

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
 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 1690' FNL & 1781' FEL, Section 4, T10S, R22E
 At proposed prod. zone SW NE
 SAME AS ABOVE

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
 APPROXIMATELY 15 MILES SOUTHEAST OF OURAY, UTAH

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drig. unit line, if any)
 859'

18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.
 APPROXIMATELY 1551'

16. NO. OF ACRES IN LEASE
 1041.78'

19. PROPOSED DEPTH
 6000'

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

20. ROTARY OR CABLE TOOLS
 ROTARY

21. ELEVATIONS (Show whether DP, RT, CR, etc.)
 5062' UNGRADED GROUND

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

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#	6000'	CIRCULATE CEMENT BACK TO SURFACE

FRESH WATER AQUIFERS 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.

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. G. Merrill TITLE SENIOR PETROLEUM ENGINEER DATE October 2, 1978
 R. G. MERRILL

(This space for Federal or State office use)
 PERMIT NO. 30513 APPROVAL DATE

APPROVED BY _____ TITLE _____
 CONDITIONS OF APPROVAL, IF ANY: _____
 APPROVED BY THE DIVISION OF OIL, GAS, AND MINING
 DATE: 10-6-78
 BY: C. B. Knight

CIGE 51-4-10-22
Section 4, T10S, R22E
Uintah County, Utah

10-POINT PROGRAM

1. Geologic name of surface formation:

UINTA

2. The estimated tops of important geologic markers:

GREEN RIVER 1000'

WASATCH 4375'

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

WASATCH 4375' GAS

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

9-5/8" - K-55, ST&C - 36# NEW

4-1/2" - N-80, LT&C - 11.6# 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 4500' with a weight of 8.3 to 8.7 . From 4500' to TD the well will be drilled with fresh wtr mud with a weight from 8.7 to 10.4 . 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: Dual-Induction Laterolog
Compensated Neutron-Formation Density

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

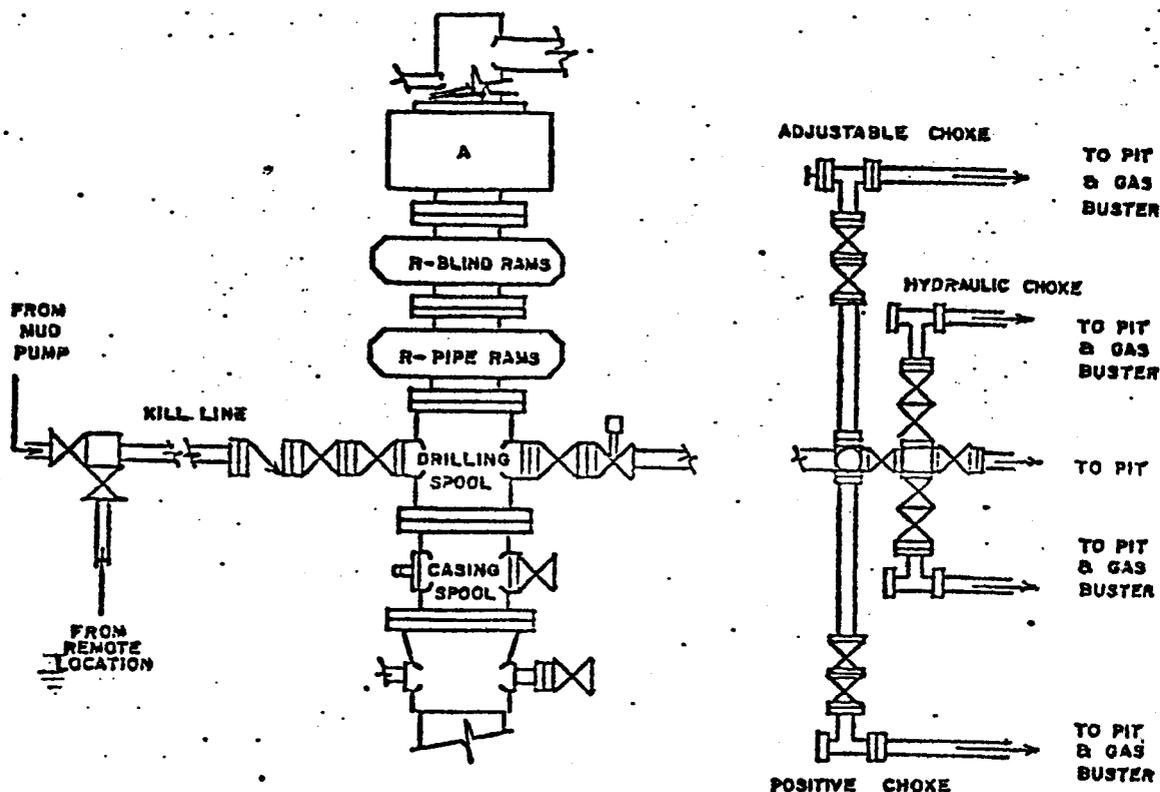
No abnormal pressures or temperatures expected
No hydrogen sulfide expected

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

December 1, 1978, three week duration.

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.

C.I.G. EXPLORATION INCORPORATED

13 Point Surface Use Plan

For

Well Location

C.I.G.E. #51-4-10-22

Located In

Section 4, T10S, R22E, S.L.B. & M.

Uintah County, Utah

1. EXISTING ROADS

See attached Topographic Map "A".

To reach C.I.G. Exploration Incorporated, well location C.I.G.E. 51-4-10-22 located in the SW $\frac{1}{4}$ NE $\frac{1}{4}$ Section 4, T10S, R22E, S.L.B. & M., Uintah County, Utah; proceed Westerly out of Veranl, 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 State Highway 88; proceed South along Utah State Highway 88, 10 miles to Ouray, Utah; proceed along South on a county road known as the Seep Ridge Road, + 11.5 miles to the junction of this road and 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 North-easterly along this road 4 miles to its junction with a road to the North; proceed Northerly along this road 1 miles to its junction with a road to the Southwest; proceed Southwesterly along this road 0.1 miles to the junction of this road and the point that the proposed access road (to be discussed in Item #2) leaves the existing road and proceeds in a North-westerly direction to the 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 to the oil field service road.

The aforementioned dirt oil field service road and other roads in the vicinity are constructed out of native materials that are prevalent to the 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, completion phase, and the production phase of this well at such time that 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".

The proposed road leaves the existing road described in Item #1, in the NE $\frac{1}{4}$ SE $\frac{1}{4}$ Section 4, T10S, R22E, S.L.B. & M., and proceeds in a Northwesterly direction 0.3 miles to the proposed location site.

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.

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

The grade of this road will vary from flat to 8%, but will not exceed this amount.

2. PLANNED ACCESS ROAD - continued

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 or at intervals and location that will provide the greatest sight distance. These turnouts will be 200' in length and 10' in width and will be tapered from the shoulder of the road for a distance of 50' in length at both the access and outlet ends.

Any fences that are encountered along this access road will be cut and replaced with a cattleguard with a minimum 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.

The terrain that this access road traverses is relatively flat, but is broken by some small drainages, and hills. There is one drainage which will require either a drainage dip or a culvert of a big enough size to handle the run off in the area. This will be determined by the B.L.M. District Manager.

The vegetation of this route consists of sparse amounts of sagebrush, rabbitbrush, some grasses, and cacti with large areas that are devoid of vegetation.

3. LOCATION OF EXISTING WELLS

See attached Topographic Map "B".

There are other wells within a one mile radius of this well. For exact location of this well within Section 4, T10S, R22E, S.L.B. & M., see location plat.

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

At the present time there are other C.I.G. Exploration Incorporated batteries, production facilities, oil gathering lines, gas gathering lines, injection and disposal lines within a one-mile radius.

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

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 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 proposed gas flow line will be an 18' right of way which will run in a Northeasterly direction approximately 8.2 miles to an existing Well Location in the NE $\frac{1}{4}$ NE $\frac{1}{4}$ of Section 4, T10S, R22E, S.L.B. & M. (See Topographic Map "B").

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

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

5. LOCATION AND TYPE OF WATER SUPPLY

See Topographic Map "A".

Water to be used for the drilling and production of this well will be hauled from the White River at a point near the Mountain Fuel Bridge located in the SW $\frac{1}{4}$ NE $\frac{1}{4}$ Section 17, T9S, R22E, S.L.B. & M. The water will be hauled by truck over existing road and the proposed access road, to the proposed location site, a distance of approximately 19.4 miles.

In the event that the above source is not used, the water will be hauled by truck utilizing the roads described in Items #1 and #2, from the White River South of Ouray, Utah a distance of approximately 23.9 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 MATERIAL

All construction material for this location site and access road shall be borrow material 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 material that will be used in the construction of this location site and access road will consist of sandy-clay soils and sandstone and shale material gathered in actual construction of the road and location.

7. METHODS OF HANDLING WASTE DISPOSAL

A reserve and burn pit shall be constructed, and at least one 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 material 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 #6, 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

9. WELL SITE LAYOUT - continued

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). When all drilling and production activities have been completed, the location site and access road will be reshaped to the original contour and stockpiled 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.

1. OTHER INFORMATION

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

The area slopes from the rim of the Book Cliff Mountains to the South to the Green 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 sandstone, conglomerates, and shale deposits.

The majority of the washes and streams in the area are non-perennial in nature with the only one in the area having a year round flow being White River to the Southwest, of which the numerous washes, draws, and non-perennial streams are tributaries.

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

All drainages in the immediate area are non-perennial, flowing to the Southwest, 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 Eocene Epoch and Quaternary Epoch (Gravel 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 shale).

Due to the low precipitation average, climatic conditions, and 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 soil devoid of any growth. In the areas away from and in the vicinity of non-perennial streams, and along the edges of perennial streams, cottonwoods, willows, tamarack, sagebrush, rabbitbrush, grasses, and cacti can be found.

11. OTHER INFORMATION - continued

The fauna of the area is sparse and consists predominantly of mule deer, coyotes, pronghorn antelope, rabbits, varieties of small ground squirrels and other types of rodent, 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")

C.I.G.E. 51-4-10-22 location site sits on a relatively flat area which slopes to the East into the White River. The White River is the only perennial stream in the area and lies approximately 2 miles East of the location.

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 Southwest through the location to the Northeast at approximately a 3% 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
C.I.G. 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 C.I.G. Exploration Incorporated and its contractors and sub-contractors in conformity with this plan and terms and conditions with this plan and terms and conditions with which it is approved

DATE

10-2-78

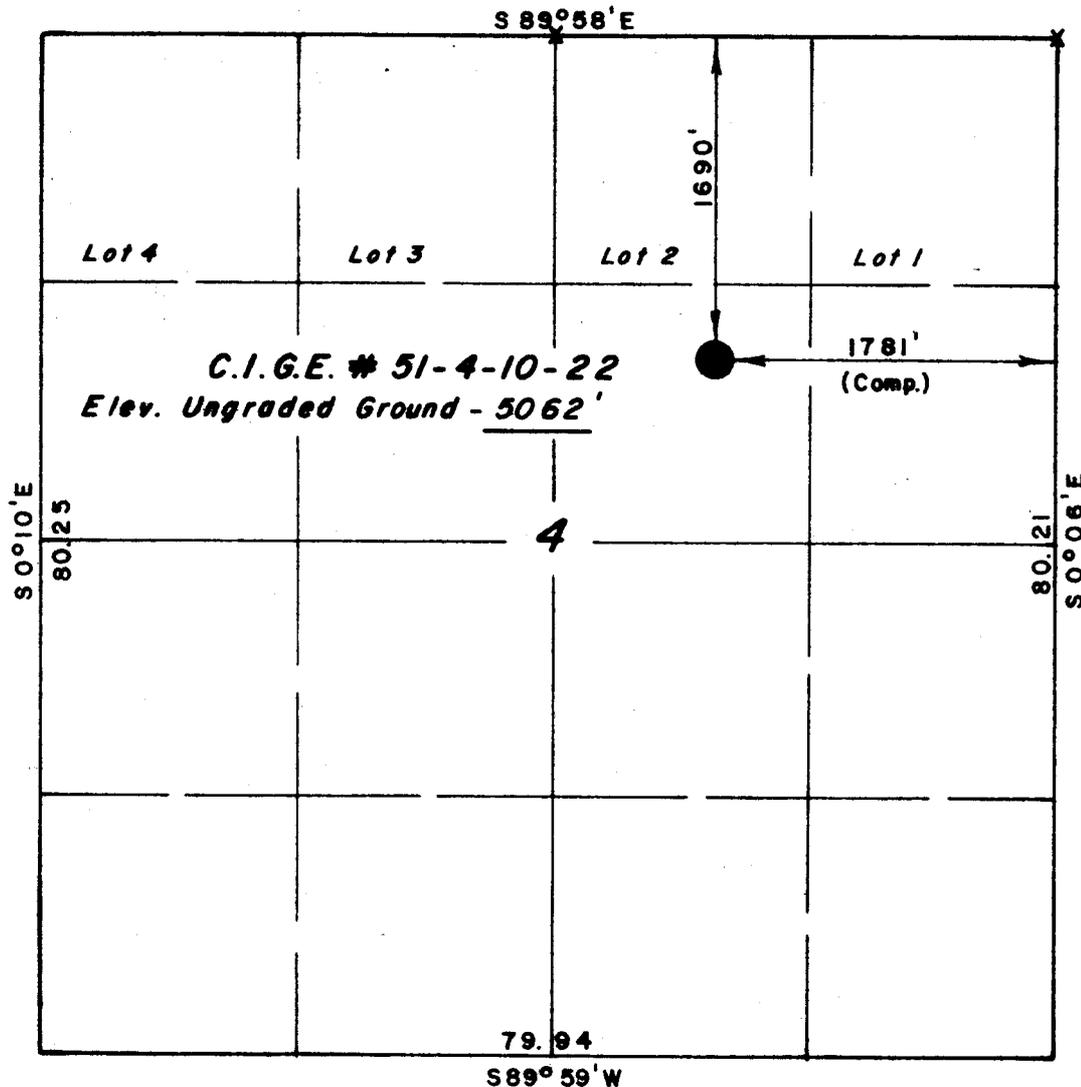
FR Midkiff by R J Merrill
Frank R. Midkiff

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

PROJECT

C.I.G. EXPLORATION INC.

Well location, C.I.G.E. #51-4-10-22,
located as shown in the SW1/4 NE1/4
Section 4, T10S, R22E, 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.

Gene Stewart

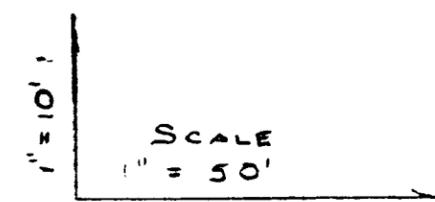
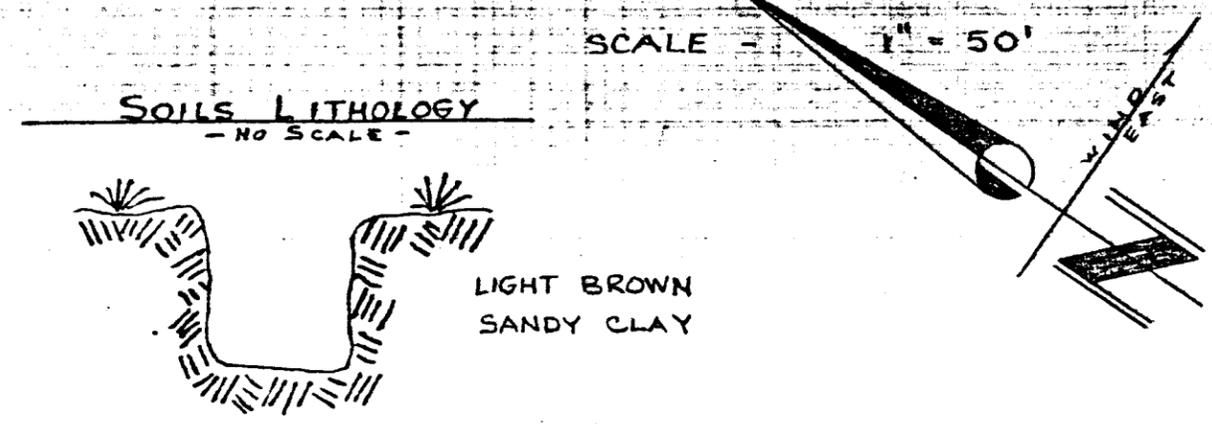
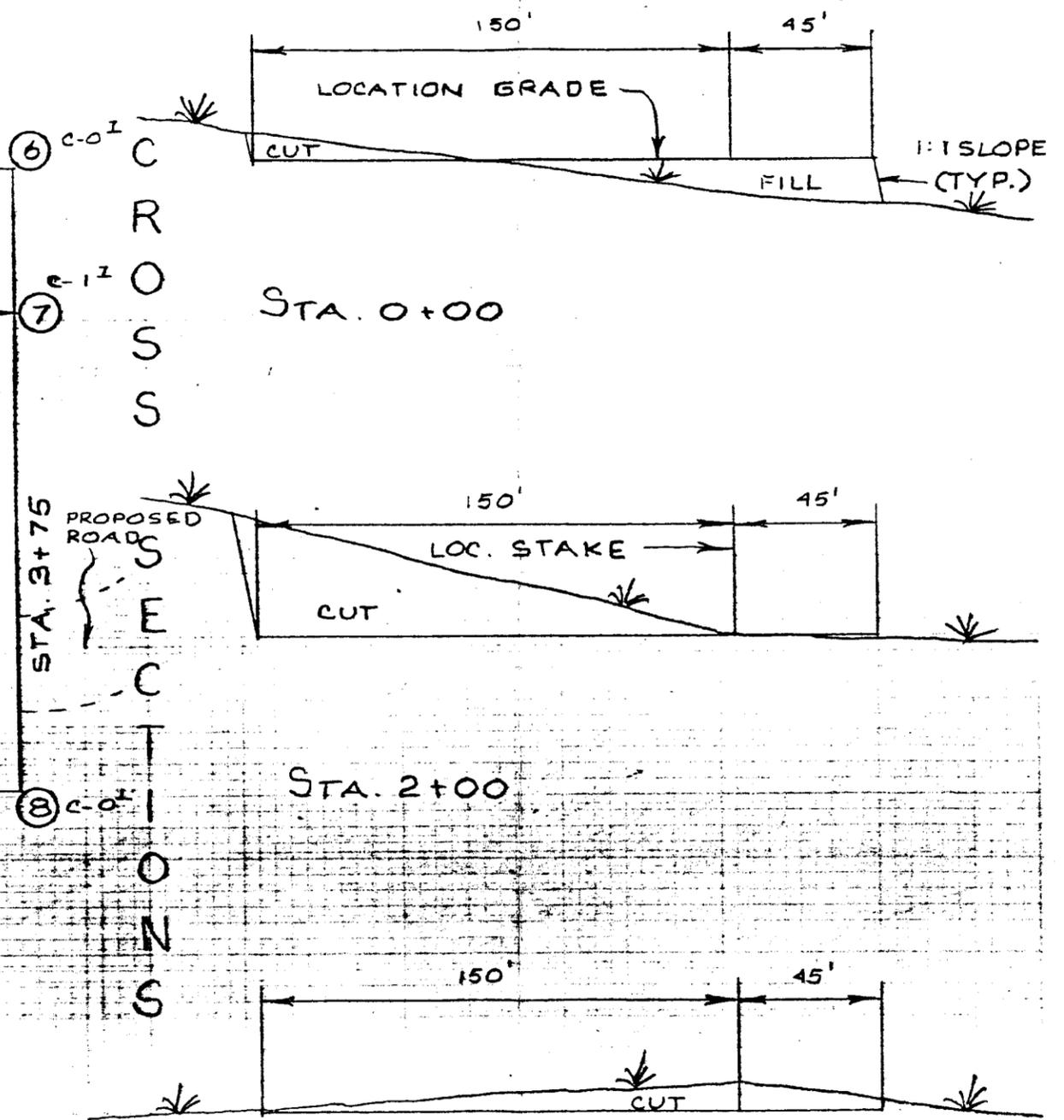
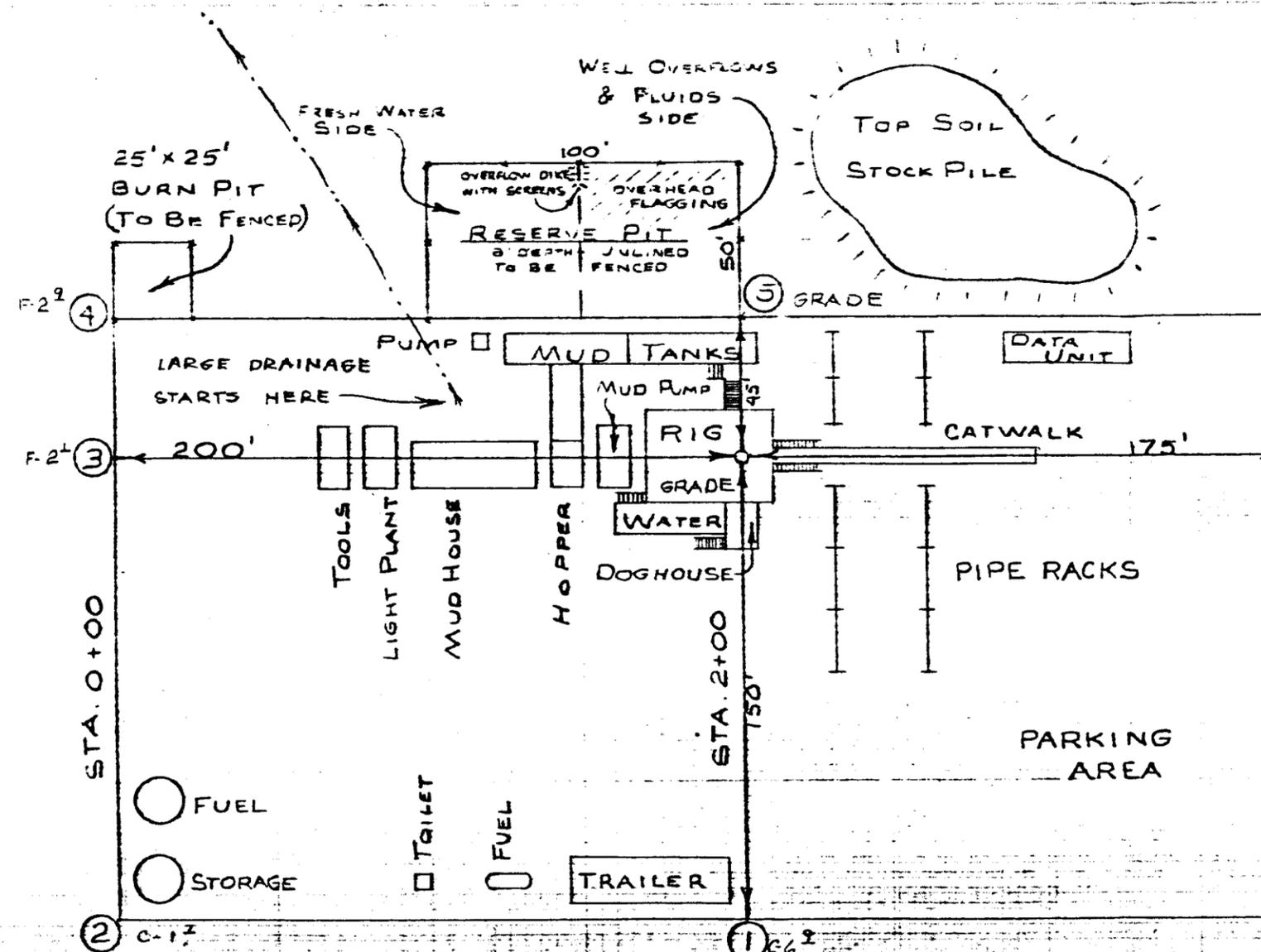
REGISTERED LAND SURVEYOR
REGISTRATION NO 3154
STATE OF UTAH

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

SCALE	1" = 1000'	DATE	9/25/78
PARTY	DA JB RP	REFERENCES	GLO Plat
WEATHER	WARM/PARTLY CLDY.	FILE	C.I.G. EXPLORATION

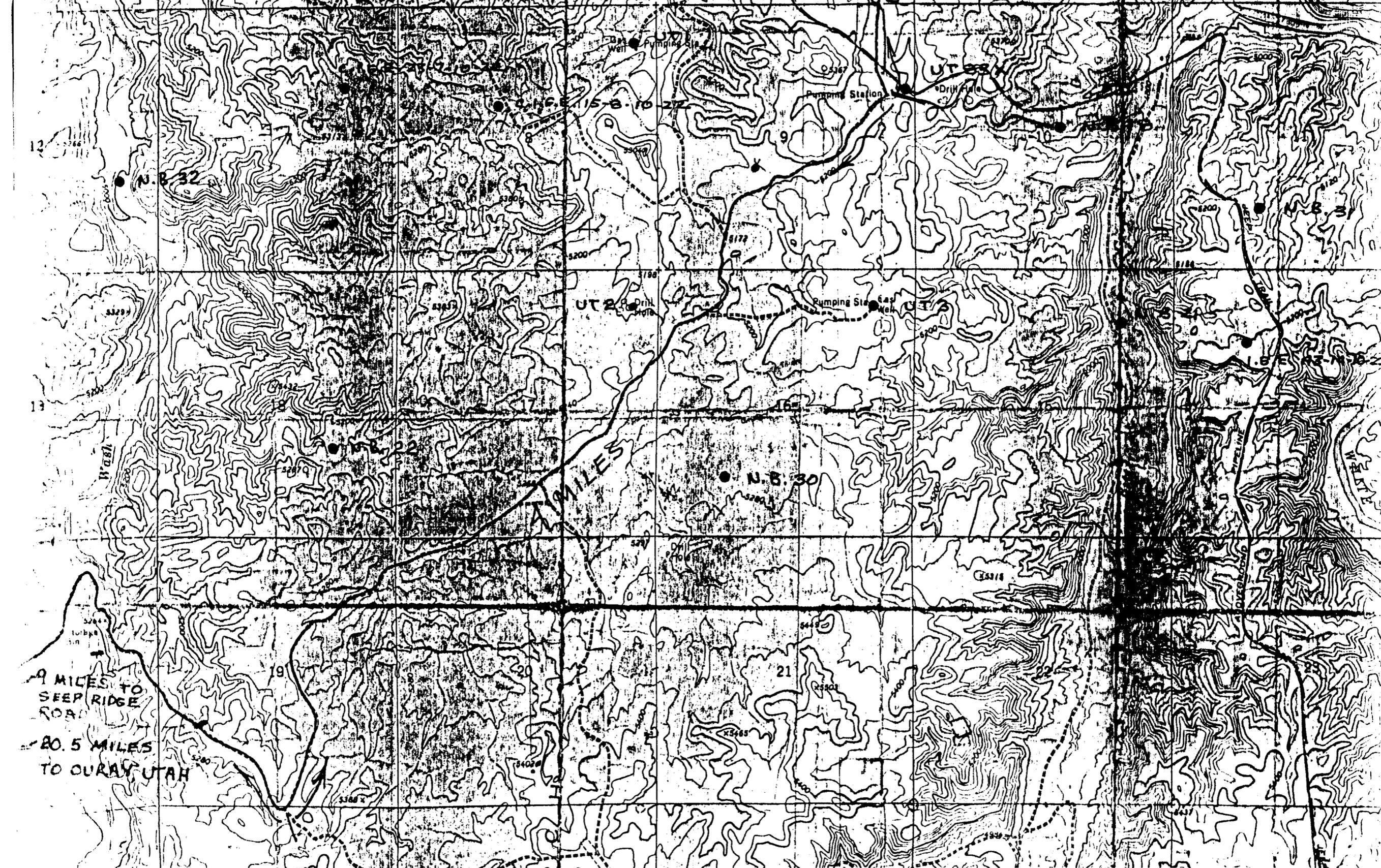
X = Section Corners Located

C.I.G. EXPLORATION
 C.I.G.E. # 51-4-10-22
 LOCATION LAYOUT & CUT SHEET



APPROX. YARDAGES

CUT	4,702 CU YDS.
FILL	782 CU YDS.



C.I.G. EXPLORATION, INC.

C.I.G.E. # 51-9-10-22

TOPO. MAP 'B'



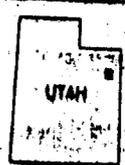
SCALE 1" = 2000'

ROAD CLASSIFICATION

Medium-duty Light-duty

Unimproved dirt

State Route



T9 S
T10 S

PROPOSED LOCATION

PROPOSED PIPELINE

C.I.G. STA 10-22

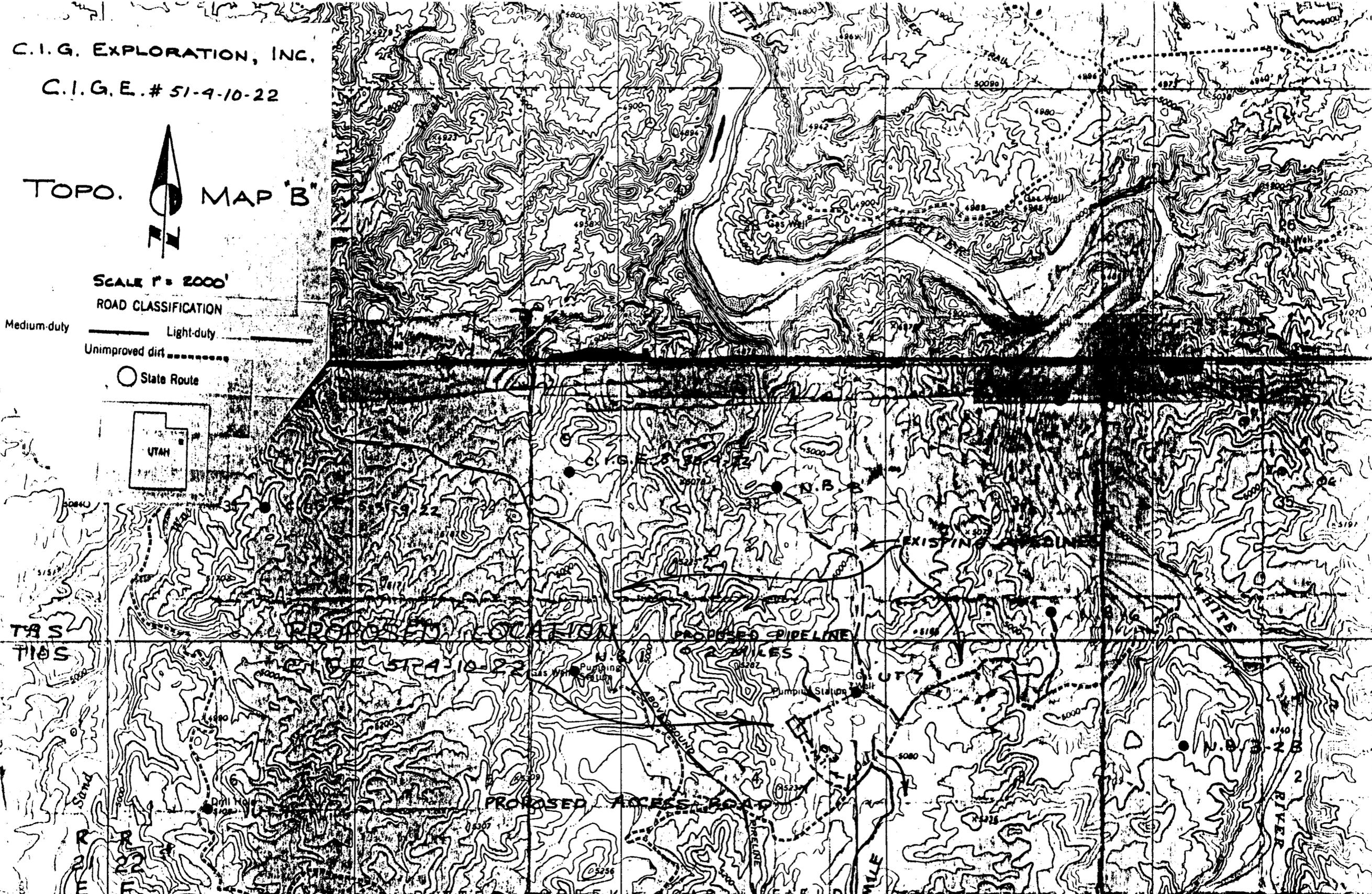
PROPOSED ACCESS ROAD

1 MILE

N. B. 3-2 B

2

RIVER



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
 CIG EXPLORATION, INC.

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

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 At proposed prod. zone
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20. ROTARY OR CABLE TOOLS ROTARY

21. ELEVATIONS (Show whether DF, RT, GR, etc.) 5062' UNGRADED GROUND

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 - (2) BOP SCHEMATIC
 - (3) 13-POINT PROGRAM
 - (4) PLAT
- State of Utah, Department of Natural Resources
 Division of Oil, Gas, and Mining
 1558 West North Temple
 Salt Lake City, Utah 84116

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 R. G. Merrill TITLE SENIOR PETROLEUM ENGINEER DATE October 2, 1978
 R. G. MERRILL

PERMIT NO. _____ APPROVAL DATE _____
 APPROVED BY A. P. Kyzio TITLE AGING DISTRICT ENGINEER DATE DEC 8 1978

CONDITIONS OF APPROVAL ATTACHED TO OPERATOR'S COPY NOTICE OF APPROVAL NECESSARY FLARING OF GAS DURING DRILLING AND COMPLETION APPROVED SUBJECT TO ROYALTY (NTL-4)

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

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

SUBJECT: APD MINERAL EVALUATION REPORT

LEASE NO. U-01191

OPERATOR: CIG EXPLORATION, INC.

WELL NO. CIGE 51-4-10-22

LOCATION: ½ SW ½ NE ¼ sec. 4, T. 10 S., R. 22 E., SLM

UINTAH County, UTAH

1. Stratigraphy: OPERATOR ESTIMATES ARE REASONABLE.

2. Fresh Water: WRD REPORTS THAT USABLE WATER OCCURS TO THE BASE OF THE GREEN RIVER FM. IN THIS AREA.

3. Leasable Minerals: VALUABLE PROSPECTIVELY FOR GILSONITE AND OIL SHALE. MOST VALUABLE OIL SHALE WILL BE FOUND IN THE MAHOGANY ZONE OF THE PARACHUTE CK. MEM. OF THE GREEN RIVER FM AT DEPTHS OF ABOUT 2000' ±.

4. Additional Logs Needed: None

5. Potential Geologic Hazards: NONE ANTICIPATED

6. References and Remarks: USGS FILES SLC UT.
WITHIN BITTER CK KGS

Signature: TRA

Date: 10 - 20 - 78

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

Usual Environmental Analysis

Lease No. U-01191

Operator CIG Exploration Inc.

Well No. CIGE-51-4-10-22

Location 1690 FNL 1781 FEL Sec. 4 T. 10S R. 22E

County Uintah State Utah Field Bitter Creek Field

Status: Surface Ownership BLM Minerals Federal

Joint Field Inspection Date November 15, 1978

Participants and Organizations:

<u>James P. Mitchell</u>	<u>U.S. Geological Survey</u>
<u>Steve Ellis</u>	<u>Bureau of Land Management</u>
<u>Cory Bodman</u>	<u>Bureau of Land Management</u>
<u>Don Shull</u>	<u>CIG Exploration Inc.</u>
<u>Floyd Murray</u>	<u>Dirt Contractor</u>
<u> </u>	<u> </u>
<u> </u>	<u> </u>
<u> </u>	<u> </u>

Related Environmental Analyses and References:

- (1) Seep Ridge Planning Unit BLM Vernal
- (2)

*Pad 195 x 375
Pit 100 x 50
0.3 mi new access
Stockpile topsoil
1.6 cu*

Analysis Prepared by: Jim Mitchell Environmental Scientist
Salt Lake City, Utah
Reviewed by: George Diwachak Environmental Scientist
Salt Lake City, Utah

Date November 16, 1978

Noted - G. Diwachak

Proposed Action:

On October 4, 1978, CIG Exploration Inc. filed an Application for Permit to Drill the No. 51-4-10-22 development well, a 6000-foot gas test of the Wasatch formation; located at an elevation of 5062 ft. in the SW NE section 4 T10S, R.22E on Federal mineral lands and Bureau of Land Management surface; Lease No. U-01191. There was no objection raised to the wellsite nor to the access road.

A rotary rig would be used for the drilling. An adequate casing and cementing program is proposed. Fresh-water sands and other mineral-bearing formations would be protected. A Blowout 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 195 ft. wide x 375ft. long, and a reserve pit 100 ft. wide x 50 ft. long. A new access road will be constructed 18 ft. wide x 0.3 miles long. 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 December 17, 1978 and duration of drilling activities would be about 17 days.

