIARY EQUIPMENT TO BE USED

3000# WP Safety Valve, inside BOP, Upper Kelly Cock, mud monitoring equipment (See Exhibit "B") stabbing valve on floor pit totalizer.

8. TESTING, LOGGING AND CORING PROGRAMS

Test any Gas Flows in Wasatch Duction Electronic Logs T.D. Surface Pipe.
Other Logs determined at well site
Core not anticipated
Sand Frac in Wasatch

If production os obtained, producing formation will be selectively perforated and treated.

Well Name: Gulf Fed, #1-32

Location: Sec. 32, T8S, R21E, S.L.B.& M.

9. ANTICIPATED ABNORMAL PRESSURE OR TEMPERATURE

No abnormal pressure or temperature are anticipated.

10. ANTICIPATED STARTING DATE AND DURATION OF THE OPERATIONS

The anticipated * starting date is to be approximately or as soon as possible after examination and approval of drilling requirements. Operations should be completed within 90 days from spudding to rig release.

* Location Preparation Clearance requested as soon as possible pending possible winter restrictions.

GULF OIL EXPLORATION &
PRODUCTION COMPANY

13 Point Surface Use Plan

for

Well Location

Gulf-Morgan State Federal #1-32-4B

Located In

Section 32, T8S, R21E, S.L.B. & M.

Uintah County, Utah

GULF OIL EXPLORATION &
PRODUCTION COMPANY
Gulf-Morgan State Fed. #1-32-4B
Section 32, T8S, R21E, S.L.B. & M.

1. EXISTING ROADS

See attached Topographic Map "A".

To reach Gulf Oil Exploration & Production Company well location Gulf-Morgan State Fed. #1-32-4B, located in the NE $\frac{1}{4}$ SW $\frac{1}{4}$ Section 32, T8S, R21E, S.L.B. & M. Uintah County, Utah; proceed Westerly out of Vernal, Utah along U.S. Highway 40 - 14 miles to the junction of this highway and Utah State Highway 209; proceed South along Utah State Highway 209 - 7 miles more or less to the junction of this highway and the Utah State Highway 88; proceed South along the Utah State Highway 88 - 10 miles to Ouray, Utah; proceed South out of Ouray approximately 0.4 miles across the Green River, to the junction of this road and an existing Uintah County road to the East; proceed Easterly along this road approximately 5.5 miles to its junction with the proposed access road (to be discussed in Item #2).

The highways mentioned in the foregoing paragraph are bituminous surfaced roads to Ouray, Utah at which point the road is surfaced with native asphalt for approximately the first 4.4 miles of road used to reach the proposed location and then is a gravel surface to the aforementioned proposed access road.

The highways mentioned above are state administered and are maintained by their crews, and the county road mentioned above is maintained by county crews.

2. PLANNED ACCESS ROAD

See Topographic Map "B".

The planned access road leaves the existing road described in Item #1 in the SE $\frac{1}{4}$ NW $\frac{1}{4}$ Section 32, T8S, R21E, S.L.B. & M. and proceeds in a Southerly direction approximately 0.1 miles to the proposed location site.

This planned road traverses over relatively flat land with very little elevation change. It is not anticipated that the grade of this road will be more than 4%, however, the maximum grade will not exceed 8%. The vegetation along this road consist of sagebrush, grasses and cacti, with large amounts of bare earth devoid of any vegetation.

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

The 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 normal meteorological conditions that are prevalent to this area.

Back slopes along the cut areas of the road will be 1 $\frac{1}{2}$ to 1 slopes and terraced.

GULF OIL EXPLORATION
PRODUCTION COMPANY

Gulf-Morgan State Federal #1-32-4B
Section 32, T8S, R21E, S.L.B. & M.

2. PLANNED ACCESS ROAD - cont...

There will be no culverts required along this road. It is not anticipated at this time that there will be any turnouts required along this road, however, if at the time of the onsite inspection it is determined that a turnout is necessary it will be installed according to the specifications found in the Oil and Gas Surface Operating Manual.

There are no fences encountered along this road, there will be no cattleguards or gates required.

All of the lands involved in this action are under B.L.M. jurisdiction.

