

FILE NOTATIONS

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

Checked by Chief
Approval Letter
Disapproval Letter

COMPLETION DATA:

Date Well Completed 10/30/78

..... 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.....
BHC Sonic GR..... Lat..... MI-L.....
CBLog..... CCLog..... Others.....

Plugged & Abandoned 10/30/78

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

5. LEASE DESIGNATION AND SERIAL NO.
U-0132568-A

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

7. UNIT AGREEMENT NAME
NATURAL BUTTES UNIT

8. FARM OR LEASE NAME
NATURAL BUTTES

9. WELL NO.
CIGE-17-29-10-22

10. FIELD AND POOL, OR WILDCAT
BITTER CREEK FIELD

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA.
Sec. 29, T10S, R22E

12. COUNTY OR PARISH
UINTAH

13. STATE
UTAH

17. NO. OF ACRES ASSIGNED TO THIS WELL
N/A

20. ROTARY OR CABLE TOOLS
ROTARY

22. APPROX. DATE WORK WILL START*
October 1, 1978

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
CIG EXPLORATION, INC.

3. ADDRESS OF OPERATOR
P. O. BOX 749, DENVER, CO 80201

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*
At surface
1404' FWL & 1546' FNL, Section 29, T10S, R22E
At proposed prod. zone
SAME AS ABOVE *SE NW*

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
Approximately 15 miles SE of Ouray, Utah

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) of NW/4
226' FNL of SE/4

16. NO. OF ACRES IN LEASE
560

17. NO. OF ACRES ASSIGNED TO THIS WELL
N/A

18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.
N/A

19. PROPOSED DEPTH
6700'

20. ROTARY OR CABLE TOOLS
ROTARY

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
5360' Ungr. Gr.

22. APPROX. DATE WORK WILL START*
October 1, 1978

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12-1/4"	9-5/8"	36#	200'	125 SX
7-7/8"	4-1/2"	11.6#	6700'	CIRCULATE CEMENT BACK TO SURFACE

FRESH WATER AQUAFERS WILL BE PROTECTED WHEN THE LONG STRING IS RUN AND CEMENT IS CIRCULATED TO SURFACE.

SEE ATTACHED SUPPLEMENTS FOR FURTHER INFORMATION:

- (1) 10-POINT PROGRAM
- (2) BOP SCHEMATIC
- (3) 13-POINT PROGRAM
- (4) PLAT

APPROVED BY THE DIVISION OF OIL, GAS, AND MINING

DATE: 8-18-78

BY: C. S. Feight

GAS WELL PRODUCTION HOOKUP TO FOLLOW ON SUNDRY NOTICE.

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 JR Midkiff TITLE DISTRICT SUPERINTENDENT DATE August 11, 1978
F. R. MIDKIFF

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY _____ TITLE _____ DATE _____

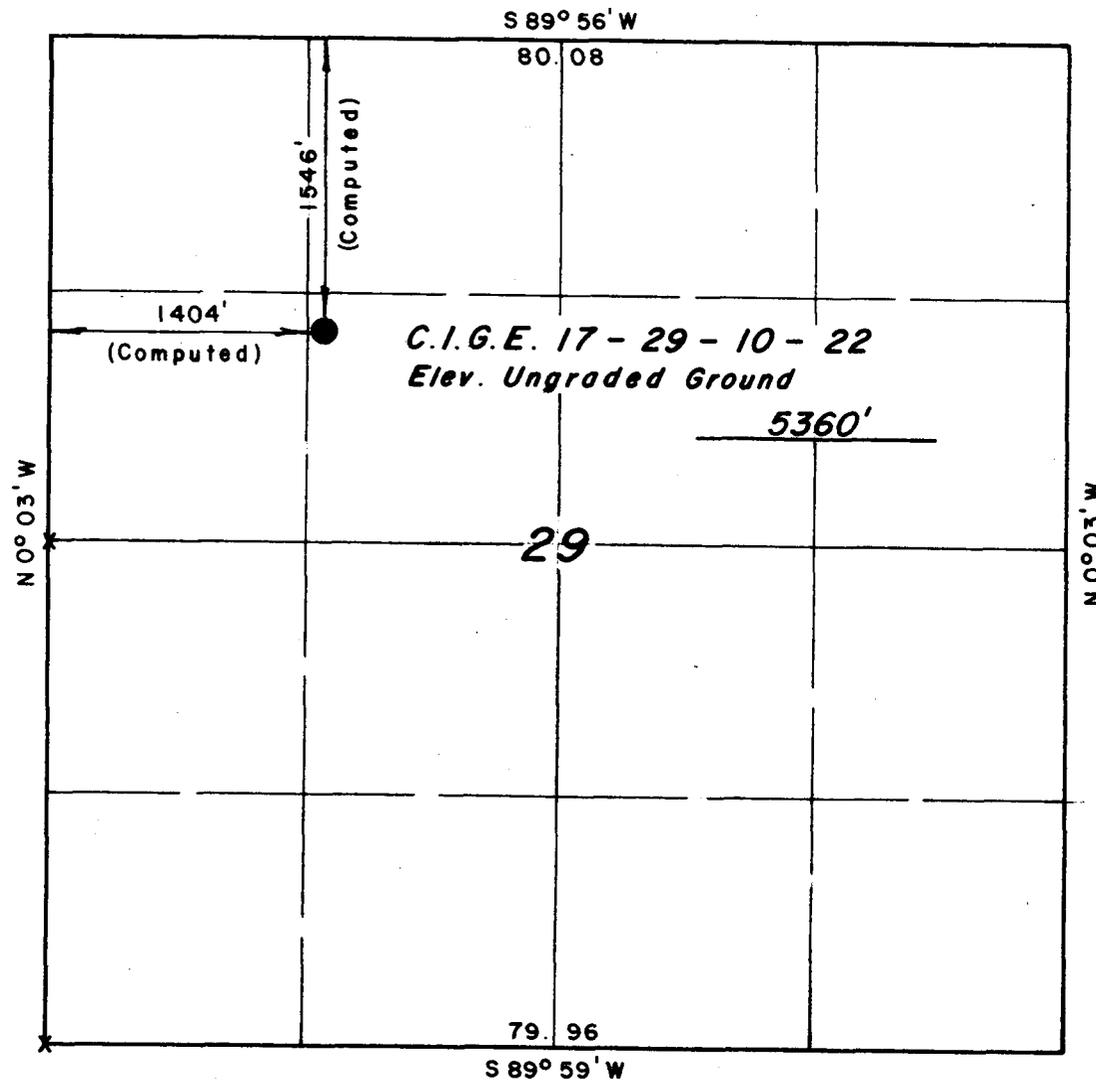
CONDITIONS OF APPROVAL, IF ANY:

T 10 S, R 22 E, S.L.B.&M.

PROJECT

C.I.G. EXPLORATION, INC.

Well location, C.I.G.E. 17-29-10-22,
located as shown in the SE 1/4 NW 1/4
Section 29, T10S, R 22 E, 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.

Jane Stewart

REGISTERED LAND SURVEYOR
REGISTRATION NO 3154
STATE OF UTAH

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

SCALE - 1" = 1000'	DATE 8 / 2 / 78
PARTY M.S. M.W. BFW	REFERENCES GLO Plat
WEATHER Fair	FILE C.I.G.E.

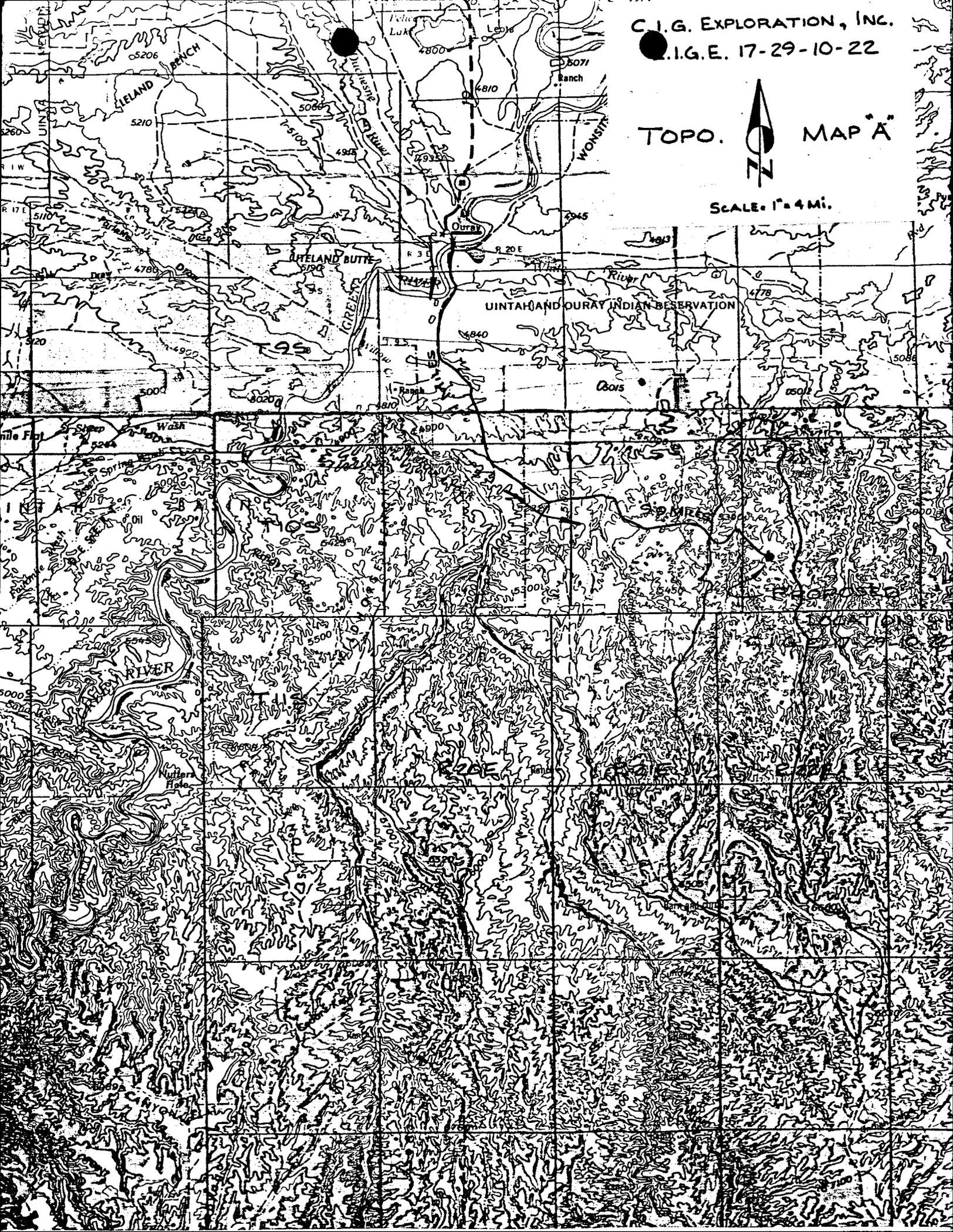
X = Section Corners Located

C.I.G. EXPLORATION, INC.
C.I.G.E. 17-29-10-22

TOPO. MAP A



SCALE: 1" = 4 Mi.