Location and Natural Setting:

The proposed drillsite is approximately 15 miles southeast of Ouray, Utah, the nearest town. A good road runs to within 0.3 miles of the location. This well is in the Bitter Creek field.

Topography:

This location is on a gradual North sloping area at the base of steep narrow E-W trending Ridge with sandstone outcrops along its crest SE of the location.

Geology

The surface geology is Uintah formation. The soil is shallow gray to tan 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 hydro-carbon 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 1.6 acres of land would be stripped of vegetation. This would increase the erosional potential. Proper construction practice, construction of water bars, and reseeding of slope-cut area would minimize this impact.

Air:

No specific data on air quality is available at the proposed location. There would be a minor increase in air pollution due to emissions from rig and support traffic engines. Particulate matter would increase due to dust from travel over unpaved 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 8 to 11 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 8 inches.

Winds are medium and gusty, occurring predominantly from West to East. Air mass inversions are rare.

The climate is semiarid with abundant sunshine, hot summers and cold winters, with temperature variations on a daily and seasonal basis.

Surface-Water Hydrology:

Drainage is toward the White River. Some additional erosion would be expected in the area since surface vegetation would be removed. If erosion became serious, drainage systems such as water bars and dikes would be installed to minimize the problem. The proposed project should have 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 well bore would be possible. The drilling program is designed to prevent this. There is need for more data on hydrologic systems in the area and the drilling of this well may provide some basis information as all shows of fresh water would be reported. Water production with the gas would require disposal of produced water per the requirements of NTL-2B.

The depths of fresh-water 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 of the salt-desert-shrub type. Proposed action would remove about 1.6 acres of vegetation. Removal of vegetation would increase the erosional potential and there would be a minor decrease in the amount of vegetation available for grazing.

The operator proposes to rehabilitate the surface upon completion of operations.

Wildlife:

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, 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. All permanent facilities placed on the location should be painted a light sand color to blend in with the natural environment. Present use of the area is grazing, recreation, and oil and gas activities.

Noise from the drilling operation may temporarily disturb wildlife and people in the area. Noise levels would be moderately high during drilling and completion operations. Upon completion, noise levels would be infrequent and significantly less. If the area is abandoned, noise levels should return to predrilling levels.

The site is 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. 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 Seep Ridge Planning Unit. 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 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 1.6 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 subsurface

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 committment of resources would be made. Erosion from the site would eventually be carried as sediment in the White River. The potential for pollution to the adjacent unnamed drainage to the North would exist through leaks and spills.

Determination:

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

12/4/78
Date

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



514-10-78 C100
House # 401191 SWNE Sec 4, T10S, R22E
Facing N from
mid 100' x 100'

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN TRIPPLICATE
(Other instructions on
reverse side)

Form approved.
Budget Bureau No. 42-R1424.

SUNDRY NOTICES AND REPORTS ON WELLS

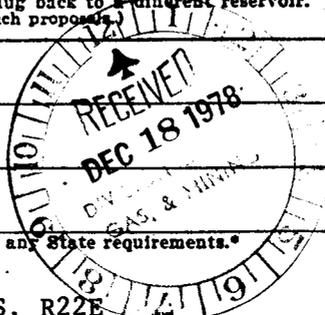
(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL GAS WELL OTHER

2. NAME OF OPERATOR
GAS PRODUCING ENTERPRISES, INC.

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

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*
See also space 17 below.)
At surface
1690' FNL & 1781' FEL, Section 4, T10S, R22E



5. LEASE DESIGNATION AND SERIAL NO.
U-01191

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 51-4-10-22

10. FIELD AND POOL, OR WILDCAT
BITTER CREEK FIELD

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec. 4, T10S, R22E

14. PERMIT NO.
43-047-30513

15. ELEVATIONS (Show whether DF, RT, GR, etc.)
5062' UNGRADED GROUND

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

P.M.

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

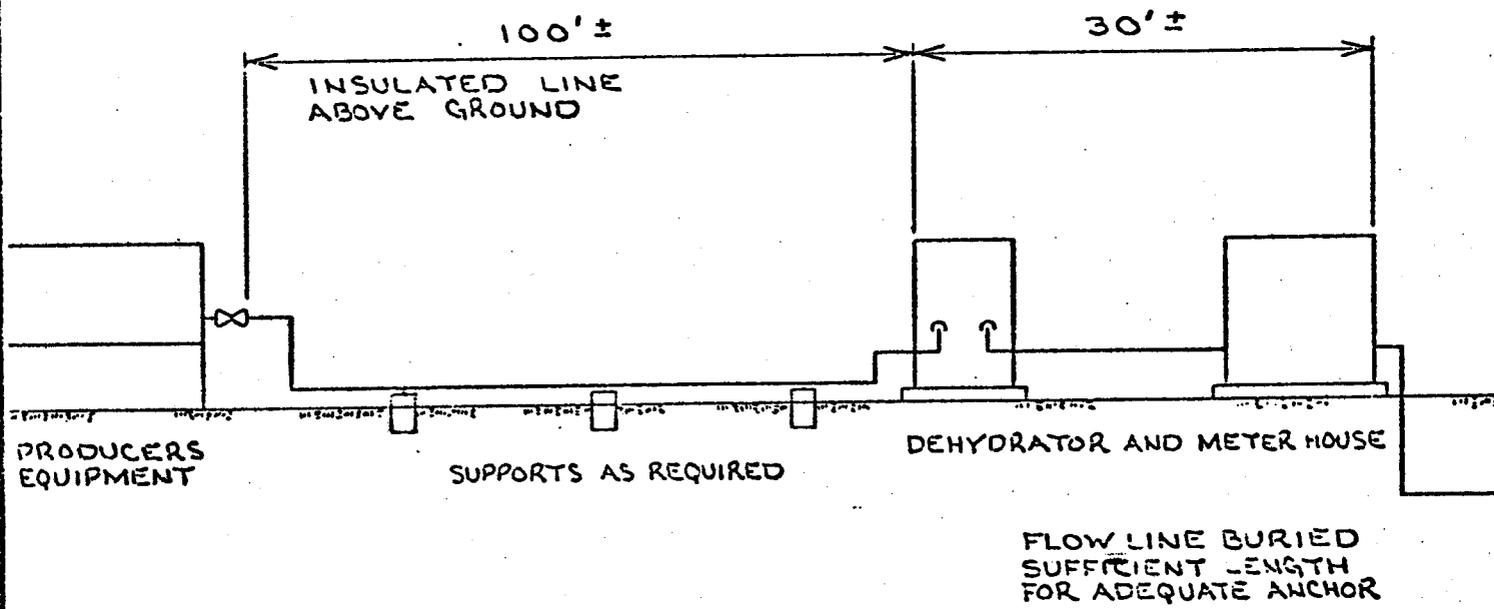
SIGNED *R.M. Merrill* TITLE *S. Pet Eng* DATE *12-14-78*

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side



C O. NO.	DESCRIPTION	DATE	BY	CHK.	APPR.

Colorado Interstate Gas Co.
 COLORADO SPRINGS, COLORADO

TYPICAL WELL HEAD INSTALLATION
 NATURAL BUTTES FIELD

UINTAH COUNTY, UTAH

SCALE: NONE | DRAWN: RWP | APP: _____ | 115FP-2 1/8

DATE: 7-19-77 | CHECK: _____ | I.C. 23858

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

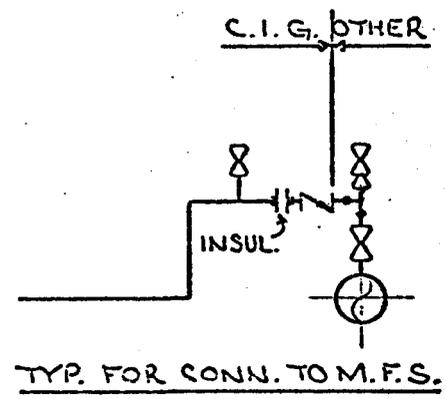
20'±

C.I.G.
C.Y.
S.Y.

EXIST. PIPELINE

ALTERNATE ANCHOR - BURY PIPELINE MIN. OF 18"

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



Colorado Interstate Gas Co.
COLORADO SPRINGS COLORADO

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

JUNTA COUNTY, UTAH

1 23858 REVISE STARTING POINT 8-22-77 RWP

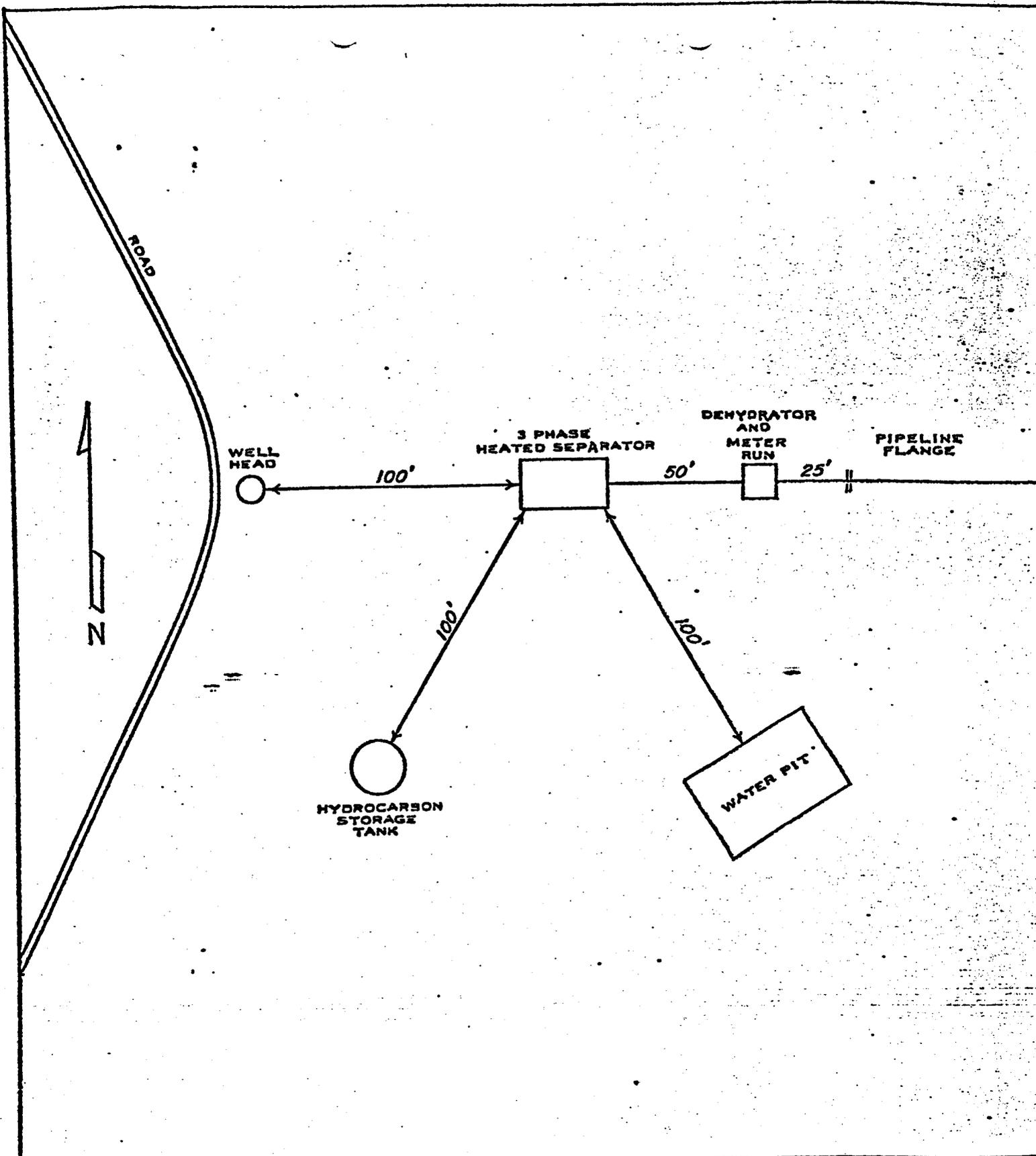
NO. C.O. NO. DESCRIPTION DATE BY CH. APP.

SCALE: NONE DRAWN: RWP APP: M

115FP-1 1/8

REVISIONS

DATE: 7-7-77 CHECK: [Signature] NO. 23858



GAS PRODUCING ENTERPRISES, INC.
DENVER, COLORADO

CIGE 51-4-10-22
Section 4, T10S, R22E
Uintah County, Utah

ESTIMATESKETCH

DATE: 11/13/78

STARTING DATE: _____

EST. COMP. DATE: _____

COMPANY CONTRACT

COLORADO INTERSTATE GAS COMPANY
 NORTHWEST PIPELINE CORPORATION

W. O. NO.: _____

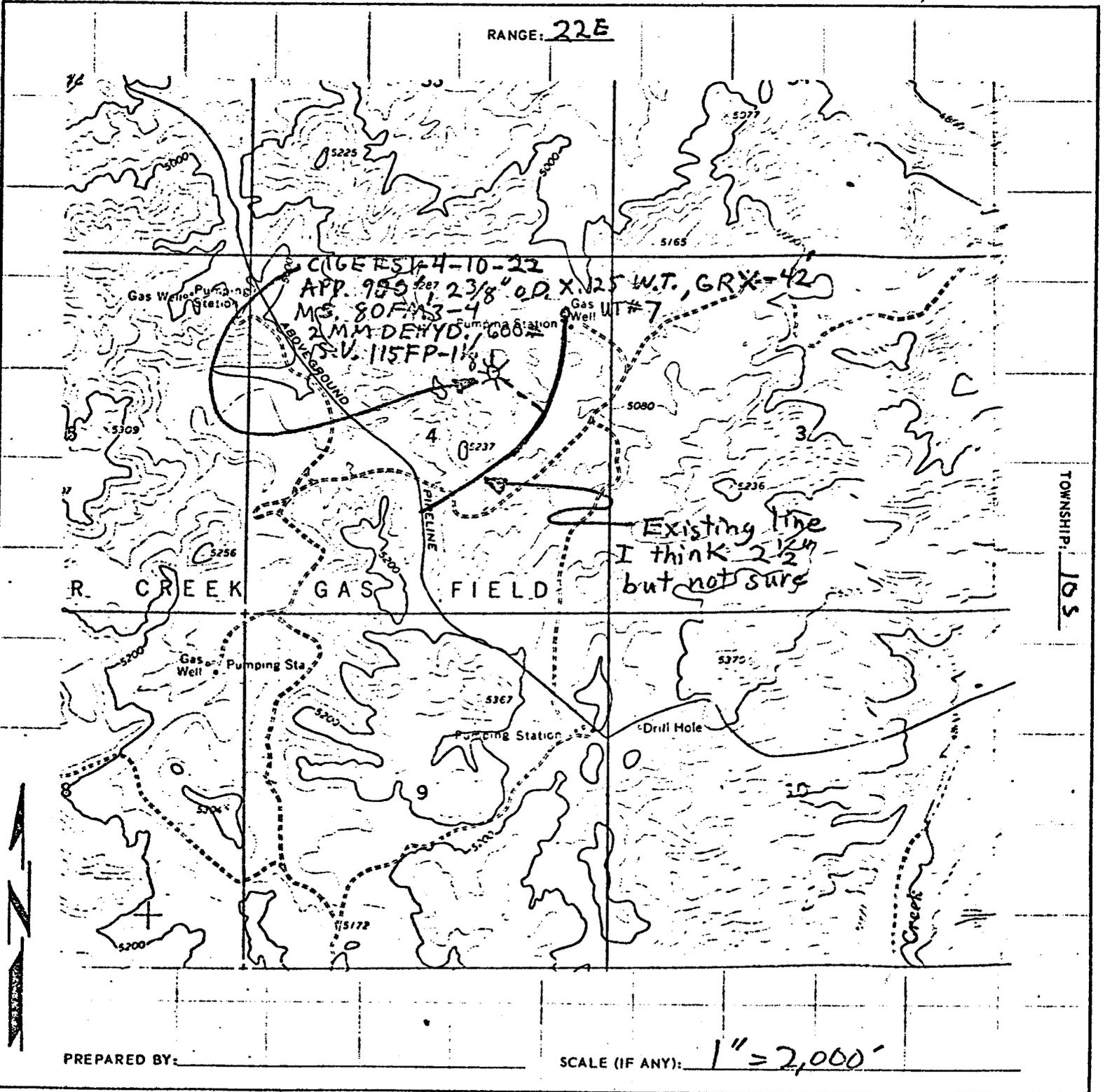
REVISION NO.: _____

BUDGET NO.: _____

RELATED DWG.: 115-F4-101

LOCATION: 1690' FN1, 1781' FEL SECT. 4-10S-22E COUNTY: Utah STATE: Utah
DESCRIPTION OF WORK: Connect CIGE #51-4-10-22 NATURAL BUTTES

REQUESTED BY: _____ APPROXIMATE MILEAGE: _____ PROJECT ENGINEER: QJF



Freehand sketch of location of proposed installation to be constructed or retired showing relative location of existing facilities in area.

Statement for permit to lay flow line, to be included with application for Drilling Permit -- CIGE #51-4-10-22.

Upon approval of all concerned regulatory agencies, CIG proposes to install a surface flow line from CIGE #51-4-10-22 in a Southeasternly direction through the NE/4 of Section 4 connecting to a 2" line from UT #7 in the NE/4 of Section 4, all in T10S-R22E. The line will be approximately 900' long as shown on the attached 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.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

5. LEASE DESIGNATION AND SERIAL NO.	U-01191
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 51-4-10-22
10. FIELD AND FOOT-CRACKS	Natural Buttes CRACKS
11. SEC., T., R., M., OR BLM. AND SURVEY OR AREA	SECTION 24-T10S-R22E
12. COUNTY OR PARISH	UINTAH
13. STATE	UTAH

~~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

*1354' FSL & 1947' FEL SECTION 4-T10S-R22E
At proposed prod. zone
SAME AS ABOVE

FOOTAGE
LOCATION
CHANGE
ONLY

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
APPROXIMATELY 15 MILES SOUTHEAST OF OURAY, UTAH

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drig. unit line, if any) 1354'
16. NO. OF ACRES IN LEASE 1041.78

18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 3540'
19. PROPOSED DEPTH 6000' *with*

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
5093' Ungr. Gr. UNGRADED GROUND

22. APPROX. DATE WORK WILL START*
1/15/80

23. PROPOSED CASING AND CEMENTING PROGRAM

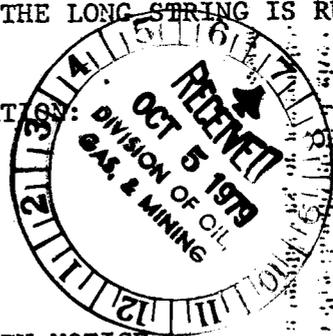
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12-1/4"	9-5/8"	36#	200'	125 sx
7-7/8"	4-1/2"	11.6#		CIRCULATE CEMENT BACK TO SURFACE

FRESH WATER AQUIFERS 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.



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.

SIGNED F. R. Midkiff TITLE DISTRICT SUPERINTENDENT DATE 10/3/79
(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____
APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

6. Continued --

The well will be drilled with fresh water from surface to 4500' with a weight of 8.3 to 8.7 . From 4500' to TD the well will be drilled with fresh wtr mud with a weight from 8.7 to 10.4 . 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: Dual Induction Laterolog
Compensated Neutron-Formation Density

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

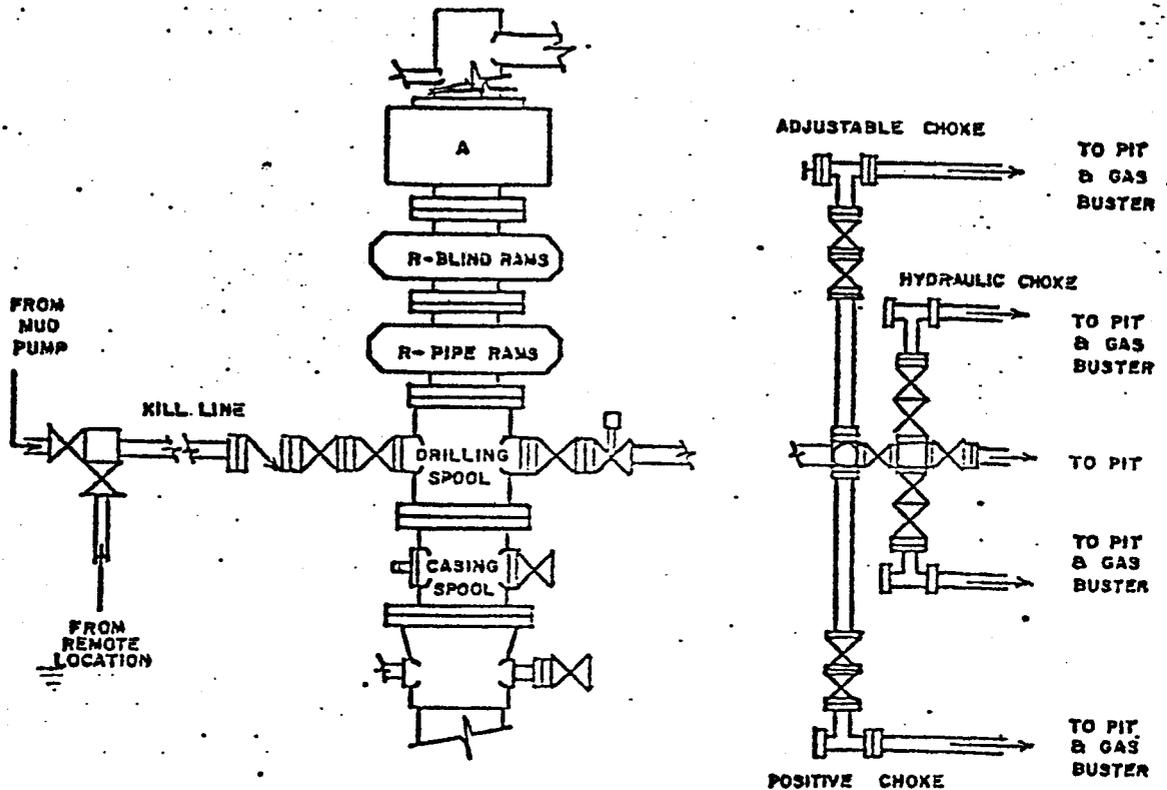
No abnormal pressures or temperatures expected
No hydrogen sulfide expected

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

1/15/80, 3 weeks' duration.

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.

C.I.G. EXPLORATION INCORPORATED

13 Point Surface Use Plan

For

Well Location

C.I.G.E #51-4-10-22

Located In

Section 4, T10S, R22E, S.L.B. & M.

Uintah County, Utah

1. EXISTING ROADS

See attached Topographic Map "A".

To reach C.I.G. Exploration Incorporated well location C.I.G.E. #51-4-10-22 located in the NW $\frac{1}{4}$ SE $\frac{1}{4}$ Section 4, 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 State Highway 88; proceed South along Utah State Highway 88, 10 miles to Ouray, Utah; proceed along South on a county road known as the Seep Ridge Road, \pm 11.5 miles to the junction of this road and 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 Northeasterly along this road 1.6 miles to its junction with a road to the Southeast; proceed along Northeasterly 2.4 miles to the junction of this road and a road to the North; proceed Northerly along this road 1 mile to its junction with a road to the Southwest; proceed Southwesterly along this road 0.4 miles to the 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 to the oil field service road.

The aforementioned dirt oil field service road and other roads in the vicinity are constructed out of native materials that are prevalent to the 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, completion phase, and the production phase of this well at such time that 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 is no planned access road required for this location as the existing road, described in Item #1, passes through the proposed location site and will facilitate the traffic necessary for the drilling, completion, and production phases of this well.

The existing road will be re-routed around the location site, as shown on the map, to facilitate the flow of traffic.

3. LOCATION OF EXISTING WELLS

See Topographic Map "B".

There are four existing gas wells within a one mile radius of this location site. One belongs to C.I.G. Exploration Incorporated and the other three belong to Gas Producing Enterprises. There is also one abandoned well located in the SW $\frac{1}{4}$ NW $\frac{1}{4}$ Section 10, T10S, R22E, S.L.B. & M. (See Topographic Map "B" for the location of each in relation to the proposed location site.)

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

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

At the present time there are other C.I.G. Exploration Incorporated batteries, production facilities, and gas gathering lines within a one mile radius.

There are no oil gathering lines, injection lines, or disposal lines within a one mile radius. (See Topographic Map "B" for the location of these relative to the proposed location site.)

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

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 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.

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

The proposed gas flow line will be an 18' right of way which will run in an Easterly direction approximately 1500' to an existing pipeline in the SE $\frac{1}{4}$ SE $\frac{1}{4}$ of Section 4, T10S, R22E, S.L.B. & M. (See Topographic Map "B").

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 "A".

Water to be used for the drilling and production of this well will be hauled from the White River at a point near the Mountain Fuel Bridge located in the SW $\frac{1}{4}$ NE $\frac{1}{4}$ Section 17, T9S, R22E, S.L.B.& M. The water will be hauled by truck over existing roads to the proposed location site, a distance of approximately 19 miles.

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

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

6. SOURCE OF CONSTRUCTION MATERIAL

All construction material for this location site and access road shall be borrow material 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 material that will be used in the construction of this location site and access road will consist of sandy-clay soils and sandstone and shale material gathered in actual construction of the road and location.

7. METHODS OF 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 one half of this depth shall be below the surface of the existing ground.

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 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 drilling activities are completed, it will be fenced on the fourth side and allowed to dry completely prior to the time backfilling and reclamation activities are attempted.

7. METHODS OF HANDLING WASTE DISPOSAL - continued

When the reserve pit dries and 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 pit will be constructed and fenced on all four sides with a small mesh wire to prevent flammable materials from escaping and creating a fire hazard.

A portable chemical toilet will be supplied for human waste.

All produced gas from this well will be contained in the storage tank and will be sold. Water, if any, which is produced will be run into a reserve pit as required in the NTL-2B Regulations.

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 #6, 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 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.) When all drilling and production activities have been completed, the location site and access road will be reshaped to the original contour and stockpiled 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 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")

The area slopes from the rim of the Book Cliff Mountains to the South to the Green 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 sandstone, conglomerate, and shale deposits.

The majority of the washes and streams in the area are non-perennial in nature with the only one in the area having a year round flow being White River to the Northeast, of which the numerous washes, draws, and non-perennial streams are tributaries.

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

All drainages in the immediate area are non-perennial, flowing to the Northeast, and are tributaries to the White River.

The soils of this semi-arid area are of the Uinta Formation and Duchesne River Formation (Fluvial Sandstone and Mudstone) from Eocene Epoch and Quaternary Epoch (Gravel 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, conglomerate, and shale).

Due to the low precipitation average, climatic conditions, and marginal types of soil, 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 soil devoid of any growth. In the areas from and in the vicinity of non-perennial streams, and 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 mule deer, coyotes, pronghorn antelope, rabbits, 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")

C.I.G. EXPLORATION INCORPORATED
C.I.G.E #51-4-10-22
Section 4, T10S, R22E, S.L.B. & M.

11. OTHER INFORMATION - continued

C.I.G.E. #51-4-10-22 location site sits on a relatively flat area which slopes to the North into the White River. The White River is the only perennial stream in the area and lies approximately 1.5 miles North-east of the location.

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

The ground slopes from the South through the location to the North at approximately a 4% grade.

There is a small drainage that runs through the location site which will be re-routed around the site as shown on the location layout and cut sheet.

All lands involved in this description are under B.L.M. jurisdiction.

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
C.I.G. Exploration Incorporated
P.O. Box 749
Denver, Colorado 80201

Telephone: 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 C.I.G. Exploration Incorporated and its contractors and sub-contractors in conformity with this plan and the terms and conditions under which it is approved.

Date

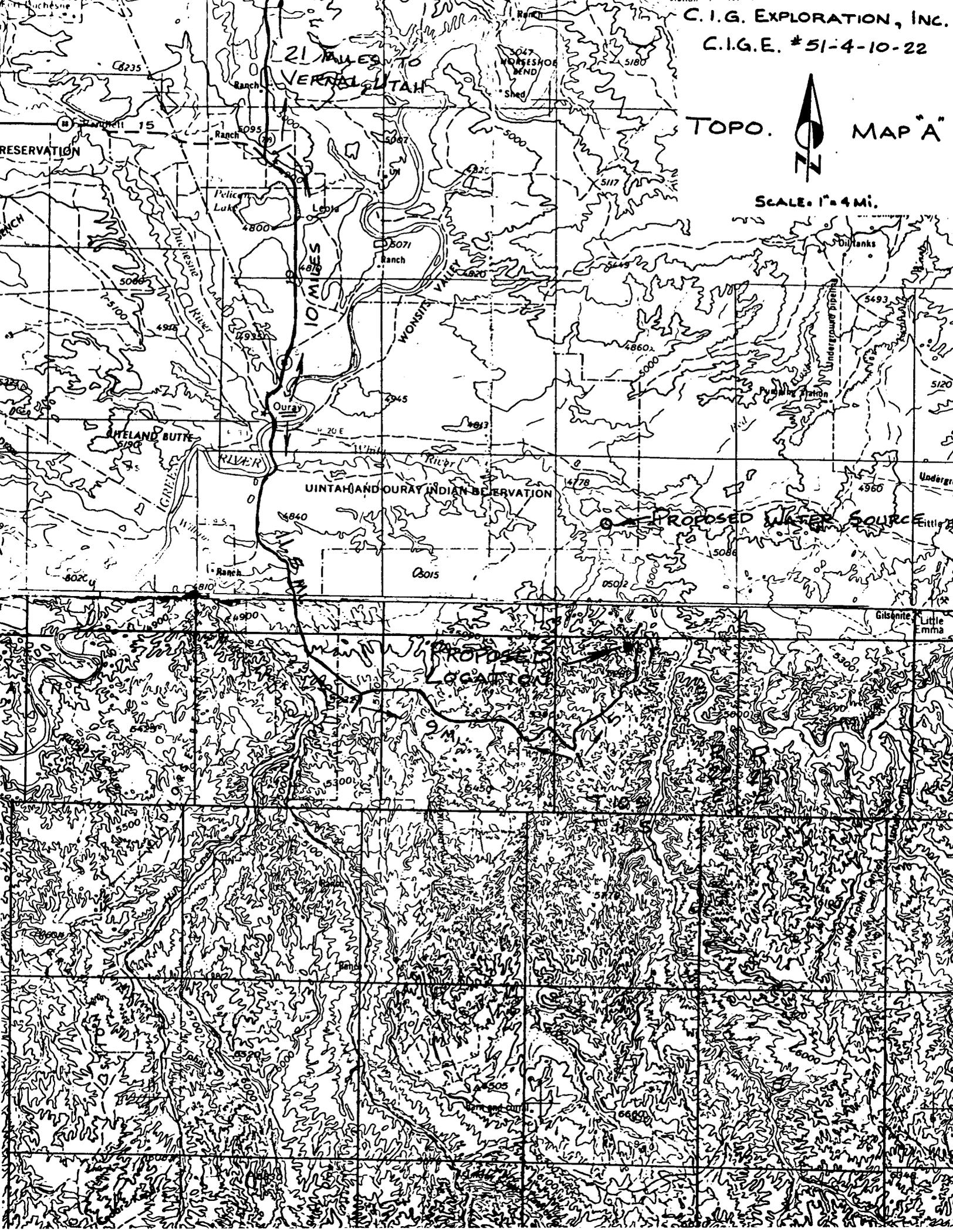
10/3/79

Frank R. Midkiff
Frank R. Midkiff

TOPO. MAP "A"



SCALE: 1" = 4 Mi.



21 MILES TO VERNAL UTAH

IO MIES

UINTAH AND OURAY INDIAN RESERVATION

PROPOSED WATER SOURCE

PROPOSED LOCATION

RESERVATION

UTELAND BUTTE

OURAY RIVER

GREEN RIVER

WONSTER VALLEY

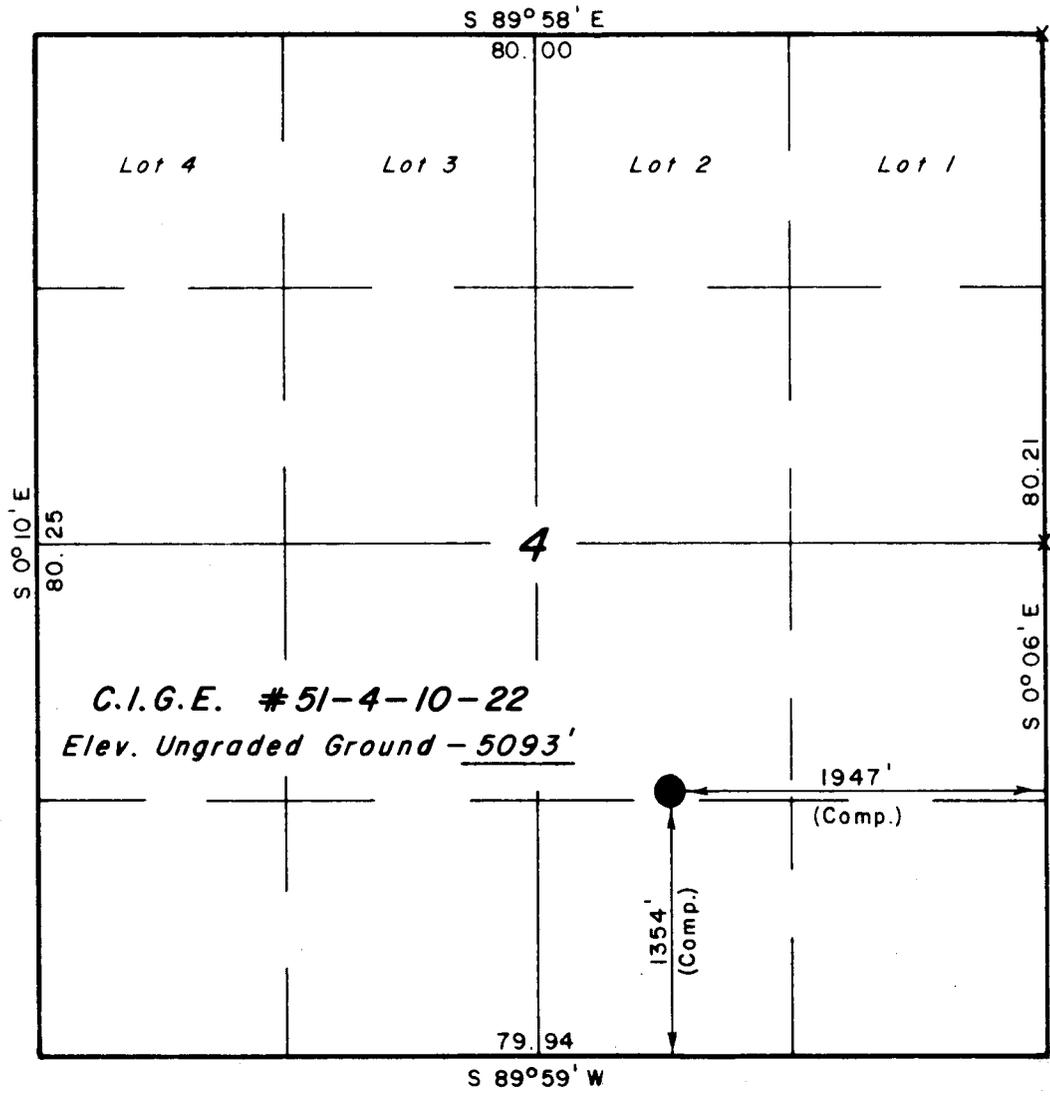
Gillette Little Emma

PROJECT

C.I.G. EXPLORATION INC.

Well location, *C.I.G.E. #51-4-10-22*, located as shown in the NW 1/4 SE 1/4 Section 4, T10S, R22E, S.L.B. & M. Uintah County, Utah.