3. LOCATION OF EXISTING WELLS.

See Topographic Map "B".

There are three existing gas wells within a one-mile radius of this location site.

There are no known water wells, abandoned wells, disposal wells, drilling wells, shut-in wells, injection wells, monitoring or observation wells for other resources within a one-mile radius of this location site.

4. LOCATION OF EXISTING AND PROPOSED FACILITIES

There are no other Gulf Oil Exploration & Production Company tank batteries, production facilities, oil gathering lines, gas gathering lines, injection lines or disposal lines within a one-mile radius of this location site.

In the event production is established; the produced fluids will be contained within temporary storage facilities until plans can be made and submitted to the appropriate authorities for distribution of the produced product.

The area to be used in the containment 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.

These facilities will be constructed using bulldozers, graders, and workman crews to construct and place the proposed facilities.

If there is any deviation from the above, all appropriate agencies will be notified.

Rehabilitation of disturbed areas no longer needed for operations after construction is completed will meet the requirements of Item #10.

5. LOCATION AND TYPE OF WATER SUPPLY

See Topographic Map "B".

Water to be used in the drilling of this well will be hauled from the Green River near the junction of the Watson Road and Highway 88, in Sec. 33, T8S, R20E, S.L.B. & M. This water will be hauled by truck over existing roads + 5.4 miles to the location site.

There will be no water well drilled at this location site.

6. SOURCE OF CONSTRUCTION MATERIAL

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.

The native materials that will be used in the construction of this location site and access road will consist of sandy-clay soil and sandstone and shale material gathered during the actual construction of the road and location.

7. METHODS FOR HANDLING WASTE DISPOSAL

A Reserve pit will be constructed.

The reserve pit will vary in size and depth according to the water table at the time of drilling.

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 domestic animals.

At the onset of drilling, the 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.

7. METHODS OF HANDLING WASTE DISPOSAL - cont...

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 of Item #10 will be followed.

A portable trash basket will be placed on the location site and all trash will be hauled to the nearest Sanitary Landfill.

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 B.L.M. Representative shall 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 them 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, all topsoil shall be stripped and stockpiled. (See Location Layout Sheet and Item #9). When all drilling and production activities have been completed, the location site will be reshaped to the original contour and 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 the trash pit shall be buried with a minimum of 5' of cover.

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

10. PLANS FOR RESTORATION OF SURFACE - cont...

When Restoration activities have been completed, the location site shall be reseeded with a seed mixture recommended by the B.I.A. Representative when the moisture content of the soil is adequate for germination. The Lessee further covenants and agrees that all of said clean-up 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 a large basin formed by the Uinta Mountains to the North and the Book Cliff Mountains to the South. The White River is located approximately 4000' to the South of the location site.

The basin floor is interlaced with numerous canyons and ridges formed by the non-perennial streams of the area. The sides of these canyons are steep and ledges formed in the sandstone, conglomerates, and shale deposits are extremely common to the area.

The geologic structures of the area that are visible are of the Uinta Formation (Eocene Epoch) Tertiary Period in the upper elevations and the cobblestone and younger alluvial deposits from the Quaternary Period.

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

The topsoils in the area range from a light brownish-gray sandy-clay (SM-ML) type soil with poorly graded gravels 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 rainstorms of long duration which are extremely rare as the annual rainfall in the area is only 8".

The White River to the South of this location is the only perennial stream that is affected by this location site.

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; it consists of areas of sagebrush, rabbitbrush, some grasses, and cacti as the primary flora. This is also true of the lower elevations.

The fauna of the area consists predominantly of the mule deer, pronghorn antelope, 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 domestic sheep and cattle.

GULF OIL EXPLORATION
PRODUCTION COMPANY
Gulf-Morgan State Federal #1-32-4B
Section 32, T8S, R21E, S.L.B. & M.

11. OTHER INFORMATION - cont...

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

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

Gulf-Morgan State Fed. #1-32-4B is located on a relatively flat plateau area which slopes gradually to the Northeast at approximately a 2% grade to the Watson Road.

The vegetation in the immediate area surrounding the location site consists of grasses and sparse amounts of sagebrush.