10-POINT PROGRAM

1. Geologic name of surface formation:

UINTA

2. The estimated tops of important geologic markers:

GREEN RIVER	875'
WASATCH	4175'

3. The estimated depths at which anticipated water, oil, gas are expected to be encountered:

WASATCH - 4175' - GAS

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

9-5/8", 36#, K-55, ST&C - New
4-1/2", 11.6#, N-80, LT&C - New

5. The Operators' minimum specifications for pressure control equipment which is to be used, a schematic diagram thereof showing sizes, pressure ratings, and testing procedures and testing frequency:

Bottom:	3000# BOP W/4-1/2" pipe rams
	3000# BOP W/blind rams
	3000# Hydril

Top:	Grant rotating head
------	---------------------

Manifold includes appropriate valves, positive and adjustable chokes and kill line to control abnormal pressures.

BOP's will be tested at installation and will be cycled on each trip.

6. The type and characteristics of the proposed circulating medium to be employed for rotary drilling and the quantities and types of mud and weighting material to be maintained:

6. Continued --

The well will be drilled with fresh water from surface to 3950' with a weight of 8.4 to 9.2 . From 3950' to TD the well will be drilled with gel chem mud with a weight from 9.2 to 10.0 . Sufficient weighting material (barite) will be on location to increase the mud weight if abnormal pressure is encountered.

7. The auxiliary equipment to be used:

- a. kelly cock
- b. monitoring equipment on the mud system
- c. a sub on the floor with a full opening valve to be stabbed into the drill pipe when the kelly is not in the string.

8. The testing, logging and coring program to be followed:

No DST's are planned
No cores are expected to be cut.

Logs: DIL
Compensated Neutron-Densilog

9. Any anticipated abnormal pressures or temperatures expected to be encountered:

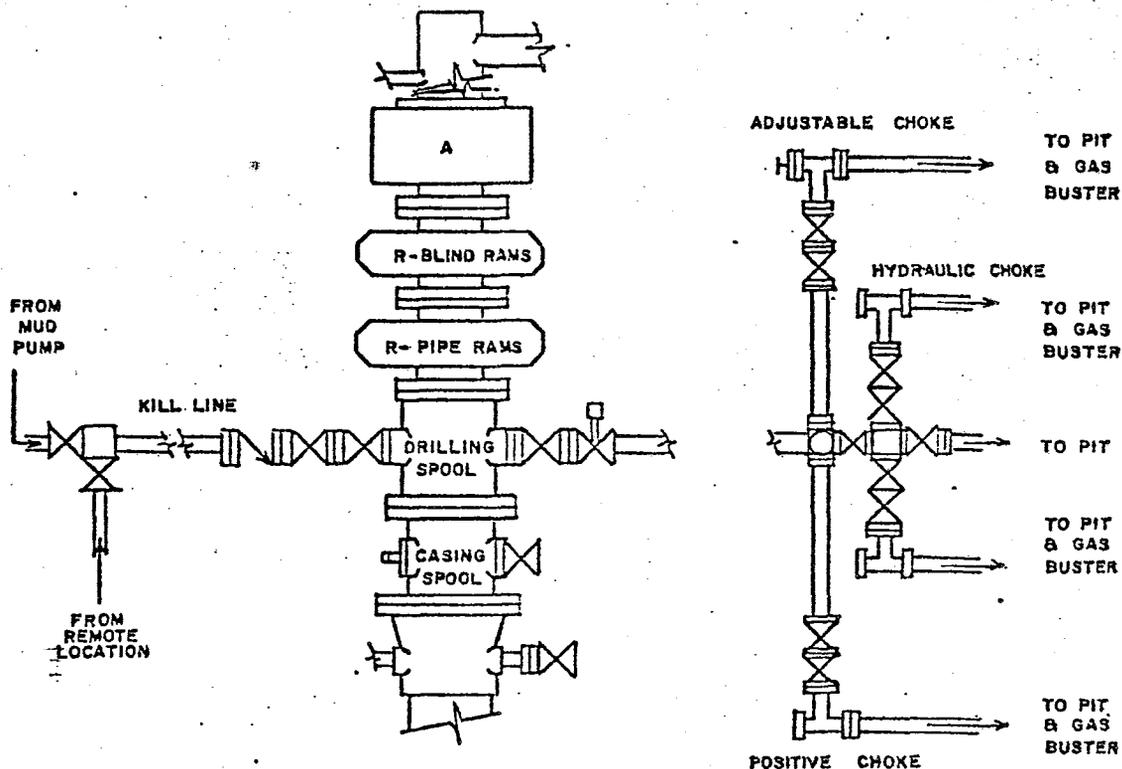
No abnormal pressures or temperatures expected
No hydrogen sulfide expected

10. The anticipated starting date and duration of the operation:

October 1, 1978 through October 31, 1978.

3000 psi

psi Working Pressure BOP's



Test Procedure

- 1) Flush BOP's and all lines to be tested with water.
- 2) Run test plug on test joint and seat in casing head (leave valve below test plug open to check for leak).
- 3) Test the following to rated pressure:
 - a) inside blowout preventer
 - b) lower kelly cock
 - c) upper kelly cock
 - d) stand pipe valve
 - e) lines to mud pump
 - f) kill line to BOP's
- 4) Close and test pipe rams to rated pressure.
- 5) Close and test Hydril to rated pressure.
- 6) Back off and leave test plug in place. Close and test blind rams to rated pressure.
- 7) Test all choke manifold valves to rated pressure.
- 8) Test kill line valves to rated pressure.

CIG EXPLORATION INCORPORATED

13 Point Surface Use Plan

for

Well Location

CIGE 17-29-10-22

Located In

Section 29, T10S, R22E, S.L.B. & M.

Uintah County, Utah

1. EXISTING ROADS

See attached Topographic Map "A".

To reach CIG Exploration Incorporated, well location CIGE 17-29-10-22 located in the SE 1/4 NW 1/4 Section 29, T10S, R22E, 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 road and Utah State Highway 209; proceed South along Utah State Highway 209, 7 miles more or less to the junction of this Highway and Utah Highway 88; proceed South along Utah State Highway 88-10 miles to Ouray, Utah proceed on South along county road know as the Seep Ridge road + 11 miles to its junction with an oil field service road to the East; proceed Easterly along this road + 9 miles to its junction with a road to the Northeast; proceed on Easterly along this road + 0.9 miles to the road proposed location site.

The Highways mentioned in the foregoing paragraph are bituminous surfaced roads to Ouray, Utah at which point the County road is surfaced with native asphalt for + 4 miles and then is a gravel surface to the aforementioned service roads.

The aforementioned dirt oil field service roads and other roads in the vicinity are constructed out of existing native materials that are prevalent to the existing areas they are located in and range from clays to a sandy-clay shale material.

There is no anticipated construction on any portion of the above described roads. They will meet the necessary standards required to facilitate an orderly flow of traffic during the drilling phase and production phase of this well at such time that the production is established.

The roads that are required for access during the drilling phase, completion phase, and production phase of this well, will be maintained at the standards required by the B.L.M. or other controlling agencies.

2. PLANNED ACCESS ROAD

See Topographic Map "B".

There will be no planned access road, the existing road goes to the proposed location site.

3. LOCATION OF EXISTING WELLS

There are other wells within a one mile radius of this well, for exact location of this well within Section 29, T10S, R22E, S.L.M. & M,. see the location plat.

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

At the present time there are no other CIG Exploration Incorporated batteries, production facilities, oil gathering lines, gas gathering lines, injection and disposal lines within a one-mile radius.

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

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

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 proposed gas flowline will be an 18' right of way which will run in a Northeasterly direction approximately 9500' to an existing well, Natural Buttes # 30 located in the SW 1/4 Section 16, T10S, R22E, S.L.B. & M. (See Topographic Map "B").

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

5. LOCATION OF AND TYPE OF WATER SUPPLY

Water to be used for the drilling and production of this well will be hauled from the White River at an existing loading ramp in the NW 1/4 Section 11, T10S, R22E, S.L.B. & M., approximately 5.9 road miles to the East from the proposed location and will be hauled over existing oil field roads and the proposed access road.

In the event that the above source is not used, the water will be hauled by truck utilizing the roads described in Item #1 and #2, from the White River South of Ouray, Utah a distance of 18.9 road miles.

All regulations and guide lines will be followed and no deviations will be made unless all concerned agencies are notified.

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.

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

7. METHODS FOR HANDLING WASTE DISPOSAL

A reserve and burn pit shall be constructed, and at least half of the depth of the reserve pit shall be below the existing ground surface. All trash and flammable materials will be burned in the burn pit. Non-flammable

7 METHODS FOR HANDLING WASTE DISPOSAL - continued

materials such as cuttings, salts, chemicals, etc., will be buried in the reserve pit and covered with a minimum of four feet of earth material. Prior to the onset of drilling, the burn pit will be fenced on all four sides with a net wire, and the reserve pit will be fenced on three sides. Upon completion of drilling the fourth side of the reserve pit will be fenced and allowed to dry completely before backfilling and reclamation are attempted. 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 attached Location Layout Sheet.