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



CERTIFICATE

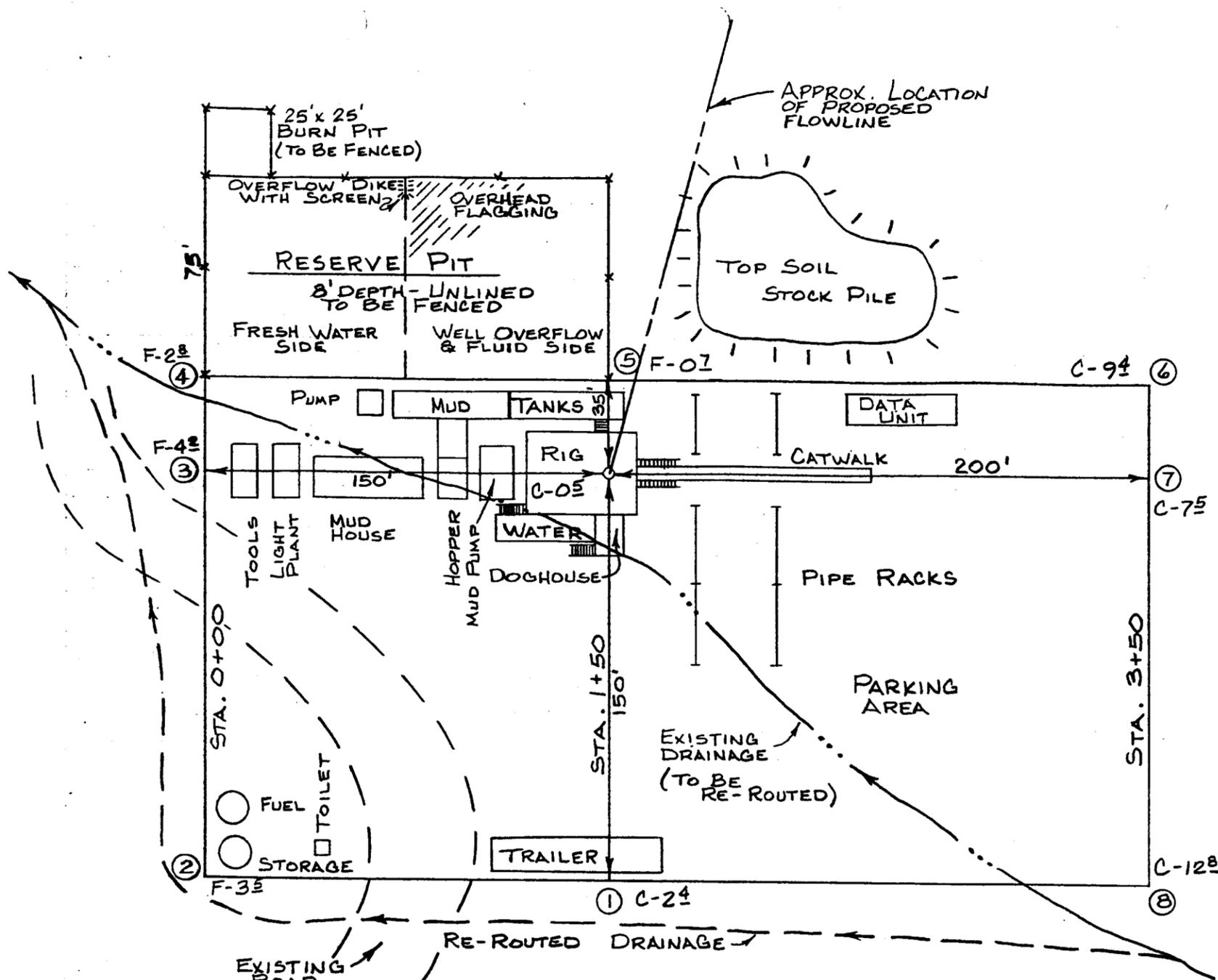
I HEREBY CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF A REAL SURVEY MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

REGISTERED LAND SURVEYOR
REGISTRATION NO 2454
STATE OF UTAH

X = Section Corners Located

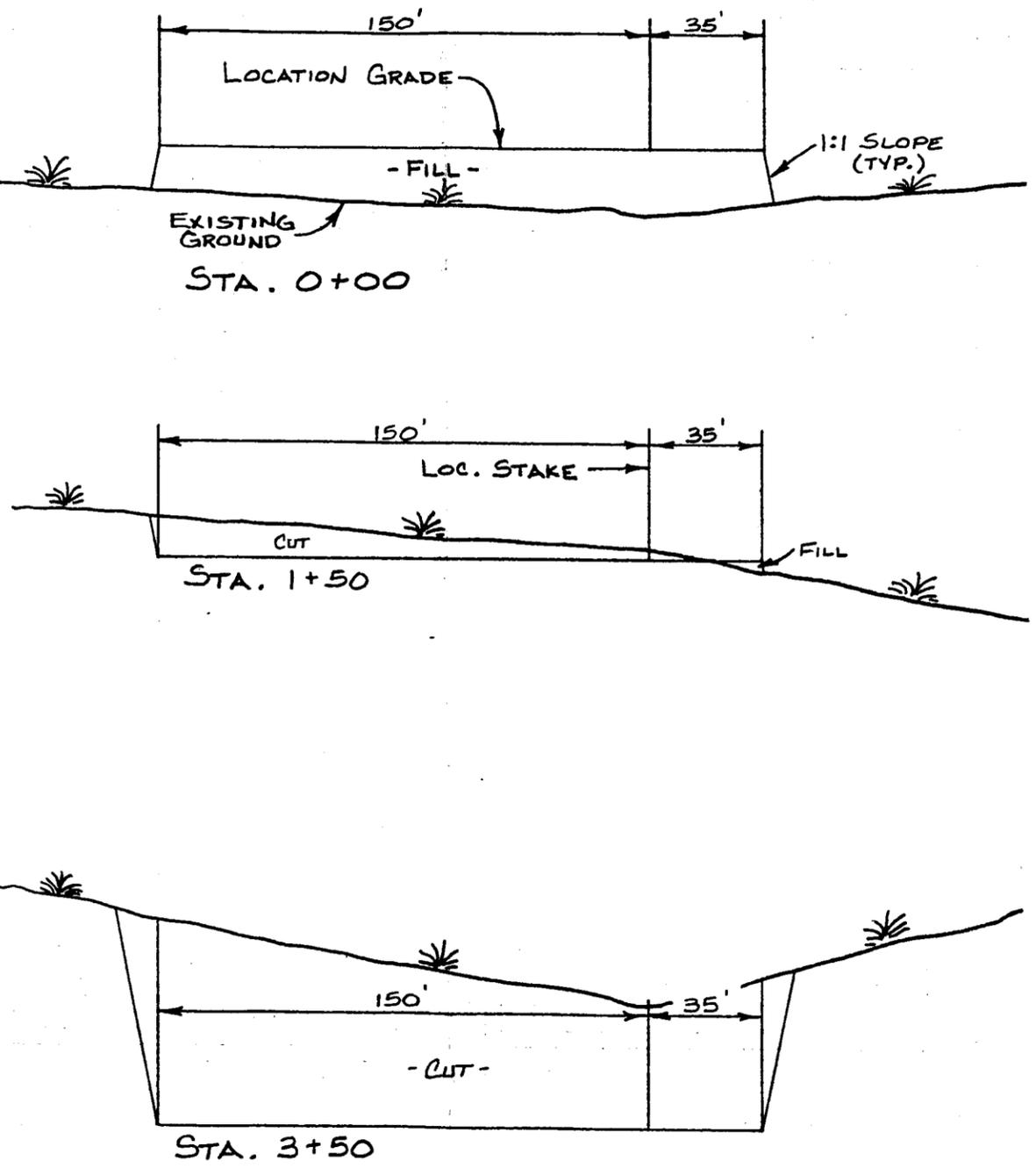
UINTAH ENGINEERING & LAND SURVEYING			
P.O. BOX Q - 110 EAST - FIRST SOUTH			
VERNAL, UTAH - 84078			
SCALE	1" = 1000'	DATE	6/25/79
PARTY	LDT DS DW DJ	REFERENCES	GLO Plat
WEATHER	Warm / Clear	FILE #	CIGE

C.I.G. EXPLORATION
 CIGE # 51-4-10-22
 LOCATION LAYOUT & CUT SHEET



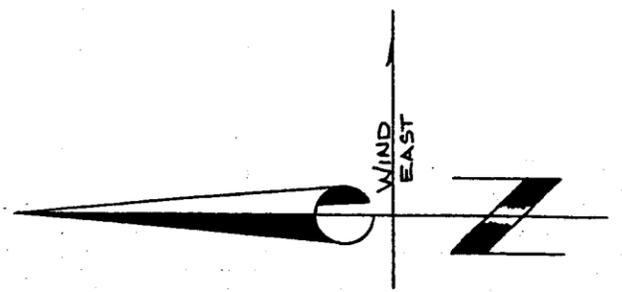
C
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EXISTING ROAD
 (TO BE RE-ROUTED AROUND PITS AS SHOWN)

SOILS LITHOLOGY
 -NO SCALE-



SCALE - 1" = 50'

SCALE
 1" = 50'

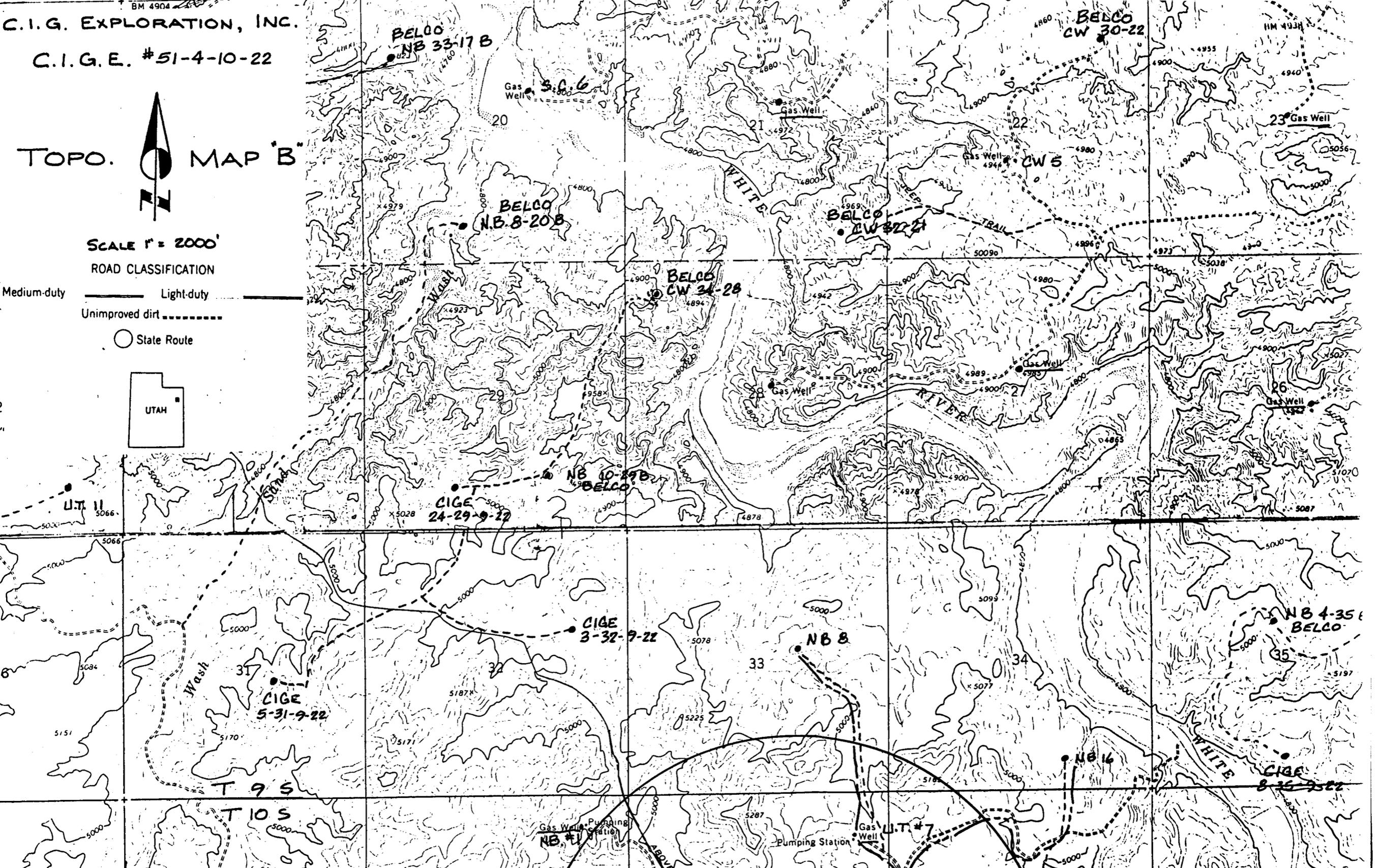
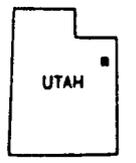
APPROX. YARDAGES
 CUT - 8,673 Cu. Yds.
 FILL - 1,909 Cu. Yds.



SCALE 1" = 2000'

ROAD CLASSIFICATION

- Medium-duty
- Light-duty
- Unimproved dirt
- State Route



UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

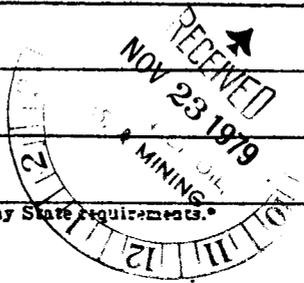
SUBMIT IN TRIPL
(Other instructions
reverse side)

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 <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER		5. LEASE DESIGNATION AND SERIAL NO. U-01191
2. NAME OF OPERATOR GAS PRODUCING ENTERPRISES, INC. (CIG Exploration)		6. IF INDIAN, ALLOTTEE OR TRIBE NAME N/A
3. ADDRESS OF OPERATOR P. O. BOX 749, DENVER, CO 80201		7. UNIT AGREEMENT NAME NATURAL BUTTES UNIT
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface 1354' FSL & 1947' FEL - SECTION 4-T10S-R22E		8. FARM OR LEASE NAME NATURAL BUTTES
14. PERMIT NO. 43-047-30638		9. WELL NO. CIGE 51-4-10-22
15. ELEVATIONS (Show whether DF, RT, CR, etc.) 5093' UNGRADED GROUND		10. FIELD AND POOL, OR WILDCAT BITTER CREEK FIELD
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA SECTION 4-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

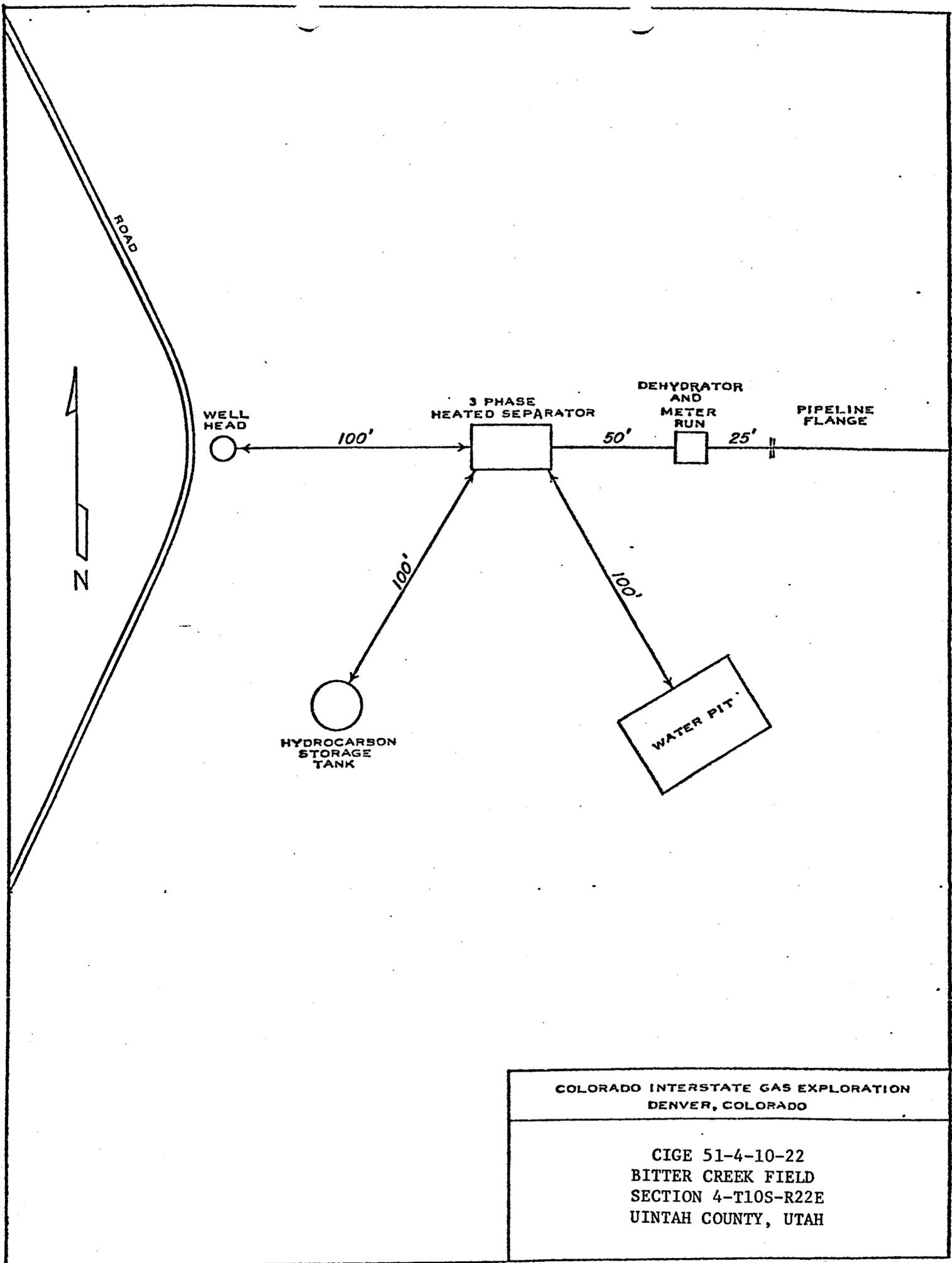
IRA K. McCLANAHAN AT (303) 473-2300

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

SIGNED *[Signature]* TITLE DRILLING SUPERINTENDENT DATE November 19, 1979

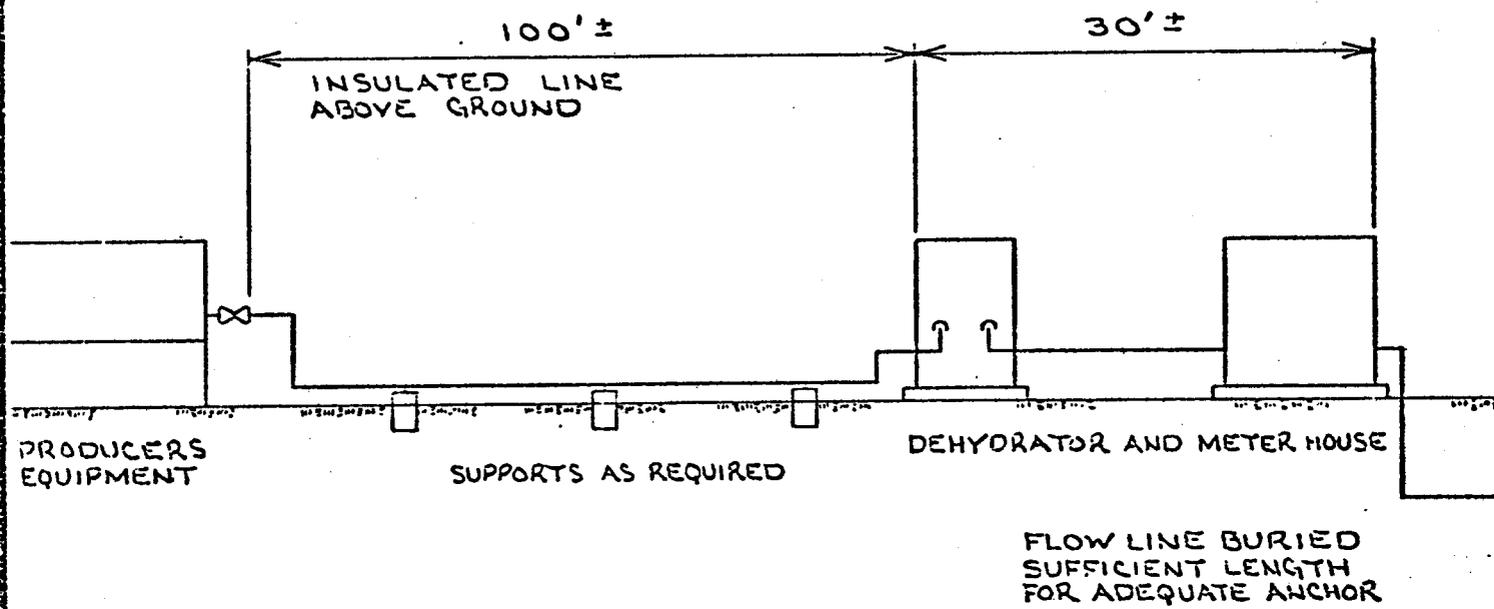
(This space for Federal or State office use)

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



COLORADO INTERSTATE GAS EXPLORATION
DENVER, COLORADO

CIGE 51-4-10-22
BITTER CREEK FIELD
SECTION 4-T10S-R22E
UINTAH COUNTY, UTAH



Colorado Interstate Gas Co.
 COLORADO SPRINGS, COLORADO

TYPICAL WELL HEAD INSTALLATION
 NATURAL BUTTES FIELD

UINTAH COUNTY, UTAH

C O. NO.	DESCRIPTION	DATE	BY	CHK.	APPR.	SCALE: NONE	DRAWN: RWP	APP:	115FP-2 1/8
REVISIONS						DATE: 7-13-77	CHECK:	C O. 23858	

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

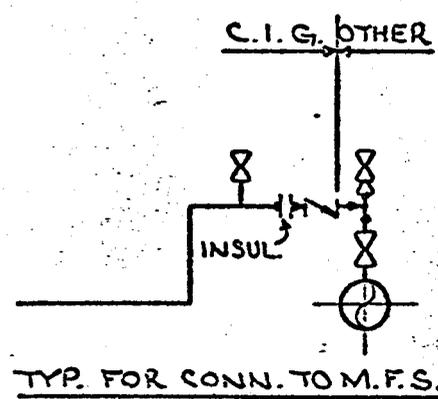
20'±

O. B. 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	2385B	REVISE STARTING POINT	8-22-77	RWP	
---	-------	-----------------------	---------	-----	--

NO.	C.O. NO.	DESCRIPTION	DATE	BY	CHK.	APP.	SCALE: NONE	DRAWN: RWP	APP: AM	115FP-1 1/8
REVISIONS							DATE: 7-7-77	CHECK: [Signature]	C O 2385B	

ESTIMATE SKETCH

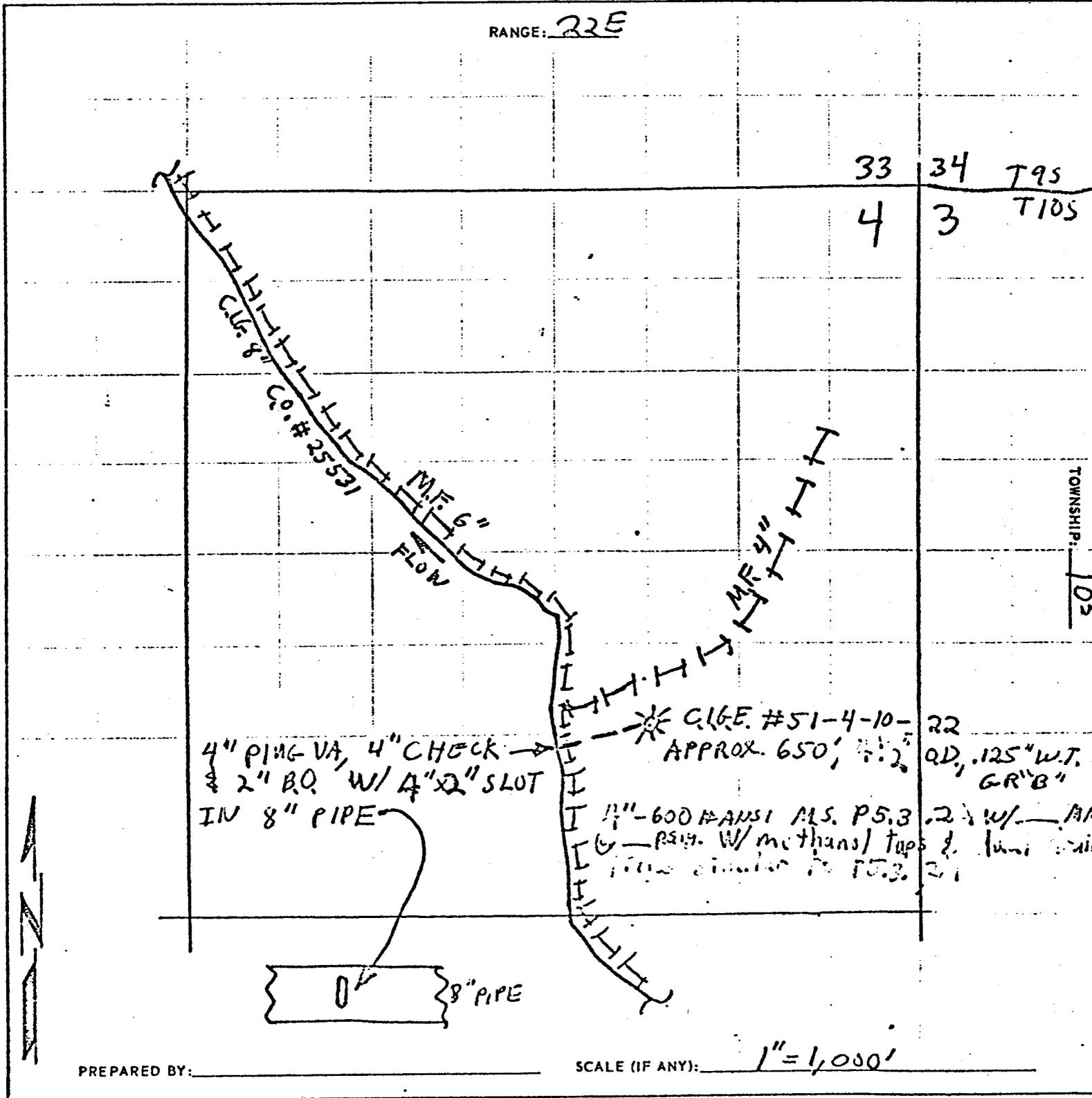
DATE: 8-15-79
STARTING DATE:
EST. COMP. DATE:
 COMPANY CONTRACT

COLORADO INTERSTATE GAS COMPANY
 NORTHWEST PIPELINE CORPORATION

W. O. NO.:
REVISION NO.:
BUDGET NO.:
RELATED DWG.: IISFU-100

LOCATION: 1354' FSL, 1474' FEL, SEC. 4-10s - 22E COUNTY: Uintah STATE: Utah
DESCRIPTION OF WORK: Connect CIG.E #51-4-10-22 Natural Buttes

REQUESTED BY: APPROXIMATE MILEAGE: PROJECT ENGINEER: JFK



Statement for permit to lay flow line, to be included with application for Drilling Permit --

Upon approval of all concerned regulatory agencies, CIG proposes to install a surface flow line from CIGE #51-4-10-22 in a westernly direction through the SE/4 of Section 4 connecting to line (F165-8") in the SE/4 of Section 4, all in 10S-22E. The line will be approximately 650' long as shown on the attached sketches.

Pipe will be 4-1/2" O.D. x .125" W.T., Grade "B". 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. Magnesium anodes will be installed at the dehydrator, meter setting, road crossings, underground piping at stream crossings, and at producer's separator for corrosion protection.

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.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

DUPLICATE COPY

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
1354' FSL & 1947' FEL SECTION 4-T10S-R22E
 At proposed prod. zone
SAME AS ABOVE

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
APPROXIMATELY 15 MILES SOUTHEAST OF OURAY, UTAH

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drig. unit line, if any) 1354'

16. NO. OF ACRES IN LEASE
 1041.78

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. 3540'

19. PROPOSED DEPTH
 6000'

20. ROTARY OR CABLE TOOLS
 ROTARY

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
 5093' Ungr. Gr. **UNGRADED GROUND**

22. APPROX. DATE WORK WILL START*
 1/15/80

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#	TO	CIRCULATE CEMENT BACK TO SURFACE

FRESH WATER AQUIFERS 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.

CONDITIONS OF APPROVAL ATTACHED TO OPERATOR'S COPY

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 *B. R. Middleiff* TITLE DISTRICT SUPERINTENDENT DATE 10/3/79
 F. R. MIDDLEIFF

RECEIVED

FEB 2 1980

DIVISION OF OIL, GAS & MINING

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY (ORIG. SGD.) E. W. GUYNN TITLE DISTRICT ENGINEER DATE FEB 21 1980

CONDITIONS OF APPROVAL, IF ANY:
 NOTICE OF APPROVAL
Utah State Oil & Gas

State of Utah, Department of Natural Resources
 Division of Oil, Gas, and Mining
 1000 West North Temple
 Salt Lake City, Utah 84116

*See Instructions on Reverse Side

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

DT: APD MINERAL EVALUATION REPO

LEASE NO. U01191

FOR: CIG EXPLORATION

WELL NO. CTGE 51-4-10-22

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

Uintah County, Utah

stratigraphy: Uinta Fm - surface

Green River 1000' (+4093)

Wasatch 4275 (+818)

fresh Water: Fresh water may be present in the Uinta Fm.

valuable Minerals: Valuable prospectively for oil shale.

Additional Logs Needed: APD program is adequate

potential Geologic Hazards: Leach sands below rich oil shale beds may
cause circulation loss.

References and Remarks: U.S.G.S. Map I-736
Within Bitter Creek KGS.

Signature: J. Paul Matheny

Date: 11 - 5 - 77

United States Department of the Interior
Geological Survey
2000 Administration Bldg.
1745 West 1700 South
Salt Lake City, Utah 84138

Usual Environmental Analysis

Lease No.. U-01191

Operator. CIG Exploration, Inc.

Well No.: 51-4-10-22

Location: 1354' FSL ^{1947'} ~~1957'~~ FEL Sec.: 4 T.: 10 R.: 22

County: Uintah State: Utah Field: Bitter Creek

Status: Surface Ownership: Public Minerals: Federal

Joint Field Inspection Date: November 1, 1979

Participants and Organizations:

Greg Darlington	USGS Vernal
Ron Rogers	BLM Vernal
Brad Palmer	BLM Vernal
Dempsey Day	CIG Exploration

Related Environmental Analyses and References:

Unit Resources Analysis, Rainbow Planning Unit, BLM, Vernal.

Analysis Prepared by: Grey Darlington Environmental Scientist Vernal, Utah	Reviewed by: George Diwachak Environmental Scientist Salt Lake City, Utah
----------------------------------------------------------------------------------	---------------------------------------------------------------------------------

Date: November 5, 1979

*Pad 185' x 350'
Pit 75' x 150'
200ft x 18' new access
Flow line incl
400' - Rto changed
Stackpile to P501
1810 ac
Mitigations
G-C*

PS6

Proposed Action:

On October 4 1979, CIG Exploration filed an Application for Permit to Drill the No. 51-4-10-22 development well, a 6000 foot oil and gas test of the Wasatch Formation, located at an elevation of 5093 ft. in the NW/4 SE/4 Section 4-T10S-R22E on Federal mineral lands and Public surface, lease No. U-01191. There was no objection to the wellsite nor to the access road.

A rotary rig would be used for the drilling. An adequate casing and cementing program is proposed. Fresh-water sands and other mineral-bearing formations would be protected. A Blowout Preventor would be used during the drilling of the well. The proposed pressure rating should be adequate. Details of the operator's NTL-6 10-Point Subsurface Plan 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. The 13-Point Surface Protection Plan is on file in the District Office in Salt Lake City.

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

The operator proposes to construct a drill pad 185 ft. wide x 350 ft. long and reserve a pit 75 ft. x 150 ft. A new access road would be constructed 18 ft. wide x 200 feet long to reroute the existing maintained road to the north side of the proposed pad. The operator proposes to construct production facilities on disturbed area of the proposed drill pad. The anticipated starting date is January 15 and duration of drilling activities would be about 21 days.

Plans for a pipeline route were evaulated at the onsite inspection. The route was changed to run in a north westerly direction approximately 400 ft. to an existing line in NE/4 SW/4 Section 4-T10S-R22E. The flowline would be 3 an 18 inch right-of-way and be entirely on lease No. U-01191. Disturbances would be minimal as the line would be constructed above ground.

Location and Natural Setting:

The proposed drillsite is approximately 15 miles southeast of Ouray, Utah the nearest town. A fair road runs to the location. This well is in the Bitter Creek field.

Topography:

The location is surrounded by small ridges and is crossed by various small non-perennial drainages which converge near the north side of the pad proceed in a northerly direction to the White River about 1.7 miles distant from the well-site.

Geology

The surface geology is the Uinta formation.

The soil is a sandy clay intermixed with shale rocks and gravels.

No geologic hazards are known near the drillsite.

Seismic risk for the area is minor. Anticipated geologic tops are filed with the 10-Point Subsurface Protection Plan.

Approval of the proposed action would be conditioned that adequate and sufficient electric density logging surveys would be made to locate and identify any potential mineral resources. Production casing and cementing would be adjusted to assure no influence of the hydrocarbon zones through the well bore on these minerals. In the event the well is abandoned, cement plugs would be placed with drilling fluid in the hole to assure protection of any mineral resources.

The potential for loss of circulation would exist. Loss of circulation may result in the lowering of the mud levels, which might permit exposed upper formations to blow out or to cause formations 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 in to 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 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 road per the recommendations of the Bureau of Land Management.

Approximately 1.8 acres of land would be stripped of vegetation. This would increase the erosional potential. Proper construction practice, construction of water bars, reseeding of slope-cut area would minimize this impact.

The existing drainages will be rerouted to the west side of the pad to partially mitigate the problems of drainage and erosion at the site.

Air:

No specific data on air quality is available at the proposed location. There would be a minor increase in air pollution due to emissions from rig and support traffic engines. Particulate matter would increase due to dust from travel over unpaved dirt roads. The potential for increased air pollution due to leaks, spills, and fire would be possible.

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

Toxic or noxious gases would not be anticipated. ✓

Precipitation:

Annual rain fall should range from about 8" to 11" at the proposed location. The majority of the numerous drainages in the surrounding area are of a non-perennial nature flowing only during early spring runoff and during extremely heavy rain storms. This type of storm is rather uncommon as the normal annual precipitation is around 8".

Winds are medium and gusty, occurring predominately from west to east. Air mass inversions are rare. The climate is semi-arid with abundant sunshine, hot summers and cold winters with temperature variations on a daily and seasonal basis.

Surface Water Hydrology:

The location is crossed by several non-perennial drainages which intersect near the north side of the proposed pad and then proceed to the White River about 1.7 miles northeast of the location. The White River is a tributary of the Green River.

These small drainages would be rerouted to the west side of the pad. One of them on the southeast of the pad would be routed through the southwest corner to join the others. A suitable low water crossing would be constructed at the place where the drainage channel intersects the proposed access road.

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 and spills. The operator is required to report and clean-up all spills or leaks.

Ground Water Hydrology:

Some minor pollution of ground water systems would occur with the introduction of drilling fluids (filtrate) into the aquifer. This is normal and unavoidable during rotary drilling operations. The potential for communication, contamination and comingling of formations via the well bore would be possible. The drilling program is designed to prevent this. There is need for more data on hydrologic systems in the area and the drilling of this well may provide some basic information as all shows of fresh water would be reported. Water production with the gas would require disposal of produced water per the requirements of NTL-2B. The depths of fresh water formations are listed in the 10-Point Subsurface Protection Plan. 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 of the salt-desert-shrub types.

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:

The fauna of the area consists predominately of mule deer, coyotes, rabbits, foxes, and varieties of small ground squirrels and other types of rodents and various types or reptiles. The area is used by man for the primary purpose of grazing domestic livestock and sheep. The birds of the area are raptors, finches, ground sparrows, magpies, crows, and jays.

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

Social-Economic Effect:

An on the ground surface archaeological reconnaissance would be required prior to approval of the proposed action. Appropriate clearances would then be obtained from the surface managing agency. If a historic artifact, an archaeological feature or site is discovered during construction operations, activity would cease until the extent, the scientific importance, and the method of mitigation the adverse effects could be determined by a qualified cultural resource specialist.

There are no occupied dwellings or other facilities of this nature in the general area. Minor distractions from aesthetics would occur over the lifetime of the project and is judged to be minor. All permanent facilities placed on the location would be painted a color to blend in with the natural environment. Present use of the area is grazing, recreation, and oil and gas activities.

Noise from the drilling operations may temporarily disturb wildlife and people in the area. Noise levels would be moderately high during drilling and completion operations. Upon completion, noise levels would be infrequent and significantly less. If the area is abandoned, noise levels should return to pre-drilling levels.

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

The economic effect 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 economics might be improved. In this instance, other development wells would be anticipated, with substantially greater environmental and economic impacts.

Should the wellsite be abandoned, surface rehabilitation would be done according to the surface agency's requirements and to USGS's satisfaction. This would involve leveling, contouring, reseeding, etc., of the location and possibly the access road. If the well should produce hydrocarbons, measures would be undertaken to protect wildlife and domestic stock from the production equipment.

