

UTAH OIL AND GAS CONSERVATION COMMISSION

*m*

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

DATE FILED **4-27-83**

LAND: FEE & PATENTED \_\_\_\_\_ STATE LEASE NO \_\_\_\_\_ PUBLIC LEASE NO **U-0576** INDIAN \_\_\_\_\_

DRILLING APPROVED: **4-28-83 - GAS**

SPUDED IN: \_\_\_\_\_

COMPLETED: \_\_\_\_\_ PUT TO PRODUCING: \_\_\_\_\_

INITIAL PRODUCTION: \_\_\_\_\_

GRAVITY API \_\_\_\_\_

GOR: \_\_\_\_\_

PRODUCING ZONES: \_\_\_\_\_

TOTAL DEPTH: \_\_\_\_\_

WELL ELEVATION: \_\_\_\_\_

DATE ABANDONED: **3.14.85 LA application rescinded**

FIELD: **3/26 Natural Buttes**

UNIT: **Natural Buttes**

COUNTY: **Uintah**

WELL NO **Natural Buttes Unite #103** API #**43-047-31335**

LOCATION **637** FT. FROM (N)  LINE **699** FT. FROM (E)  LINE **NENE** 1/4 - 1/4 SEC. **28**

TWP.	RGE.	SEC.	OPERATOR	TWP.	RGE.	SEC.	OPERATOR
------	------	------	----------	------	------	------	----------

9S	21E	28	COASTAL OIL & GAS CORP.				
----	-----	----	-------------------------	--	--	--	--

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, CO 80201

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)\*  
 At surface 637' FNL/699' FEL  
 At proposed prod. zone Same

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

15. DISTANCE FROM PROPOSED LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drig. unit line, if any) 637'

16. NO. OF ACRES IN LEASE 1480

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. 1900'

19. PROPOSED DEPTH 7100' Wasatch

20. ROTARY OR CABLE TOOLS Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)  
 4933' Ground

22. APPROX. DATE WORK WILL START\*  
 September 1, 1983

5. LEASE DESIGNATION AND SERIAL NO.  
 U-0576

6. INDIAN, ALLOTTEE OR TRIBE NAME  
 N/A

7. UNIT AGREEMENT NAME  
 Natural Buttes

8. NAME OF LEASE AREA  
 Natural Buttes

9. WELL NO.  
 NBU #103

10. FIELD AND POOL, OR WILDCAT  
 Natural Buttes

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
 Sec. 28-T9S-R21E

12. COUNTY OR PARISH AND STATE  
 Uintah, Utah

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/4"	9-5/8"	36#	200'	125 sx
7-7/8"	5 1/2"	17#	7100'	Circulate cmt. to surface to properly isolate the hydrocarbon bearing zones, the oil shale & shallow ground water.

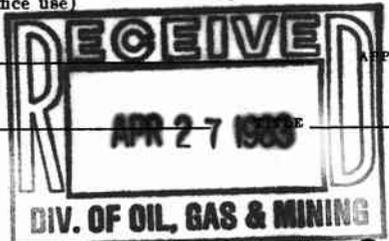
Fresh water aquifers will be protected when the long string is run and cement is circulated back to the surface. Please see the attached supplemental information:

- 1) Survey Plat
- 2) 10-Point Program
- 3) BOP Schematic
- 4) 13-Point Program
- 5) Cut & Fill
- 6) Proposed Gas Well Production Hookup:
  - a) Typical Wellhead Installation
  - b) Typical Connection to Main Lines & Pipe Anchor Detail
  - c) Proposed Flowline Right-of-Way

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 [Signature] TITLE District Drilling Engineer DATE April 21, 1983  
L. W. Thving

PERMIT NO. \_\_\_\_\_  
 APPROVED BY \_\_\_\_\_  
 CONDITIONS OF APPROVAL, IF ANY: \_\_\_\_\_



APPROVED BY THE STATE OF UTAH DIVISION OF OIL, GAS AND MINING  
 DATE: 7-28-83  
 BY: [Signature]

PROJECT

**COASTAL OIL & GAS CORP.**

Well location, *NBU # 103*,  
located as shown in the NE 1/4  
NE 1/4 Section 28, T9S, R21E,  
S.L.B.&M. Uintah County, Utah.