The B.L.M. District Manager shall be notified before any construction begins on the proposed location site and road.

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 of 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, 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 and access road will be reshaped to the original contour and stockpile topsoil spread over the disturbed area. 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 4' of cover. The reserve pit will be completely fenced and allowed to dry before covering. When restoration activities have been completed, the location site and access ramp shall be reseeded with a seed mixture recommended by the B.L.M. 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").

11. OTHER INFORMATION - continued

The area slopes from the rim of the Book Cliff Mountains to the South to the White River to the North, and is a portion of the Roan Plateau. The area is interlaced with numerous canyons and ridges which are extremely steep with numerous ledges formed in sandstones, conglomerates, and shale deposits.

The majority of the washes and streams in the area are non-perennial in nature with the only two in the area having a year round flow being Willow Creek to the West and the White River to the North, of which the numerous washes, draws and Non-perennial streams are tributaries to the White River.

The majority of surrounding drainages are of a non-perennial nature with normal flow limited to the early spring run-off and extremely rare heavy thunderstorms, or rain storms of high intensity that lasts over an extended period of time and are extremely rare in nature as the normal annual precipitation is only 8".

All drainages in the immediate area are non-perennial streams and flow to the North and are tributaries to the White River.

The soils of this semi-arid area are of the Uinta Formation and Duchesne River Formation (the Fluvial Sandstone and Mudstone) from the Eocene Epoch and Quaternary Epoch (gravels surfaces) and the visible geologic structure consists of light brownish-gray clays (OL) to sandy soils (SM-ML) with poorly graded gravels and shales with outcrops of rock (sandstone, mudstone, conglomerates, and shales).

Due to the low precipitation average, climatic 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 in the lower elevations of the Uinta Basin. It consists of, as primary flora, areas of sagebrush, rabbitbrush, some grasses, and cacti, and large areas of bare soils devoid of any growth in the areas away from and in the vicinity of non-perennial streams and along the areas that are formed along the edges of perennial streams, cottonwoods, willows, tamarack, sagebrush, rabbitbrush, grasses and cacti can be found.

The fauna of the area is sparse and consists predominantly of the mule deer, coyotes, pronghorn antelope, rabbits, and varieties of small ground squirrels and other types of rodents, and various reptiles common to the area.

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

The area is used by man for the primary purpose of grazing domestic livestock.

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

CIGE 17-29-10-22 location site sits on a relatively flat area over a small wash which drains to the North into Sand Wash, and then into the Annually flowing White River.

CIG Exploration Incorporated
CIGE 17-29-10-22

Section 29. T10S, R22E, S.L.B. & M

11. OTHER INFORMATION - continued

The geologic structure of the location is of Uinta Formation and consists of light brownish-gray sandy clay (SP-CL) with some sandstone outcrops.

The ground slopes from the East Southeast through the location to the West Northwest at approximately 5% grade.

The location is covered with some sagebrush and grasses.

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 "A").

12. LESSEE'S OPERATOR'S REPRESENTATIVE

Frank R. Midkiff
CIG Exploration Incorporated
P.O. Box 749
Denver, Colorado 80201

TELE: 1-303-572-1121

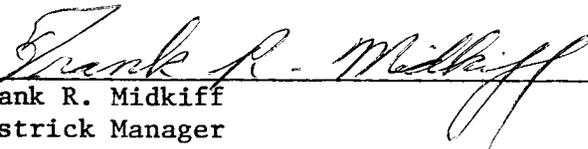
13. CERTIFICATION

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 CIG Exploration Incorporated and its contractors and sub-contractors in conformity with this plan and terms and conditions with this plan and the terms and conditions with which it is approved.

DATE

8/15/78

Frank R. Midkiff
District Manager

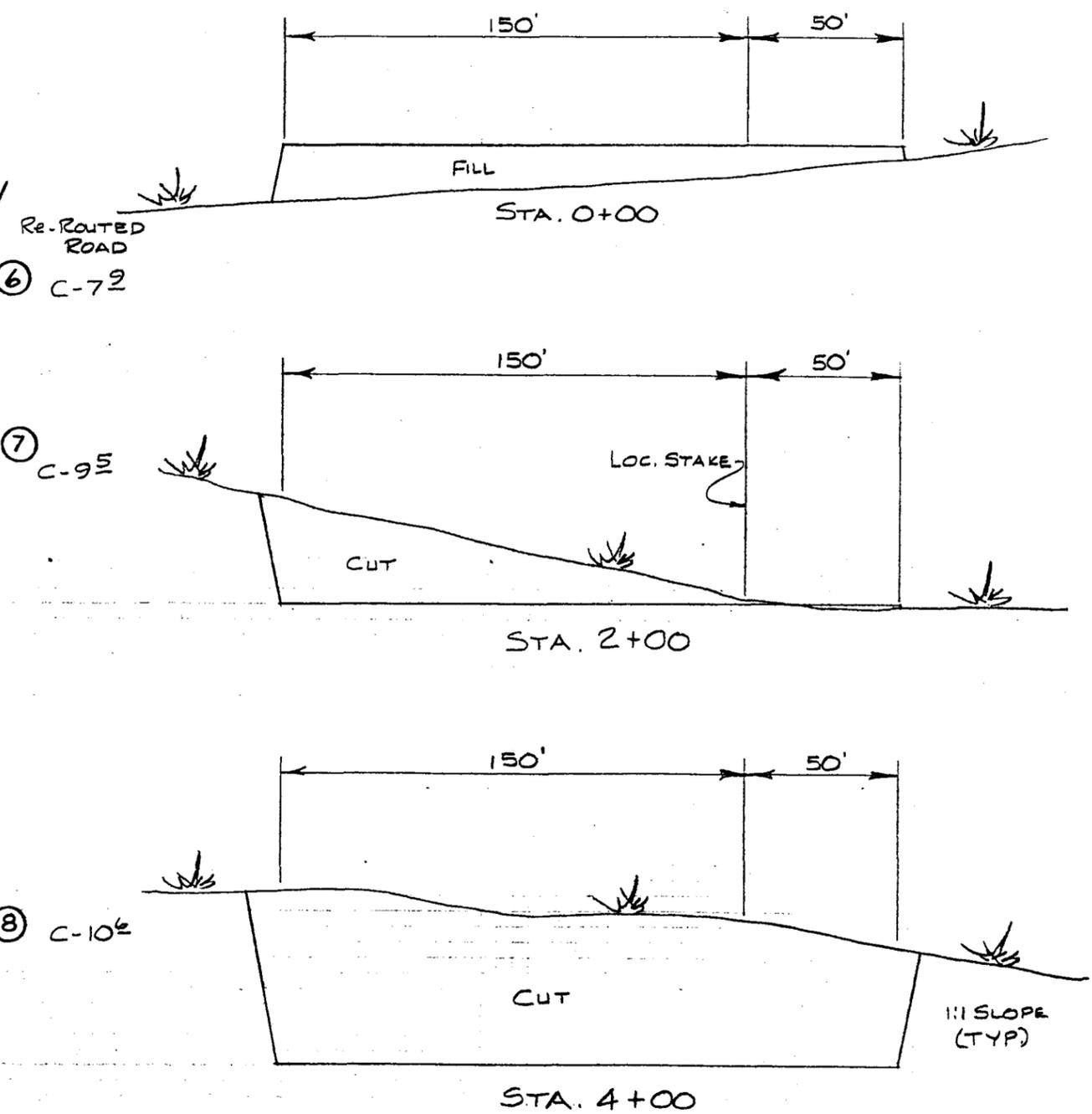
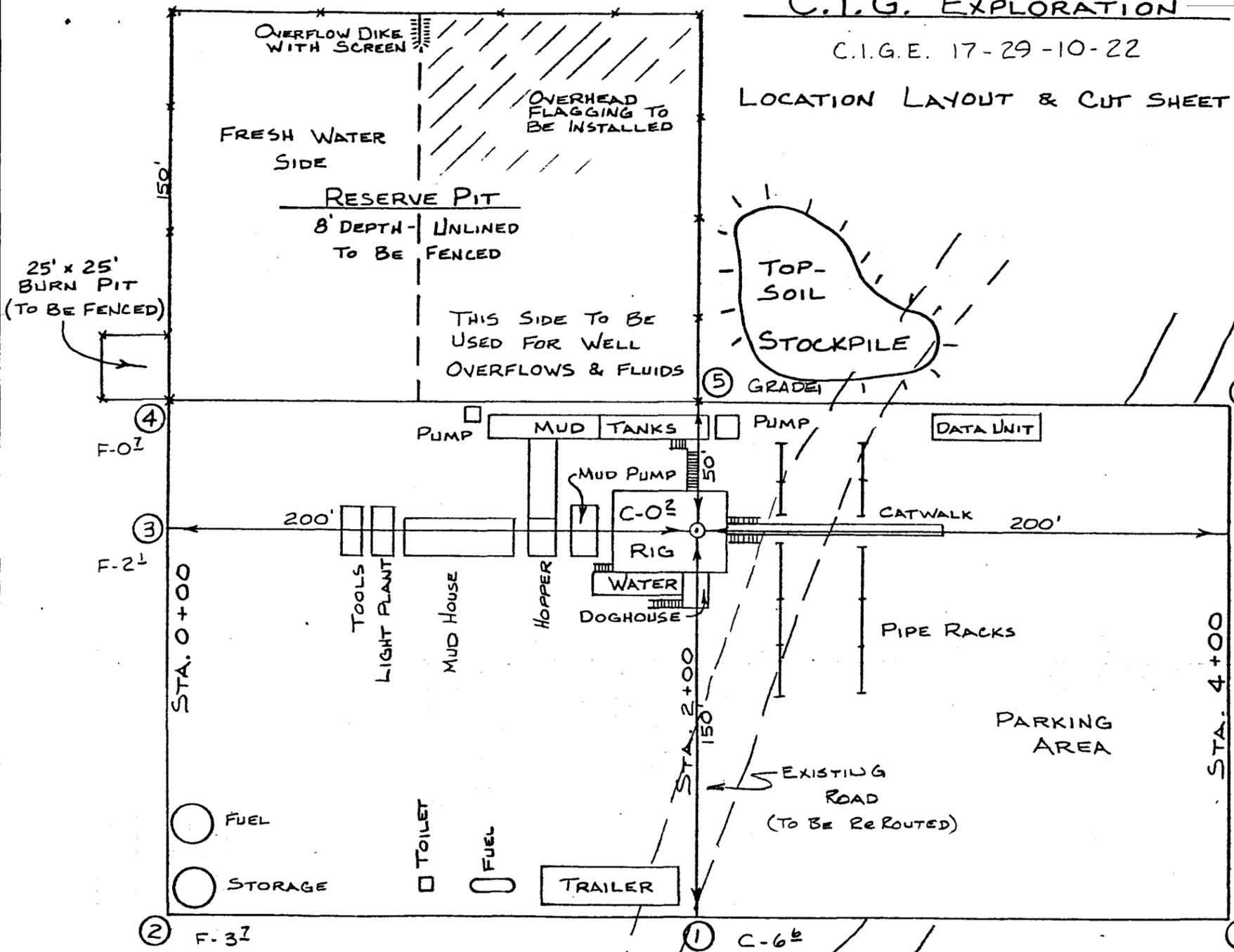