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. This Environmental Assessment Record was compiled by the Bureau of Land Management, the surface managing agency of the Federal surface in the area. The study includes additional information on the environmental impact of oil and gas operations in this area and gives use recommendations. The E.A.R. is on file in the agency's State offices and is incorporated herein by reference.

Waste Disposal:

The mud and reserve pits would contain all fluids used during the drilling operations. A trash cage would be utilized for any solid wastes generated at the site and would be hauled away at the completion of the operations. Sewage would be handled according to State sanitary codes. For further information, see the 13-Point Surface Plan.

Alternative to the Proposed Action:

1). Not approving the proposed permit -- the oil and gas lease grants the lessee exclusive right to drill for, mine, extract, remove and dispose of all oil and gas deposits.

Under leasing provisions, the Geological Survey has an obligation to allow mineral development if the environmental consequences are not too severe or irreversible. Upon rehabilitation of the site, the environmental effects of this action would be substantially mitigated, if not totally annulled. Permanent damage to the surface and subsurface would be prevented as much as possible under U.S.G.S. and other controlling agencies supervision with rehabilitation planning reversing almost all effects. Additionally, the growing scarcity of oil and gas should be taken into consideration. Therefore, the alternative of not proceeding with the proposed action at this time is rejected.

2). Minor relocation of the wellsite and access road or any special, restrictive stipulations or modifications to the proposed program would not significantly reduce the environmental impact. There are no severe vegetation, 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.

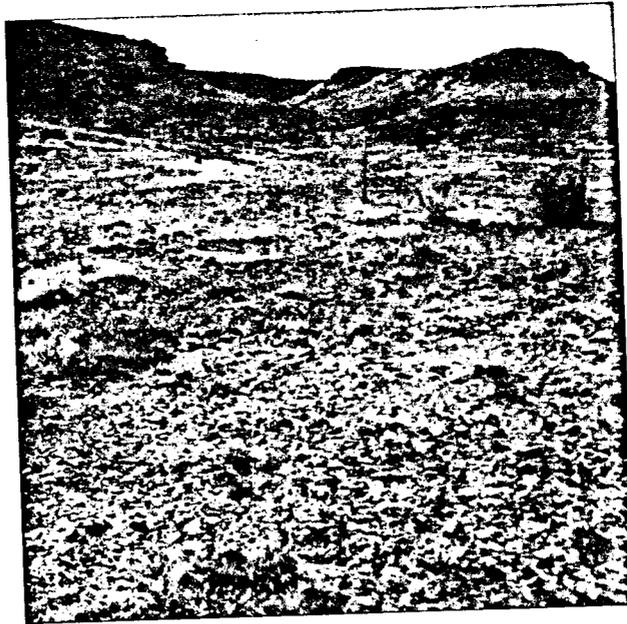
Mitigative Measures

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

- a. A trash cage will be used instead of a burn pit and any solid wastes generated at the site are to be hauled away at the completion of the drilling activity.
- b. The proposed pipeline route was changes as a result of the onsite to be about 400 feet long and run in a noethwesternly direction to an existing line.
- c. Drainages will be rerouted to the west side of the pad and a suitable low water crossing will be drainages will cross the southwest corner of the pad to avoid a greater potential disturbance that rerouting around the south side would cause.



CIGE 51-4-10-22
Looking North



CIGE 51-4-10-22
South View

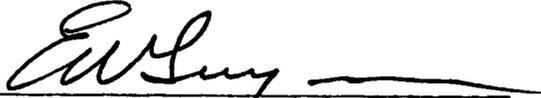
Adverse Environmental Effects Which Cannot Be Avoided:

Surface disturbance and removal of vegetation from approximately 1.9 acres of land surface for the lifetime of the project which would result in increased and accelerated erosional potential. Grazing would be eliminated in the disturbed areas and there would be a minor and temporary disturbance of wildlife and livestock. Minor induced air pollution due to exhaust emissions from rig engines of support traffic engines would occur. Minor increase in dust pollution would occur due to vehicular traffic associated with the operation. If the well is a gas producer, additional surface disturbance would be required to install production pipelines. The potential for fires, gas leaks, and spills of oil and water would exist. During the construction and drilling phases of the project, noise levels would increase. Potential for sub-surface damage to fresh water aquifers and other geologic formations exists. Minor distractions from aesthetics during the lifetime of the project would exist. If the well is a producer, an irreplaceable commitment of resources would be made. Erosion from the site would eventually be carried as sediment in the White River. The potential for pollution to the White River would exist through leaks and spills.

Determination:

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

Date

11/27/79


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

DUPLICATE

SUBMIT IN 7 COPIES
(Other Instructions on reverse side)

Form approved.
Budget Bureau No. 42-R1425.

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
Coastal Oil & Gas Corporation

3. ADDRESS OF OPERATOR
P. O. Box 749, Denver, Colorado 80201

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*
At surface
1354' FSL / 1947' FEL (NW SE)
At proposed prod. zone

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
Same

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) 1354'

16. NO. OF ACRES IN LEASE
1041.78

17. NO. OF ACRES ASSIGNED TO THIS WELL
160

18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 3540'

19. PROPOSED DEPTH
6000' (Wasatch)

20. ROTARY OR CABLE TOOLS
Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
5093' Ungr. Gr.

22. APPROX. DATE WORK WILL START*
February 15, 1981

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 sacks
8-3/4", 7-7/8"	4-1/2"	11.6#	6000'	Circulate cement back to surface.

Fresh Water Aquifers will be protected when the long string is run and cement is circulated back to surface.

Please see the following supplemental information:

- (1) 10-Point Program
- (2) 13-Point Program
- (3) BOP Schematic
- (4) Survey Plat

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 F. W. Heiser TITLE Drilling Manager DATE January 16, 1981

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY (Orig. Sgd.) R. A. Henricks TITLE FOR E. W. GYNN DISTRICT ENGINEER DATE MAR 27 1981

CONDITIONS OF APPROVAL, IF ANY:

CONDITIONS OF APPROVAL ATTACHED TO OPERATOR'S COPY
*See Instructions On Reverse Side

FLARING OR VENTING OF GAS IS SUBJECT TO NTL 4-A DATED 1/1/80

RECEIVED
MAR 27 1981
DIVISION OF OIL, GAS & MINING

NOTICE OF APPROVAL

ST. OG



United States Department of the Interior

IN REPLY REFER TO

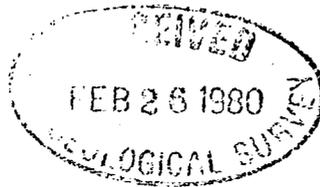
T & R
U-802

BUREAU OF LAND MANAGEMENT
VERNAL DISTRICT OFFICE
170 South 500 East
Vernal, Utah 84078

February 25, 1981

Ed Guynn, District Engineer
USGS, Conservation Division
2000 Administration Building
1745 West 1700 South
Salt Lake City, Utah 84104

Re: Coastal Oil & Gas Corp.
Natural Buttes Unit
Well # 39 Sec 29, T10S, R21E
Well # 40 Sec 35, T10S, R21E
Well # 43 Sec 26, T10S, R20E
Well # 46 Sec 4, T10S, R22E
Well # 47 Sec 30, T10S, R22E



Dear Mr. Guynn:

A joint examination was made on February 20, 1981 of the above referenced well site locations and proposed access roads. We feel that the surface use and operating plans are adequate with the following stipulations:

1. Construction and maintenance of roads, rehabilitation of disturbed areas, and construction of pipeline routes, shall be in accordance with surface use standards as set forth in the brochure, "Surface Operating Standards for Oil and Gas Exploration and Development."
2. Traveling off access road rights-of-way will not be allowed. The maximum width of access road (both existing and planned) will be 30 feet total disturbed area, except where backslopes and fills require additional area. Turnouts will not be required.
3. It was agreed upon by all parties present that the applied for pad sizes are of adequate size to handle all drilling and fracturing operations.
4. The BLM must be contacted at least 24 hours prior to any construction activities.
5. The BLM will be contacted at least 24 hours prior to any rehabilitation activities. The operator may be informed of any additional needed seeding and restoration requirements.

Continued



6. Burn pits will not be constructed. There will be no burning or burying of trash or garbage at the well sites. Refuse must be contained and hauled to an approved disposal site.
7. A wire mesh or net type of fence, topped with at least one strand of barbed wire, will be used around the reserve pits.
8. The top 2-4 inches of topsoil will be gathered and stockpiled as addressed in the applicants APD's except for well # 47 where the topsoil will be stored between reference points # 6 and # 7.

Wells # 43, 47 and 46

We have no objections to the proposed flowline routes provided the following stipulations are followed:

1. No installation will be allowed unless this office is notified at least 24 hours prior to the start of construction.
2. The proposed gas flowline routes will not be bladed. A bulldozer may be used to assist trucks in steep terrain, drag pipeline into position and for the construction of ford type crossings on drainages which cannot otherwise be crossed. Construction of drainage crossing is the only type of surface disturbance authorized.
3. Pipeline construction shall not block, dam, or change the natural flow of any drainage.

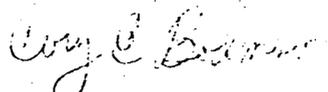
We have received archaeological reports for wells # 46 and 47, and no cultural resources were found.

We have not received cultural resource reports for wells # 40, 43 and 39. No surface disturbance will be allowed until we have received the aforementioned reports.

These activities do not jeopardize listed, threatened or endangered flora/fauna or their habitats.

The BLM representative will be Cory Bodman, 789-1362.

Sincerely,



Dean L. Evans
Area Manager
Bookcliff Resource Area

cc: USGS, Vernal

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

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
 CIG EXPLORATION, INC.

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

5. LOCATION OF WELL (Report location clearly and in accordance with any State requirements*)
 At surface: 1600' FNL & 1781' FEL, Section 4, T10S, R22E
 At proposed prod. zone: 1354' 1947' Location change 10/79
 SAME AS ABOVE

6. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
 APPROXIMATELY 15 MILES SOUTHEAST OF OURAY, UTAH

7. DISTANCE FROM PROPOSED LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drig. unit line, if any)
 859'

16. NO. OF ACRES IN LEASE
 1041.78'

5. LEASE DESIGNATION AND SERIAL NO.
 U-01191

6. IS INDIAN, ALLOTTEE OR TRIBAL LAND?
 N/A

7. UNIT AGREEMENT NAME
 NATURAL BUTTES UNIT

8. NAME OF LEASE NAME
 NATURAL BUTTES

9. WELL NO.
 CIGE 51-4-10-22

10. FURTHER CLASS. OF WELL OR WELDCAT
 Natural Buttes
 NATURAL BUTTES FIELD

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA.
 Sec 4, T10S, R22E

12. COUNTY OR PARISH
 UTAH

13. STATE
 UTAH

18. DISTANCE FROM PROPOSED LOCATION TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.
 APPROXIMATELY 1551'

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

19. PROPOSED DEPTH
 6000'

20. ROTARY OR CABLE TOOLS
 ROTARY

21. ELEVATIONS (Show whether DE, RT, GR, etc.)
 5062' UNGRADED GROUND

22. APPROX. DATE WORK WILL START
 May 15, 1980

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 <i>circ to drill</i>
7-7/8"	4-1/2"	11.6#	6000'	CIRCULATE CEMENT BACK TO SURFACE

FRESH WATER AQUIFERS 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: 4-15-80
 BY: *[Signature]*
 DIVISION OF OIL, GAS & MINING

GAS WELL PRODUCTION HOOKUP TO FOLLOW ON SUNDRY NOTICE.

RECEIVED
 APR 14 1980
 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 prod zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give bit preventer program, if any.

24. SIGNED: *[Signature]* TITLE: Drilling Engineer DATE: April 9, 1980

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

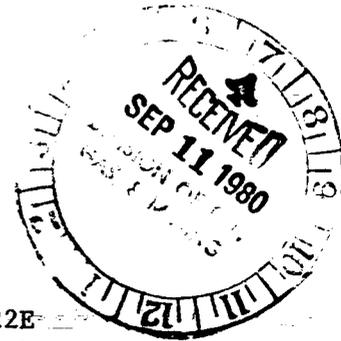


Coastal Oil & Gas Corporation

2100 Prudential Plaza
Post Office Box 749
Denver, Colorado 80201
Phone (303) 572-1121

September 5, 1980

State of Utah
Division of Oil, Gas & Mining
1588 West North Temple
Salt Lake City, Utah 84116



Re: CIGE 62-18-9-22
Section 18-T9S-R22E
Uintah County, Utah

CIGE 51-4-10-22
Section 4-T10S-R22E
Uintah County, Utah

CIGE 37-13-10-22
Section 13-T10S-R22E
Uintah County, Utah

CIGE 54-30-10-22
Section 30-T10S-R22E
Uintah County, Utah

CIGE 67-32-10-21
Section 32-T10S-R21E
Uintah County, Utah

Gentlemen:

The U. S. Geological Survey has rescinded the above approved applications by letter dated August 22, 1980, (copy attached). Please also withdraw State approval for the drilling of these wells.

Sincerely,

C. A. Hansen
Drilling Engineer

PAB/CAH/pm

xc: P. Bohner
File

**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
Coastal Oil & Gas Corporation

3. ADDRESS OF OPERATOR
P. O. Box 749, Denver, Colorado 80201

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*
 At surface 1354' FSL / 1947' FEL (NW SE)
 At proposed prod. zone Same

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

10. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 1354'

16. NO. OF ACRES IN LEASE
1041.78

17. NO. OF ACRES ASSIGNED TO THIS WELL
160

18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 3540'

19. PROPOSED DEPTH
6000' (Wasatch)

20. ROTARY OR CABLE TOOLS
Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
5093' Ungr. Gr.

22. APPROX. DATE WORK WILL START*
February 15, 1981

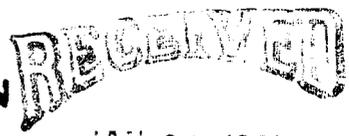
23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
<u>12-1/4"</u>	<u>9-5/8"</u>	<u>36#</u>	<u>200'</u>	<u>125 sacks</u>
<u>8-3/4", 7-7/8"</u>	<u>4-1/2"</u>	<u>11.6#</u>	<u>6000'</u>	<u>Circulate cement back to surface.</u>

Fresh Water Aquifers will be protected when the long string is run and cement is circulated back to surface.

Please see the following supplemental information:
 (1) 10-Point Program
 (2) 13-Point Program
 (3) BOP Schematic
 (4) Survey Plat

**APPROVED BY THE DIVISION
OF OIL, GAS, AND MINING**
 DATE: 1-22-81
 BY: M. J. Mundy



JAN 21 1981

DIVISION OF
OIL, GAS & MINING

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 F. W. Heiser TITLE Drilling Manager DATE January 16, 1981

(This space for Federal or State office use)
 PERMIT NO. 43-047-30872

APPROVAL DATE _____

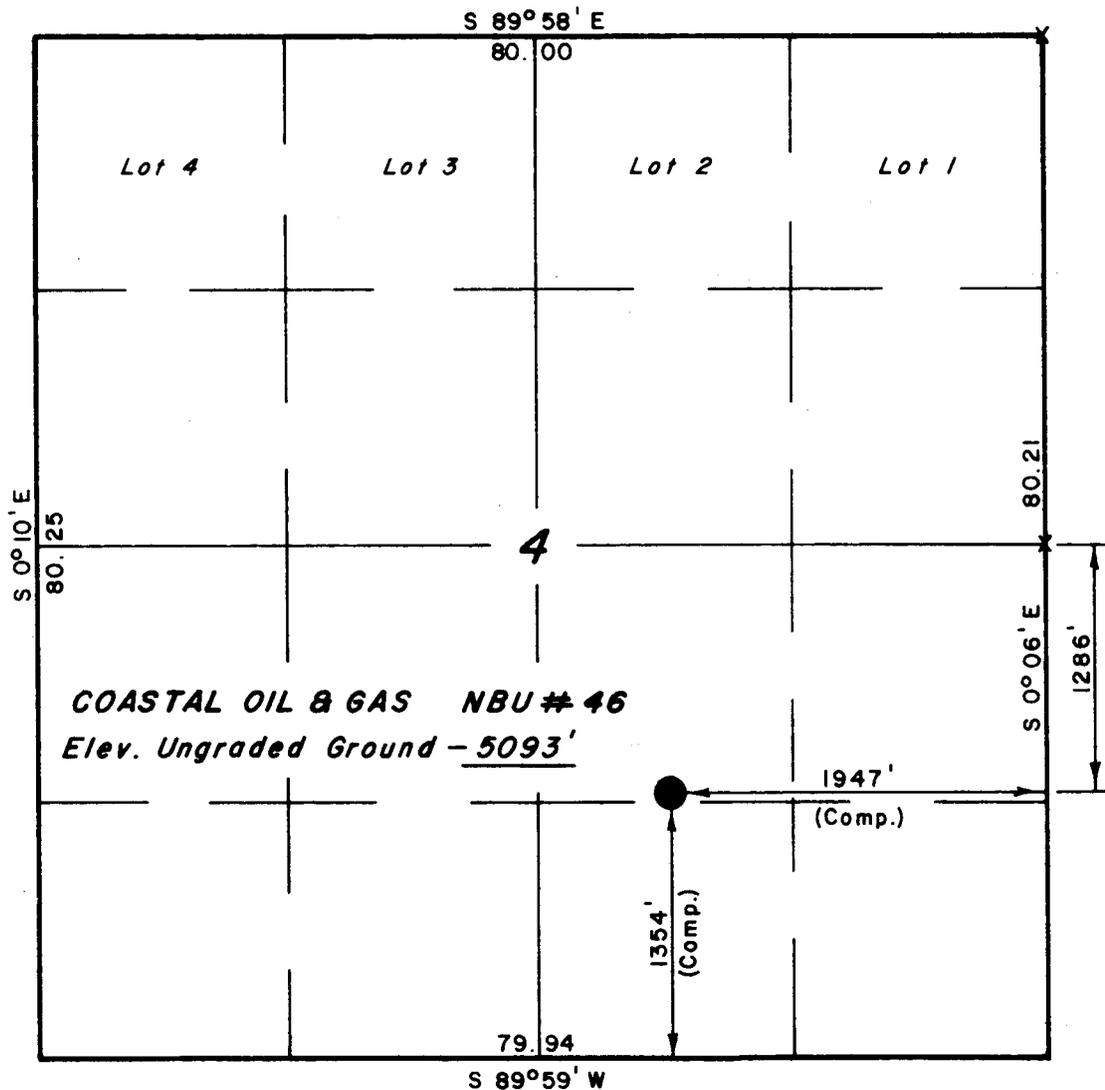
APPROVED BY _____ TITLE _____ DATE _____
 CONDITIONS OF APPROVAL, IF ANY:

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

PROJECT

COASTAL OIL & GAS CORP.

Well location, *COASTAL OIL & GAS NBU#46*, located as shown in the NW 1/4 SE 1/4 Section 4, T 10 S, R 22 E, S.L.B. & M. Uintah 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.

Robert D. [Signature]

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	6/25/79
PARTY	LDT DS DW DJ	REFERENCES	GLO Plat
WEATHER	Warm / Clear	FILE	COASTAL OIL & GAS

COASTAL OIL & GAS CORPORATION

PROPOSED LOCATION



TOPO. MAP "A"

DIVISION OF OIL, GAS & MINING - 1" = 4 Mi.



Coastal Oil & Gas Corporation
Natural Buttes Unit No. 46
Section 4-T10S-R22E
Uintah County, Utah

10-POINT PROGRAM

1. Geologic name of surface formation:

Uinta

2. The estimated tops of important geologic markers:

Green River - 1000'

Wasatch - 4275'

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

Wasatch - 4275' - 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

4½", 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 4500' with a weight of 8.3 to 8.7 . From 4500' to TD the well will be drilled with fresh wtr mud with a weight from 8.7 to 10.4 . 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: Dual Induction Laterolog
Compensated Neutron-Formation Density

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:

2/15/81, 3 weeks' duration.

COASTAL OIL & GAS CORP.

13 Point Surface Use Plan

For

Well Location

NBU #46

Located In

Section 4, T10S, R22E, S.L.B.& M.

Uintah County, Utah

1. EXISTING ROADS

See attached Topographic Map "A".

To reach Coastal Oil & Gas Corporation well location N.B.U. #46 located in the NW $\frac{1}{4}$ SE $\frac{1}{4}$ Section 4, 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 State Highway 88; proceed South along Utah State Highway 88, 10 miles to Ouray, Utah; proceed along South on a county road known as the Seep Ridge Road, \pm 11.5 miles to the junction of this road and 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 Northeasterly along this road 1.6 miles to its junction with a road to the Southeast; proceed along Northeasterly 2.4 miles to the junction of this road and a road to the North; proceed Northerly along this road 1 mile to its junction with a road to the Southwest; proceed Southwesterly along this road 0.4 miles to the 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 to the oil field service road.

The aforementioned dirt oil field service road and other roads in the vicinity are constructed out of native materials that are prevalent to the 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, completion phase, and the production phase of this well at such time that 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 is no planned access road required for this location as the existing road, described in Item #1, passes through the proposed location site and will facilitate the traffic necessary for the drilling, completion, and production phases of this well.

The existing road will be re-routed around the location site, as shown on the map, to facilitate the flow of traffic.

3. LOCATION OF EXISTING WELLS

See Topographic Map "B".

There are four existing gas wells within a one mile radius of this location site. One belongs to Coastal Oil & Gas Corporation and the other three belong to Gas Producing Enterprises. There is also one abandoned well located in the SW $\frac{1}{4}$ NW $\frac{1}{4}$ Section 10, T10S, R22E, S.L.B. & M. (See Topographic Map "B" for the location of each in relation to the proposed location site.)

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

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

At the present time there are other Coastal Oil & Gas Corporation batteries, production facilities, and gas gathering lines within a one mile radius.

There are no oil gathering lines, injection lines, or disposal lines within a one mile radius. (See Topographic Map "B" for the location of these relative to the proposed location site.)

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

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 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.

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

The proposed gas flow line will be an 18' right of way which will run in an Easterly direction approximately 1500' to an existing pipeline in the SE $\frac{1}{4}$ SE $\frac{1}{4}$ of Section 4, T10S, R22E, S.L.B. & M. (See Topographic Map "B").

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 "A".

Water to be used for the drilling and production of this well will be hauled from the White River at a point near the Mountain Fuel Bridge located in the SW $\frac{1}{4}$ NE $\frac{1}{4}$ Section 17, T9S, R22E, S.L.B. & M. The water will be hauled by truck over existing roads to the proposed location site, a distance of approximately 19 miles.

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

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

6. SOURCE OF CONSTRUCTION MATERIAL

All construction material for this location site and access road shall be borrow material 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 material that will be used in the construction of this location site and access road will consist of sandy-clay soils and sandstone and shale material gathered in actual construction of the road and location.

7. METHODS OF 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 one half of this depth shall be below the surface of the existing ground.

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 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 drilling activities are completed, it will be fenced on the fourth side and allowed to dry completely prior to the time backfilling and reclamation activities are attempted.

7. METHODS OF HANDLING WASTE DISPOSAL - continued

When the reserve pit dries and 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 pit will be constructed and fenced on all four sides with a small mesh wire to prevent flammable materials from escaping and creating a fire hazard.

A portable chemical toilet will be supplied for human waste.

All produced gas from this well will be contained in the storage tank and will be sold. Water, if any, which is produced will be run into a reserve pit as required in the NTL-2B Regulations.

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 #6, 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 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.) When all drilling and production activities have been completed, the location site and access road will be reshaped to the original contour and stockpiled 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 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")

The area slopes from the rim of the Book Cliff Mountains to the South to the Green 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 sandstone, conglomerate, and shale deposits.

The majority of the washes and streams in the area are non-perennial in nature with the only one in the area having a year round flow being White River to the Northeast, of which the numerous washes, draws, and non-perennial streams are tributaries.

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

All drainages in the immediate area are non-perennial, flowing to the Northeast, and are tributaries to the White River.

The soils of this semi-arid area are of the Uinta Formation and Duchesne River Formation (Fluvial Sandstone and Mudstone) from Eocene Epoch and Quaternary Epoch (Gravel 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, conglomerate, and shale).

Due to the low precipitation average, climatic conditions, and marginal types of soil, 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 soil devoid of any growth. In the areas from and in the vicinity of non-perennial streams, and 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 mule deer, coyotes, pronghorn antelope, rabbits, 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")

11. OTHER INFORMATION - continued

N.B.U. #46 location site sits on a relatively flat area which slopes to the North into the White River. The White River is the only perennial stream in the area and lies approximately 1.5 miles North-east of the location.

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

The ground slopes from the South through the location to the North at approximately a 4% grade.

There is a small drainage that runs through the location site which will be re-routed around the site as shown on the location layout and cut sheet.

All lands involved in this description are under B.L.M. jurisdiction.

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

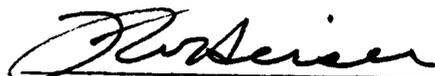
F. W. Heiser
C.I.G. Exploration Incorporated
P.O. Box 749
Denver, Colorado 80201

Telephone: 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 Coastal Oil & Gas Corp. and its contractors and sub-contractors in conformity with this plan and the terms and conditions under which it is approved.

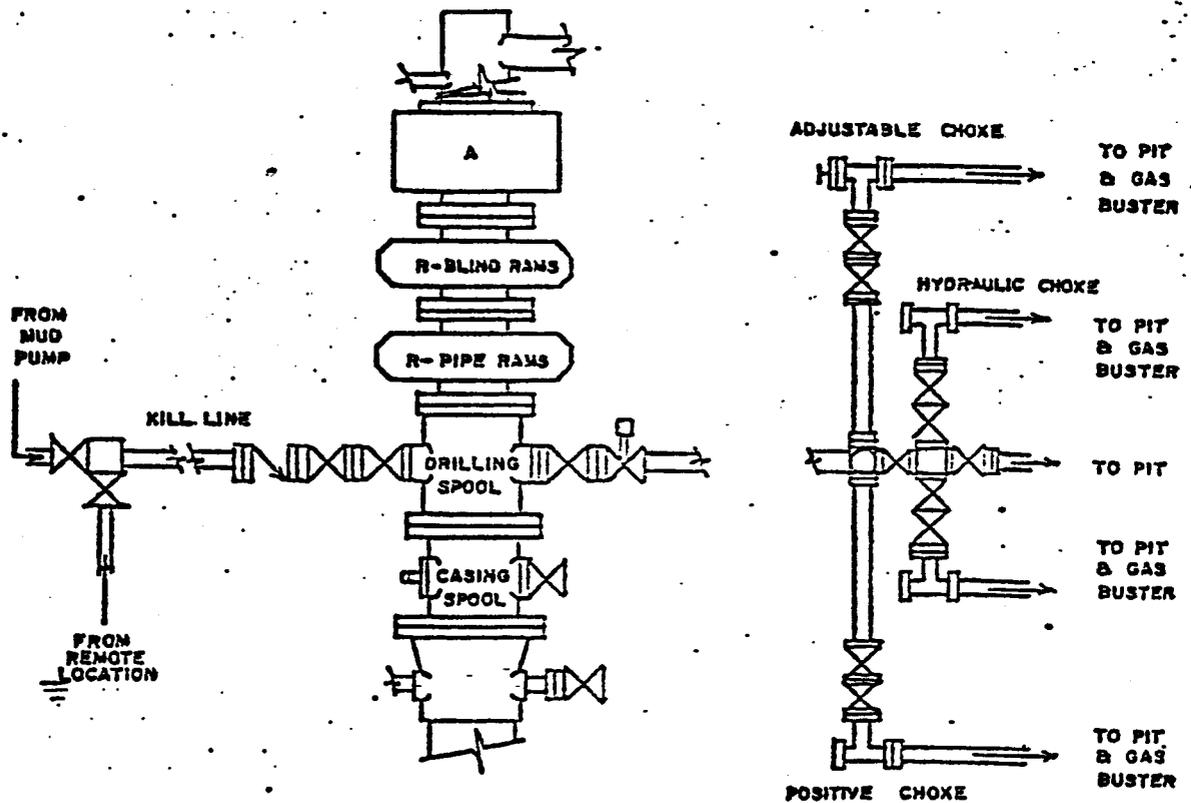
Date



F. W. Heiser
Drilling Manager

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.

United States Department of the Interior
 Geological Survey
 2000 Administration Bldg.
 1745 West 1700 South
 Salt Lake City, Utah 84104

NEPA CATEGORICAL EXCLUSION REVIEW

PROJECT IDENTIFICATION

Operator Coastal Oil and Gas Corporation
 Project Type Gas Well Drilling
 Project Location 1354' FSL 1947' FEL
 Well No. 46 Lease No. U-01191
 Date Project Submitted January 21, 1981

FIELD INSPECTION Date February 20, 1981

Field Inspection Participants

<u>Greg Darlington</u>	<u>USGS, Vernal</u>
<u>Cory Bodman</u>	<u>BLM, Vernal</u>
<u>Dempsey Day</u>	<u>Coastal Oil and Gas</u>
<u>Floyd Murray</u>	<u>D. E. Casada Construction</u>

Related Environmental Documents: Unit Resource Analysis, Seep Ridge Planning Unit, BLM, Vernal

I have reviewed the proposal in accordance with the categorical exclusion review guidelines. This proposal would not involve any significant effects and, therefore, does not represent an exception to the categorical exclusions.

March 2, 1981
 Date Prepared

Gregory Darlington
 Environmental Scientist

I concur
3/3/81
 Date

[Signature]
 District Supervisor

PROPOSED ACTION:

Coastal Oil and Gas Corporation proposes to drill the Natural Buttes Unit #46 well, a 6000' gas test of the Wasatch Formation. About 150' of existing road will be rerouted to reach the pad of the location as indicated in the APD. A reserve pit 75' by 150' and a pad 185' by 350' are planned for the location. About 1.8 acres of new surface disturbance are involved. A 1500' flowline route for a production hookup is proposed in the APD.

RECOMMENDED APPROVAL CONDITIONS:

The operator agrees to accept and adhere to:

1. BLM Stipulations
2. Lease Stipulations
3. Provide adequate logs of other potentially valuable minerals as requested by the Mineral Evaluation Report and Mining Report.

FIELD NOTES SHEET

Date of Field Inspection: February 20, 1981

Well No.: NBU 46

Lease No.: U-01191

Approve Location:

Approve Access Road:

Modify Location or Access Road: Route access road around pits
as indicated in the layout diagrams present and
crosses the proposed reserve pit.

Evaluation of Criteria for Categorical Exclusion

1. Public Health and Safety
2. Unique Characteristics
3. Environmentally Controversial Items
4. Uncertain and Unknown Risks
5. Establishes Precedents
6. Cumulatively Significant
7. National Register Historic Places
8. Endangered/Threatened Species
9. Violate Federal, State, Local, or Tribal Laws

If this project is not eligible for Categorical Exclusion circle the numbers of the above criteria requiring the preparation of an EA.

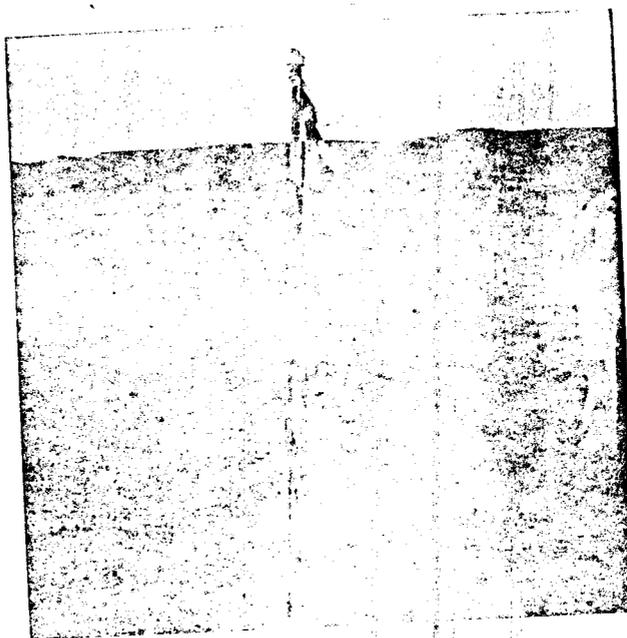
Comments and special conditions of approval discussed at onsite: (include local topography) Good location

CATEGORICAL EXCLUSION REVIEW INFORMATION SOURCE

Criteria 516 DM 2.3.A	Federal/State Agency			Local and private corre- spondence (date)	Previous NEPA	Other studies and reports	Staff expertise	Onsite inspection (date)	Other
	Corre- spondence (date)	Phone check (date)	Meeting (date)						
Public health and safety							1, 2, 4, 6	2-20-81	
Unique charac- teristics							1, 2, 4, 6	2-20	
Environmentally controversial							1, 2, 4, 6	2-20	
Uncertain and unknown risks							1, 2, 4, 6	2-20	
Establishes precedents							1, 2, 4, 6	2-20	
Cumulatively significant							1, 2, 4, 6	2-20	
7. National Register historic places							1, 6	2-20	
8. Endangered/ threatened species							1, 6	2-20	
9. Violate Federal, State, local, tribal law							1, 2, 4, 6	2-20	

CATEGORICAL EXCLUSION REVIEW COMMON REFERENCE LEGEND

1. Surface Management Agency Input
2. Reviews Reports, or information received from Geological Survey
(Conservation Division, Geological Division, Water Resource Division,
Topographic Division)
3. Lease Stipulations/Terms
4. Application Permit to Drill
5. Operator Correspondence
6. Field Observation
7. Private Rehabilitation Agreement
8. *USGS conditions of approval.*



*East View
Natural Resources Unit #46*

FROM: ; DISTRICT GEOLOGIST E, SALT LAKE CITY, UTAH

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

SUBJECT: APD MINERAL EVALUATION REPORT

LEASE NO. U-01191

OPERATOR: Coastal O & G

WELL NO. NB Unit #46

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

Uintah County, Utah

1. Stratigraphy:

Uintah	surface
Green River	1000'
Wasatch	4275'
<u>TD</u>	<u>6000'</u>

2. Fresh Water:

Fresh water in the Uintah. Useable (saline water in the Birds Nest aquifer (~ 1700') and the Douglas Creek aquifer (~ 2500'). These should be protected.

3. Leasable Minerals:

Oil shale in the Green River. The Mahogany should occur at ~ 2100'.

Gas: Wasatch

Saline minerals: may occur in an 800' rock interval immediately overlying the Mahogany.