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

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 OPERATOR'S REPRESENTATIVE

Emmitt Booher
Gulf Oil Exploration & Production Company
P.O. Box 2619
Casper, WY 82601

Tele: 1-307-235-1311 789-0129

13. CERTIFICATION

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

Date

May 27, 1980

Emmitt C. Booher
Emmitt Booher

GULF OIL EXPLORATION & PRODUCTION COMPANY

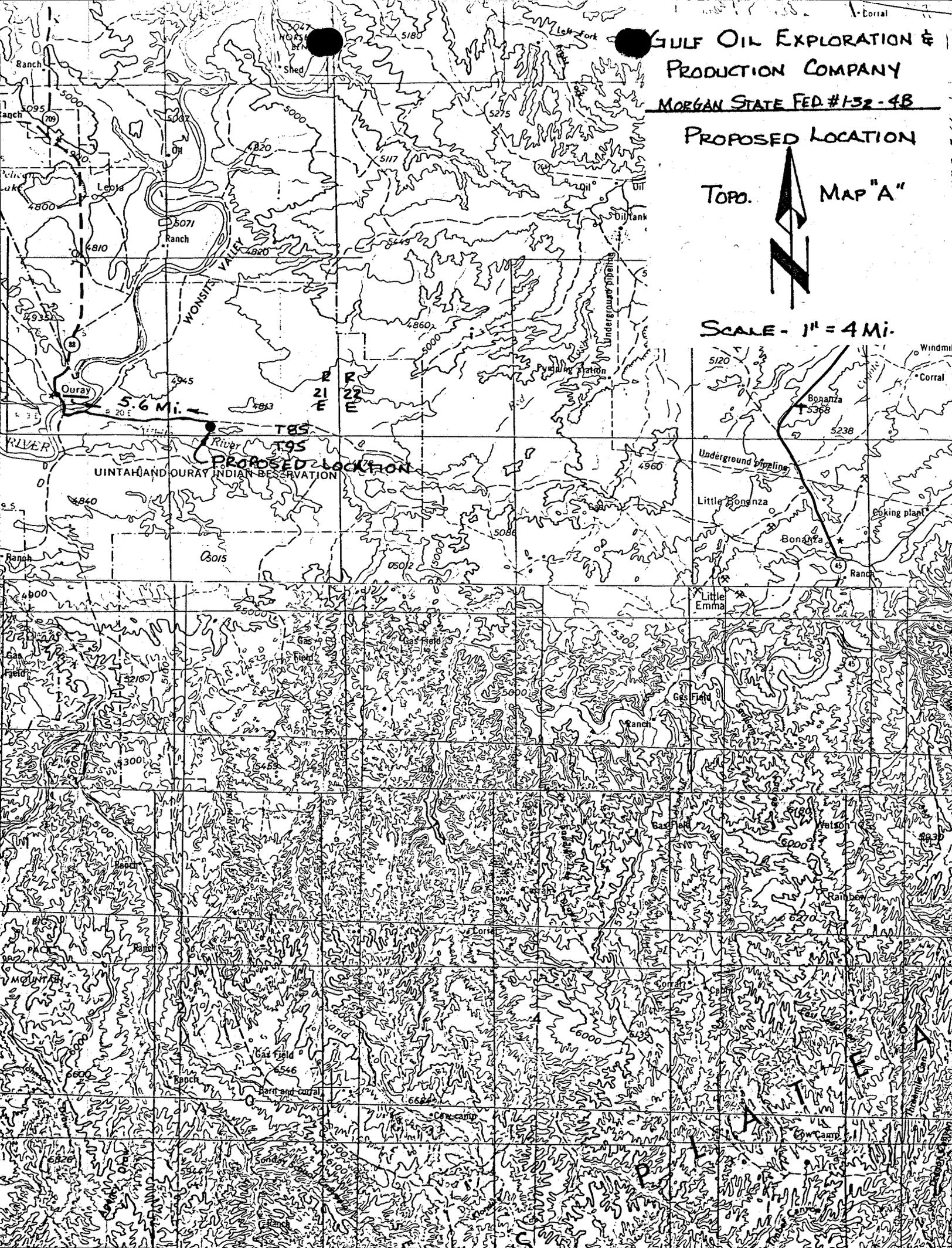
MORGAN STATE FED #152-4B

PROPOSED LOCATION

TOPO. MAP "A"