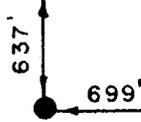
*T 9 S, R 2 1 E, S. L. B. & M.*

N 89° 58' W

80.02

*N.B. U. # 103*

*Elev. Ungraded Ground - 4933'*



28

N 0° 03' W

N 0° 02' W

80.00

WEST



CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM  
FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY  
SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE  
BEST OF MY KNOWLEDGE AND BELIEF

*Lawrence E. Kay*  
REGISTERED LAND SURVEYOR  
REGISTRATION NO 3137  
STATE OF UTAH

**UINTAH ENGINEERING & LAND SURVEYING**  
P. O. BOX Q - 85 SOUTH - 200 EAST  
VERNAL, UTAH - 84078

SCALE	1" = 1000'	DATE	3 / 21 / 83
PARTY	D. A. D.K.      S.B.	REFERENCES	GLO Plat
WEATHER	Fair	FILE	COASTAL OIL & GAS

X = Section Corners Located

1. Geologic name of surface formation:

Uintah Fm.

2. The estimated tops of important geologic markers:

Green River Fm.: 1629  
Wasatch Fm.: 4915

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

Gas: Wasatch Fm: 4915'

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
5 1/2"	K-55	LT&C	17#	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 4600 with a weight of 8.3 to 8.5 . From 4600 to TD the well will be drilled with FW Gel with a weight from 8.6 to 10.2 . 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

Cores are expected to be cut. Intervals will be picked by the wellsite geologist in order to optimize the coring process

Logs: DLL  
GR-Sonic  
GR-FDC/CNL

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

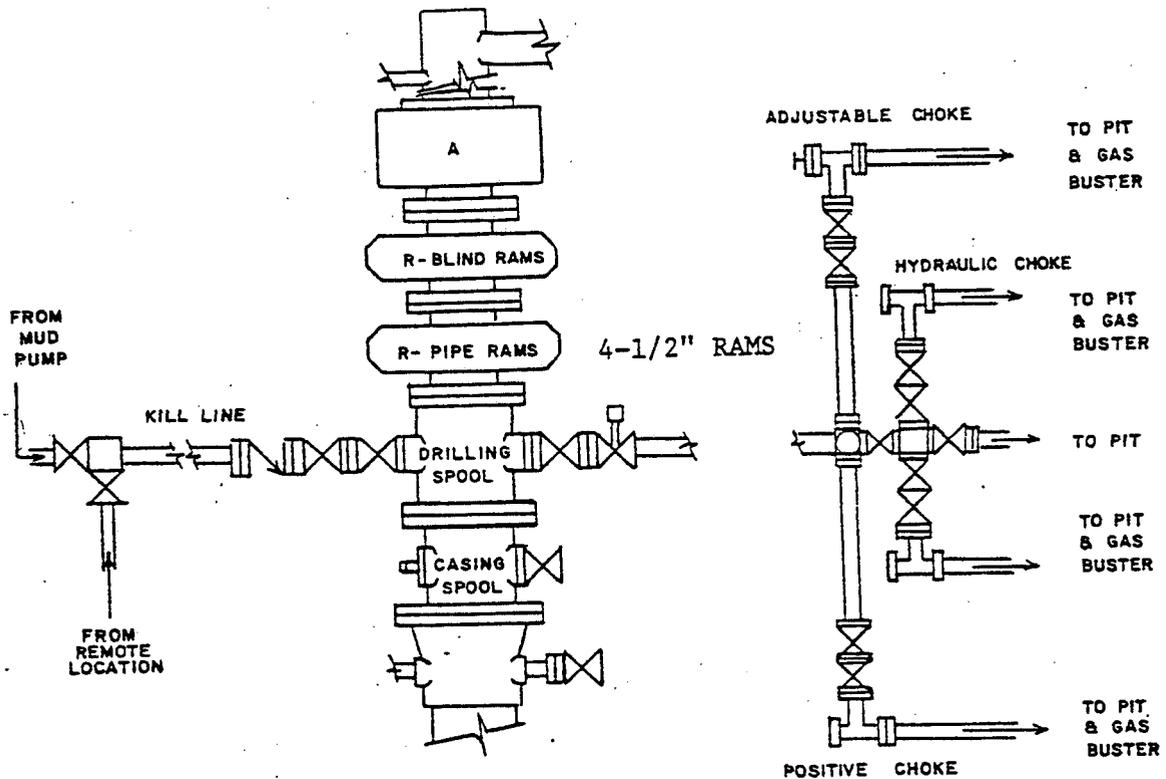
No abnormal pressures or temperatures expected  
No hydrogen sulfide expected

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

Fall, 1983

3000 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.