4. Additional Logs Needed: Adequate

5. Potential Geologic Hazards: None expected

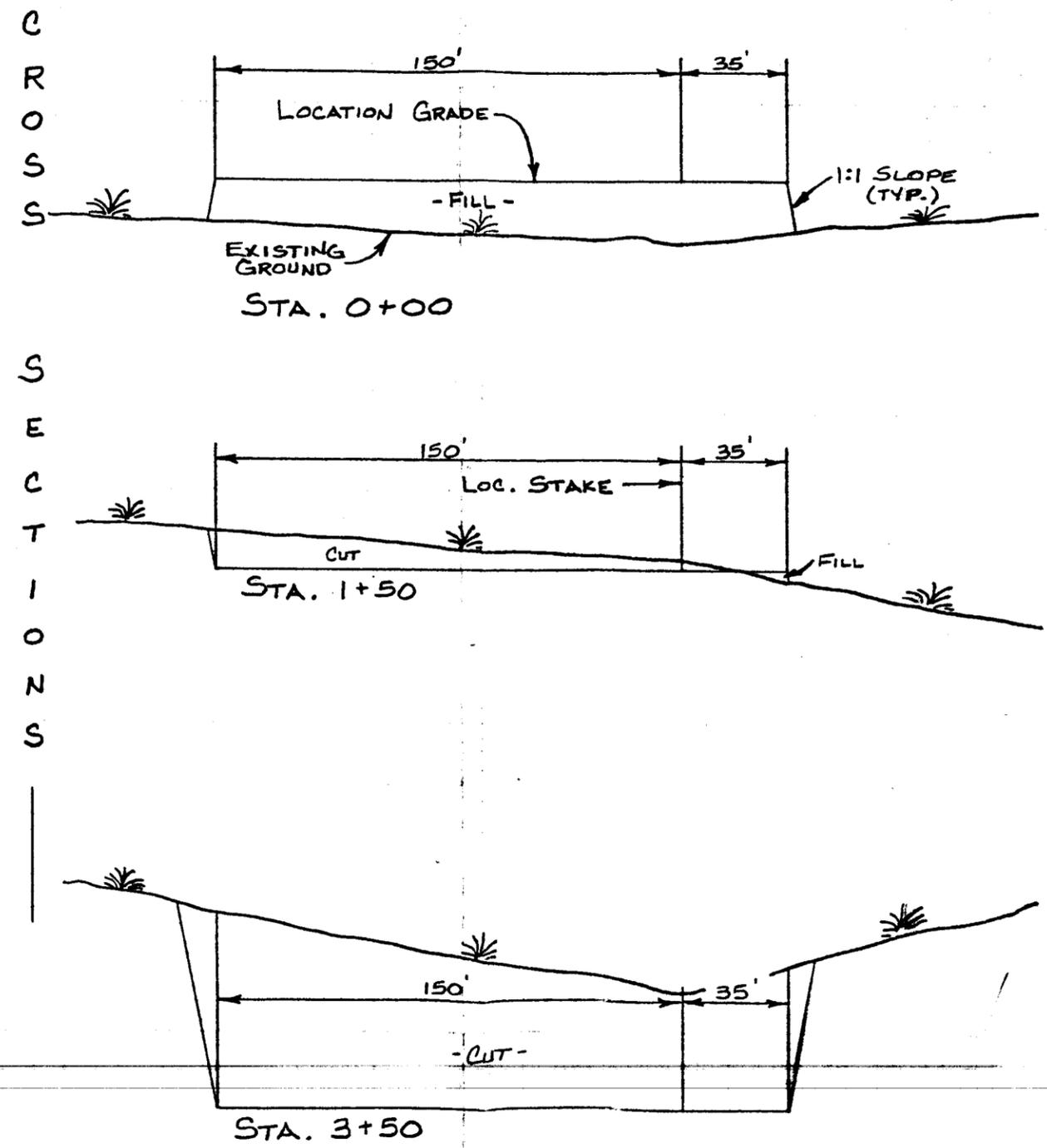
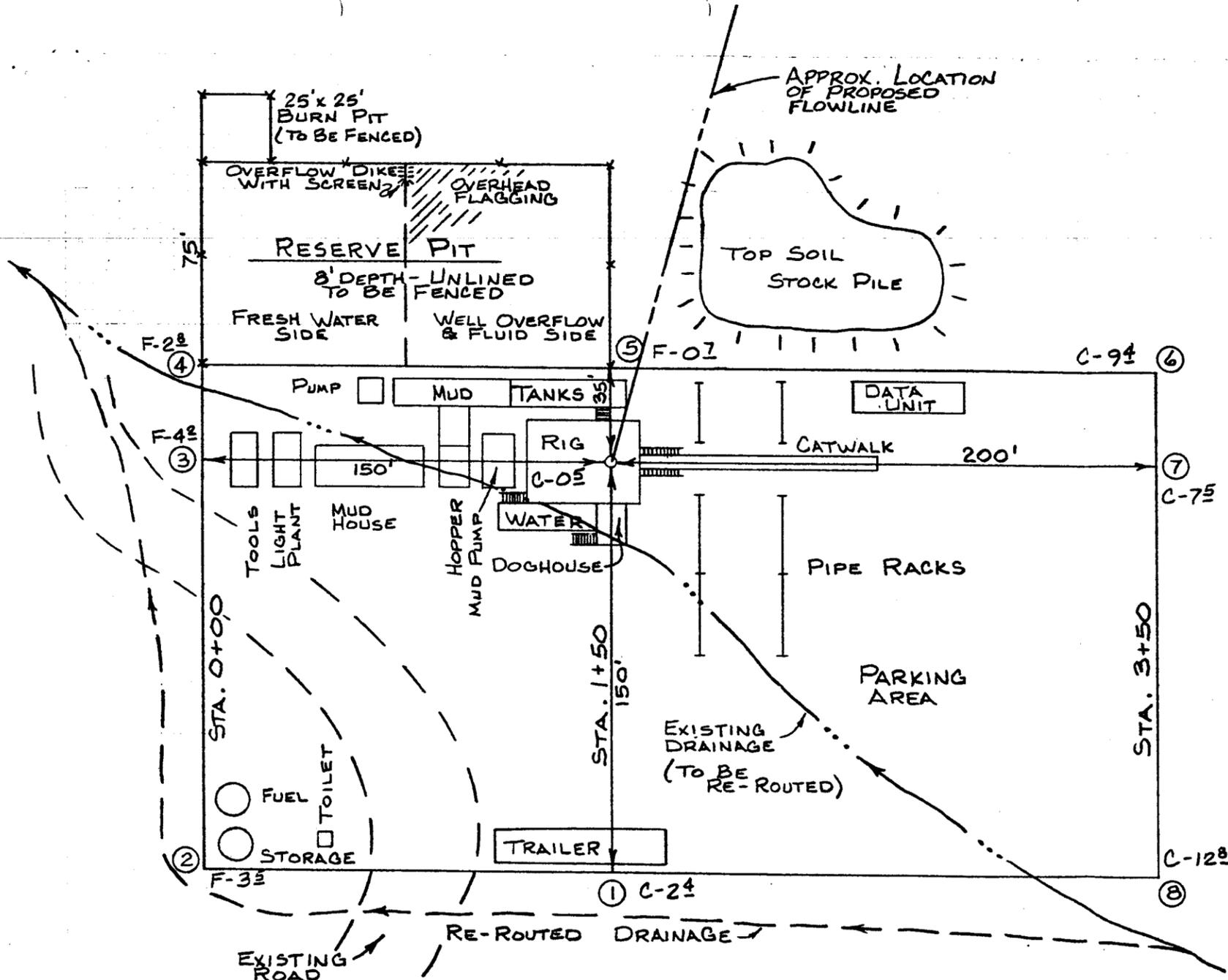
6. References and Remarks:

Signature: Gregory W. Wood

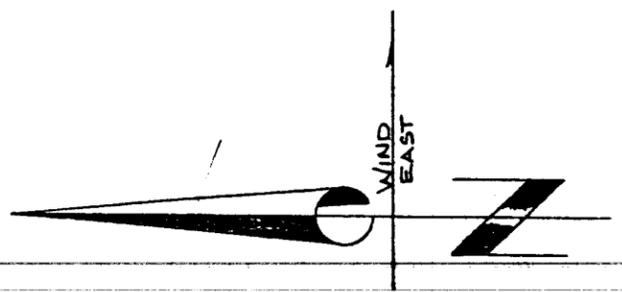
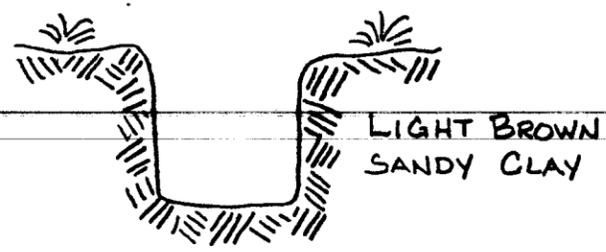
Date: 2-25-81

COASTAL GAS & OIL CORP.
 NBU # 46
 LOCATION LAYOUT & CUT SHEET

RECEIVED
 JAN 21 1961
 DIVISION OF
 OIL, GAS & MINING



SOILS LITHOLOGY
 -No Scale-



SCALE - 1" = 50'

SCALE
 1" = 50'

APPROX. YARDAGES
 CUT - 8,673 Cu. Yds.
 FILL - 1,909 Cu. Yds.

COASTAL OIL & GAS CORPORATION

PROPOSED LOCATION

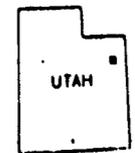
TOPO. MAP "B"



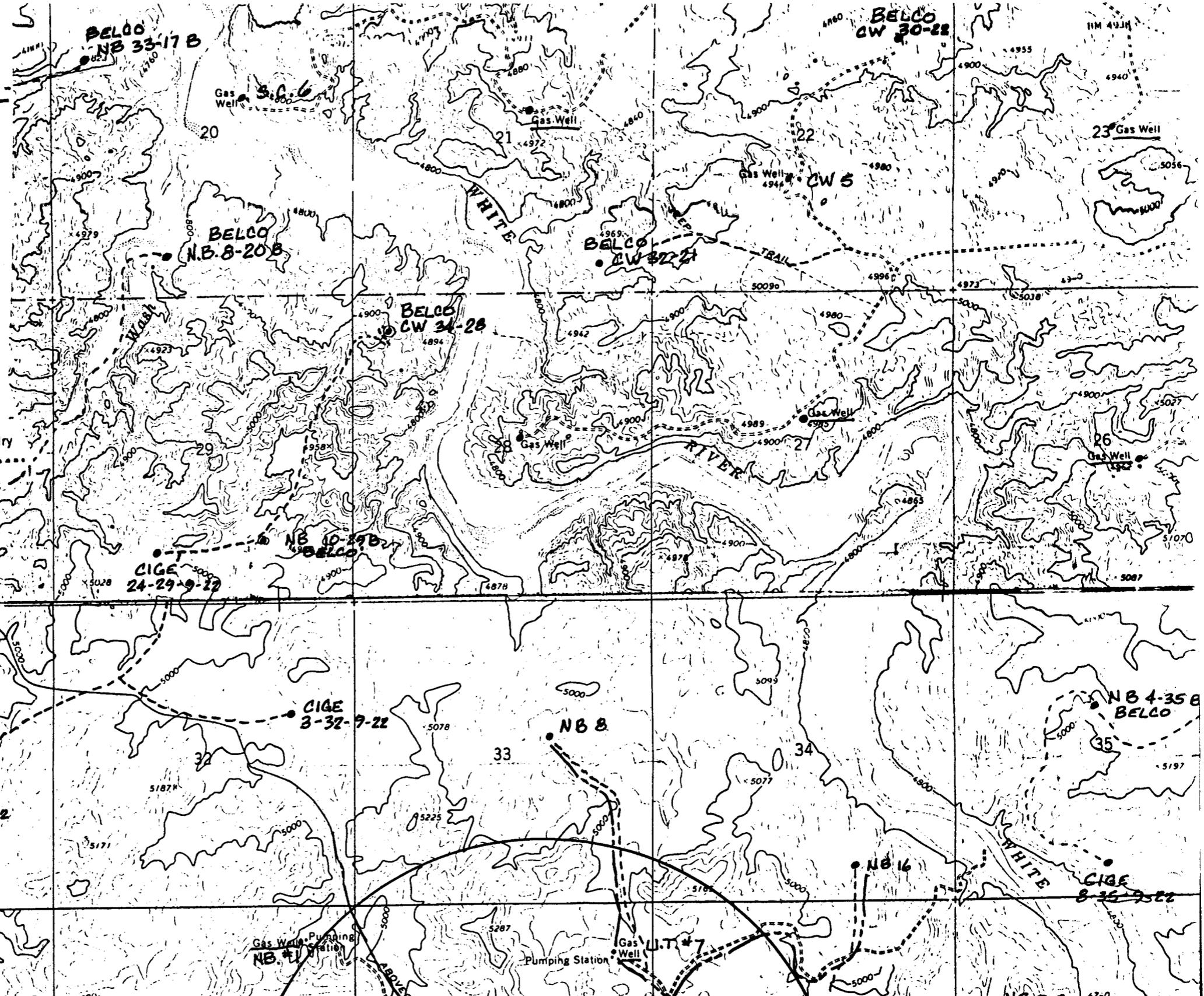
SCALE - 1" = 2000'

ROAD CLASSIFICATION

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



QUADRANGLE LOCATION



** FILE NOTATIONS **

DATE: Jan. 21, 1981
OPERATOR: Coastal Oil & Gas Corp.
WELL NO: NBU # 46
Location: Sec. 4 T. 10S R. 22E County: Uintah

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

API Number 43-047-30872 513

CHECKED BY:

Petroleum Engineer: M. S. Minder 1-22-81

Director: _____

Administrative Aide: Approved in 'NBU'

APPROVAL LETTER:

Bond Required: Survey Plat Required:

Order No. _____ O.K. Rule C-3

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

Lease Designation Plotted on Map

Approval Letter Written

Hot Line P.I.

January 22, 1981

Coastal Oil & Gas Corporation
P. O. Box 749
Denver, Colorado 80201

Re: Well No. Natural Buttes Unit #46
Sec. 4, T. 10S, R. 22E., NW SE
Uintah County, Utah

Insofar as this office is concerned, approval to drill the above referred to gas well is hereby granted in accordance with Section 40-6-11, Utah Code Annotated 1953; and predicated on Rule A-3, General Rules and Regulations and Rules of Practice and Procedure.

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 43-047-30872,

Sincerely,

DIVISION OF OIL, GAS, AND MINING


Michael T. Minder
Petroleum Engineer

/ko
cc: USGS

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

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

1. oil well gas well other

2. NAME OF OPERATOR
Coastal Oil & Gas Corporation

3. ADDRESS OF OPERATOR
P. O. Box 749, Denver, Colorado 80201

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 1354' FSL / 1947' FEL (NW SE)
AT TOP PROD. INTERVAL: Same
AT TOTAL DEPTH: Same

5. LEASE
U-01191

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

7. UNIT AGREEMENT NAME
Natural Buttes Unit

8. FARM OR LEASE NAME
Natural Buttes Unit

9. WELL NO.
Natural Buttes Unit No. 46

10. FIELD OR WILDCAT NAME
Natural Buttes Field

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Seciton 4-T10S-R22E

12. COUNTY OR PARISH
Uintah

13. STATE
Utah

14. API NO.
43-047-30513

15. ELEVATIONS (SHOW DF, KDB, AND WD)
5093' Ungr. Gr.

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

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

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

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

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 and Flow Line and Pipeline Right of Way

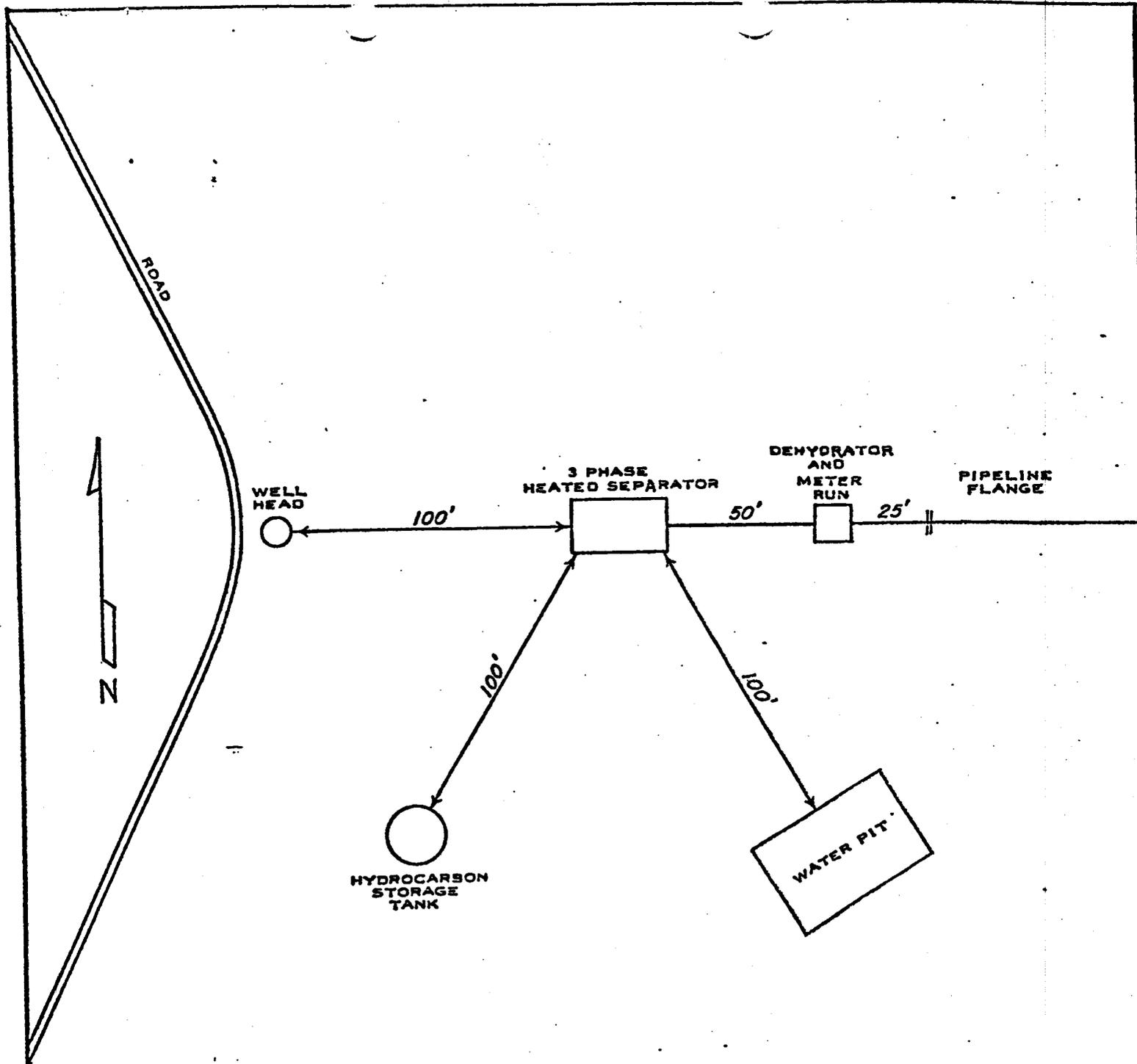
For on-site Contact: Ira K. McClanahan at (303) 473-2300
Subsurface Safety Valve: Manu. and Type _____ Set @ _____ Ft.

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

SIGNED F. R. Midkiff District Production Manager DATE March 16, 1981

(This space for Federal or State office use)

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



COASTAL OIL & GAS CORPORATION
DENVER, COLORADO

Natural Buttes Unit No. 46
Section 4-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

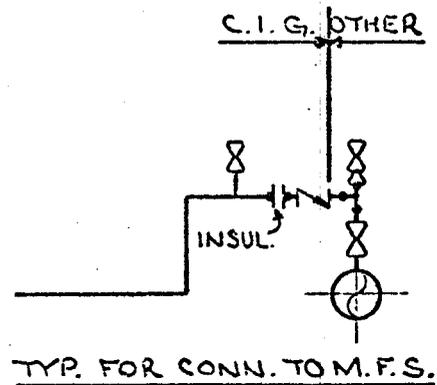
20' ±

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

EXIST. PIPELINE

ALTERNATE ANCHOR - BURY PIPELINE MIN. OF 18"

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



1	2385B	REVISE STARTING POINT	8-22-77	RWP		
NO.	C.O. NO.	DESCRIPTION	DATE	BY	CHK.	APP.

Colorado Interstate Gas Co.
COLORADO SPRINGS, COLORADO

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

JUNTA COUNTY,

UTAH

SCALE: NONE DRAWN: RWP APP: *[Signature]*

DATE: 7-7-77 CHECK: *[Signature]* C.O. 2385B

115FP-1 1/8

REVISIONS

Statement for permit to lay flow line, to be included with application for Drilling Permit:

Upon approval of all concerned regulatory agencies, CIG proposes to install a surface flow line from NBU #46 in a westerly direction through the SE/4 of Section 4 connecting to Line F191-6" in the SW/4 of Section 4, all in 10S-22E. The line will be approximately 850' long, as shown on the attached sketches.

Pipe will be 4-1/2" 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 aboveground except where burial is necessary for road crossing, ditches, or other obstructions. Magnesium anodes will be installed at the dehydrator, meter setting, road crossings, underground piping at stream crossings, and at producer's separator for corrosion protection.

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.

ESTIMATE SKETCH

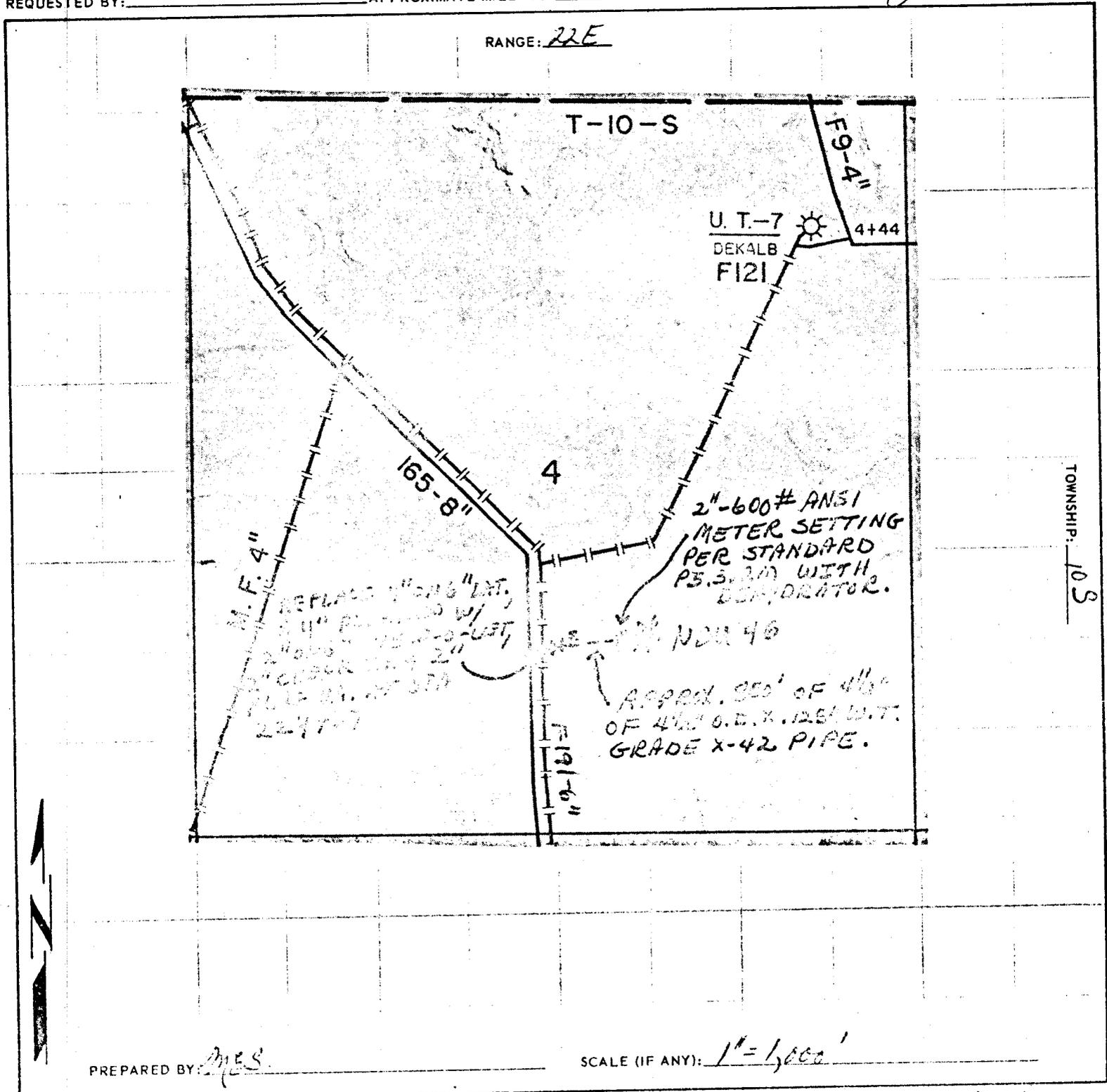
DATE: 2-9-81
STARTING DATE: _____
EST. COMP. DATE: _____
 COMPANY CONTRACT

COLORADO INTERSTATE GAS COMPANY
 NORTHWEST PIPELINE CORPORATION

W. O. NO.: _____
REVISION NO.: _____
BUDGET NO.: _____
RELATED DWG.: 115FU-1F

LOCATION: C W/2 SE Section 4-10S-22E COUNTY: Niutah STATE: Utah
DESCRIPTION OF WORK: Connect NBW 46 Matched Routes

REQUESTED BY: _____ APPROXIMATE MILEAGE: _____ PROJECT ENGINEER: JFK



Freehand sketch of location of proposed installation to be constructed or retired showing relative location of existing facilities in area.

P

DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

NAME OF COMPANY: Coastal Oil and Gas Corp.

WELL NAME: NBU #46

SECTION NW SE 4 TOWNSHIP 10S RANGE 22E COUNTY Uintah

DRILLING CONTRACTOR Westburne

RIG # 65

SPUDDED: DATE 5-5-81

TIME 11:00 a.m.

HOW dry-hole

DRILLING WILL COMMENCE _____

REPORTED BY Tracie Dawe

TELEPHONE # 303-572-1121

DATE 5-13-81 SIGNED DB

NOTICE OF SPUD

WELL NAME: NATURAL BUTTES UNIT No 46

LOCATION: NW 114 SE 114 SECTION 4 T-10S R-22E

COUNTY: Uintah STATE: Utah

LEASE NO.: U-4476 LEASE EXPIRATION DATE: 11/15/69

UNIT NAME (If Applicable): Natural Buttes Unit

DATE & TIME SPUDDED: 11:00AM, 5/5/81

DRY HOLE SPUDDER: BAM AIR - Ø

DETAILS OF SPUD (Hole, Casing, Cement, etc.): SPUD 12-1/4" hole & DRILL TO 212' GL. RUN 5 JTS 9-5/8" K-55 36# CSG & LAND @ 207' GL. CMT W/ 125 SK "6" PD 10:20AM 5/8/81

ROTARY RIG NAME & NUMBER: WESTBURN RIG #65

APPROXIMATE DATE ROTARY MOVES IN: June 15, 1981

FOLLOW WITH SUNDRY NOTICE

USGS CALLED: DATE: May 13, 1981

PERSON CALLED: Jerisa Maxwell

STATE CALLED: DATE: May 13, 1981

PERSON CALLED: Debbie Beauregard

REPORTED BY: Jerisa C. Pawe

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

SUNDRY NOTICES AND REPORTS ON WELLS

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

1. oil well gas well other

2. NAME OF OPERATOR
Coastal Oil & Gas Corporation

3. ADDRESS OF OPERATOR
P. O. Box 749, Denver, Colorado 80201

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 1354' FSL & 1947' FEL (NW SE)
AT TOP PROD. INTERVAL: SAME
AT TOTAL DEPTH: Same

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

5. LEASE
U-01191

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

7. UNIT AGREEMENT NAME
Natural Buttes Unit

8. FARM OR LEASE NAME
Natural Buttes Unit

9. WELL NO.
Natural Buttes Unit No. 46

10. FIELD OR WILDCAT NAME
Natural Buttes Field

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Section 4-T10S-R22E

12. COUNTY OR PARISH
Uintah

13. STATE
Utah

14. API NO.
43-047-30513

15. ELEVATIONS (SHOW DF, KDB, AND WD)
5093' Ungr. Gr.

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

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

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Well spudded 7:00 AM 5/9/81. Verbal report made to USGS (Teresa) and State (Debbie) on 5/13/81. Please see attached for additional details of spud.



MAY 15 1981

DIVISION OF
OIL, GAS & MINING

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

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

SIGNED F.W. Heiser TITLE Dist. Drilling Mgr. DATE May 13, 1981

(This space for Federal or State office use)

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

COG Corp.

NOTICE OF SPUD

Caller: Tracy

Phone: _____

Well Number: # 46

Location: NWSE 4-10S-22E

County: Utah State: Utah

Lease Number: U-01191

Lease Expiration Date: _____

Unit Name (If Applicable): NBU

Date & Time Spudded: 11:00 A.m. 5-5-81

Dry Hole Spudder/Rotary: _____

Details of Spud (Hole, Casing, Cement, etc.) 12 1/4" Hole

Rotary Rig Name & Number: Westburn Rig #65

Approximate Date Rotary Moves In: 6-15-81

FOLLOW WITH SUNDRY NOTICE

Call Received By: TM

Date: 5-13-81

RECORDED
MAY 16 1981

DIVISION OF
OIL, GAS & MINING

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

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

1. oil well gas well other

2. NAME OF OPERATOR
Coastal Oil & Gas Corporation

3. ADDRESS OF OPERATOR
P. O. Box 749, Denver, Colorado 80201

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 1354' FSL & 1947' FEL (NW SE)
AT TOP PROD. INTERVAL: SAME
AT TOTAL DEPTH: Same

5. LEASE
U-01191

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

7. UNIT AGREEMENT NAME
Natural Buttes Unit

8. FARM OR LEASE NAME
Natural Buttes Unit

9. WELL NO.
Natural Buttes Unit No. 46

10. FIELD OR WILDCAT NAME
Natural Buttes Field

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Section 4-T10S-R22E

12. COUNTY OR PARISH
Uintah

13. STATE
Utah

14. API NO.
43-047-30513

15. ELEVATIONS (SHOW DF, KDB, AND WD)
5093' Ungr. Gr.

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

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

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

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Well spudded 5/9/81. WO rotary tools.

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

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

SIGNED *F.W. Heiser* TITLE Dist. Drilling Mgr DATE May 18, 1981
F.W. Heiser

(This space for Federal or State office use)

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

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

1. oil well gas well other

2. NAME OF OPERATOR
Coastal Oil & Gas Corporation

3. ADDRESS OF OPERATOR
P. O. Box 749, Denver, Colorado 80201

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 1354' FSL & 1947' FEL (NW SE)
AT TOP PROD. INTERVAL: SAME
AT TOTAL DEPTH: Same

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

5. LEASE
U-01191

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

7. UNIT AGREEMENT NAME
Natural Buttes Unit

8. FARM OR LEASE NAME
Natural Buttes Unit

9. WELL NO.
Natural Buttes Unit No. 46

10. FIELD OR WILDCAT NAME
Natural Buttes Field

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Section 4-T10S-R22E

12. COUNTY OR PARISH
Uintah

13. STATE
Utah

14. API NO.
43-047-30513

15. ELEVATIONS (SHOW DF, KDB, AND WD)
5093' Ungr. Gr.

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

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

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Please see attached chronological for report of operations 5/16/81 through 6/15/81.

RECEIVED

JUN 13 1981

DIVISION OF
OIL, GAS & MINING

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

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

SIGNED H. E. Aab TITLE Dist. Drilling Mgr. DATE June 15, 1981

(This space for Federal or State office use)

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

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

1. oil well gas well other

2. NAME OF OPERATOR
Coastal Oil & Gas Corporation

3. ADDRESS OF OPERATOR
P. O. Box 749, Denver, Colorado 80201

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 1354' FSL & 1947' FEL (NW SE)
AT TOP PROD. INTERVAL: SAME
AT TOTAL DEPTH: Same

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

REQUEST FOR APPROVAL TO:

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

SUBSEQUENT REPORT OF:

-
-
-
-
-
-
-
-
- Operations

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.)*

Please see attached chronological for report of operations 6/16/81 thru 7/15/81.

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

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

SIGNED H. E. Aab TITLE Dist Drilling Mgr. DATE July 15, 1981

(This space for Federal or State office use)

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

JUL 20 1981

DIVISION OIL GAS & MINING

5. LEASE
U-01191

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

7. UNIT AGREEMENT NAME
Natural Buttes Unit

8. FARM OR LEASE NAME
Natural Buttes Unit

9. WELL NO.
Natural Buttes Unit No. 46

10. FIELD OR WILDCAT NAME
Natural Buttes Field

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Section 4-T10S-R22E

12. COUNTY OR PARISH
Uintah

13. STATE
Utah

14. API NO.
43-047-30513

15. ELEVATIONS (SHOW DF, KDB, AND WD)
5093' Ungr. Gr.

NBU 46 (COGC)
 Natural Buttes
 Uintah County, Utah
 AFE: 12114 WI:
 ATD: 5800 SD: 5-5-81/6-11-81
 Coastal Oil & Gas Corp., Oper.
 Westburne #9, Contr.
 9-5/8" @ 207' GL;

LOCATION: 1354' FSL & 1947' FEL
 NW SE, Sec 4-T10S-R22E.
 Elv: 5093' GL (ungr), KB = 18'

- 5-6-81 TD 212'; (212'-15 hrs); WO RT.
 RU Ram Air Drlg; spud 11:00 AM 5-5-81; drl 12 $\frac{1}{4}$ " hole to 212'.
- 5-8-81 TD 212'; WO RT.
 Ran 5 jnts 9-5/8" 36# K-55 8rd csg 209.05', landed @ 207' GL.
- 5-9-81 TD 212'; WO RT.
 Cmt by Howco w/125 sx Cl "G", 2% CaCl; circ 7 bbl to surf; job compl 10:20 AM
 5-8-81. Cum Csts: \$32,923.
- 5-10-81 thru 5-15-81 WO RT.
- 5-16-81 thru 6-10-81 TD 212'; WO RT & RU RT.
 Cum Csts: \$56,213.
- 6-11-81 TD 225' KB; Drlg 7-7/8" hole.
 RU; prep to press tst; press tst BOP stack w/Yellow Jacket, pipe rams, blind
 rams, all valves & flanges, tst to 3000 psi, hydril 1500 psi; PU BHA & tag cmt @ 188';
 drl cmt & shoes. MW 8.4, vis 27, circ res pit. Cum Csts: \$70,778.
- 6-12-81 836'; (610'-20 hrs); Drlg 30'/hr.
 Drl cmt & shoe; drl new form; RS; drl; rem #2 DW engine; drl; repl #2 engine;
 drl; surv; drl; rig rep; drl. MW 8.4, vis 27, circ res pti. (1 $\frac{1}{2}$ " @ 499'). Cum Csts:
 \$78,468.
- 6-13-81 1400'; (564'-17 $\frac{1}{2}$ hrs); Drlg.
 Drl; RS; drl; surv; drl; rig rep - cat head; TOH f/bit #2; TIH; drl. Lost fl @
 1375', came back fast; now drlg w/full retns. MW 8.4, vis 27, mud=wtr. (3/4" @ 1024')
 Cum Csts: \$88,843.
- 6-14-81 1650'; (250'-6 hrs); Drlg cmt plug #1.
 Drl w/full retns; dry drl 1503-1650', lost compl retns @ 1503'; TOH & std back
 DC; TIH OE; WO Howco; Howco set plug #1 @ 501' w/250 sx Cl "G", 2% CaCl, $\frac{1}{4}$ #/sk Flocele,
 10#/sk Gilsonite; compl 4:10 PM 6-13-81; TOH & WOC; fill hole w/37 bbl & stayed full;
 WOC; TIH, tag cmt @ 670'; drl cmt f/full retns. MW 8.4, vis 27, circ res pit. Cum
 Csts: \$96,783.
- 6-15-81 2230'; (580'-16 $\frac{1}{2}$ hrs); Drlg.
 Drl cmt 700-1500'; drl; isnt rot head; drl; surv; drl. MW 8.4, vis 27, circ
 res pit. (2 $\frac{1}{2}$ " @ 2014'). Cum Csts: \$100,568.
- 6-16-81 2933'; (703'-21 $\frac{1}{2}$ hrs); Drlg.
 Drl; surv; drl; gir service; drl; surv; drl; RS; drl; surv; drl. Need 4 $\frac{1}{2}$ "
 csg. MW 8.4, vis 27, (wtr). (1 $\frac{1}{2}$ " @ 2307') (2" @ 2525') (1 $\frac{1}{2}$ " @ 2711'). Cum Csts:
 \$108,437.
- 6-17-81 3535'; (602'-22 $\frac{1}{2}$ hrs); Drlg.
 Drl; RS; drl; surv; drl; surv; drl. BGG 30 units, CG 200 units. Drlg Brks:
 3266-80' 2 $\frac{1}{2}$ -1 $\frac{1}{2}$ -3 mpf, 20-50-30 units gas; 3316-3324' 2 $\frac{1}{2}$ -1 $\frac{1}{2}$ -2 $\frac{1}{2}$ mpf, 20-30-40 units gas;
 3424-3430' 2-1 $\frac{1}{2}$ -3 mpf, 20-25-30 units gas; 3458-3462' 2-4 $\frac{1}{2}$ -2 mpf, 40-60-60 units gas;
 3510-3514' 2 $\frac{1}{2}$ -1 $\frac{1}{2}$ -2 $\frac{1}{2}$ mpf, 45-50-50 units gas. MW 8.4, vis 27, (wtr). (2" @ 3215')
 (2-3/4" @ 3420'). Cum Csts: \$116,381.
- 6-18-81 4070'; (535'-22 $\frac{1}{2}$ hrs); Drlg.
 Drl; surv; drl; RS; drl; surv; drl. BGG 1000 units, CG 1300 units. Drlg
 Brks: 3892-3996' 3 $\frac{1}{2}$ -2 $\frac{1}{2}$ -4 mpf, 800-900-900 units; 4004-4014' 4-2 $\frac{1}{2}$ -4 mpf, 900-1300-1300
 units. MW 8.7, vis 35, mudded up. (1-3/4" @ 3619') (1 $\frac{1}{2}$ " @ 3839'). Cum Csts: \$123,950
- 6-19-81 4375'; (305'-18 $\frac{1}{2}$ hrs); Drlg
 Drl; TOH f/new bit; RS; TIH w/bit #3; drl. BGG 500 units, CG 1200 units.
 Drlg Brks: 4280-4300' 2 $\frac{1}{2}$ -1 $\frac{1}{2}$ -3 mpf, 500-500-500 units; 4332-4342' 4-2 $\frac{1}{2}$ -3 $\frac{1}{2}$ mpf, 400-650-
 500 units; 4354-4358' 3-2-3 mpf, 500-550-550 units. MW 9.1, vis 38, WL 16, PV 9, YP 1
 Sd Tr, Sol 5 $\frac{1}{2}$, pH 10, Alk 0.3, Mf 0.55, CL 3200, CA 80, Gels 2/4, Cake 2/32, MBT 3.0.
 Cum Csts: \$138,354.