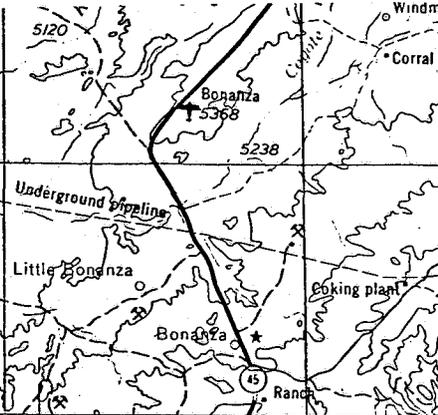


SCALE - 1" = 4 Mi.



PROPOSED LOCATION

UINTAH AND OURAY INDIAN RESERVATION



OURAY NATIONAL
WILDLIFE REFUGE

GULF OIL EXPLORATION &
PRODUCTION COMPANY

MORGAN STATE FED #1-32-48

PROPOSED LOCATION

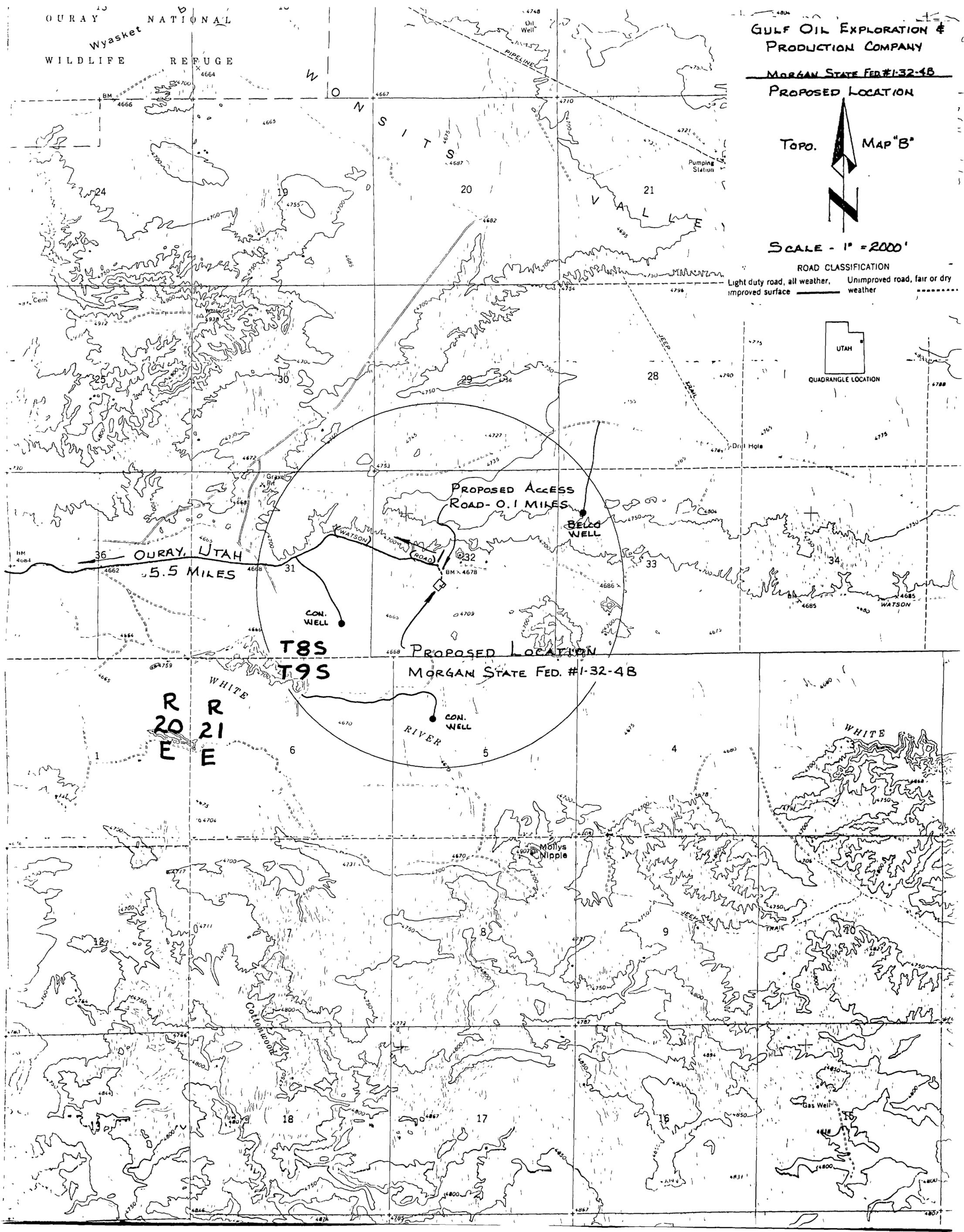
TOPO. MAP "B"