C.I.G. EXPLORATION

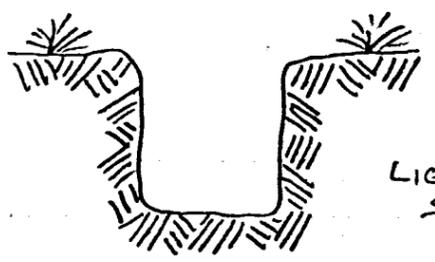
C.I.G.E. 17-29-10-22

LOCATION LAYOUT & CUT SHEET

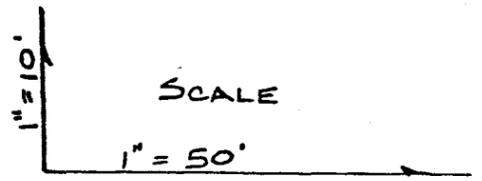
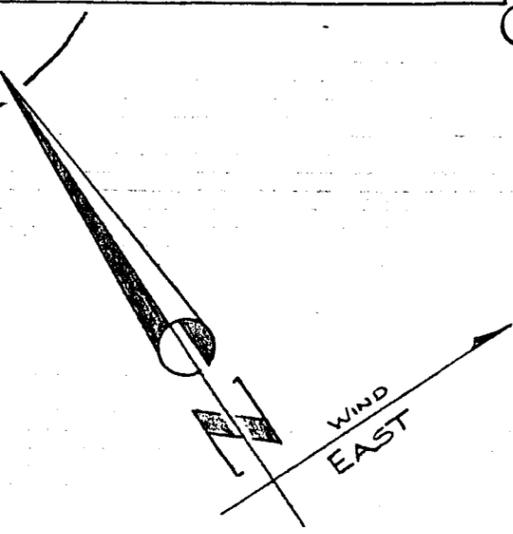
CROSS SECTIONS



SOILS LITHOLOGY
- NO SCALE -



LIGHT TAN-GRAY - SANDY CLAY



APPROX. YARDAGES
CUT 11,490 CU. YDS.
FILL 1,918 CU. YDS.

BITTER CREEK GAS FIELD

C.I.G. EXPLORATION, INC. LLC

C.I.G.E 17-29-10-22

TOPO. MAP 'B'



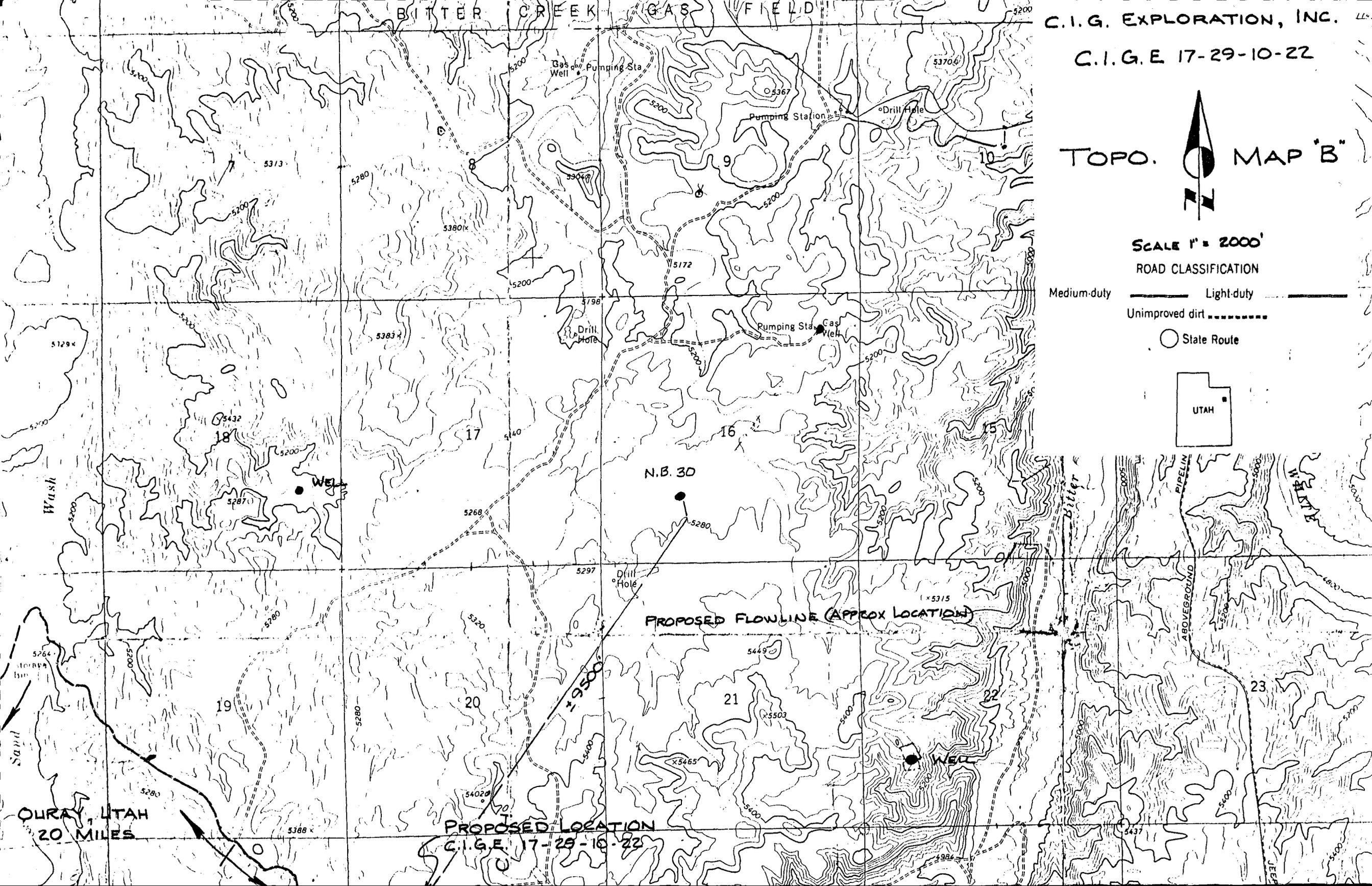
SCALE 1" = 2000'