Drilling?

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

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

1. oil well gas well other

2. NAME OF OPERATOR
Coastal Oil & Gas Corporation

3. ADDRESS OF OPERATOR
P. O. Box 749, Denver, Colorado 80211

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)

AT SURFACE: 1354' FSL & 1947' FEL (NW SE)
AT TOP PROD. INTERVAL: SAME
AT TOTAL DEPTH: Same

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

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

RECEIVED
DIVISION OF
OIL, GAS & MINING

5. LEASE U-01191
6. IF INDIAN, ALLOTTEE OR TRIBE NAME N/A
7. UNIT AGREEMENT NAME Natural Buttes Unit
8. FARM OR LEASE NAME Natural Buttes Unit
9. WELL NO. Natural Buttes Unit No. 46
10. FIELD OR WILDCAT NAME Natural Buttes Field
11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Section 4-T10S-R22E
12. COUNTY OR PARISH Uintah
13. STATE Utah
14. API NO. 43-047-30513
15. ELEVATIONS (SHOW DF, KDB, AND WD) 5093' Ungr. Gr.

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

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Please see attached chronological for report of operations 7/16/81-8/15/81.

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

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

SIGNED H. E. Aab TITLE Dist. Drilling Mgr DATE August 17, 1981

(This space for Federal or State office use)

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

NBU 46 (COGC)

Natural Buttes

Uintah County, Utah

AFE: 12114 WI: FO BI/APO

ATD: 5800' SD: 5-5-81/6-11-81

Coastal Oil & Gas Corp., Oper.

Westburne #9, Contr.

9-5/8" @ 207' GL; 4½" @ 5797';

LOCATION: 1354' FSL & 1947' FEL

NW SE, Sec 4-T10S-R22E.

Elev: 5093' GL (ungr), KB = 18'

TD: 5800'

PBSD: 5757'

6-20-81 4650'; (275'-22 hrs); Drlg.

Drl; RS; drl; trip 16 stds f/hole in pipe; drl. BGG 150 units, CG 700 units.
 Drlg Brks: 4566-4574' 4/3/4 mpf, 170/270/170 units; 4608-4620' 4/3/4 mpf, 160/200/100
 units; 4622-4630' 4/3/4 mpf, 120/200/200 units. MW 9.3, vis 38, WL 10, PV 10, YP 15, Sd
 Tr, Sol 7, pH 10, Alk 0.25, CL 3600, CA 60, Gels 2/4, Cake 2/32, MBT 2.5, Cr 400. Cum
 Csts: \$148,260.

6-21-81 4940'; (290'-23½ hrs); Drlg.

Drl; RS; drl. BGG 200 units, CG 1000 units. Drlg Brk: 4910-4916' 5/4/4½
 mpf, 100/230/200 units. MW 9.4, vis 38, WL 10, PV 9, YP 11, Sd ¼, Sol 7.5, pH 10, Alk
 0.3, MF 1.5, CL 3200, CA 80, Gels 2/5, Cake 2/32, MBT 2.5, Cr 450. Cum Csts: \$196,501.

6-22-81 5185'; (245'-22½ hrs); Drlg.

Drl; RS; drl; RS & surv; drl. BGG 180 units, CG 500 units. MW 9.7, vis 38, WL
 10, PV 13, YP 14, Sd ¼, Sol 9, pH 10.5, Alk 0.28, MF .48, CL 2600, CA 80, Gels 2/4, Cake
 2/32, MBT 3.5, Cr 500. (1° @ 5050'). Cum Csts: \$205,444.

6-23-81 5440'; (255'-22½ hrs); Drlg.

Drl; RS; drl; RS; drl; LD bad jnt DP; drl. BGG 150 units, CG 450 units. MW
 9.6, vis 38, WL 10, PV 7, YP 13, Sd ¼, Sol 9, pH 10, Alk 0.16, MF 0.3, CL 1600, CA 80,
 Gels 2/4, Cake 2/32, Cr 500, MBT 2.5. Cum Csts: \$213,783.

6-24-81 5700'; (260'-22½ hrs); Drlg.

Drl; RS; drl; RS; drl; rig rep - rot chain; drl. Drlg Brk: 5582-92' 6/2/6
 mpf, 120/220/20 units gas; 5660-5682' 6/2/4½ mpf, 120/1450/120 units. BGG 120 units,
 CG 350 units. Should be at TD this afternoon (4 PM). MW 9.7, vis 43, WL 10, PV 14, YP
 15, Sd 1, Sol 9, pH 10, Alk 0.2, MF 3.2, CL 1600, CA 40, Gels 3/6, Cake 2/32, MBT 15.0,
 Cr 400. Cum Csts: \$222,213.

6-25-81 5800'; (100'-12 hrs); Logging w/Welex.

Drl; RS; drl; RS; drl; circ f/logs; TOH, DLM 5814'; run EL. Welex has run
 DIL to their TD 5814'; now running FDC-CNL. Reached TD @ 7:15 PM 6-24-81; should be
 thru logging @ 11 AM. MW 9.7, vis 42, WL 9.0, PV 13, YP 16, Sd ¼, Sol 9.0, pH 10.5,
 Alk 0.23, MF 0.38, CL 1500, CA 60, Gels 2/5, Cake 2/32, Cr 450. Cum Csts: \$230,993.

6-26-81 TD 5800'; Running 4½" csg.

Fin running E logs w/Welex; TIH w/bit to cond hole; circ @ 5800'; TOH, LD
 DP & DC; pull wear ring; run 4½" csg. Vol based on Caliper: excess 10% lead - 50/50 Poz,
 15% tail - 50/50 Poz; will displ w/5% KCl. MW 9.7, vis 42, WL 9, PV 13, YP 16, Sd ¼,
 Sol 9, pH 10.5, Alk 0.23, MF 0.38, CL 1500, CA 60, Gels 2/5, Cake 2/32, MBT 15, Cr 450.
 Cum Csts: \$251,393.

6-27-81 TD 5800'; PBSD 5757' FC; RD.

RD Westburne #65 & prep to move to CIGD 51D. Fin running 4½" csg 149 jnts,
 5800', 11.6# 8rd N-80 LT&C; set @ 5797' KB (KB = 18.0'), FC @ 5757'; circ w/rig pmp;
 Howco cmt w/50 bbl C53, 30 bbl mud flush, 745 sx 50/50 Poz, 8% gel, 10% salt, 5#/sk
 Gilsonite, 0.6% Halad-24, ¼#/sk Flocele + 1000 sx 50/50 Poz, 2% gel, 10% salt, 6/10%
 Halad-4, ¼#/sk Flocele; displ w/90 bbl KCl wtr (5%); PD @ 10:20 AM 6-26-81; circ 75 bbl
 good cmt to surf = 375 sx; set slips; ND BOP & clean mud tanks; RD RT. Rig rel @ 4:00
 PM 6-26-81. Drop f/report; WO CU. Cum Csts: \$336,489.

6-28-81 thru 7-27-81 WO CU.7-28-81 TD 5800'; PBSD 5757'; Prep to log.

MI RU Nash Well Service; NU BOP & set pmp. Cum Csts: \$1400.

7-29-81 Prep to log.

Road to loc; RU Welex & ran GR-CCL; tag cmt @ 5654'; POH & RD Welex; RU &
 TIH w/185 jnts 2-3/8" tbg to 5733' & clean out by circ on btm f/45 min; POH w/2-3/8"
 tbg; SDFN. Cum Csts: \$7278.

SUBMIT IN DUPLICATE*

STATE OF UTAH
OIL & GAS CONSERVATION COMMISSION

(See other instructions on reverse side)

5. LEASE DESIGNATION AND SERIAL NO.

U-01191

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

N/A

7. UNIT AGREEMENT NAME

NATURAL BUTTES UNIT

8. FARM OR LEASE NAME

NATURAL BUTTES UNIT

9. WELL NO.

NBU #46

10. FIELD AND POOL, OR WILDCAT

NATURAL BUTTES FIELD

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

SECTION 4-T10S-R22E

12. COUNTY OR PARISH

UINTAH

13. STATE

UTAH

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
COASTAL OIL & GAS CORPORATION

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

DIVISION OF OIL, GAS & MINING

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)

At surface 1354' FSL 1947' FEL (NW SE)

At top prod. interval reported below SAME

At total depth SAME

14. PERMIT NO. 513
43-047-30872 DATE ISSUED 1-22-81

15. DATE SPUNDED 5-9-81 16. DATE T.D. REACHED 6-24-81 17. DATE COMPL. (Ready to prod.) 8-13-81 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* 5093' UNGR 19. ELEV. CASINGHEAD UNKNOWN

20. TOTAL DEPTH, MD & TVD 5800' 21. PLUG, BACK T.D., MD & TVD 5733' 22. IF MULTIPLE COMPL., HOW MANY* N/S 23. INTERVALS DRILLED BY → 0 TD CABLE TOOLS --

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* 5680' - 4942' (WASATCH) 25. WAS DIRECTIONAL SURVEY MADE YES

26. TYPE ELECTRIC AND OTHER LOGS RUN (DIL) - FDC (CNL) 27. WAS WELL CORDED 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#	207'	12-1/4"	125 SX	
4-1/2"	11.6#	5797'	7-7/8"	1745 SX	

29. LINER RECORD

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

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
2-3/8	4830.17'	

31. PERFORATION RECORD (Interval, size and number)

Perf w/3-1/8" csg gun as follows:
5680 (1) 5583 (2) 5205 (1)
5672 (1) 5216 (1) 4942 (2)
5668 (1) 5212 (1)
5663 (1) 5209 (1) 12 HOLES

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
5680 - 4942	Breakdown w/2400 gal KCl 5% wtr. Frac w/55,000 gal gel and 110,000# 20/40 sand.

33. PRODUCTION

DATE FIRST PRODUCTION 8/13/81 PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) FLOWING WELL STATUS (Producing or shut-in) SI WOPLC

DATE OF TEST 8/13/81 HOURS TESTED 24 CHOKER SIZE 15/64 PROD'N. FOR TEST PERIOD → OIL—BBL. -- GAS—MCF. 1400 WATER—BBL. 1 GAS-OIL RATIO --

FLOW. TUBING PRESS. 1250 CASING PRESSURE 1250 CALCULATED 24-HOUR RATE → OIL—BBL. -- GAS—MCF. 1400 WATER—BBL. 1 OIL GRAVITY-API (CORR.) --

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

35. LIST OF ATTACHMENTS

NONE

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

SIGNED [Signature] TITLE PRODUCTION ENGINEER DATE 9/9/81

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

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

REPORT OF WATER ENCOUNTERED DURING DRILLING

Well Name & Number COG NBU #46

Operator COASTAL OIL & GAS CORP Address P.O. BOX 749, DENVER, CO 80201

Contractor WESTBURN DRILLING INC. Address P.O. BOX 13079, DENVER, CO 80201

Location NW 1/4 SE 1/4 Sec. 4 T: 10S R. 22E County UINTAH

Water Sands

	<u>Depth</u>		<u>Volume</u>	<u>Quality</u>
	From	To	Flow Rate or Head	Fresh or Salty
1.	NONE REPORTED			
2.				
3.				
4.				
5.				

(Continue of reverse side if necessary)

Formation Tops GREEN RIVER 930' (+4181)
WASATCH 4303' (+808)

Remarks

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

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

1. oil well gas well other

2. NAME OF OPERATOR
Coastal Oil & Gas Corporation

3. ADDRESS OF OPERATOR
P. O. Box 749, Denver, Colorado 80201

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 1354' FSL & 1947' FEL (NW SE)
AT TOP PROD. INTERVAL: SAME
AT TOTAL DEPTH: Same

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

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

5. LEASE
U-01191

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

7. UNIT AGREEMENT NAME
Natural Buttes Unit

8. FARM OR LEASE NAME
Natural Buttes Unit

9. WELL NO.
Natural Buttes Unit No. 46 ⁵¹⁻²¹⁻¹⁰⁻²²

10. FIELD OR WILDCAT NAME
Natural Buttes Field

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Section 4-T10S-R22E

12. COUNTY OR PARISH
Uintah

13. STATE
Utah

14. API NO.
43-047-30513

15. ELEVATIONS (SHOW DF, KDB, AND WD)
5093' Ungr. Gr.

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

SEP 21 1981

DIVISION OF
OIL, GAS & MINING

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.)*

Well completed 8/13/81. Completion report filed 9/9/81.

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

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

SIGNED H. E. Aab TITLE Dist. Drilling Mgr DATE September 17, 1981

(This space for Federal or State office use)

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

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

1. oil well gas well other

2. NAME OF OPERATOR
Coastal Oil & Gas Corporation

3. ADDRESS OF OPERATOR
P. O. Box 749, Denver, Colorado 80201

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 1354' FSL & 1947' FEL (NW SE)
AT TOP PROD. INTERVAL: SAME
AT TOTAL DEPTH: Same

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

REQUEST FOR APPROVAL TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

PULL OR ALTER CASING

MULTIPLE COMPLETE

CHANGE ZONES

ABANDON*

(other) Change Plans

SUBSEQUENT REPORT OF:

5. LEASE
U-01191

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

7. UNIT AGREEMENT NAME
Natural Buttes Unit

8. FARM OR LEASE NAME
Natural Buttes Unit

9. WELL NO.
Natural Buttes Unit No. 46

10. FIELD OR WILDCAT NAME
Natural Buttes Field

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Section 4-T10S-R22E

12. COUNTY OR PARISH
Uintah

13. STATE
Utah

14. API NO.
43-047-30513

15. ELEVATIONS (SHOW DF, KDB, AND WD)
5093' Ungr. Gr.

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

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Delete paragraph 3, Item 4:
"Location of Tank Batteries, Production Facilities and Production Gathering and Surface Lines",
in the 13-Point Surface Use Program, which reads:

"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."

No such fences or cattleguards have been installed or are planned for this producing location, as the lack of any grazing of cattle in this area render such installation unnecessary.

This Sundry Notice is submitted per Mr. Max McCoy's report of non-compliance with our original 13-Point Program as contained in his letter dated 7/28/82.

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

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

SIGNED William Gooden TITLE Area Engineer DATE August 4, 1982

(This space for Federal or State office use)

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

COLORADO INTERSTATE GAS COMPANY

WELL TEST DATA FORM

STATE COPY

FIELD CODE 00-01-11		FIELD NAME NATURAL BUTTES, UT				OPERATOR CODE 2915	OPERATOR NAME COASTAL OIL & GAS CORPORATION				WELL NAME NATURAL BUTTES UNIT 46			
WELL CODE 3	SECT. 4	LOCATION TWN/SH/BLK 10S 22E	RGE/SUR. 22E	PANHANDLE/REDCAVE SEQ. NUMBER 00625		FORMATION NASATCH SA FLOW TEST								

WELL ON (OPEN)										FLOW TEST																				
DATE (COMP.)						ORIFICE SIZE		METER RUN SIZE			COEFFICIENT		GRAVITY (SEP.)		METER DIFF. RANGE		METER PRESSURE		DIFFERENTIAL ROOTS		METER TEMP.		WELL HEAD TEMP.		FLOWING TUB/CSG PRESSURE		STATIC TSG/CSG PRESSURE		FLOWING STRING TUBING CASING	
MO.	DAY	YR.	MO.	DAY	YR.	27	28	32	33	38	39	42	43	45	46	51	52	55	56	58	59	61	62	67	68	73	74	75		
X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
06 25 83						06 28 83		01164 0		01164 0			777		1 9950		4830						0845 0		010160		X			

WELL-OFF (SHUT-IN)										SHUT-IN TEST		SLOPE		EFFECTIVE DIAMETER		EFFECTIVE LENGTH		GRAVITY (RAW GAS)	EST CSG PRESS	EST TBG PRESS	TO THE BEST OF MY KNOWLEDGE THE ABOVE DATA IS CORRECT.					
PRESSURE TAKEN			DATE			CASING PRESSURE (PSIG)		TUBING PRESSURE (PSIG)		SLOPE		EFFECTIVE DIAMETER		EFFECTIVE LENGTH		GRAVITY (RAW GAS)	EST CSG PRESS	EST TBG PRESS								
MO.	DAY	YR.	MO.	DAY	YR.	23	28	29	34	35	38	39	44	45	49	50	53	54	55							
X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	E	E							
06 25 83			06 28 83			01164 0		01164 0		777		1 9950		4830												

REMARKS:

22646 00625

CIG: *H. K. ...*
 OPERATOR: *BO Schatz*
 COMMISSION: _____

MET STA

**COLORADO INTERSTATE GAS COMPANY
WELL TEST DATA FORM**

STATE COPY

WELL CODE 01-11			FIELD NAME NATURAL BUTTES, UT					OPERATOR CODE 3915		OPERATOR NAME COASTAL OIL & GAS CORPORATION					WELL NAME NATURAL BUTTES UNIT 46														
WELL CODE 3		SECT. 4	LOCATION TWN/SH/BLK 10S 02E		RGE/SUR. 02E		PANHANDLE/NEDECAVE K-FACTOR		FORMATION PARATCH SA		FLOW TEST					1													
WELL ON (OPEN)			DATE (COMP.)			ORIFICE SIZE	METER RUN SIZE	COEFFICIENT	GRAVITY (SEP.)	METER DIFF. RANGE	METER PRESSURE	DIFFERENTIAL ROOTS	METER TEMP.	WELL HEAD TEMP.	FLOWING CSG PRESSURE	STATIC TSG/CSG PRESSURE	FLOWING STRING												
MO.	DAY	YR.	MO.	DAY	YR.												TUBING	CASING	CASING										
11-12	13-14	15-16	17-18	19-20	21-22	23	27-28	32-33	38-39	42-43	48-46	51-52	55-56	58-59	61-62	67-68	73	74	75										
X X	X X	X X	X X	X X	X X	X X	X X X X	X X X X X X	X X X X X	X X X X	X X X X X X	X X	X X X	X X X	X X X X X X	X X X X X X	X	X	X										
08	31	82	09	07	82	00	625	0057	01914	00608	100	00597.0	0340	081	00631.0	00824.0			X										
WELL-OFF (SHUT-IN)			SHUT-IN TEST			SLOPE	EFFECTIVE DIAMETER	EFFECTIVE LENGTH	GRAVITY (RAW GAS)	EST CSG PRESS	EST TBG PRESS	TO THE BEST OF MY KNOWLEDGE THE ABOVE DATA IS CORRECT. CIG: <i>H.K. Nash</i> OPERATOR: <i>Cliff Johnson</i> COMMISSION: _____																	
PRESSURE TAKEN			DATE																		CASING PRESSURE (PSIG)	TUBING PRESSURE (PSIG)							
MO.	DAY	YR.	MO.	DAY	YR.	23	28	29	34	35	38-39												44	45	49	50	53	54	55
X X	X X	X X	X X	X X	X X	X X X X X X	X	X X X X X X	X	X	X X X X	X X	X X X X X	X X X X X X	X	X X X	E	E											
09	07	82	09	10	82	01177.0	01025.0	717	1.095	453	0608																		
72646										00625										REMARKS:									

MET STAMP

**COLORADO INTERSTATE GAS COMPANY
WELL TEST DATA FORM**

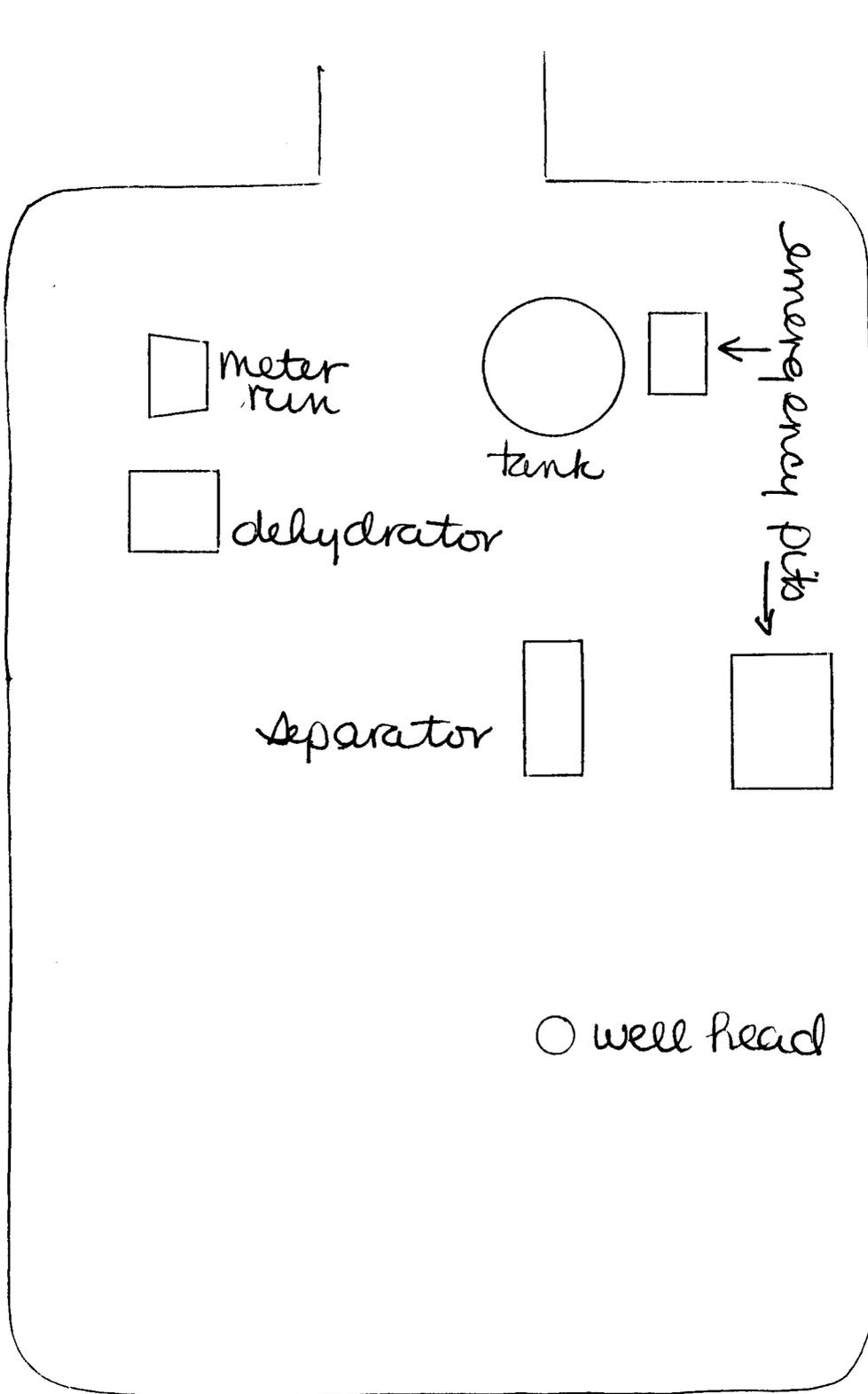
STATE COPY

FIELD CODE 760-01-11			FIELD NAME NATURAL BUTTES, UT						OPERATOR CODE 2915		OPERATOR NAME COASTAL OIL & GAS CORPORATION						WELL NAME NATURAL BUTTES UNIT 46															
WELL CODE 72646		SECT. 4	LOCATION TWN/SHR/BLK RGE/SUR 10S 22E			PANHANDLE/REDCAVE SEC. NUMBER K-FACTOR		FORMATION WASATCH SA FLOW TEST												1												
WELL ON (OPEN)			DATE (COMP.)						ORIFICE SIZE		METER RUN SIZE		COEFFICIENT		GRAVITY (SEP.)		METER DIFF. RANGE		METER PRESSURE		DIFFERENTIAL ROOTS		METER TEMP.		WELL HEAD TEMP.		FLOWING TSG/CSG PRESSURE		STATIC TSG/CSG PRESSURE		FLOWING STRONG TUBING CASING	
MO.	DAY	YR.	MO.	DAY	YR.	23	27	28	32	33	38	39	42	43	45	46	51	52	55	56	58	59	61	62	67	68	73	74	76			
XX	XX	XX	XX	XX	XX	XX	XXX	XX	XXX		XXXXX	X	XXXXX	XXX	XXXXX	X	XXXXX	X	XX	XX	XXX	XXX	XXX	XXXXX	X	XXXXXX	X					
	12	08	81		12	15	81		01	000		2	067																			
WELL-OFF (SHUT-IN)			SHUT-IN TEST						SLOPE		EFFECTIVE DIAMETER		EFFECTIVE LENGTH		GRAVITY (RAW GAS)		EST CSG PRESS		EST TBG PRESS		TO THE BEST OF MY KNOWLEDGE THE ABOVE DATA IS CORRECT. CIG: <u>H. K. Nash</u> OPERATOR: <u>C. G. Webb</u> COMMISSION: _____											
			PRESSURE TAKEN			DATE			CASING PRESSURE (PSIG)		TUBING PRESSURE (PSIG)																					
MO.	DAY	YR.	MO.	DAY	YR.	23	28	29	34	35	38	39	44	45	49	50	53	54	55													
XX	XX	XX	XX	XX	XX	XXXXX	X	XXXXX	X	X	XXX	XX	XXXXX	XXXXXX	X	XXX	E	E														
METER STAMP			72646 0100n						REMARKS:																							

NBU 46

Sec 4, T105, R22E

Hubly 1/11/89



UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED
JUN 08 1995
U-01191
BUREAU OF OIL, GAS & MINING

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993
Lease Designation and Serial No.
U-01191
Indian, Alutian or Tribe Name
N/A

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.

Use "APPLICATION FOR PERMIT" - for such proposals.

SUBMIT IN TRIPLICATE

1. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other	8. Well Name and No. NBU #46
2. Name of Operator Coastal Oil & Gas Corporation	9. API Well No. 43-047-30513
3. Address and Telephone No. P. O. Box 749, Denver, CO 80201-0749 (303) 573-4455	10. Field and Pool, Or Exploratory Area Natural Buttes
4. Location of Well (Footage, Sec., T., R., M., Or Survey Description) 1354' FSL & 1947' FEL Section 4-T10S-R22E	11. County or Parish, State Uintah County, UT

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back
	<input type="checkbox"/> Casing Repair
	<input type="checkbox"/> Altering Casing
	<input checked="" type="checkbox"/> Other <u>CO Reperf, Lwr Tbg & install Plunger Lift</u>
	<input type="checkbox"/> Change of Plans
	<input type="checkbox"/> New Construction
	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Conversion to Injection
	<input type="checkbox"/> Dispose Water

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. 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 markets and zones pertinent to this work.)*

Please see the attached workover procedure for work to be performed on the subject well.

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

Signed Sheila Bremer Title Environmental & Safety Analyst Date 06/06/95
Sheila Bremer

(This space for Federal or State office use)

APPROVED BY _____ Title _____ Date _____
Conditions of approval, if any:

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

***See instruction on Reverse Side**

NBU #46

Section 4-T10S-R22E
Natural Buttes Field

PROCEDURE

1. MI & RU. Kill well w/3% KCl water. ND WH. NU BOP. POOH w/2-3/8" tubing.
2. RIH w/bit & hydrostatic bailer to PBTB (5733').
3. RU & perforate Wasatch w/3-1/8" casing gun (4 JSPF). Perforate from Compensate Neutron-Density Log (6/81):

4941	5205	5582	5663
4942	5209	5583	5668
	5212		5672
	5216		5680

(48 holes)

4. RIH w/2-3/8" tubing to 5680' (new EOT). Swab & flow well to clean up.
5. Install plunger lift stop via WL. ND BOP. NU WH. Complete plunger lift installation.
6. After returning well to sales line, obtain rates and pressures.

Rate prior to W/O (2-21-95): 55 MCFD, FTP 275#, CP 450#, LP 268# on 30/64" choke.

THE COASTAL CORPORATION PRODUCTION REPORT

CHRONOLOGICAL HISTORY

Page 1

NBU #46 (CO-Reperf-Lwr Tbg-Install PLE)
 NATURAL BUTTES UNIT
 UINTAH COUNTY, UTAH
 WI: 60.0% COGC AFE: 10152
 CWC(M\$): 35.5

4/25/95 **PO: Prep to run GR CCL & Perf.** MIRU Rig. Blw dwn, kill well w/60 BBLS 3% KCl wtr. ND WH, NU BOP. RIH w/tbg, tag fill @ 5584'. POOH w/tbg. PU & RIH w/hydro bailer. CO sd f/5584 to PBSD @ 5727'. POOH & LD bailer. SDFN.
 DWC: \$ 5,390 CWC: \$ 5,390

4/26/95 **PO: SI for BHPBU.** RU WL. Run GR-CCL f/5688-4700'. Perf 12 intervals 4941-5680', 4 SPF w/3/8" csg gun. RD WL. RIH w/tbg, landed @ 5678'. SN @ 5646'. ND BOP, NU WH. RU swb. Rec 60 BW/15 runs. IFL 3500', FFL 4700', SICP 300#. Well flwd 10-20 min after each of the last 3 runs. SDFN.
 DWC: \$ 8,160 CWC: \$13,550

4/27/95 **PO: Producing.** SITP 400#, SICP 500#. RDMO rig. Flw well to pit 2 hrs. SI. Hook up PLE. Turned into sales line @ 1:00 p.m. 4/26/95.

<u>TP</u>	<u>CP</u>	<u>CHK</u>	<u>LP</u>	<u>MCF</u>	<u>BW</u>	<u>HRS DWN</u>
300	440	30/64"	278	137	10	11
DWC: \$ 300						CWC: \$13,850

<u>TP</u>	<u>CP</u>	<u>CHK</u>	<u>LP</u>	<u>MCF</u>	<u>BW</u>	<u>HRS DWN</u>
4/28/95 400	425	30/64"	279	148	4	10
4/29/95 310	450	30/64"	279	169	2	8
4/30/95 300	425	30/64"	279	178	6	8

FINAL REPORT.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

BLM/LPS/DOV/...
FORM APPROVED
Budget Bureau No. 1004-0135

Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT" - for such proposals

5. Lease Designation and Serial No.
U-01191

6. If Indian, Alottee or Tribe Name
N/A

7. If Unit or CA, Agreement Designation
Natural Buttes Unit

8. Well Name and No.
NBU #46

9. API Well No.
43-047-30513

10. Field and Pool, Or Exploratory Area
Natural Buttes

11. County or Parish, State
Uintah County, UT

SUBMIT IN TRIPLICATE

1. Type of Well
 Oil Well Gas Well Other

2. Name of Operator
Coastal Oil & Gas Corporation

3. Address and Telephone No.
P. O. Box 749, Denver, CO 80201-0749 (303) 573-4455

4. Location of Well (Footage, Sec., T., R., M., Or Survey Description)
1354' FSL & 1947' FEL
Section 4-T10S-R22E

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back
	<input type="checkbox"/> Casing Repair
	<input type="checkbox"/> Altering Casing
	<input checked="" type="checkbox"/> Other <u>CO Reperf, Lwr Tbg & Install Plunger Lit</u>
	<input type="checkbox"/> Change of Plans
	<input type="checkbox"/> New Construction
	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Conversion to Injection
	<input type="checkbox"/> Dispose Water

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. 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 markets and zones pertinent to this work.)*

Please see the attached chronological history for work performed in the subject well.

RECEIVED
JUL 2 1995

14. I hereby certify that the foregoing is true and correct
Signed Sheila Bremer Title Environmental & Safety Analyst Date 06/29/95

(This space for Federal or State office use)
APPROVED BY **NOTED** Title _____ Date JUL 6 1995
Conditions of approval, if any: _____

✓ Tax credit 11/28/95

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

*See Instruction on Reverse Side

OPERATOR

THE COASTAL CORPORATION PRODUCTION REPORT

CHRONOLOGICAL HISTORY

NBU #46 (CO-Reperf-Lwr Tbg-Install PLE)
 NATURAL BUTTES UNIT
 UINTAH COUNTY, UTAH
 WI: 60.0% COGC AFE: 10152
 CWC(M\$): 35.5

Page 1

4/25/95 PO: Prep to run GR CCL & Perf. MIRU Rig. Blw dwn, kill well w/60 BBLS 3% KCl wtr. ND WH, NU BOP. RIH w/tbg, tag fill @ 5584'. POOH w/tbg. PU & RIH w/hydro bailer. CO sd f/5584 to PBTD @ 5727'. POOH & LD bailer. SDFN.
 DWC: \$ 5,390 CWC: \$ 5,390

4/26/95 PO: SI for BHPBU. RU WL. Run GR-CCL f/5688-4700'. Perf 12 intervals 4941-5680', 4 SPF w/3/4" csg gun. RD WL. RIH w/tbg, landed @ 5678'. SN @ 5646'. ND BOP, NU WH. RU swb. Rec 60 BW/15 runs. IFL 3500', FFL 4700', SICP 300#. Well flwd 10-20 min after each of the last 3 runs. SDFN.
 DWC: \$ 8,160 CWC: \$13,550

4/27/95 PO: Producing. SITP 400#, SICP 500#. RDMO rig. Flw well to pit 2 hrs. SI. Hook up PLE. Turned into sales line @ 1:00 p.m. 4/26/95.

<u>TP</u>	<u>CP</u>	<u>CHK</u>	<u>LP</u>	<u>MCF</u>	<u>BW</u>	<u>HRS DWN</u>
300	440	30/64"	278	137	10	11
DWC: \$ 300						CWC: \$13,850

<u>TP</u>	<u>CP</u>	<u>CHK</u>	<u>LP</u>	<u>MCF</u>	<u>BW</u>	<u>HRS DWN</u>
4/28/95 400	425	30/64"	279	148	4	10
4/29/95 310	450	30/64"	279	169	2	8
4/30/95 300	425	30/64"	279	178	6	8

FINAL REPORT.

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

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

5. LEASE DESIGNATION AND SERIAL NUMBER:
6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
7. UNIT or CA AGREEMENT NAME:
8. WELL NAME and NUMBER:
Exhibit "A"
9. API NUMBER:
10. FIELD AND POOL, OR WILDCAT:

1. TYPE OF WELL OIL WELL GAS WELL OTHER _____

2. NAME OF OPERATOR:
El Paso Production Oil & Gas Company

3. ADDRESS OF OPERATOR: 8 South 1200 East CITY Vernal STATE Utah ZIP 84078 PHONE NUMBER: 435-789-4433

4. LOCATION OF WELL
FOOTAGES AT SURFACE: COUNTY:
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: <u>Name Change</u>
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.
As a result of the merger between The Coastal Corporation and a wholly owned subsidiary of El Paso Energy Corporation, the name of Coastal Oil & Gas Corporation has been changed to El Paso Production Oil & Gas Company effective March 9, 2001.
See Exhibit "A"

Bond # 400JU0708

Coastal Oil & Gas Corporation
NAME (PLEASE PRINT) John T. Elzner TITLE Vice President
SIGNATURE [Signature] DATE 06-15-01
El Paso Production Oil & Gas Company
NAME (PLEASE PRINT) John T. Elzner TITLE Vice President
SIGNATURE [Signature] DATE 06-15-01

This space for State use only

RECEIVED

JUN 19 2001

DIVISION OF OIL, GAS AND MINING

State of Delaware
Office of the Secretary of State

PAGE 1

I, HARRIET SMITH WINDSOR, SECRETARY OF STATE OF THE STATE OF DELAWARE, DO HEREBY CERTIFY THE ATTACHED IS A TRUE AND CORRECT COPY OF THE CERTIFICATE OF AMENDMENT OF "COASTAL OIL & GAS CORPORATION", CHANGING ITS NAME FROM "COASTAL OIL & GAS CORPORATION" TO "EL PASO PRODUCTION OIL & GAS COMPANY", FILED IN THIS OFFICE ON THE NINTH DAY OF MARCH, A.D. 2001, AT 11 O'CLOCK A.M.