SCALE - 1" = 2000'

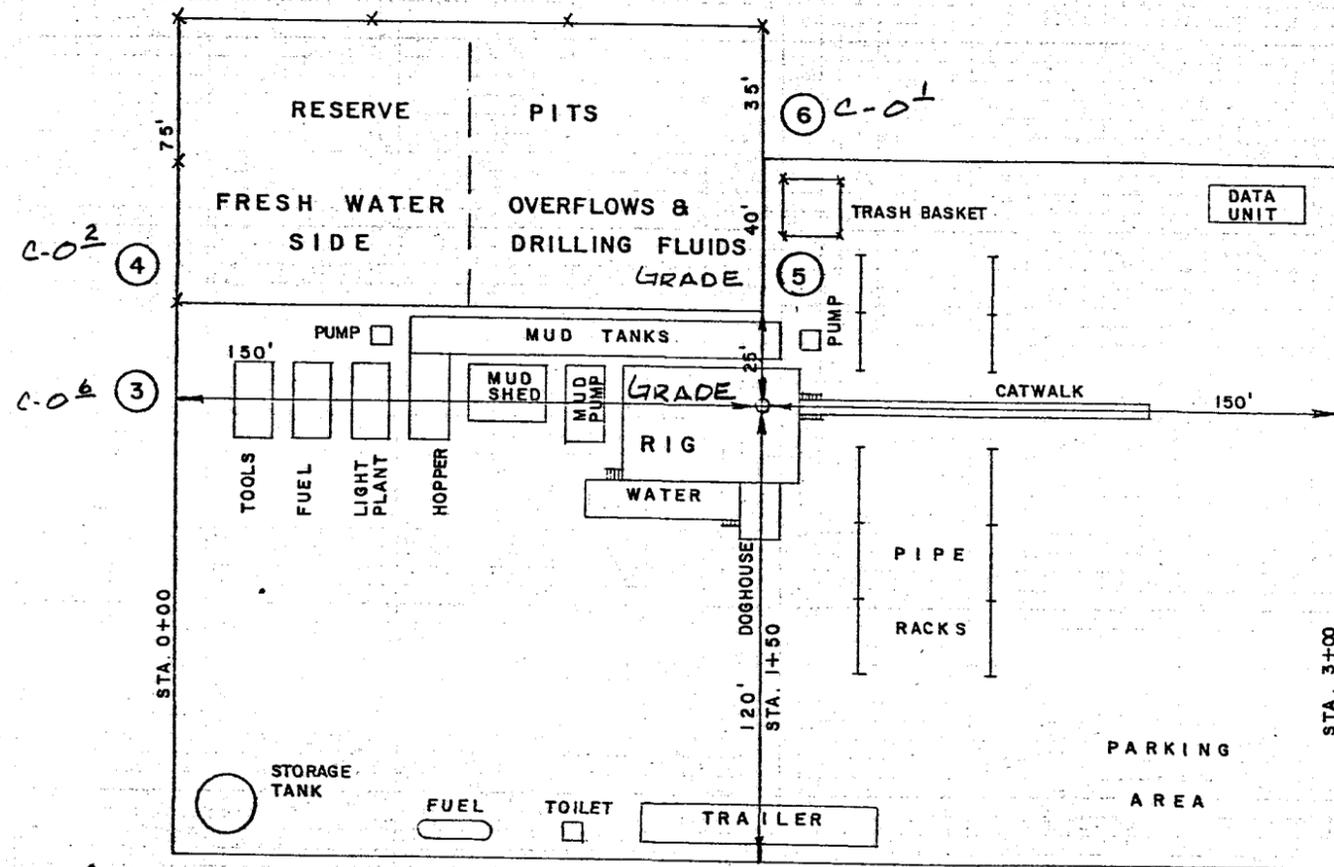
ROAD CLASSIFICATION

Light duty road, all weather, improved surface Unimproved road, fair or dry weather