ROAD CLASSIFICATION

Medium-duty Light-duty

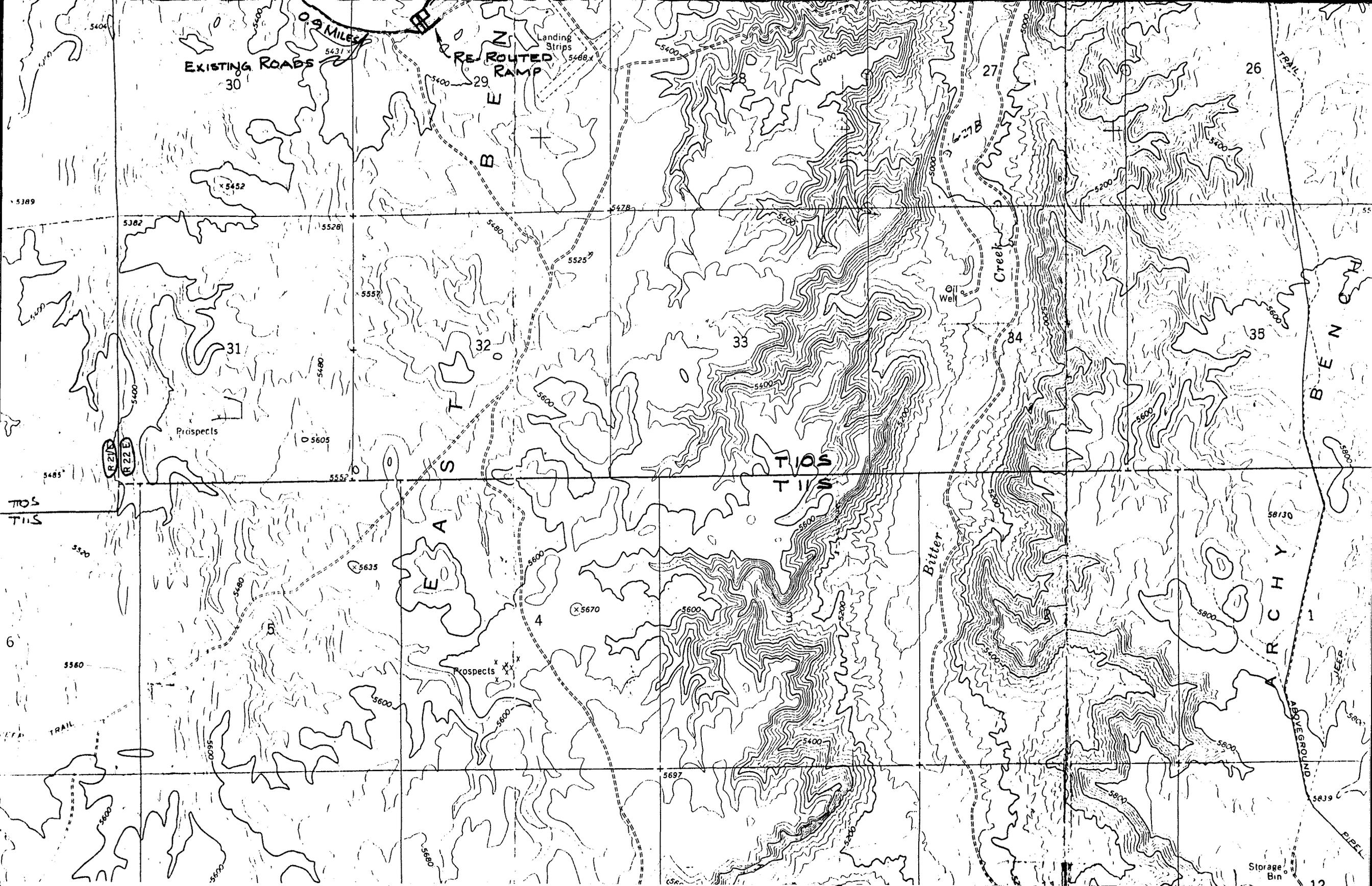
Unimproved dirt

State Route



OURAY, UTAH
20 MILES

PROPOSED LOCATION
C.I.G.E 17-29-10-22



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

(Other instructions on reverse side)

Budget Bureau No. 42-R1423.

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
 CIG EXPLORATION, INC.

3. ADDRESS OF OPERATOR
 P. O. BOX 749, DENVER, CO 80201

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*
 At surface
 1404' FWL & 1546' FNL, Section 29, T10S, R22E
 At proposed prod. zone
 SAME AS ABOVE

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
 Approximately 15 miles SE of Ouray, Utah

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) of NW/4
 226' FNL of SE/4

16. NO. OF ACRES IN LEASE
 560

17. NO. OF ACRES ASSIGNED TO THIS WELL
 N/A

18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.
 N/A

19. PROPOSED DEPTH
 6700'

20. ROTARY OR CABLE TOOLS
 ROTARY

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
 5360' Ungr. Gr.

22. APPROX. DATE WORK WILL START*
 October 1, 1978

5. LEASE DESIGNATION AND SERIAL NO.
 U-0132568-A

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

7. UNIT AGREEMENT NAME
 NATURAL BUTTES UNIT

8. FARM OR LEASE NAME
 NATURAL BUTTES

9. WELL NO.
 CIGE 17-29-10-22

10. FIELD AND POOL, OR WILDCAT
 BITTER CREEK FIELD

11. SEC., T., R., M., OR BLEK AND SURVEY OR AREA
 Sec. 29, T10S, R22E

12. COUNTY OR PARISH **13. STATE**
 Uintah Utah

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12-1/4"	9-5/8"	36#	200'	125 sx
7-7/8"	4-1/2"	11.6#	6700'	CIRCULATE CEMENT BACK TO SURFACE

FRESH WATER AQAUFERS WILL BE PROTECTED WHEN THE LONG STRING IS RUN AND CEMENT IS CIRCULATED TO SURFACE.

SEE ATTACHED SUPPLEMENTS FOR FURTHER INFORMATION:

- (1) 10-POINT PROGRAM
- (2) BOP SCHEMATIC
- (3) 13-POINT PROGRAM
- (4) PLAT

GAS WELL PRODUCTION HOOKUP TO FOLLOW ON SUNDRY NOTICE.

This permit is issued under the authority of the Department of the Interior, Bureau of Land Management, and is subject to the terms and conditions of the lease and the regulations of the Bureau of Land Management.

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 *F. R. Midkiff* **TITLE** DISTRICT SUPERINTENDENT **DATE** August 11, 1978

PERMIT NO. _____ **APPROVAL DATE** _____

APPROVED BY *W.P. Martens* **TITLE** REGIONAL DISTRICT ENGINEER **DATE** SEP 29 1978

CONDITIONS OF APPROVAL ATTACHED TO OPERATOR'S COPY

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

NOTICE OF APPROVAL

*See Instructions On Reverse Side

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

TO: DISTRICT ENGINEER, O., SALT LAKE CITY, UTAH

SUBJECT: APD MINERAL EVALUATION REPORT

LEASE NO. U-0132568-A

OPERATOR: CIG EXPLORATION, INC.

WELL NO. CIGE 17-29-10-22

LOCATION: 1/4 SE 1/4 NW 1/4 sec. 29, T. 10 S., R. 22 E., SLM

VINTAH County, UTAH

1. Stratigraphy: OPERATIVE ESTIMATES ARE REASONABLE

2. Fresh Water: WRD REPORTS FROM THIS TWP INDICATE THAT USEABLE WATER IN THIS AREA OCCURS TO ABOUT 3,500 FT BELOW THE SURFACE.

3. Leasable Minerals: VALUABLE PROSPECTIVELY FOR GILSONITE AND OIL SHALE. MOST VALUABLE OIL SHALE BEDS WILL BE FOUND IN THE PARACHUTE CK. MEMBER OF THE GREEN RIVER FM. GILSONITE MAY BE FOUND AS VEINS CUTTING OTHER ROCKS.

4. Additional Logs Needed: NONE - OPERATOR SUITE SHOULD BE RUN THROUGH THE PARACHUTE CK. MEMBER FOR OIL SHALE.

5. Potential Geologic Hazards: NONE EXPECTED

6. References and Remarks: WITHIN 1/4 MI OF BITTER CK. KGS
USGS FILES, SLC, UT.

Signature: TJA

Date: 9 - 8 - 78

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

Usual Environmental Analysis

Lease No. U-0132568-A

Operator CIG Exploration Inc.

Well No. CIGE 17-29-10-22
Natural Buttes

Location 1404' FWL & 1546' FNL Sec. 29 T. 10 S. R. 22 E. SLB&M

County Uintah State Utah Field Bitter Creek

Status: Surface Ownership Federal Minerals Federal

Joint Field Inspection Date September 15, 1978

Participants and Organizations:

<u>Carl Oden</u>	<u>G.I.G.E.</u>
<u>Dallas Galley</u>	<u>Dirt Rep.</u>
<u>Steve Ellis</u>	<u>BLM</u>
<u>George Campbell</u>	<u>USGS</u>
<u>Ron Smith</u>	<u>USGS</u>
<u> </u>	<u> </u>
<u> </u>	<u> </u>
<u> </u>	<u> </u>

Related Environmental Analyses and References:

- (1) EA 1339-78
- (2)

*Pad 190 x 400
Pit 50 x 100
No new access
Gas flow line not incl
Stockpile top soil
1.9 cc
Wild horses?*

Analysis Prepared by:

Reviewed by:

Ron Smith
Environmental Scientist
Denver, Colorado

Lynn Rust
Environmental Scientist
Casper, Wyoming

Date 9/18/78

*noted
George Duvachak*

Proposed Action:

On August 17, 1978, C.I.G. Exploration filed an Application for Permit to Drill the No. CIGE 17-29-10-22 development well, a 6,700-foot oil and gas test of the Wasatch Formation; located at an elevation of 5,360 GR ft. in the SE NW Sec. 29 T. 10 S. R. 22 E., SLB&M on Federal mineral lands and Federal surface; Lease No. U-0132568-A. There was no objection raised to the wellsite.

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 Preventer would be used during the drilling of the well. The proposed pressure rating should be adequate. Details of the operator's NTL-6 10-Point Subsurface and 13-Point Surface Protection Plans are on file in the U.S.G.S. District Office in Salt Lake City, Utah, and the U.S.G.S. Northern Rocky Mountain Area Office in Casper, Wyoming.

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

The operator proposes to construct a drill pad 190 ft. wide x 400 ft. long, and a reserve pit 50 ft. wide x 100 ft. Access would be from an existing road. The operator proposes to construct production facilities on a disturbed area of the proposed drill pad. If production is established, plans for a gas flow line have been submitted to the appropriate agencies for approval. The anticipated starting date is October 1, 1978 and duration of drilling activities would be about 30 days.

Location and Natural Setting:

The proposed drillsite is approximately 12 mi. south-east of Ouray, Utah, the nearest town. A fair road runs to within 200 feet of the location. This well is in the Bitter Creek field.

Topography:

Desert.

Geology:

The surface geology is the Uinta Formation. The soil is a tannish-appearing 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 blowout 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, U.S. Geological Survey, Salt Lake City, Utah. The operator's drilling, cementing, casing, and blowout prevention programs have been reviewed by the Geological Survey engineers and determined to be adequate.

Soils:

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

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

Approximately 1.9 acres of land would be stripped of vegetation. This would increase the erosional potential. Proper construction practice, construction of water bars, and reseeded of slope-cut area would minimize this impact.

Air:

No specific data on air quality is available at the proposed location; however, data from the White River Shale Project infers that the existing air quality relative to Federal Ambient Air Quality Standards is good. There would be a minor increase in air pollution due to emissions from rig and support traffic engines. Particulate matter would increase due to dust from travel over unpaved dirt roads. The potential for increased air pollution due to leaks, spills, and fire would be possible.

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

Toxic or noxious gases would not be anticipated.

Precipitation:

Annual rainfall should range from about 6 to 8 inches at the proposed location. The majority of the numerous drainages in the surrounding area are of a nonperennial 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 7 inches.

Winds are medium with occasional periods of strong winds occurring predominantly 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:

There is no surface water or dry drainages near the site.