RECEIVED

MAR 9 2001

DIVISION OF
OIL, GAS AND MINING



Harriet Smith Windsor
Harriet Smith Windsor, Secretary of State

0610204 8100

AUTHENTICATION: 1061007

010162788

DATE: 04-03-01

CERTIFICATE OF AMENDMENT
OF
CERTIFICATE OF INCORPORATION

COASTAL OIL & GAS CORPORATION (the "Company"), a corporation organized and existing under and by virtue of the General Corporation Law of the State of Delaware, DOES HEREBY CERTIFY:

FIRST: That the Board of Directors of the Company, by the unanimous written consent of its members, filed with the minutes of the Board, adopted a resolution proposing and declaring advisable the following amendment to the Certificate of Incorporation of the Company:

RESOLVED that it is deemed advisable that the Certificate of Incorporation of this Company be amended, and that said Certificate of Incorporation be so amended, by changing the Article thereof numbered "FIRST." so that, as amended, said Article shall be and read as follows:

"FIRST. The name of the corporation is El Paso Production Oil & Gas Company."

SECOND: That in lieu of a meeting and vote of stockholders, the stockholders entitled to vote have given unanimous written consent to said amendment in accordance with the provisions of Section 228 of the General Corporation Law of the State of Delaware.

THIRD: That the aforesaid amendment was duly adopted in accordance with the applicable provisions of Sections 242 and 228 of the General Corporation Law of the State of Delaware.

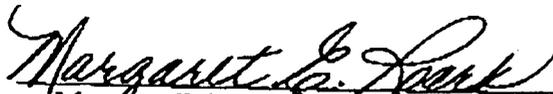
IN WITNESS WHEREOF, said COASTAL OIL & GAS CORPORATION has caused this certificate to be signed on its behalf by a Vice President and attested by an Assistant Secretary, this 9th day of March 2001.

COASTAL OIL & GAS CORPORATION



David L. Siddall
Vice President

Attest:



Margaret E. Roark, Assistant Secretary

RECEIVED

STATE OF DELAWARE
SECRETARY OF STATE
DIVISION OF CORPORATIONS
FILED 11:00 AM 03/09/2001
010118394 - 0610204

JUN 19 2001

DIVISION OF
OIL, GAS AND MINING



United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Utah State Office
P.O. Box 45155
Salt Lake City, UT 84145-0155

RECEIVED

JUL 12 2001

DIVISION OF
OIL, GAS AND MINING

In Reply Refer To:
3106
UTSL-065841
(UT-924)

JUL 10 2001

NOTICE

El Paso Production Oil & Gas Company : Oil and Gas
Nine Greenway Plaza :
Houston TX 77046-0095 :

Name Change Recognized

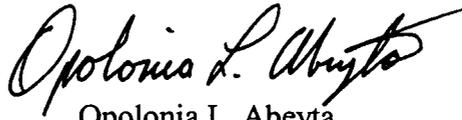
Acceptable evidence has been received in this office concerning the name change of Coastal Oil & Gas Corporation into El Paso Production Oil & Gas Company with El Paso Production Oil & Gas Company being the surviving entity.

For our purposes, the name change is recognized effective March 9, 2001.

The oil and gas lease files identified on the enclosed exhibit have been noted as to the name change. The exhibit was compiled from a list of leases obtained from our computer program. We have not abstracted the lease files to determine if the entities affected by this name change hold an interest in the leases identified nor have we attempted to identify leases where the entities are the operator on the ground maintaining no vested recorded title or operating rights interests. We will be notifying the Minerals Management Service and all applicable Bureau of Land Management offices of the change by a copy of this notice. If additional documentation for changes of operator are required by our Field Offices, you will be contacted by them.

If you identify additional leases in which the entities maintain an interest, please contact this office and we will appropriately document those files with a copy of this Notice.

Due to the name change, the name of the principal/obligor on the bond is required to be changed from Coastal Oil & Gas Corporation to El Paso Production Oil & Gas Company. You may accomplish this either by consent of surety rider on the original bond or a rider to the original bond. The bonds are held in Wyoming and Colorado.



Opolonia L. Abeyta
Acting Chief, Branch of
Minerals Adjudication

Enclosure

1. Exhibit of Leases (1 pp)

cc: Moab Field Office
Vernal Field Office
MMS, Reference Data Branch, MS3130, PO Box 5860, Denver CO 80217
~~State of Utah, DOGM~~, Attn: Jim Thompson (Ste. 1210), Box 145801, SLC UT 84114
Teresa Thompson (UT-922)
Joe Incardine (UT-921)

Exhibit of Leases

UTUSL-065841A	UTU-47172	UTU-74415	UTU-53860
UTU-28652	UTU-50687	UTU-74416	UTU-66401
UTU-37943	UTU-52298	UTU-75091	UTU-67868
UTU-44089	UTU-0109054	UTU-75096	UTU-65389
UTU-44090A	UTU-0143511	UTU-75097	UTU-77084
UTU-61263	UTU-0143512	UTU-75673	UTU-61430
UTU-00343	UTU-38401	UTU-76259	UTU-72633
UTU-02651	UTU-38411	UTU-76260	UTU-72650
UTU-02651B	UTU-38418	UTU-76261	UTU-49692
UTU-0142175	UTU-38419	UTU-76493	UTU-57894
UTU-70235	UTU-38420	UTU-76495	UTU-76829
UTU-70406	UTU-38421	UTU-76503	UTU-76830
UTU-74954	UTU-38423	UTU-78228	UTU-76831
UTU-75132	UTU-38424	UTU-78714	
UTU-75699	UTU-38425	UTU-78727	
UTU-76242	UTU-38426	UTU-78734	
UTU-78032	UTU-38427	UTU-79012	
UTU-4377	UTU-38428	UTU-79011	
UTU-4378	UTU-53861	UTU-71694	
UTU-7386	UTU-58097	UTU-00576	
UTU-8344A	UTU-64376	UTU-00647	
UTU-8345	UTU-65222	UTU-01470D	
UTU-8347	UTU-65223	UTU-0136484	
UTU-8621	UTU-66746	UTU-8344	
UTU-14646	UTU-67178	UTU-8346	
UTU-15855	UTU-67549	UTU-8648	
UTU-25880	UTU-72028	UTU-28212	
UTU-28213	UTU-72632	UTU-30289	
UTU-29535	UTU-73009	UTU-31260	
UTU-29797	UTU-73010	UTU-33433	
UTU-31736	UTU-73013	UTU-34711	
UTU-34350	UTU-73175	UTU-46699	
UTU-34705	UTU-73434	UTU-78852	
UTU-37116	UTU-73435	UTU-78853	
UTU-37355	UTU-73444	UTU-78854	
UTU-37573	UTU-73450	UTU-075939	
UTU-38261	UTU-73900	UTU-0149767	
UTU-39223	UTU-74409	UTU-2078	
UTU-40729	UTU-74410	UTU-44426	
UTU-40736	UTU-74413	UTU-49530	
UTU-42469	UTU-74414	UTU-51026	

OPERATOR CHANGE WORKSHEET

ROUTING

1. GLH		4-KAS
2. CDW		5-LP
3. JLT		6-FILE

Enter date after each listed item is completed

Change of Operator (Well Sold)

Designation of Agent

Operator Name Change (Only)

X Merger

The operator of the well(s) listed below has changed, effective: **3-09-2001**

FROM: (Old Operator):
COASTAL OIL & GAS CORPORATION
Address: 9 GREENWAY PLAZA STE 2721
HOUSTON, TX 77046-0995
Phone: 1-(713)-418-4635
Account N0230

TO: (New Operator):
EL PASO PRODUCTION OIL & GAS COMPANY
Address: 9 GREENWAY PLAZA STE 2721 RM 2975B
HOUSTON, TX 77046-0995
Phone: 1-(832)-676-4721
Account N1845

CA No.

Unit: NATURAL BUTTES

WELL(S)

NAME	API NO	ENTITY NO	SEC TWN RNG	LEASE TYPE	WELL TYPE	WELL STATUS
NBU 290	43-047-32987	2900	03-10S-22E	FEDERAL	GW	P
NBU 46	43-047-30513	2900	04-10S-22E	FEDERAL	GW	P
NBU 85J	43-047-31246	2900	04-10S-22E	FEDERAL	GW	P
COG NBU 67	43-047-31737	2900	04-10S-22E	FEDERAL	GW	P
NBU 148	43-047-31983	2900	04-10S-22E	FEDERAL	GW	P
NBU 147	43-047-31984	2900	04-10S-22E	FEDERAL	GW	P
NBU 170	43-047-32169	2900	04-10S-22E	FEDERAL	GW	P
NBU 208	43-047-32343	2900	04-10S-22E	FEDERAL	GW	P
NBU 311	43-047-32837	2900	04-10S-22E	FEDERAL	GW	P
NBU 313	43-047-32838	2900	04-10S-22E	FEDERAL	GW	P
NBU 335	43-047-33724	2900	04-10S-22E	FEDERAL	GW	P
NBU CIGE 52-5-10-22	43-047-30531	2900	05-10S-22E	FEDERAL	GW	P
NBU CIGE 73D-5-10-22P	43-047-30952	2900	05-10S-22E	FEDERAL	GW	S
NBU 140	43-047-31947	2900	05-10S-22E	FEDERAL	GW	P
NBU 149	43-047-31982	2900	05-10S-22E	FEDERAL	GW	P
NBU 171	43-047-32115	2900	05-10S-22E	FEDERAL	GW	P
NBU 242	43-047-32944	2900	05-10S-22E	FEDERAL	GW	P
NBU CIGE 74D-6-10-22P	43-047-30953	2900	06-10S-22E	FEDERAL	GW	P
NBU 84V	43-047-31245	2900	06-10S-22E	FEDERAL	GW	S
NBU 116	43-047-31925	2900	06-10S-22E	FEDERAL	GW	P

OPERATOR CHANGES DOCUMENTATION

- (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 06/19/2001
- (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 06/19/2001
- The new company has been checked through the **Department of Commerce, Division of Corporations Database** on: 06/21/2001
- Is the new operator registered in the State of Utah: YES Business Number: 608186-0143

JAN. 17. 2003 3:34PM

WESTPORT

NO. 173 P. 2

**WESTPORT OIL AND GAS COMPANY, L.P.**

410 Seventeenth Street #2300 Denver Colorado 80202-4436
Telephone: 303 573 5404 Fax: 303 573 5609

February 1, 2002

Department of the Interior
Bureau of Land Management
2850 Youngfield Street
Lakewood, CO 80215-7093
Attention: Ms. Martha Maxwell

RE: BLM Bond CO-1203
BLM Nationwide Bond 158626364
Surety - Continental Casualty Company
Belco Energy Corporation merger into Westport Oil and Gas Company, Inc.
Conversion of Westport Oil and Gas Company, Inc., into Westport Oil and Gas Company, L.P.
Assumption Rider - Westport Oil and Gas Company, L.P.

Dear Ms. Maxwell:

Pursuant to our recent conversations, please find the following list of enclosures for the BLM's consideration and approval:

Two (2) Assumption Riders, fully executed originals.
Copies of Belco Energy Corporation merger into Westport Oil and Gas Company, Inc.
Copies of Westport Oil and Gas Company, Inc., conversion into Westport Oil and Gas Company, L.P.
List of all Federal/BIA/State Leases - Belco/Westport's leases - in all states.

Please inform us of any additional information needed to complete the change to Westport Oil and Gas Company, L.P., as operator of record.

I thank you for your assistance and cooperation in this matter. Please do not hesitate contacting the undersigned, should a question arise.

Sincerely,
Westport Oil and Gas Company, L.P.

Debby J. Black
Engineer Technician

Encl:



United States Department of the Interior **RECEIVED**

BUREAU OF LAND MANAGEMENT

Utah State Office
P.O. Box 45155
Salt Lake City, UT 84145-0155

FEB 22 2002

DIVISION OF
OIL, GAS AND MINING

In Reply Refer To:
3106
UTU-25566 et al
(UT-924)

FEB 21 2002

NOTICE

Westport Oil and Gas Company L.P. : Oil and Gas
410 Seventeenth Street, #2300 :
Denver Colorado 80215-7093 :

Name Change Recognized

Acceptable evidence has been received in this office concerning the name change of Westport Oil and Gas Company, Inc. into Westport Oil and Gas Company, L.P. with Westport Oil and Gas Company, L.P. being the surviving entity.

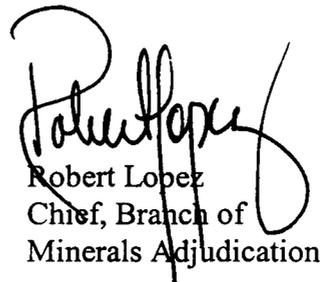
For our purposes, the name change is recognized effective December 31, 2001.

The oil and gas lease files identified have been noted as to the name change. The exhibit was compiled from a list of leases obtained from our computer program. We have not abstracted the lease files to determine if the entities affected by this name change hold an interest in the leases identified nor have we attempted to identify leases where the entities are the operator on the ground maintaining no vested recorded title or operating rights interests. We will be notifying the Minerals Management Service and all applicable Bureau of Land Management offices of the change by a copy of this notice. If additional documentation for changes of operator are required by our Field Offices, you will be contacted by them.

If you identify additional leases in which the entities maintain an interest, please contact this office and we will appropriately document those files with a copy of this Notice.

Due to the name change, the name of the principal/obligor on the bond is required to be changed from Westport Oil and Gas Company, Inc. to Westport Oil and Gas Company, L.P.. You may accomplish this either by consent of surety rider on the original bond or a rider to the original bond. The bonds are held in Colorado.

UTU-03405
UTU-20895
UTU-25566
UTU-43156
UTU-49518
UTU-49519
UTU-49522
UTU-49523



Robert Lopez
Chief, Branch of
Minerals Adjudication

cc: Moab Field Office
Vernal Field Office
MMS, Reference Data Branch, MS3130, PO Box 5860, Denver CO 80217
State of Utah, DOGM, Attn: Jim Thompson (Ste. 1210), Box 145801, SLC UT 84114
Teresa Thompson (UT-922)
Joe Incardine (UT-921)

memorandum

Branch of Real Estate Services
Uintah & Ouray Agency

Date: 5 December, 2002

Reply to
Attn of: Supervisory Petroleum Engineer

Subject: Modification of Utah Division of Oil, Gas and Mining Regulations

To: Director, Utah Division of Oil, Gas and Mining Division: John Baza

We have been advised of changes occurring with the operation of your database for Change of Operator. You will be modifying your records to reflect Change of Operator once you have received all necessary documentation from the companies involved, and perhaps in advance of our Notice of Concurrence/Approval of Change of Operator where Indian leases are involved.

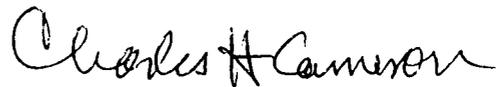
We have no objection.

With further comment to Rulemaking, I wish to comment concerning the provision of Exhibits for upcoming Hearings. I would like to see the Uintah & Ouray Agency, BIA, and the Ute Indian Tribe, Energy & Mineral Resources Department added to the list of those parties that receive advance Exhibits so as to allow us to have research time prior to Hearing dates. We will be able to provide a more informed recommendation to the Oil, Gas and Mining Board. It would be best if we would receive only those Exhibits that concern Indian lands, specifically on or adjacent to Indian lands. This may be a difficult situation to attain, as it is not always clear where 'on or adjacent' occurs.

I am aware that you have gone to extra effort to correct this matter already, and I fully appreciate it. My request is intended only to allow the addition of Uintah & Ouray Agency and Ute Indian Tribe to the official listing.

We appreciate your concern, and hope that these comments are timely enough for consideration in the revision process.

CC: Minerals & Mining Section of RES
Ute Energy & Mineral Resources Department: Executive Director
chrono





IN REPLY REFER TO:
Real Estate Services

United States Department of the Interior

BUREAU OF INDIAN AFFAIRS
Washington, D.C. 20240

FEB 1 0 2003

Carroll A. Wilson
Principal Landman
Westport Oil and Gas Company, L.P.
1368 South 1200 East
Vernal, Utah 84078

Dear Mr. Wilson:

This is in response to your request for approval of RLI Insurance Company's Nationwide Oil and Gas Lease Bond No. RLB0005239 executed effective December 17, 2002, (\$150,000 coverage) with Westport Oil and Gas Company, L. P., as principal.

This bond is hereby approved as of the date of this correspondence and will be retained in the Bureau of Indian Affairs' Division of Real Estate Services, 1849 C Street, NW, MS-4512-MIB, Washington, D.C. 20240. All Bureau oil and gas regional offices and the surety are being informed of this action.

In cases where you have existing individual and/or collective bonds on file with one or more of our regional offices, you may now request those offices, directly, to terminate in lieu of coverage under this Nationwide Bond.

Enclosed is a copy of the approved bond for your files. If we may be of further assistance in this matter, please advise.

Sincerely,

A handwritten signature in cursive script, appearing to read "Perry E. Brown".

Director, Office of Trust Responsibilities

ACTING

Enclosure



United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Utah State Office
P.O. Box 45155
Salt Lake City, UT 84145-0155

IN REPLY REFER TO
UT-922

February 27, 2003

Westport Oil and Gas Company, L.P.
Attn: Gary D. Williamson
1670 Broadway, Suite 2800
Denver, Colorado 80202

Re: Natural Buttes Unit
Uintah County, Utah

Gentlemen:

On February 27, 2003, we received an indenture dated December 17, 2002, whereby El Paso Production Oil & Gas Company resigned as Unit Operator and Westport Oil and Gas Company, L.P., was designated as Successor Unit Operator for the Natural Buttes Unit, Uintah County, Utah.

This indenture was executed by all required parties and the signatory parties have complied with Sections 5 and 6 of the unit agreement. The instrument is hereby approved effective February 27, 2003. In approving this designation, the Authorized Officer neither warrants nor certifies that the designated party has obtained all required approval that would entitle it to conduct operations under the Natural Buttes Unit Agreement.

Your nationwide (Colorado) oil and gas bond No. 1203 will be used to cover all operations within the Natural Buttes Unit.

It is requested that you notify all interested parties of the change in unit operator. Copies of the approved instruments are being distributed to the appropriate federal offices, with one copy returned herewith.

Sincerely,

/s/ Robert A. Henricks

Robert A. Henricks
Chief, Branch of Fluid Minerals

Enclosure

bcc: Field Manager - Vernal (w/enclosure)
SITLA
Division of Oil, Gas & Mining
Minerals Adjudication Group
File - Natural Buttes Unit (w/enclosure)
Agr. Sec. Chron
Fluid Chron

UT922:TAThompson:tt:02/27/2003

RECEIVED

FEB 28 2003

DIV. OF OIL, GAS & MINING

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

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

5. LEASE DESIGNATION AND SERIAL NUMBER:

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT or CA AGREEMENT NAME:

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL
OIL WELL GAS WELL OTHER _____

8. WELL NAME and NUMBER:
Exhibit "A"

2. NAME OF OPERATOR:
El Paso Production Oil & Gas Company

9. API NUMBER:

3. ADDRESS OF OPERATOR:
9 Greenway Plaza Houston TX 77064-0995
PHONE NUMBER: (832) 676-5933

10. FIELD AND POOL, OR WILDCAT:

4. LOCATION OF WELL

FOOTAGES AT SURFACE:

COUNTY:

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:

STATE:

UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____ <input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input checked="" type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> OTHER: _____
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

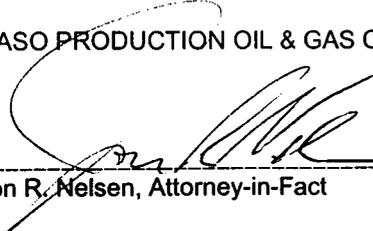
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Operator change to Westport Oil and Gas Company, L.P., 1670 Broadway, Suite 2800, Denver, CO. 80202-4800, effective December 17, 2002.

BOND # _____

State Surety Bond No. RLB0005236
Fee Bond No. RLB0005238

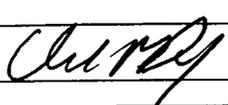
EL PASO PRODUCTION OIL & GAS COMPANY

By: 
Jon R. Nelsen, Attorney-in-Fact

RECEIVED

FEB 28 2003

DIV. OF OIL, GAS & MINING

WESTPORT OIL AND GAS COMPANY, L.P.
NAME (PLEASE PRINT) David R. Dix TITLE Agent and Attorney-in-Fact
SIGNATURE  DATE 12/17/02

(This space for State use only)

Form 3160-3
(August 1999)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or reenter an abandoned well. Use Form 3160-3 (APD) for such proposals.

FORM APPROVED
OMB No. 1004-0135
Expires November 30, 2000

5. Lease Serial No.
SEE ATTACHED EXHIBIT "A"
6. If Indian, Allottee or Tribe Name

SUBMIT IN TRIPLICATE - Other instructions on reverse side

7. If Unit or CA/Agreement, Name and/or No.
8. Well Name and No.
SEE ATTACHED EXHIBIT "A"

1. Type of Well
 Oil Well Gas Well Other

9. API Well No.
SEE ATTACHED EXHIBIT "A"

2. Name of Operator
WESTPORT OIL & GAS COMPANY, L.P.

3a. Address
P.O. BOX 1148 VERNAL, UT 84078
3b. Phone No. (include area code)
(435) 781-7023

10. Field and Pool, or Exploratory Area
11. County or Parish, State
UINTAH COUNTY, UT

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

SEE ATTACHED EXHIBIT "A"

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal
			<input type="checkbox"/> Water Shut-Off
			<input type="checkbox"/> Well Integrity
			<input checked="" type="checkbox"/> Other
			SUCCESSOR OF OPERATOR

13. Describe Proposed or Completed Operations (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed if testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator determined that the site is ready for final inspection.

WESTPORT OIL & GAS COMPANY, L.P., IS CONSIDERED TO BE THE OPERATOR ON THE ATTACHED DESCRIBED LANDS AND IS RESPONSIBLE UNDER THE TERMS AND CONDITIONS OF THE LEASE FOR THE OPERATIONS CONDUCTED ON THE LEASED LANDS OR PORTIONS THEREOF, BOND COVERAGE FOR THIS WELL IS PROVIDED BY FEDERAL NATIONWIDE BOND NO. 158626364, EFFECTIVE FEBRUARY 1, 2002, AND BIA NATIONWIDE BOND NO. RLB0005239, EFFECTIVE FEBRUARY 10, 2003.

RECEIVED
MAR 04 2003

14. I hereby certify that the foregoing is true and correct
Name (Printed/Typed) **CHERYL CAMERON**
Signature 
Title **OPERATIONS**
Date **March 4, 2003**

DIV. OF OIL, GAS & MINING

THIS SPACE FOR FEDERAL OR STATE USE
Approved by _____ Title _____ Date _____
Office _____

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Title 18 U.S.C. Section 1001, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on reverse)

6. (R649-9-2)Waste Management Plan has been received on: IN PLACE

7. **Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: BLM-12/31/2003 BIA-12/5/02

8. **Federal and Indian Units:**

The BLM or BIA has approved the successor of unit operator for wells listed on: 02/27/2003

9. **Federal and Indian Communization Agreements ("CA"):**

The BLM or BIA has approved the operator for all wells listed within a CA on: N/A

10. **Underground Injection Control ("UIC")** The Division has approved UIC Form 5, **Transfer of Authority to Inject**, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: N/A

DATA ENTRY:

1. Changes entered in the Oil and Gas Database on: 03/24/2003
2. Changes have been entered on the Monthly Operator Change Spread Sheet on: 03/24/2003
3. Bond information entered in RBDMS on: N/A
4. Fee wells attached to bond in RBDMS on: N/A

STATE WELL(S) BOND VERIFICATION:

1. State well(s) covered by Bond Number: RLB 0005236

FEDERAL WELL(S) BOND VERIFICATION:

1. Federal well(s) covered by Bond Number: 158626364

INDIAN WELL(S) BOND VERIFICATION:

1. Indian well(s) covered by Bond Number: RLB 0005239

FEE WELL(S) BOND VERIFICATION:

1. (R649-3-1) The **NEW** operator of any fee well(s) listed covered by Bond Number RLB 0005238
2. The **FORMER** operator has requested a release of liability from their bond on: N/A
The Division sent response by letter on: N/A

LEASE INTEREST OWNER NOTIFICATION:

3. (R649-2-10) The **FORMER** operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: N/A

COMMENTS:

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0135
Expires November 30, 2000

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or reenter an abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE - Other instructions on reverse side

1. Type of Well
 Oil Well Gas Well Other

2. Name of Operator
 WESTPORT OIL & GAS COMPANY, L.P.

3a. Address
 P.O. BOX 1148 VERNAL, UT 84078

3b. Phone No. (include area code)
 (435) 781-

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
 Multiple Wells - see attached

5. Lease Serial No.
 Multiple Wells - see attached

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.
 891008900A

8. Well Name and No.
 Multiple Wells - see attached

9. API Well No.
 Multiple Wells - see attached

10. Field and Pool, or Exploratory Area
 Natural Buttes Unit

11. County or Parish, State
 Uintah County, UT

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operations (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleate horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleation in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.

Westport Oil & Gas requests a variance to Onshore Order No. 4, Part IIIC.a. requiring each sales tank be equipped with a pressure-vacuum thief hatch and/or vent line valve. The variance is requested as an economic analysis shows the value of the shrunk condensate will not payout the incremental cost of purchasing and maintaining the valve resulting in a loss of value over the producing life of the well.

The volume lost to shrinkage by dropping the tank pressure from 6 ozs. to 0 psig is shown to be 0.3% of the tank volume. This was determined by lab analysis of a representative sample from the field. The sample shrunk from 98.82% of original volume to 98.52% when the pressure was dropped. The average NBU well produces approximately 6 bbls condensate per month. The resulting shrinkage would amount to 0.56 bbls per month lost volume due to shrinkage. The value of the shrunk and lost condensate does not recoup or payout the cost of installing and maintaining the valves and other devices that hold the positive tank pressure. An economic run based on the loss and costs is attached.

Westport Oil & gas requests approval of this variance in order to increase the value of the well to the operator and the mineral royalty owners.

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

Name (Printed/Typed) J.T. Conley Title Operations Manager
 Signature *J.T. Conley* Date 9-2-2003
 Initials *JTC* Date 9-2-2003

SEP 10 2003
DIV. OF OIL, GAS & MINING

THIS SPACE FOR FEDERAL OR STATE USE

Approved by _____ Title _____ Date _____
 Accepted by the Utah Division of Oil, Gas and Mining
 Federal Approval of This Action is Necessary
 Office _____ Date: 9/16/03

Title 18 U.S.C. Section 1001, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

CIGE 276	21-10-21 SWNW	UTU02278	891008900A	430473441700S1
CIGE 277	21-10-21 NWNW	UTU02278	891008900A	430473480000S1
CIGE 278	1-10-21 NESE	UTU01393C	891008	430473444500S1 ✓
CIGE 279	14-10-21 SESE	UTU01393C	891008900A	430473447900S1 ✓
CIGE 280	5-10-22 SWNW	UTU01195	891008900A	430473444300S1 ✓
CIGE 281	5-10-22 NWSW	UTU01191A	891008900A	430473444400S1 ✓
CIGE 282	7-10-22 NENE	ML23609	891008900A	430473443600S1 ✓
CIGE 283	35-9-21 SESE	ML22582	891008900A	430473479000S1 ✓
CIGE 284	1-10-21 SWNW	ML23612	891008900A	430473479200S1
CIGE 285	2-10-21 NENE	ML22652	891008900A	430473479300S1
CIGE 286	9-10-21 SENE	U01416	891008900A	430473479700S1
CIGE 287	9-10-21 NWSE	U01416	891008900A	430473479800S1
CIGE 288	21-9-21 NWSE	UTU0576	891008900A	430473486500S1 ✓
CIGE 289	7-9-21 NWSE	UTU0575B	891008900A	430473486500S1 ✓
CIGE 290	10-10-21 NESE	UTU0149079	891008900A	430473486900S1
CIGE 291	10-10-21 NWSE	UTU0149079	891008900A	430473486800S1
CIGE 292	8-10-22 SESE	UTU01196E	891008900A	430473487100S1
CIGE 293	8-10-22 SWSE	UTU01196E	891008900A	430473483800S1
CIGE 294	8-10-22 NENW	UTU468	891008900A	430473487000S1
CIGE 295	14-10-22 NENW	UTU01197A-ST	891008900A	430473482000S1
CIGE 296	14-10-22 NWNW	U01197A-ST	891008900A	430473485800S1 ✓
CIGE 297	14-10-22 SWNW	U01197A-ST	891008900A	430473485700S1 ✓
CIGE 298	9-10-22 SESW	UTU01196B	891008900A	430473485500S1
CIGE 299	14-10-22 NWSW	UTU468	891008900A	430473485900S1
NBU 004	23-9-21 NESE	UTU0149075	891008900A	430473005600S1
NBU 006	24-9-21 NWSE	UTU0149076	891008900A	430473008300S1
NBU 015	26-9-21 SESW	U99070-01	891008900A	430473020400S1
NBU 016	34-9-22 SWSE	UTU0149077	891008900A	430473020900S1
NBU 018	10-10-22 SWNE	UTU025187	891008900A	430473022100S1
NBU 020	28-9-21 NESW	U05676	891008900A	430473025000S1
NBU 022	18-10-22 SENE	ML22973	891008900A	430473025600S1
NBU 023	19-9-22 SWNE	UTU0284	891008900A	430473086800S1
NBU 024N2	12-10-22 SESE	U01197A	891008900A	430473053500S1
NBU 026	27-9-21 CSE	U01194A	891008900A	430473025200S1 ✓
NBU 027	33-9-21 NESW	U015630	891008900A	430473030400S1
NBU 027A	33-9-21 SWNE	U015630	891008900A	430473039800S1
NBU 028	13-10-21 NWSE	ML23608	891008900A	430473030500S1
NBU 029	11-10-21 NESW	UTU0149080	891008900A	430473030200S1
NBU 030	16-10-22 SWSE	ML22653	891008900A	430473030600S1
NBU 031	11-10-22 SESW	U01197A	891008900A	430473030700S1 ✓
NBU 032Y	20-9-22 NWNW	UTU02284	891008900A	430473051400S1
NBU 033Y	18-10-21 NWNW	UTU02270A	891008900A	430473050400S1
NBU 035Y	29-9-21 NWSE	UTU0581	891008900A	430473050300S1
NBU 036Y	30-9-21 SENE	UTU0581	891008900A	430473060300S1
NBU 037XP	3-10-22 SESE	UTU01191A	891008900A	430473072400S1
NBU 038N2	13-10-22 NWSW	U06512	891008900A	430473053600S1
NBU 039	29-10-22 SWSW	UTU0132568A	891008900A	430473086100S1
NBU 041J	31-9-22 NWSW	ML23607	891008900A	430473122400S1 ✓
NBU 042	30-9-22 SENW	U463	891008900A	430473173500S1
NBU 043	26-10-20 NWSE	UTU4476	891008900A	430473084800S1
NBU 045N2	12-9-20 NWSW	UTU0144868B	891008900A	430473087500S1
NBU 046	4-10-22 NWSE	UTU01191	891008900A	430473051300S1
NBU 047N2	30-10-22 SESW	UTU0132568A	891008900A	430473053400S1
NBU 048N3	18-9-22 SWNW	UTU0359	891008900A	430473053800S1
NBU 049	30-9-22 NWNE	U463	891008900A	430473124900S1
NBU 050N2	31-9-22 NWNW	ML23607	891008900A	430473083500S1 ✓
NBU 051J	32-9-22 NWSE	ML22649	891008900A	430473123400S1 ✓
NBU 052J	30-9-22 NWSW	U463	891008900A	430473085000S1
NBU 053	9-9-21 SENW	UTU0149767	891008900A	430473083700S1
NBU 054	32-9-22 NESW	ML22649	891008900A	430473089000S1 ✓
NBU 056N2	28-9-21 NESE	U05676	891008900A	430473088400S1
NBU 057N3	27-9-21 NENW	U01194	891008900A	430473086700S1 ✓

Westport Oil & Gas, L.P.

Project Economics Worksheet

Instructions: Fill in blue boxes with before and after project data. The evaluation results are shown below and graphed automatically at the bottom of the page. This sheet is protected to prevent accidental alteration of the formulas. See JTC for changes. OPX entered as annual costs and/or as unit OPX costs for \$/BF and \$/MCF

Project Name: **Condensate Shrinkage Economics**

Is this job a well pull or production rig job ??? **N** (Y or N)

	BEFORE \$/Year	AFTER \$/Year	DIFFERENCE \$/Year
Gross Oil Revenue	\$1,088	\$1,099	\$11
Gross Gas Revenue	\$0	\$0	\$0
NGL Revenue	\$0	\$0	\$0
PULING UNIT SERVICE			\$0
WIRELINE SERVICE			\$0
SUBSURF EQUIP REPAIRS			\$0
COMPANY LABOR			\$0
CONTRACT LABOR	\$0	\$200	\$200
CONTR SERVICE			\$0
LEASE FUEL GAS	\$0	\$0	\$0
UTILITIES - ELECTRICITY	\$0	\$0	\$0
CHEMICAL TREATING			\$0
MATERIAL & SUPPLY	\$0	\$150	\$150
WATER & HAULING			\$0
ADMINISTRATIVE COSTS			\$0
GAS PLANT PROCESSING			\$0
Totals	\$0	\$350	\$350

Increased OPX Per Year

Investment Breakdown:

	Cap/Exp Code	Cost, \$
Capital \$	820/830/840	\$1,200
Expense \$	830/860	\$0
Total \$		\$1,200

Oil Price	\$ 23.00	\$/BO
Gas Price	\$ 3.10	\$/MCF
Electric Cost	\$ -	\$/ HP / day
OPX/BF	\$ 2.00	\$/BF
OPX/MCF	\$ 0.62	\$/MCF

Production & OPX Detail:

	Before	After	Difference
Oil Production	0.192 BOPD	0.194 BOPD	0.002 BOPD
Gas Production	0 MCFPD	0 MCFPD	0 MCFPD
Wtr Production	0 BWPD	0 BWPD	0 BWPD
Horse Power	0 HP	0 HP	0 HP
Fuel Gas Burned	0 MCFPD	0 MCFPD	0 MCFPD

Project Life:

Life = **20.0** Years
(Life no longer than 20 years)

Internal Rate of Return:

After Tax IROR = **#DIV/0!**

AT Cum Cashflow:

Operating Cashflow = **(\$2,917)** (Discounted @ 10%)

Payout Calculation:

$$\text{Payout} = \frac{\text{Total Investment}}{\text{Sum(OPX + Incremental Revenue)}} = 1$$

Payout occurs when total AT cashflow equals investment
See graph below, note years when cashflow reaches zero

Payout = **NEVER** Years or **#VALUE!** Days

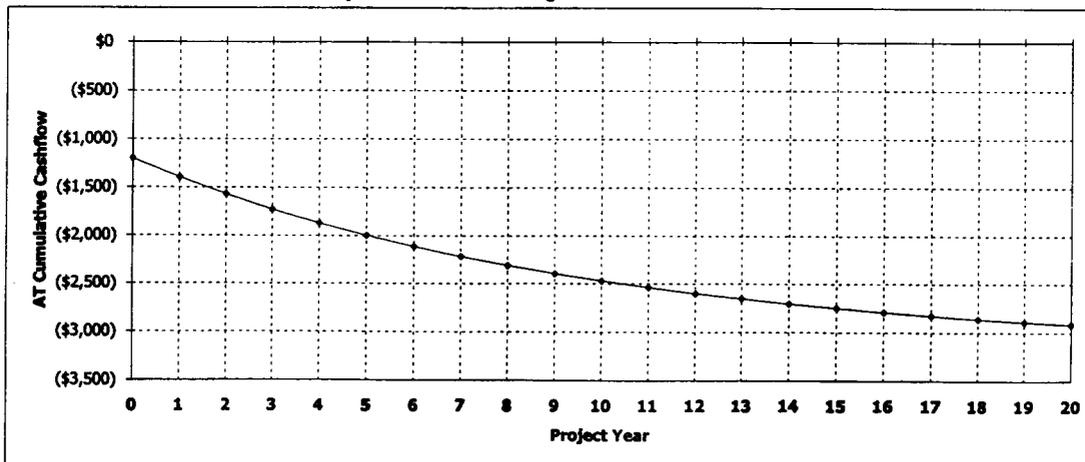
Gross Reserves:

Oil Reserves = **6 BO**
Gas Reserves = **0 MCF**
Gas Equiv Reserves = **38 MCFE**

Notes/Assumptions:

An average NBU well produces 0.192 Bcpd with no tank pressure. The production is increased to 0.196 Bcpd if 4 ozs of pressure are placed on the tank. The increased production does not payout the valve cost or the estimated annual maintenance costs.

Project: Condensate Shrinkage Economics



Westport Oil and Gas, Inc.