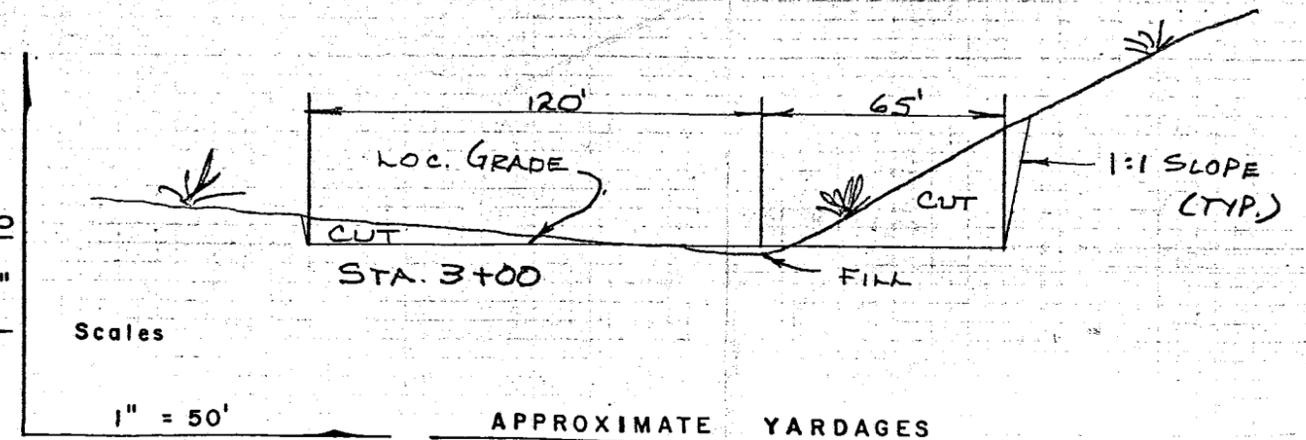
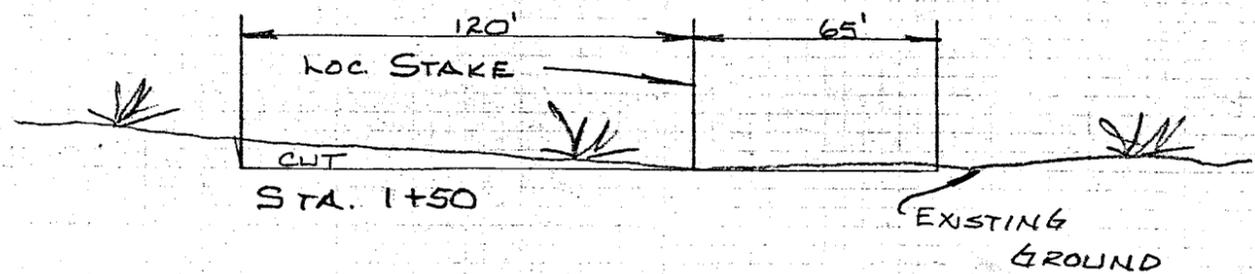
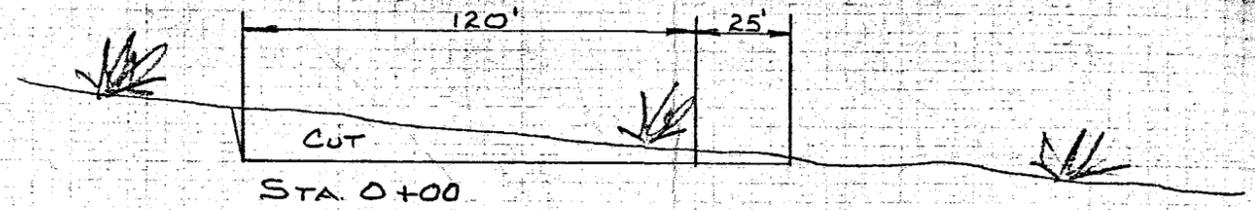