Some additional erosion would be expected in the area since surface vegetation would be removed. If erosion became serious, drainage systems such as water bars and dikes would be installed to minimize the problem. The proposed project should have minor impact on the surface-water systems.

The potentials for pollution would be present from leaks or spills. The operator is required to report and clean up all spills or leaks.

Ground-Water Hydrology:

Some minor pollution of ground-water systems would occur with the introduction of drilling fluids (filtrate) into the aquifer. This is normal and unavoidable during rotary drilling operations. The potential for communication, contamination, and commingling of formations via the wellbore 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 formations are listed in the 10-Point Sub-surface 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:

Plants in the area are sagebrush and native grasses.

Proposed action would remove about 1.9 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:

Wild horses may be present.

Animal and plant inventory has been made by the Bureau of Land Management. No endangered plants or animals are known to habitat on the project area. The fauna of the area consists predominantly of the mule deer, coyotes, foxes, 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 an historic artifact, an archaeological feature or site is discovered during construction operations, activity would cease until the extent, the scientific importance, and the method of mitigating the adverse effects could be determined by a qualified cultural resource specialist.

There are no occupied dwellings and other facilities of this nature in the general area. Minor distractions from aesthetics would occur over the lifetime of the project and are judged to be minor. 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 predrilling levels.

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

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

Should the wellsite be abandoned, surface rehabilitation would be done according to the surface agency's requirements and U.S. Geological Survey'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:

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

The proposed location is within the Rainbow Planning Unit (08-08). This Environmental Assessment Record (EAR) was compiled by the Bureau of Land Management, the surface management agency of the Federal surface in the area. The study includes additional information on the environmental impact of oil and gas operations in this area and gives land use recommendations. The EAR 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 operations. A trash pit would be utilized for any solid wastes generated at the site and would be buried at the completion of the operations. Sewage would be handled according to State sanitary codes. For further information, see the 13-Point Surface Plan.

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 the U.S. Geological Survey 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 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.

Adverse Environmental Effects Which Cannot Be Avoided:

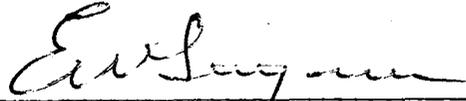
Surface disturbance and removal of vegetation from approximately 1.9 acres of land surface from the lifetime of the project which would result in increased and accelerated erosional potential. Grazing would be eliminated in the disturbed areas and there would be a minor and temporary disturbance of wildlife 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 could be accelerated by the proposed action; however, proper attention of this problem can minimize the effect.

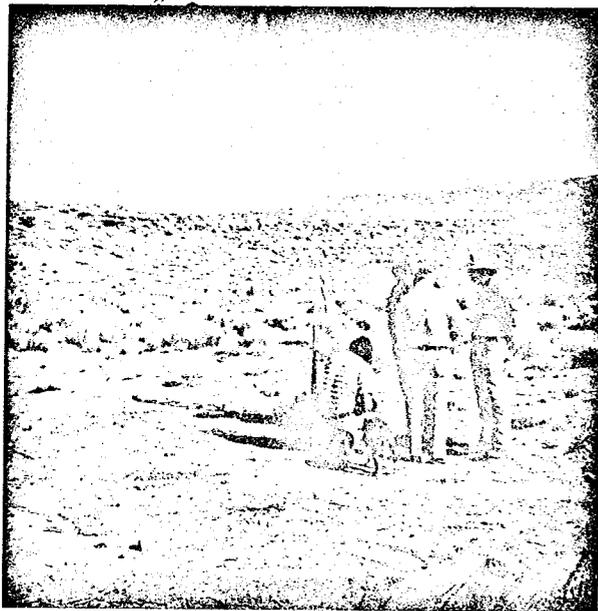
Determination:

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

Date

9/27/78


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



CIG Exploration Inc. U-0132568-A

① CIG 17-29-10-22

STATE OF UTAH
DIVISION OF OIL, GAS, AND MINING

** FILE NOTATIONS **

Date: Aug. 18 -

Operator: Cig Dislocation

Well No: Natural Buttes 17-29-10-22

Location: Sec. 29 T. 108 R. 22E County: Uintah

File Prepared:

Entered on N.I.D.:

Card Indexed:

Completion Sheet:

API Number: 43-049-30486

CHECKED BY:

Administrative Assistant: [Signature]

Remarks: Unit Well OK

Petroleum Engineer: OK [Signature]

Remarks:

Director: _____

Remarks:

INCLUDE WITHIN APPROVAL LETTER:

Bond Required:

Survey Plat Required:

Order No. _____

Surface Casing Change
to _____

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

O.K. Rule C-3

O.K. In Natural Buttes Unit

Other:

Letter Written Approved

October 6, 1978

MEMO TO FILE

Re: CIG EXPLORATION
CIGE #17-29-10-22
Sec. 29, T. 10S, R. 22E
Uintah County, Utah

The above well was spudded in on October 5, 1978. The driller is Vern West.

On about October 13, 1978 the Loffland Rig #12 Rotary will move in.

CLEON B. FEIGHT
DIRECTOR
DIVISION OF OIL, GAS, & MINING

CBF/lw

cc: U.S. Geological Survey
State Industrial Commission

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

PERMIT IN TRIPLICATE
(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
GAS PRODUCING ENTERPRISES, INC.

3. ADDRESS OF OPERATOR
P. O. BOX 749, DENVER, CO 80202

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.)
At surface
1404' FWL & 1546' FNL SECTION 29-T10S-R22E

14. PERMIT NO. _____ 15. ELEVATIONS (Show whether DF, RT, CR, etc.)
5360' UNGRADED GROUND

5. LEASE DESIGNATION AND SERIAL NO.
U-0132568-A

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

7. UNIT AGREEMENT NAME
NATURAL BUTTES UNIT

8. FARM OR LEASE NAME
NATURAL BUTTES

9. WELL NO.
CIGE 17-29-10-22

10. FIELD AND POOL, OR WILDCAT
BITTER CREEK FIELD

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
SECTION 29-T10S-R22E

12. COUNTY OR PARISH
UINTAH

13. STATE
UTAH

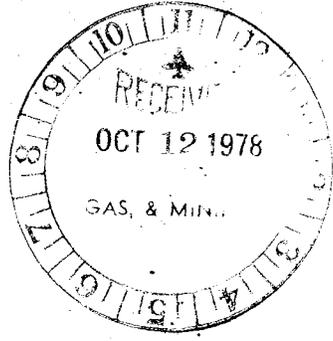
16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input 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) PIPELINE HOOKUP <input checked="" type="checkbox"/>	
(Other) PIPELINE HOOKUP <input checked="" 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.)*

SUPPLEMENT TO APPLICATION FOR PERMIT TO DRILL

- (1) PROPOSED GAS WELL PRODUCTION HOOKUP
 - (A) TYPICAL WELL HEAD INSTALLATION
 - (B) TYPICAL MAIN LINES AND PIPE ANCHOR DETAIL
- (2) PROPOSED PIPELINE MAP
- (3) PROPOSED ROAD FOR FLOW LINE AND PIPELINE RIGHT OF WAY



FOR ON-SITE CONTACT:

EDWARD N. NORRIS AT (801) 789-2773

OR

IRA K. McCLANAHAN AT (303) 473-2300

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

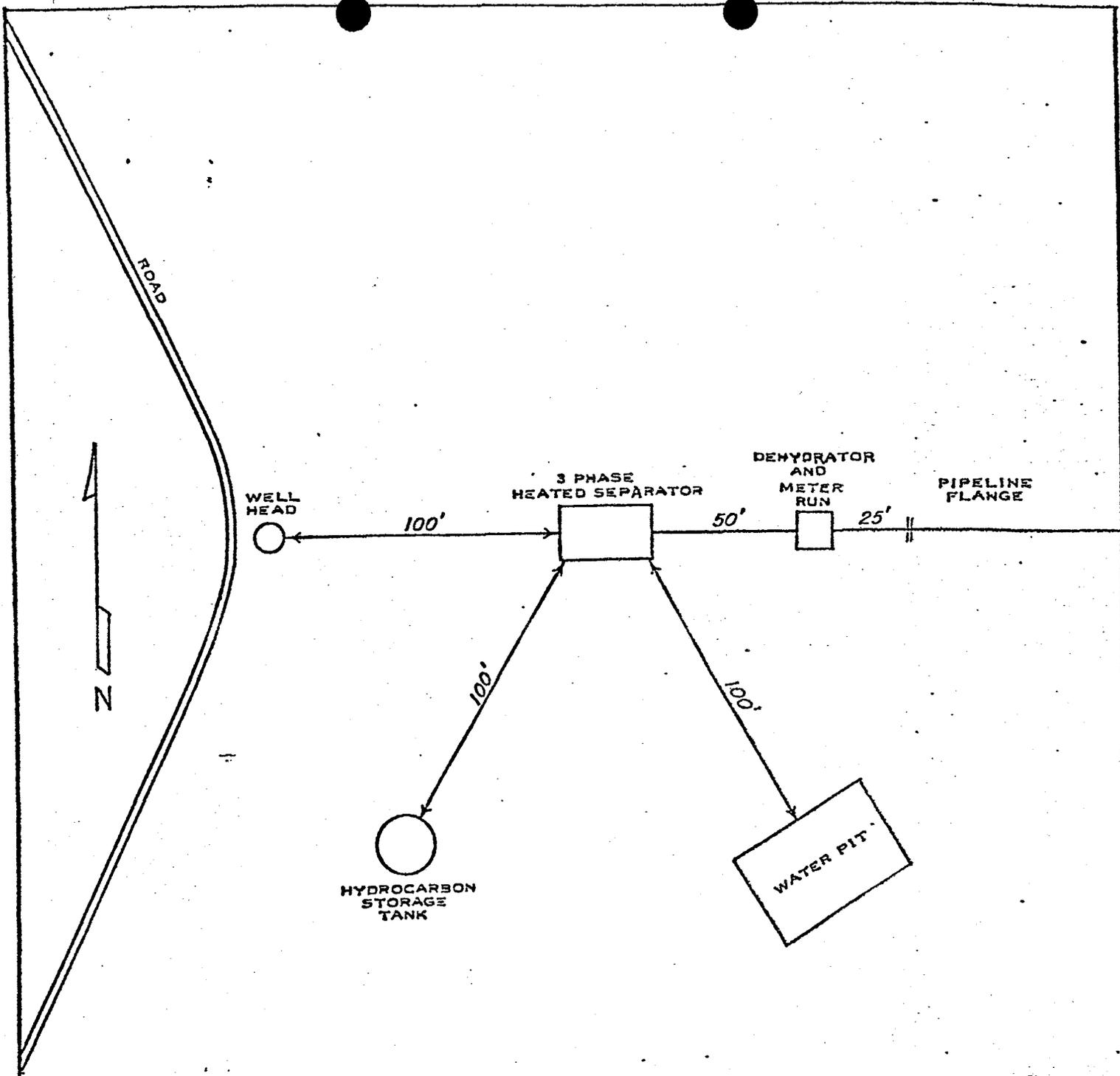
SIGNED F. R. Midkiff TITLE DISTRICT SUPERINTENDENT DATE October 10, 1978