NBU/Ouray Field

RFL 2003-022

COMPARISON OF FLASH BACK PRESSURES

Calculated by Characterized Equation-of-State

Flash Conditions		Gas/Oil Ratio (scf/STbbl) (A)	Specific Gravity of Flashed Gas (Air=1.000) (A)	Separator Volume Factor (B)	Separator Volume Percent (C)
psig	°F				

Calculated at Laboratory Flash Conditions

80	70			1.019	
0	122	30.4	0.993	1.033	101.37%
0	60	0.0	—	1.000	98.14%

Calculated Flash with Backpressure using Tuned EOS

80	70			1.015	
6.0 oz	65	24.6	0.777	1.003	98.82%
0	60	0.0	—	1.000	98.52%
80	70			1.015	
4.0 oz	65	24.7	0.778	1.003	98.82%
0	60	0.0	—	1.000	98.52%
80	70			1.015	
2.0 oz	65	24.7	0.779	1.003	98.82%
0	60	0.0	—	1.000	98.52%
80	70			1.015	
0	65	24.8	0.780	1.003	98.82%
0	60	0.0	—	1.000	98.52%

(A) Cubic Feet of gas at 14.696 psia and 60 °F per Barrel of Stock Tank Oil at 60 °F.

(B) Barrels of oil at indicated pressure and temperature per Barrel of Stock Tank Oil at 60 °F.

(C) Oil volume at indicated pressure and temperature as a percentage of original saturated oil volume.

Note: Bubblepoint of sample in original sample container was 80 psig at 70° F with 1 cc water

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB NO. 1004-0135
Expires: November 30, 2000

SUNDRY NOTICES AND REPORTS ON WELLS
Do not use this form for proposals to drill or to re-enter an abandoned well. Use form 3160-3 (APD) for such proposals.

5. Lease Serial No.
UTU-01191

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.
NATURAL BUTTES

SUBMIT IN TRIPLICATE - Other instructions on reverse side.

1. Type of Well
 Oil Well Gas Well Other

8. Well Name and No.
NBU 46 N

2. Name of Operator
WESTPORT OIL & GAS COMPANY L.P
Contact: SHEILA UPCHEGO
E-Mail: supchego@westportresourcescorp.com

9. API Well No.
43-047-30513

3a. Address
1368 SOUTH 1200 EAST
VERNAL, UT 84078

3b. Phone No. (include area code)
Ph: 435.781.7024
Fx: 435.781.7094

10. Field and Pool, or Exploratory
NATURAL BUTTES

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
Sec 4 T10S R22E NWSE 1354FSL 1947FEL

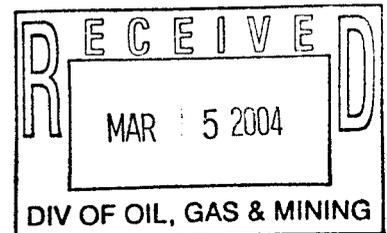
11. County or Parish, and State
UINTAH COUNTY, UT

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input checked="" type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplate horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

3-5-04: PMP 4 DRUMS OF 15% HCL ACID DWN TBG.



14. I hereby certify that the foregoing is true and correct.
Electronic Submission #28805 verified by the BLM Well Information System For WESTPORT OIL & GAS COMPANY L.P, sent to the Vernal

Name (Printed/Typed) SHEILA UPCHEGO Title REGULATORY ANALYST

Signature *Sheila Upchego* Date 03/11/2004

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By _____ Title _____ Date _____

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

**** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ****

Division of Oil, Gas and Mining
OPERATOR CHANGE WORKSHEET

ROUTING

- | |
|--------|
| 1. DJJ |
| 2. CDW |

X Change of Operator (Well Sold)

Operator Name Change/Merger

The operator of the well(s) listed below has changed, effective:

1/6/2006

FROM: (Old Operator):
 N2115-Westport Oil & Gas Co., LP
 1368 South 1200 East
 Vernal, UT 84078
 Phone: 1-(435) 781-7024

TO: (New Operator):
 N2995-Kerr-McGee Oil & Gas Onshore, LP
 1368 South 1200 East
 Vernal, UT 84078
 Phone: 1-(435) 781-7024

CA No.

Unit:

NATURAL BUTTES UNIT

WELL NAME	SEC	TWN	RNG	API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS
-----------	-----	-----	-----	--------	-----------	------------	-----------	-------------

OPERATOR CHANGES DOCUMENTATION

Enter date after each listed item is completed

- (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 5/10/2006
- (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 5/10/2006
- The new company was checked on the **Department of Commerce, Division of Corporations Database** on: 3/7/2006
- a. Is the new operator registered in the State of Utah: YES Business Number: 1355743-0181
- b. If **NO**, the operator was contacted on: _____
- a. (R649-9-2) Waste Management Plan has been received on: IN PLACE
- b. Inspections of LA PA state/fee well sites complete on: n/a 3 LA wells & all PA wells transferred
- c. Reports current for Production/Disposition & Sundries on: ok
- Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: BLM 3/27/2006 BIA not yet

7. Federal and Indian Units:

The BLM or BIA has approved the successor of unit operator for wells listed on: 3/27/2006

8. Federal and Indian Communization Agreements ("CA"):

The BLM or BIA has approved the operator for all wells listed within a CA on: n/a

9. Underground Injection Control ("UIC") The Division has approved UIC Form 5, **Transfer of Authority to Inject**, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: _____

DATA ENTRY:

- Changes entered in the **Oil and Gas Database** on: 5/15/2006
- Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 5/15/2006
- Bond information entered in RBDMS on: 5/15/2006
- Fee/State wells attached to bond in RBDMS on: 5/16/2006
- Injection Projects to new operator in RBDMS on: _____
- Receipt of Acceptance of Drilling Procedures for APD/New on: n/a Name Change Only

BOND VERIFICATION:

- Federal well(s) covered by Bond Number: CO1203
- Indian well(s) covered by Bond Number: RLB0005239
- (R649-3-1) The **NEW** operator of any fee well(s) listed covered by Bond Number RLB0005236
- a. The **FORMER** operator has requested a release of liability from their bond on: n/a rider added KMG
 The Division sent response by letter on: _____

LEASE INTEREST OWNER NOTIFICATION:

- (R649-2-10) The **FORMER** operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: 5/16/2006

COMMENTS:

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0135
Expires November 30, 2000

SUNDRY NOTICES AND REPORTS ON WELLS
Do not use this form for proposals to drill or reenter an abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE - Other instructions on reverse side

1. Type of Well
 Oil Well Gas Well Other

2. Name of Operator
KERR-McGEE OIL & GAS ONSHORE LP

3a. Address
1368 SOUTH 1200 EAST VERNAL, UT 84078

3b. Phone No. (include area code)
(435) 781-7024

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
SEE ATTACHED

5. Lease Serial No.
MULTIPLE LEASES

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.

8. Well Name and No.
MUTIPLE WELLS

9. API Well No.

10. Field and Pool, or Exploratory Area

11. County or Parish, State
UINTAH COUNTY, UTAH

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal
			<input type="checkbox"/> Water Shut-Off
			<input type="checkbox"/> Well Integrity
			<input checked="" type="checkbox"/> Other CHANGE OF OPERATOR

13. Describe Proposed or Completed Operations (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.

PLEASE BE ADVISED THAT KERR-McGEE OIL & GAS ONSHORE LP, IS CONSIDERED TO BE THE OPERATOR OF THE ATTACHED WELL LOCATIONS. EFFECTIVE JANUARY 6, 2006. KERR-McGEE OIL & GAS ONSHORE LP, IS RESPONSIBLE UNDER TERMS AND CONDITIONS OF THE LEASE(S) FOR THE OPERATIONS CONDUCTED UPON LEASE LANDS. BOND COVERAGE IS PROVIDED BY STATE OF UTAH NATIONWIDE BOND NO. RLB0005237.

RECEIVED
MAY 10 2006

BLM BOND = C01203
BIA BOND = RLB0005239

APPROVED 5/16/06

Earlene Russell
Division of Oil, Gas and Mining
Earlene Russell, Engineering Technician

DIV. OF OIL, GAS & MINING

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

Name (Printed/Typed)
RANDY BAYNE

Signature
Randy Bayne

Title
DRILLING MANAGER

Date
May 9, 2006

THIS SPACE FOR FEDERAL OR STATE USE

Approved by	Title	Date
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.	Office	

Title 18 U.S.C. Section 1001, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0135
Expires November 30, 2000

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or reenter an abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE - Other instructions on reverse side

1. Type of Well
 Oil Well Gas Well Other

2. Name of Operator
WESTPORT OIL & GAS COMPANY L.P.

3a. Address
1368 SOUTH 1200 EAST VERNAL, UT 84078

3b. Phone No. (include area code)
(435) 781-7024

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
SEE ATTACHED

5. Lease Serial No.
MULTIPLE LEASES

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.

8. Well Name and No.
MUTIPLE WELLS

9. API Well No.

10. Field and Pool, or Exploratory Area

11. County or Parish, State
UINTAH COUNTY, UTAH

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
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<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other CHANGE OF OPERATOR
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operations (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.

EFFECTIVE JANUARY 6, 2006, WESTPORT OIL & GAS COMPANY L.P., HAS RELINQUISHED THE OPERATORSHIP OF THE ATTACHED WELL LOCATIONS TO KERR-McGEE OIL & GAS ONSHORE LP.

APPROVED 5/16/06
Earlene Russell
 Division of Oil, Gas and Mining
 Earlene Russell, Engineering Technician

RECEIVED
 MAY 10 2006

DIV OF OIL, GAS & MINING

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

Name (Printed/Typed) BRAD LANEY	Title ENGINEERING SPECIALIST
Signature	Date May 9, 2006

THIS SPACE FOR FEDERAL OR STATE USE

Approved by <i>Brad Laney</i>	Title	Date 5-9-06
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.		
Office		

Title 18 U.S.C. Section 1001, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.



United States Department of the Interior

BUREAU OF LAND MANAGEMENT
Colorado State Office
2850 Youngfield Street
Lakewood, Colorado 80215-7076

IN REPLY REFER TO:

CO922 (MM)
3106
COC017387 et. al.

March 23, 2006

NOTICE

Kerr-McGee Oil & Gas Onshore L.P. :
1999 Broadway, Suite 3700 : Oil & Gas
Denver, CO 80202 :

Merger/Name Change - Recognized

On February 28, 2006 this office received acceptable evidence of the following mergers and name conversion:

Kerr-McGee Oil & Gas Onshore L.P., a Delaware Limited Partnership, and Kerr-McGee Oil & Gas Onshore LLC, a Delaware Limited Partnership merger with and into Westport Oil and Gas Company L.P., a Delaware Limited Partnership, and subsequent Westport Oil & Gas Company L.P. name conversion to Kerr-McGee Oil & Gas Onshore L.P.

For our purposes the merger and name conversion was effective January 4, 2006, the date the Secretary of State of Delaware authenticated the mergers and name conversion.

Kerr-McGee Oil & Gas Onshore L.P. provided a list of oil and gas leases held by the merging parties with the request that the Bureau of Land Management change all their lease records from the named entities to the new entity, Kerr-McGee Oil & Gas Onshore L.P. In response to this request each state is asked to retrieve their own list of leases in the names of these entities from the Bureau of Land Management's (BLM) automated LR2000 data base.

The oil and gas lease files identified on the list provided by Kerr-McGee Oil & Gas Onshore L.P. have been updated as to the merger and name conversion. We have not abstracted the lease files to determine if the entities affected by the acceptance of these documents holds an interest in the lease, nor have we attempt to identify leases where the entity is the operator on the ground that maintains vested record title or operating rights interests. If additional documentation, for change of operator, is required you will be contacted directly by the appropriate Field Office. The Mineral Management Services (MMS) and other applicable BLM offices were notified of the merger with a copy of this notice

Please contact this office if you identify additional leases where the merging party maintains an interest, under our jurisdiction, and we will document the case files with a copy of this notice. If the leases are under the jurisdiction of another State Office that information will be forwarded to them for their action.

Three riders accompanied the merger/name conversion documents which will add Kerr-McGee Oil and Gas Onshore LLC as a principal to the 3 Kerr-McGee bonds maintained by the Wyoming State Office. These riders will be forward to them for their acceptance.

The Nationwide Oil & Gas Continental Casualty Company Bond #158626364 (BLM Bond #CO1203), maintained by the Colorado State Office, will remain in full force and effect until an assumption rider is accepted by the Wyoming State Office that conditions their Nationwide Safeco bond to accept all outstanding liability on the oil and gas leases attached to the Colorado bond.

If you have questions about this action you may call me at 303.239.3768.

/s/Martha L. Maxwell
Martha L. Maxwell
Land Law Examiner
Fluid Minerals Adjudication

Attachment:

List of OG Leases to each of the following offices:

MMS MRM, MS 357B-1

WY, UT, NM/OK/TX, MT/ND, WY State Offices

CO Field Offices

Wyoming State Office

Rider #1 to Bond WY2357

Rider #2 to Bond WY1865

Rider #3 to Bond WY1127



United States Department of the Interior



BUREAU OF LAND MANAGEMENT
Utah State Office
P.O. Box 45155
Salt Lake City, UT 84145-0155
<http://www.blm.gov>

IN REPLY REFER TO:
3106
(UT-922)

March 27, 2006

Memorandum

To: Vernal Field Office

From: Chief, Branch of Fluid Minerals

Subject: Merger Approval

Attached is an approved copy of the merger recognized by the Bureau of Land Management, Colorado State Office. We have updated our records to reflect the merger from Westport Oil and Gas Company L.P. into Kerr-McGee Onshore Oil and Gas Company. The merger was approved effective January 4, 2006.

Chief, Branch of
Fluid Minerals

Enclosure

Approval letter from BLM COSO (2 pp)

cc: MMS, Reference Data Branch, James Sykes, PO Box 25165, Denver CO 80225
State of Utah, DOGM, Attn: Earlene Russell, PO Box 145801, SLC UT 84114
Teresa Thompson
Joe Incardine
Connie Seare
Dave Mascarenas
Susan Bauman

RECEIVED

MAR 28 2006

U.S. DEPT. OF THE INTERIOR

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9 5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-01191
---------------------------------------------------------------------------------------------	----------------------------------------------------------------------------------

SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	6. IF INDIAN, ALLOTTEE OR TRIBE NAME: 7. UNIT or CA AGREEMENT NAME: NATURAL BUTTES
----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	------------------------------------------------------------------------------------------------------------

1. TYPE OF WELL Gas Well	8. WELL NAME and NUMBER: NBU 46N
------------------------------------	--------------------------------------------

2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.	9. API NUMBER: 43047305130000
-------------------------------------------------------------------	-----------------------------------------

3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779	PHONE NUMBER: 720 929-6007 Ext	9. FIELD and POOL or WILDCAT: NATURAL BUTTES
-------------------------------------------------------------------------------------------------------	------------------------------------------	--------------------------------------------------------

4. LOCATION OF WELL FOOTAGES AT SURFACE: 1354 FSL 1947 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWSE Section: 04 Township: 10.0S Range: 22.0E Meridian: S	COUNTY: Uintah STATE: Utah
-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	-------------------------------------------------------

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 9/4/2010 <input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: <input type="checkbox"/> SPUD REPORT Date of Spud: <input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input checked="" type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input style="width: 50px;" type="text"/>

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

The operator requests to plug and abandon the subject well location. Attached is the the plug and abandonment procedure. Thank you.

**Accepted by the
Utah Division of
Oil, Gas and Mining**

Date: September 09, 2010

By: *Danielle Piernot*

NAME (PLEASE PRINT) Danielle Piernot	PHONE NUMBER 720 929-6156	TITLE Regulatory Analyst
SIGNATURE N/A	DATE 9/2/2010	

NBU 46N
 1354' FSL & 1947' FEL
 NWSE SEC.4, T10S, R22E
 Uintah County, UT

KBE:	4843'	API NUMBER:	43-047-30513
GLE:	4829'	LEASE NUMBER:	U-01191
TD:	5800'	WINS #:	72228
PBTD:	5733'	WI:	100.0000%
		NRI:	81.494445%

CASING: 12 1/4" hole
 9 5/8" 36# K-55 @ 207' (GL)
 Cement w/ 125 sx Class G, Circ 7 bbl cmt to surf

7.875" hole
 4 1/2" 11.6# N-80 @ 5797'
 Cement w/ 1745 sks, cement circulated to surf (75 bbls) and plug bumped
 TOC @ surface by circulation (Note: Run CBL prior to P&A operations, there is no CBL on file at the agencies or in the office)

TUBING: 2 3/8" 4.7# J-55 tubing landed at 5678'

Tubular/Borehole	Drift inches	Collapse psi	Burst psi	Capacities		
				Gal./ft.	Cuft/ft.	Bbl./ft.
2.375" 4.7# J-55 tbg.	1.901	8100	7700	0.1624	0.0217	0.0039
4.5" 11.6# N-80	3.875	6350	7780	0.6528	0.0872	0.0155
9.625" 36# K-55	8.921	2020	3520	3.247	0.434	0.0773
Annular Capacities						
2.375" tbg. X 4 1/2" 11.6# csg				0.4227	0.0565	0.0101
4.5" csg X 9 5/8" 36# csg				2.4192	0.3231	0.0576
4.5" csg X 7.875 borehole				1.704	0.2276	0.0406
9 5/8" csg X 12 1/4" borehole				2.3436	0.3132	0.0558

GEOLOGIC INFORMATION:

Formation	Depth to top, ft.
Uinta	Surface
Green River	1095'
Bird's Nest	1362'
Mahogany	1964'
Base of Parachute	2754'
Wasatch	4303'

Tech. Pub. #92 Base of USDW's

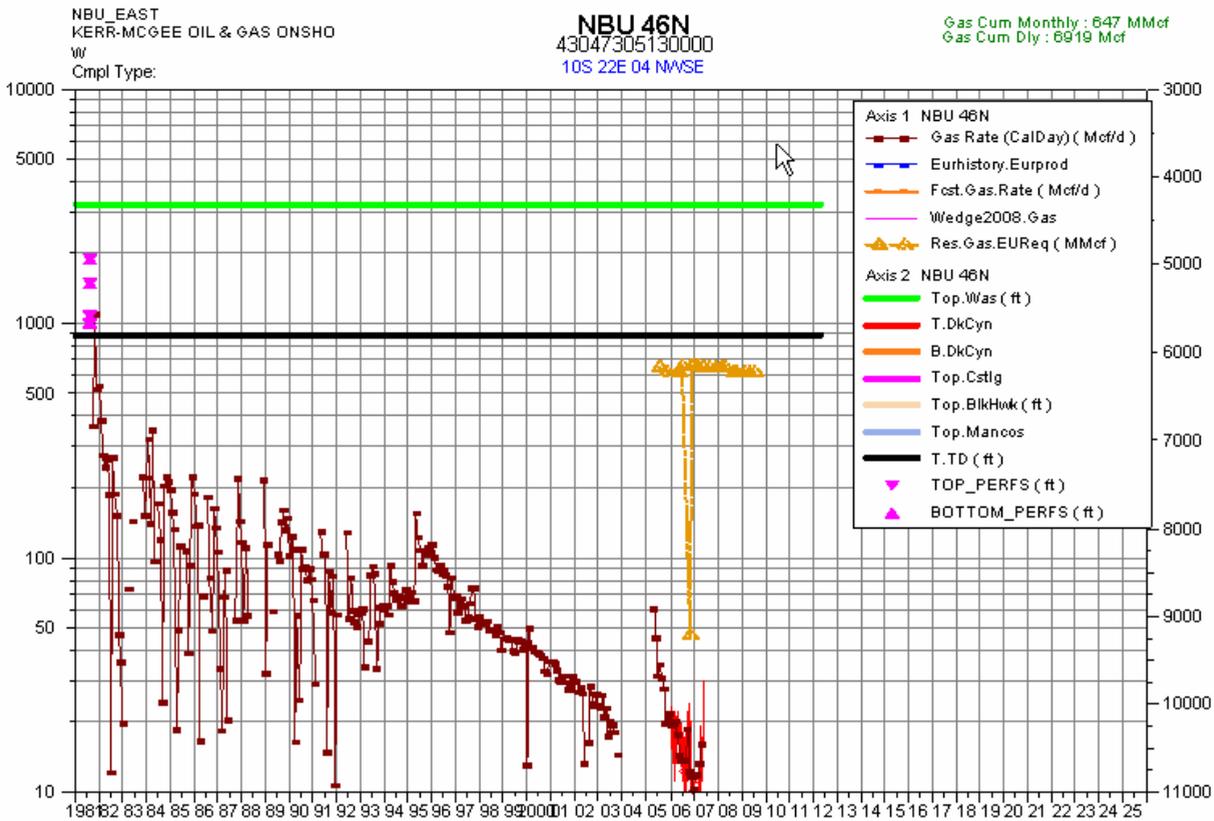
USDW Elevation	900' MSL
USDW Depth	4054' KBE

PERFORATIONS:

Formation	Date	Top	Spf	Status
Wasatch	Aug-81	4942	2	Open
Wasatch	Aug-81	5205	1	Open
Wasatch	Aug-81	5209	1	Open
Wasatch	Aug-81	5212	1	Open
Wasatch	Aug-81	5216	1	Open
Wasatch	Aug-81	5583	2	Open
Wasatch	Aug-81	5663	1	Open
Wasatch	Aug-81	5668	1	Open
Wasatch	Aug-81	5672	1	Open
Wasatch	Aug-81	5680	1	Open

WELL HISTORY:

- Spud Well 5/9/81, TD'd 6/24/81
- 7/30/81 - Perforate gross Wasatch interval f/ 4942' - 5680'. Break down perfs w/ 2400 gals 5% Kcl and 24 ball sealers. Flow well to pit. 8/8/81 - Frac Wasatch interval w/ 55,000 gals gel water & 110,000# 20/40 sand
- 10/16/81 - 1st sales,
- 4/25/95 - Reperforate entire Was interval f/ 4942' - 5680', install plunger lift equipment and Return to Sales.



NBU 46N PLUG & ABANDONMENT PROCEDURE

GENERAL

- H2S MAY BE PRESENT. CHECK FOR H2S AND TAKE APPROPRIATE PRECAUTIONS.
- CEMENT QUANTITIES BELOW ASSUME NEAT CLASS G, YIELD 1.145 CUFT./SX. IF A DIFFERENT PRODUCT IS USED, WELLSITE PERSONNEL ARE RESPONSIBLE FOR CORRECTING QUANTITIES TO YIELD THE STATED SLURRY VOLUME. WHEN SQUEEZING, INCLUDE 10% EXCESS PER 1000' OF DEPTH.
- TREATED FRESH WATER WILL BE PLACED BETWEEN ALL PLUGS INSTEAD OF BRINE.
- ALL DISPLACEMENT FLUID SHALL CONTAIN CORROSION INHIBITOR AND BIOCIDES. PREMIX 5 GALLONS PER 100 BBLs FLUID.
- NOTIFY BLM 24 HOURS BEFORE MOVING ON LOCATION.

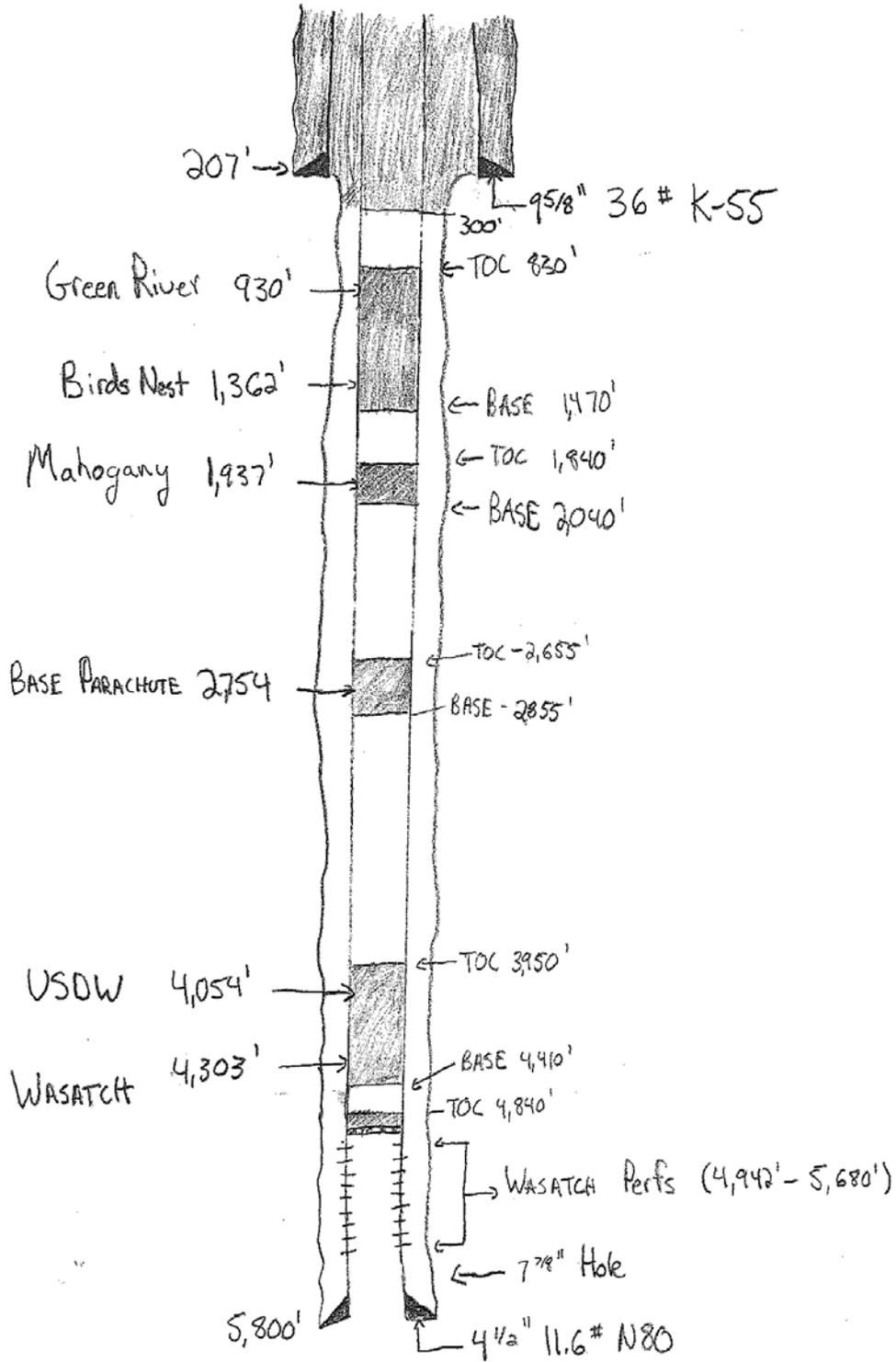
PROCEDURE

Note: An estimated 140 - 460 sx Class "G" cement needed for procedure depending on CBL

Note: No Gyro ran on location

1. MIRU. KILL WELL AS NEEDED. ND WH, NU AND TEST BOPE.
2. PULL TBG & LD SAME. RU WIRELINE AND MAKE A GAUGE RING RUN TO CHECK FOR FILL & PREP FOR GYRO SURVEY & CEMENT BOND LOG.
3. RUN GYRO SURVEY.
4. RUN CEMENT BOND LOG. (NOTE: IF CEMENT COVERAGE IN THE ANNULUS IS DETERMINED TO BE INADEQUATE OVER ANY OF THE GIVEN ZONES, THEN RIH AND PERF 4-SPF 100' BENEATH FORMATION TOP AND SET A CICR 100' ABOVE FORMATION TOP AND SQUEEZE CEMENT. SPOT 50' CEMENT ON TOP OF CICR. THIS IS CALCULATED AS MAX VOLUME.)
5. **PLUG #1, ISOLATE WASATCH PERFORATIONS (4942' - 5680')**: RIH W/ 4 1/2" CIBP. SET @ ~4890'. RELEASE CBP, PUH 10', BRK CIRC W/ FRESH WATER. DISPLACE A MINIMUM OF 1 BBL CMT (~4 SX) ON TOP OF PLUG. PUH ABOVE TOC (~4840'). REVERSE CIRCULATE W/ TREATED FRESH WATER.
6. **PLUG #2, PROTECT WASATCH TOP (4303') & BASE OF USDW (~4054')**: PUH TO ~4410'. BRK CIRC W/ FRESH WATER. DISPLACE 7.13 BBL. (~35 SX) AND BALANCE PLUG W/ TOC @ ~3950' (460' COVERAGE). PUH ABOVE TOC. REVERSE CIRCULATE W/ TREATED FRESH WATER.
7. **PLUG #3, PROTECT BASE OF PARACHUTE MEMBER (2754')**: PUH TO ~2855'. BRK CIRC W/ FRESH WATER. DISPLACE 3.1 BBL. (~16 SX) AND BALANCE PLUG W/ TOC @ ~2655' (200' COVERAGE). PUH ABOVE TOC. REVERSE CIRCULATE W/ TREATED FRESH WATER. (MAX VOLUME: 13 BBL - (59 SX) CSG+ANNULUS)
8. **PLUG #4, PROTECT TOP OF MAHOGANY (1937')**: PUH TO ~2040'. BRK CIRC W/ FRESH WATER. DISPLACE 3.1 BBL. (~16 SX) AND BALANCE PLUG W/ TOC @ ~1840' (200' COVERAGE). PUH ABOVE TOC. REVERSE CIRCULATE W/ TREATED FRESH WATER. (MAX VOLUME: 13 BBL - (59 SX) CSG+ANNULUS)
9. **PLUG #5, PROTECT TOP OF GREEN RIVER (1095') & TOP OF BIRD'S NEST (1362')**: PUH TO ~1470'. BRK CIRC W/ FRESH WATER. DISPLACE 7.5 BBL. (~37 SX) AND BALANCE PLUG W/ TOC @ ~990' (480' COVERAGE). PUH ABOVE TOC. REVERSE CIRCULATE W/ TREATED FRESH WATER. (MAX VOLUME: 31 BBL - (152 SX) CSG+ANNULUS+15%EXCESS)
10. **PLUG #6, SURFACE SHOE (~221' KB) & SURFACE HOLE**: IF CBL CONFIRMS NO CEMENT, POOH W/ TBG. RIH W/ WIRELINE, PERFORATE @ 300' W/ 4 SPF. POOH W/ WIRELINE. RU CEMENT SERVICE TO PROD CSG. PUMP MAX VOLUME, 21 BBL (~101SX) OR SUFFICIENT VOLUME TO FILL ANNULUS AND CASING TO SURFACE. OR 5 BBLs (~23 SX) IF ANNULUS ALREADY CEMENTED.
11. CUT OFF WELLHEAD AND INSTALL MARKER PER BLM GUIDELINES.
12. RDMO. TURN OVER TO OPERATIONS FOR SURFACE REHAB.

NBU 46 P&A



UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB NO. 1004-0135
Expires: July 31, 2010

SUNDRY NOTICES AND REPORTS ON WELLS
Do not use this form for proposals to drill or to re-enter an abandoned well. Use form 3160-3 (APD) for such proposals.

5. Lease Serial No.
UTU01191

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.

SUBMIT IN TRIPLICATE - Other instructions on reverse side.

8. Well Name and No.
NBU 46N

9. API Well No.
43-047-30513

10. Field and Pool, or Exploratory
NATURAL BUTTES

11. County or Parish, and State
UINTAH COUNTY, UT

1. Type of Well
 Oil Well Gas Well Other

2. Name of Operator
KERR-MCGEE OIL&GAS ONSHORE, L.P.
Contact: ANDY LYTLE
E-Mail: andrew.lytle@anadarko.com

3a. Address
P.O. BOX 173779
DENVER, CO 80217

3b. Phone No. (include area code)
Ph: 720-929-6100

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
Sec 4 T10S R22E NWSE 1354FSL 1947FEL

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input checked="" type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

THE OPERATOR SUBMITTED A NOTICE OF INTENT SUNDRY REQUESTING BLM APPROVAL TO PLUG AND ABANDON THE SUBJECT WELL LOCATION ON 9/2/2010. THE PLUG AND ABANDONMENT NOTICE OF INTENT SUNDRY IS CURRENTLY PENDING AT THE BLM.

THE OPERATOR REQUESTS THAT THE FINAL RECLAMATION LIABILITIES BE TRANSFERRED FROM THE NBU 46N TO THE PRODUCING WELL ON THIS PAD (NBU 1022-4J-4T). THAT WAS DRILLED IN 2007. THANK YOU.

Accepted by the
Utah Division of
Oil, Gas and Mining
For Record Only

COPY SENT TO OPERATOR

Date: 12.2.2010

Initials: KS

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

**Electronic Submission #98005 verified by the BLM Well Information System
For KERR-MCGEE OIL&GAS ONSHORE, LP, sent to the Vernal**

Name (Printed/Typed) ANDY LYTLE	Title REGULATORY ANALYST
Signature (Electronic Submission)	Date 11/23/2010

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By _____	Title _____	Date _____
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.		Office _____

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

**** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED**

RECEIVED

NOV 29 2010

DIV. OF OIL, GAS & MINING

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS		5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-01191
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
		7. UNIT or CA AGREEMENT NAME: NATURAL BUTTES
1. TYPE OF WELL Gas Well	8. WELL NAME and NUMBER: NBU 46N	
2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.	9. API NUMBER: 43047305130000	
3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779	PHONE NUMBER: 720 929-6515 Ext	9. FIELD and POOL or WILDCAT: NATURAL BUTTES
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1354 FSL 1947 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWSE Section: 04 Township: 10.0S Range: 22.0E Meridian: S	COUNTY: UINTAH	
		STATE: UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
TYPE OF SUBMISSION	TYPE OF ACTION	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input checked="" type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 9/7/2011		<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input style="width: 100px;" type="text"/>
<input type="checkbox"/> SPUD REPORT Date of Spud:		
<input type="checkbox"/> DRILLING REPORT Report Date:		
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.		
<p>The operator has concluded the plug and abandonment operations on the subject well on 09/07/2011. This well is plugged and abandoned. Please see the attached chronological well history.</p>		
<p>Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY</p>		
NAME (PLEASE PRINT) Andy Lytle	PHONE NUMBER 720 929-6100	TITLE Regulatory Analyst
SIGNATURE N/A	DATE 9/16/2011	

US ROCKIES REGION
Operation Summary Report

Well: NBU 46N

Spud Date: 5/5/1981

Project: UTAH-UINTAH

Site: NBU 46N

Rig Name No: Rig #18/18

Event: ABANDONMENT

Start Date: 9/1/2011

End Date: 9/7/2011

Active Datum: RKB @0.00ft (above Mean Sea Level)

UWI: NBU 46N

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
9/1/2011	7:00 - 17:00	10.00	ABAND					PREJOB SAFETY MEETING, MIRU, NDWH, ATTEMPT TO PULL HANGER OUT OF WELLHEAD, HANGER, STUCK, WORK HANGER WHILE WAITING ON SURFACE JARS, RU SURFACE JARS, JAR HANGER FREE, RD SURFACE JARS, NUBOP, PREPARE TO PULL TUBING IN MORNING, SDFN
9/2/2011	7:00 - 17:00	10.00	ABAND					PREJOB SAFETY MEETING, RU SCAN TECH, TOH AND SCAN TUBING, PU BIT, TALLY AND TIH TO 4860', TOH, TIH WITH CIBP AND SET AT 4860', LOAD WITH 50BLS WATER, PRESSURE TEST CASING HELD, TOH, SDFN
9/6/2011	7:00 - 17:00	10.00	ABAND					PREJOB SAFETY MEETING, RU WIRE LINE, RUN CBL, RD WIRE LINE. TIH TO 4850', LOAD HOLE WITH 50BLS WATER WITH CORROSION INHIBITOR, MIX AND PUMP 5SXS CLASS G CEMENT. TOH TO 4415', MIX AND PUMP 35SXS CLASS G CEMENT. TOH TO 2855', MIX AND PUMP 20SXS CLASS G CEMENT. TOH TO 2043', MIX AND PUMP 20SXS CLASS G CEMENT. TOH TO 1486', MIX AND PUMP 40SXS CLASS G CEMENT, TOH, SDFN.
9/7/2011	7:00 - 17:00	10.00	ABAND					Witnessed by: Cliff Johnson, BLM PREJOB SAFETY MEETING, RU WIRE LINE, SHOOT PERFS AT 212' (TOC AT 220' PER CBL), BREAK CIRCULATION TO SURFACE, RD WIRE LINE, LAY DOWN EXTRA TUBING IN DERRICK, NDBOP, NUWH, RD, MIX AND PUMP 80SXS CLASS G CEMENT DOWN 4.5" CASING TO SURFACE, DIG OUT WELLHEAD, CUT OFF WELLHEAD, TOP OFF WITH 10SXS CLASS G CEMENT, WELD ON INFO PLATE, BACKFILL, CLEAN UP LOCATION, START MOVING EQUIPMENT OUT. Witness was Cliff Johnson BLM 225 total sxs cement 4629" yellow band 2 3/8" tubing recovered 1038' red band 2 3/8" tubing recovered Lat: 39.97448 Long:-109.44238