GULF OIL EXPLORATION & PRODUCTION COMPANY

MORGAN STATE FED. #1-32-4B



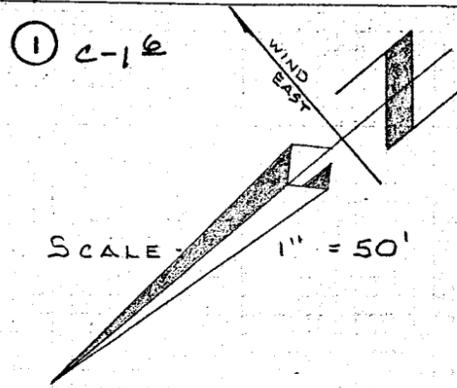
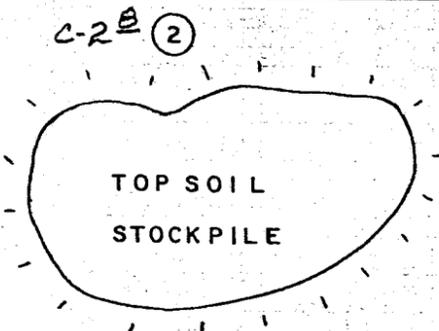
C
R
O
S
S
S
E
C
T
I
O
N
S



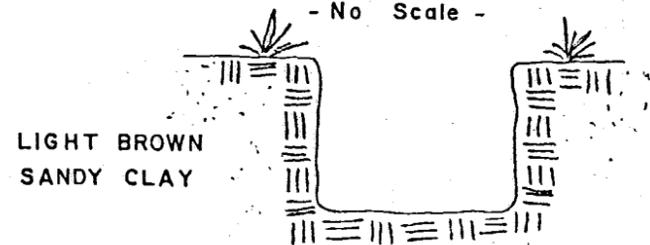
APPROXIMATE YARDAGES

Cubic Yardage of Cut - 1,986

Cubic Yardage of Fill - 6



SOILS LITHOLOGY
- No Scale -



** FILE NOTATIONS **

DATE: May 28, 1980
OPERATOR: Gulf Oil Exploration
WELL NO: Morgan State # 1-32-4B
Location: Sec. 32 T. 8S R. 21E County: Wintah

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

API Number 43-047-30728

CHECKED BY:

Petroleum Engineer: M. S. Minder 6-16-80
Will change location to conform with order 173-2 per call to
Ed. Matthews (6-4-80)

Director: _____

Administrative Aide: _____

APPROVAL LETTER:

Bond Required: Survey Plat Required:
Order No. 173-2 4/25/79 O.K. Rule C-3

Rule C-3(c), Topographic Exception - company owns or controls acreage within a 660' radius of proposed site

#X3

Lease Designation State Plotted on Map

Hot Line Approval Letter Written Wms
P.I.

9/3/80
called John Walsh
concern

Carroll - This application
Gulf will join Conoco in
the Conoco State

June 18, 1980

Drilling
32-21

UBA

Gulf Oil Exploration and
Production Company
P.O. Box 2619
Casper, Wyoming 84601

Re: Well No. Morgan State #1-32-4B
Sec. 32, T. 8S, R. 21E.,
Uintah County, Utah

Insofar as this office is concerned, approval to drill the above
referred to gas well is hereby granted in accordance with the Order issued
in Cause No. 173-2 dated April 25, 1979.

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

MICHAEL T. MINDER - Petroleum Engineer
Office: 533-5771
Home: 876-3001

Enclosed please find Form OGC-8-X, which is to be completed whether
or not water sands (aquifers) are encountered during drilling. Your
cooperation in completing this form will be appreciated.

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 43-047-30728.

Sincerely,

DIVISION OF OIL, GAS AND MINING

Michael T. Minder
Petroleum Engineer

/b:tm

cc: Donald Prince