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side



GAS PRODUCING ENTERPRISES, INC.
DENVER, COLORADO

CIGE 17-29-10-22
SECTION 29-T10S-R22E
UINTAH COUNTY, UTAH

PIPELINE TO BE ADEQUATELY ANCHORED TO PREVENT UNDUE MOVEMENT OR STRAIN TO EXISTING FACILITY. NUMBER AND SPACING OF ANCHORS TO BE DETERMINED IN FIELD

FOR PIPE ANCHOR DETAIL SEE DWG. 80FM3-4A

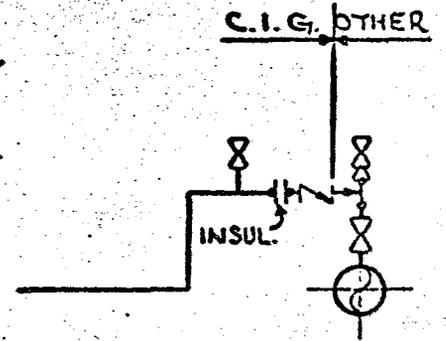
20' ±

B.O.
C.Y.
S.Y.

EXIST. PIPELINE

ALTERNATE ANCHOR - BURY PIPELINE MIN. OF 18"

(TYP. FOR G.P.E. OR C.I.G.)



TYP. FOR CONN. TO M.F.S.

Colorado Interstate Gas Co.
COLORADO SPRINGS, COLORADO

TYPICAL CONNECTION TO MAIN LINES AND PIPE ANCHOR DETAIL - NATURAL BUTTES FIELD

UINTA COUNTY, UTAH

1 23858 REVISE STARTING POINT 8-2177-RWP

NO.	C.O.N.O.	DESCRIPTION	DATE	BY	CHK.	APP.	SCALE: NONE DRAWN RWP	APP. <i>AW</i>	115FP-1 1/8
REVISIONS							DATE: 7-7-77	NO. 23858	

ESTIMATE SKETCH

DATE: 9/29/78

STARTING DATE:

EST. COMP. DATE:

COMPANY CONTRACT

COLORADO INTERSTATE GAS COMPANY

NORTHWEST PIPELINE CORPORATION

W. O. NO.:

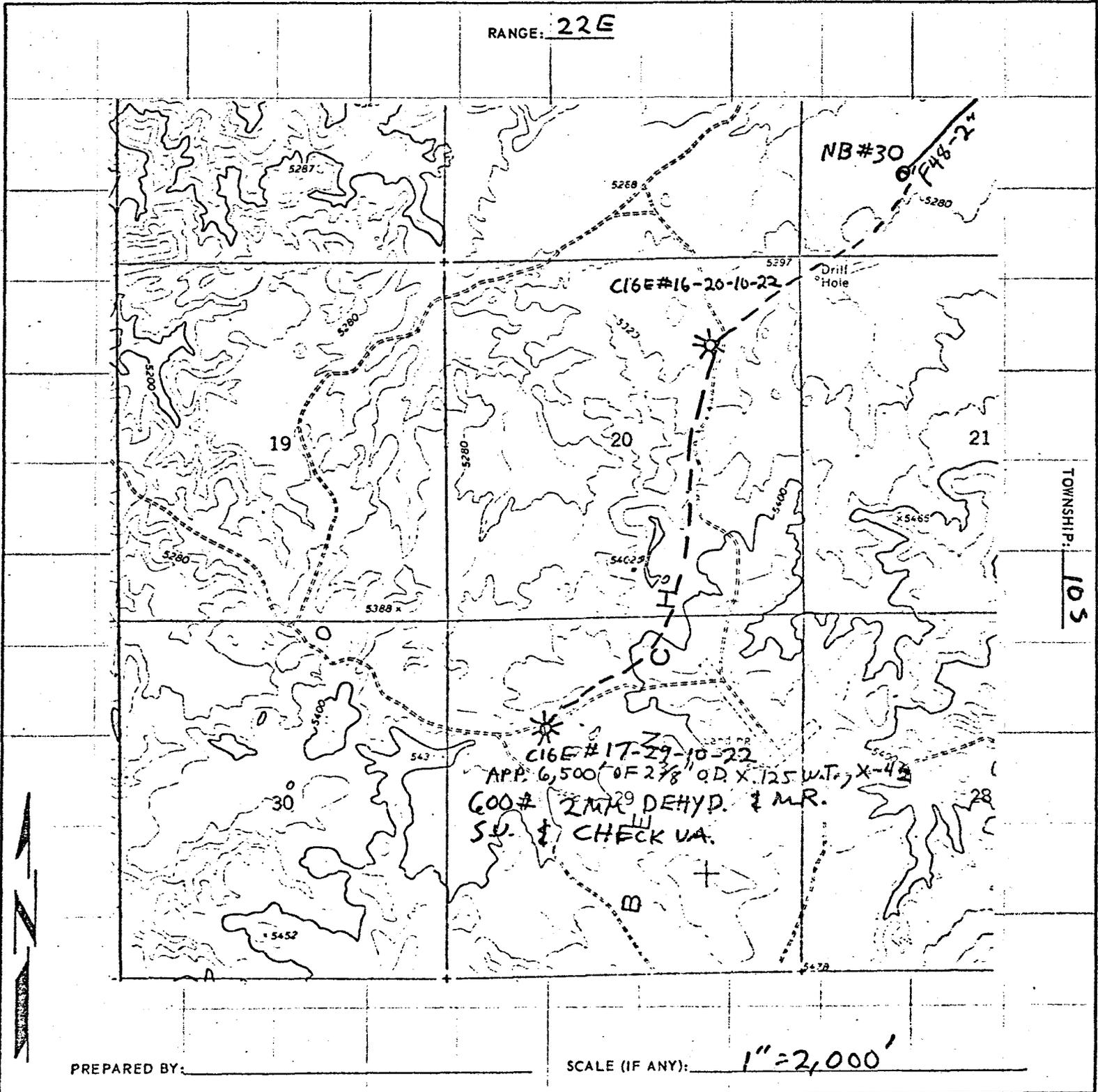
REVISION NO.:

BUDGET NO.:

RELATED DWG.:

LOCATION: 1546' FNL, 1404' FNL SEC. 29-105-22E COUNTY: Uintah STATE: Utah
DESCRIPTION OF WORK: Connect CIGE #17-29-10-22 NATURAL BUTTES

REQUESTED BY: APPROXIMATE MILEAGE: 1.23 PROJECT ENGINEER: JFK



PREPARED BY:

SCALE (IF ANY):

1" = 2,000'

September 29, 1978

Statement for permit to lay flow line, to be included with application for Drilling Permit - CIGE #17-29-10-22.

Upon approval of all concerned regulatory agencies, CIG proposed to install a surface flow line from CIGE #17-29-10-22 in a northerly direction through the north line of Section 29 and the E $\frac{1}{2}$ of Section 20 connecting to a line from CIGE #16-20-10-22 in the NE $\frac{1}{4}$ of Section 20 all in T10S, R22E. The line will be approximately 6,000' long as shown on the accompanying sketches.

Pipe will be 2-3/8" O.D. x .125" W.T., Grade X-42 EW. It will be butt-welded in place using portable electric welding machines, and will be laid above ground except where burial is necessary for road crossing, ditches, or other obstructions.

CIG will connect to Producer's separator and install dehydration and metering facilities within 100' of the connection.

Some damage will be incurred by trucks transporting pipe and welding equipment over the pipeline route, but surface disturbance will be held to a minimum.

October 28, 1978

MEMO TO FILE

CIG EXPLORATION

Well No. CIGE 17-29-10-22

Sec. 29, T. 10S, R. 22E

Uintah County, Utah

CIG Exploration was given permission to plug and abandon the above well,

TD: 5,990'

Formation tops: Wasatch 4,090'
Green River 880'

Casing program: 9 5/8" at 222 KB

Plugs set as follows:

50 sacks	-	3970	-	4100
50 sacks	-	1870	-	2000
50 sacks	-	750	-	800
50 sacks	-	140	-	270
10 sacks	-	25	-	Surface

A dry hole marker was erected.

CLEON B. FEIGHT
DIRECTOR

CBF/lw
cc:U.S. Geological Survey

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN TRIPLICATE
(Other instructions on
reverse side)

Form approved.
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

U-0132568-A

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

N/A

7. UNIT AGREEMENT NAME

NATURAL BUTTES UNIT

8. FARM OR LEASE NAME

NATURAL BUTTES

9. WELL NO.

CIGE 17-29-10-22

10. FIELD AND POOL, OR WILDCAT

BITTER CREEK FIELD

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

SECTION 29-T10S-R22E

12. COUNTY OR PARISH

UINTAH

13. STATE

UTAH

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 DRY HOLE

2. NAME OF OPERATOR
CIG EXPLORATION, INC.

3. ADDRESS OF OPERATOR
P. O. BOX 749, DENVER, CO 80201

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

1404' FWL & 1546' FNL, SECTION 29-T10S-R22E

14. PERMIT NO.

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

5360' UNGRADED GROUND

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

NOTICE OF INTENTION TO:

SUBSEQUENT REPORT OF:

TEST WATER SHUT-OFF

PULL OR ALTER CASING

WATER SHUT-OFF

REPAIRING WELL

FRACTURE TREAT

MULTIPLE COMPLETE

FRACTURE TREATMENT

ALTERING CASING

SHOOT OR ACIDIZE

ABANDON*

SHOOTING OR ACIDIZING

ABANDONMENT*

REPAIR WELL

CHANGE PLANS

(Other) _____

(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.)*

VERBAL TO PLUG AND ABANDON RECEIVED FROM BILL MARTENS (USGS) @ 4 AM, 10/28/78
C. B. FREIGHT (STATE OF UTAH) NOTIFIED 10/30/78 AND VERBAL RECEIVED.

TD: 5990'
TOP OF WASATCH: 4090'
TOP OF GREEN RIVER: 880'

9-5/8" casing set at 222' KB
9.2#, 36 vis mud between all plugs

SPOT CEMENT PLUGS: 3970' - 4100' - 50 sx
1870' - 2000' - 50 sx
750' - 880' - 50 sx
140' - 270' - 50 sx
SURFACE - 25' - 10 sx, w/dry hole marker

CHRONOLOGICAL OF WELL ATTACHED.

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

SIGNED F. R. Midkiff
F. R. MIDKIFF
(This space for Federal or State office use)

TITLE District Superintendent DATE October 31, 1978

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

CIGE 17-29-10-22 (NBU)

Bitter Creek Field

Uintah County, Utah

AFE: 19481 WI: 100%

ATD: 6000' SD: 10-5-78

CIGE, Inc., Oper.

Thomson Drilling, Contr.

9-5/8" @ 212' GL;

LOCATION: C NW, Section 29, T10S, R22E, Uintah County, Utah.

10-9-78 WORT (Thomson Rig #5).

MI & RU All Western Air Drilling. Spud 12-1/4" hole @ 1 PM, 10-5-78. Completed 12-1/4" hole @ 212' @ 1 PM, 10-6-78. RU & Ran 5 jts, 9-5/8", 36#, K-55, Rg-3 csg. Set @ 212' GL. RU BJ Hughes & cmtd w/150 sx Class "G" w/2% CaCl. PD @ 5:20 PM, 10-6-78.

10-10-78 thru 10-17-78 WORT.

TD: 606' Drlg 8 1/2" hole (384' - 6-3/4 hrs).

10-18-78 Resumed drlg @ 11:15 PM, 10-17-78. Drlg.

MW 8.3#, 28 secs.

TD: 1780' Drlg (1174' - 21-3/4 hrs).

10-19-78 Rig service, check BOP's; Drlg; Trip (1/2° @ 500') (1/2° @ 1000')(1° @ 1530'); Drlg.

MW 8.3#, 28 secs.

TD: 2894' Drlg (1114' - 23 hrs).

10-20-78 Rig service; Drlg; Survey (1/4° @ 2500'); BGG 200 un; Conn gas 340 un.

MW 8.3#, 28 secs.

TD: 3960' Drlg (1066' 2 23 hrs).

10-21-78 Drlg; Rig service & check BOP's; Survey (1/2° @ 3500'); 316 un BGG.

MW 8.3#, 30 secs.

TD: 4357' Drlg 8 1/2" hole (397' - 23-1/4 hrs).

10-22-78 Rig service & survey (1 1/2° @ 4277'); Drlg; 100 un BGG.

9.4#, 34 secs, 14 cc.

TD: 4607' Drlg (250' - 16 1/2 hrs).

10-23-78 Rig service; Drlg; Repair pump; Drlg; Trip for new bit; Drlg; 100 un BGG; NOTE: Reduced hole from 8 1/2" @ 7-7/8" @ 4430'; Survey (0° @ 4430').

MW 9.4#, 35 secs, 14 cc.

TD: 5042' Drlg (435' - 23 hrs).

10-24-78 Rig service; Drlg; 60 un BGG. NOTE: 1 load of 4 1/2" csg arrived on location; 1 truck broke down.

MW 9.2#, 36 secs, 12 cc

TD: 5408' Drlg (366' - 22 1/2 hrs).

10-25-78 Rig service; Drlg; Repair pump; BGG 25 un; Drlg brk: 5287-96', gas inc 25 - 160 un.

MW 9.3#, 36 secs, 12.5 cc.

CIGE 17-29-10-22 (NBU)
 Bitter Creek Field
 Uintah County, Utah
 AFE: 19481 WI: 100%
 ATD: 6000' SD: 10-5-78
 CIGE, Inc., Oper.
 Thomson Drilling, Contr.
 9-5/8" @ 222' KB;

TD: 5757' Drlg (349' - 23-1/4 hrs).
10-26-78 Drlg; Rig service; BGG 45 unit; Drlg brk 5588-92',
 45 - 90 un; 5670-80', 45 - 365 un; NOTE: 6712' of
 4 1/2" csg on location.

MW 9.3#, 35 secs, 12 cc.

TD: 5977' Drlg (220' - 19-1/4 hrs).
10-27-78 Rig service; Drlg; Trip for new bit; Ream 50' to btm;
 Drlg; BGG 23 un; @ 5952'-88' drlg 7-8'/hr; Survey
 (1/2° @ 5886').

MW 9.3#, 36 secs, 14 cc.

TD: 5990' POOH (13' - 2-1/4 hrs).
10-28-78 Rig service; Drlg; Circ for log; POOH; Schl logging;
 LD 8 DC's; GIH; Circ & WOO; WO diesel.

MW 9.3#, 41 secs, 11.2 cc.

TD: 5990' MORT
10-29-78 Rig service. Finished POOH. LD DP & DC's; GIH to 4100';
 Spot cmt plug @ 3970' to 4100' w/50 sx; LD DP to 2000';
 Spot cmt plug @ 1870' to 2000' w/50 sx; LD DP; Spot cmt
 plug @ 750' to 880' w/50 sx; LD DP; Spot cmt plug @
 140' to 270' w/50 sx; Remove BOP's & wash out tanks;
 Released rig @ 8:15 PM, 10-28-78; MORT; Set 10 sx plug
 from 0 - 25' w/dry hole marker.

TD: 5990'
10-30-78 MORT - Well P & A - Drop from report.



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

February 9, 1979

CIG Exploration Inc.
P. O. Box 749
Denver, Colorado 80201

Re: Well No. CIGE 17-29-10-22
Sec. 29, T. 10S, R. 22E,
Uintah 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 OSTLER
RECORDS CLERK

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

SUBMIT IN DUPLICATE

(See other instructions on reverse side)

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1a. TYPE OF WELL: OIL WELL GAS WELL DRY Other _____

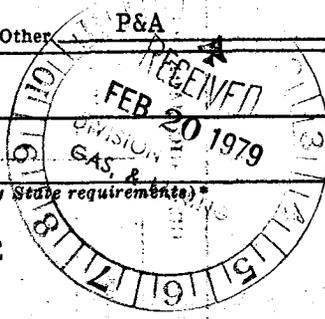
b. TYPE OF COMPLETION:
NEW WELL WORK OVER DEEP-EN PLUG BACK DIFF. RESVR. Other _____

2. NAME OF OPERATOR
GAS PRODUCING ENTERPRISES, INC. CIG

3. ADDRESS OF OPERATOR
P. O. BOX 749, DENVER, CO 80201

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*
At surface
1404' FWL & 1546' FNL SECTION 29-T10S-R22E
At top prod. interval reported below
SAME AS ABOVE
At total depth
SAME AS ABOVE

14. PERMIT NO. **43-047-30486** DATE ISSUED **8/22/78**



5. LEASE DESIGNATION AND SERIAL NO.

U-0132568-A

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

N/A

7. UNIT AGREEMENT NAME

NATURAL BUTTES UNIT

8. FARM OR LEASE NAME

NATURAL BUTTES

9. WELL NO.

CIGE 17-29-10-22

10. FIELD AND POOL, OR WILDCAT

BITTER CREEK FIELD

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

SECTION 29-T10S-R22E

12. COUNTY OR PARISH

UINTAH

13. STATE

UTAH

15. DATE SPUNDED **10/5/78** 16. DATE T.D. REACHED **10/28/78** 17. DATE COMPL. (Ready to prod.) **N/A 10-30-78** 18. ELEVATIONS (DF, REB, RT, GR, ETC.)* **5360' GR.** 19. ELEV. CASINGHEAD _____

20. TOTAL DEPTH, MD & TVD **5990'** 21. PLUG, BACK T.D., MD & TVD **N/A** 22. IF MULTIPLE COMPL., HOW MANY* **N/A** 23. INTERVALS DRILLED BY ROTARY TOOLS **212'-5990'** CABLE TOOLS **0 - 212'**

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

26. TYPE ELECTRIC AND OTHER LOGS RUN **DIL, CNL-FDC** 27. WAS WELL CORED **NO**

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

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
9-5/8"	36#	212' GL	12-1/4"	150 sx "G"	None

29. LINER RECORD

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

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)

31. PERFORATION RECORD (Interval, size and number)

NONE

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED

33.* PRODUCTION

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

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

FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) _____ TEST WITNESSED BY _____

35. LIST OF ATTACHMENTS
SUNDRY NOTICE - SUBSEQUENT REPORT OF P&A: WELL LOG

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

SIGNED *F. R. Midkiff* TITLE DISTRICT SUPERINTENDENT DATE 2/16/79
F. R. MIDKIFF

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

INSTRUCTIONS

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

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

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

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

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

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

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.

38. GEOLOGIC MARKERS

NAME	MEAS. DEPTH	TOP	TRUE VERT. DEPTH