COASTAL OIL & GAS CORPORATION

13 Point Surface Use Plan

for

Well Location

N.B.U. #103

Located In

Section 28, T9S, R21E, S.L.B. & M.

Uintah County, Utah

1. EXISTING ROADS

See attached Topographic Maps "A" & "B".

To reach COASTAL OIL & GAS CORPORATION, well location site N.B.U. #103 located in the NE 1/4 NE 1/4 Section 28, T9S, R21E, S.L.B. & M., Uintah County, Utah:

Proceed Westerly out of Vernal, Utah along U.S. Highway 40 - 14 miles to the junction of this road and Utah State Highway 209; proceed South along Utah State Highway 209 - 7 miles more or less to the junction of this Highway 88 - 10 miles to Ouray, Utah; proceed along South on a county road known as the Seep Ridge Road + 8.3 miles to the junction of this road and an existing road to the East; proceed East along this road 6.3 miles to its junction with an existing dirt road to the North; proceed Northwesterly along this road 0.4 miles to the junction of this road and the beginning of the proposed access road (to be discussed in item #2).

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 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 access road leaves the existing road described in Item #1 in the NW 1/4 NW 1/4 Section 27, T9S, R21E, S.L.B. & M., and proceeds in a Westerly 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 grade along this road will be relatively flat, the maximum grade along this road will not exceed 8%. This road will be constructed from native borrow accumulated during construction.

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 1/2 to 1 slopes and terraced.

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

There will be no culverts required along this access road.

There will be no turnouts required along this road.

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

The terrain that this access road traverses is relatively flat.

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

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. EXISTING WELLS

There are approximately 8 existing producing gas wells within a one mile radius of this location site. See Topographic Map "B" for the location of these wells relative to the proposed location site.

There are no water wells, abandoned 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 EXISTING AND PROPOSED FACILITIES

At the present time there are other COASTAL OIL & GAS CORPORATION Production facilities, and gas gathering lines, tank batteries, oil gathering lines, injection lines or 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 the 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.

All facilities in the Natural Buttes Unit will be painted the approved color of "Carlsbad Canyon 2.5Y 6/2."

The proposed gas flow line will be an 18' right-of-way. It is not known at this time where the proposed flowline will run.

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 by truck from the White River in Section 4, T9S, R20E, S.L.B. & M..

All regulation and guidelines 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 MATERIALS

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.

7. METHODS OF HANDLING WASTE DISPOSAL

A reserve pit shall be constructed, and at least half of the depth of the reserve pit shall be below the existing ground surface. All trash and flammable materials will be contained in a portable trash basket. 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 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 is attempted.

A portable chemical toilet will be supplied for human waste.

All produced oil from this well will be contained in the storage tank and will be sold. Water if any which is produced will be run into the reserve pits 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. Representative shall be notified before any construction begins on the proposed location site and road.

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

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

10. PLANS FOR RESTORATION OF SURFACE

As there is some topsoil on the location site, all topsoil shall be stripped and stockpiled. (See location layout sheet). 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 basket shall be hauled to the nearest sanitary landfill. 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. Representative when the moisture content of the soil is adequate for germination. The Lessee further covenants and agrees that all of said clean-up and restoration activities shall be done and performed in a diligent and most workmanlike manner and in strict conformity with the above mentioned Item #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 White River to the North, and is a portion of the Roan Plateau. The area is interlaced with numerous canyons and ridges which are extremely steep with numerous ledges formed in 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 the White River to the North, of which the numerous washes, draws and non-perennial streams are tributaries to.

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

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

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

Due to the low precipitation average, climatic conditions and the marginal types of soils, the vegetation that is found in the area are common of the semi-arid region we are located in and in the lower elevations of the Uintah Basin. It consists of, as primary flow areas of sagebrush, rabbitbrush, some grasses, and cacti and large areas of bare soils devoid of any growth in the areas away from and in the vicinity of non-perennial streams and along the areas that are formed along the edges of perennial streams, cottonwood, willows, tamarack sagebrush, rabbitbrush, grasses and cacti can be found.

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

N.B.U. #103 is located on a relatively flat area approximately 5 miles South of the White River.

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

The ground slopes from the Northeast through the location to the Southwest at approximately a 3.6% grade.

The location is covered with some sagebrush and grasses.

The total surface ownership affected by this location is administered by the B.L.M..

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

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

12. LESSEE'S OR OPERATOR'S REPRESENTATIVE

COASTAL OIL & GAS CORPORATION  
P.O. Box 749  
Denver, CO. 80201

1-303-572-1121

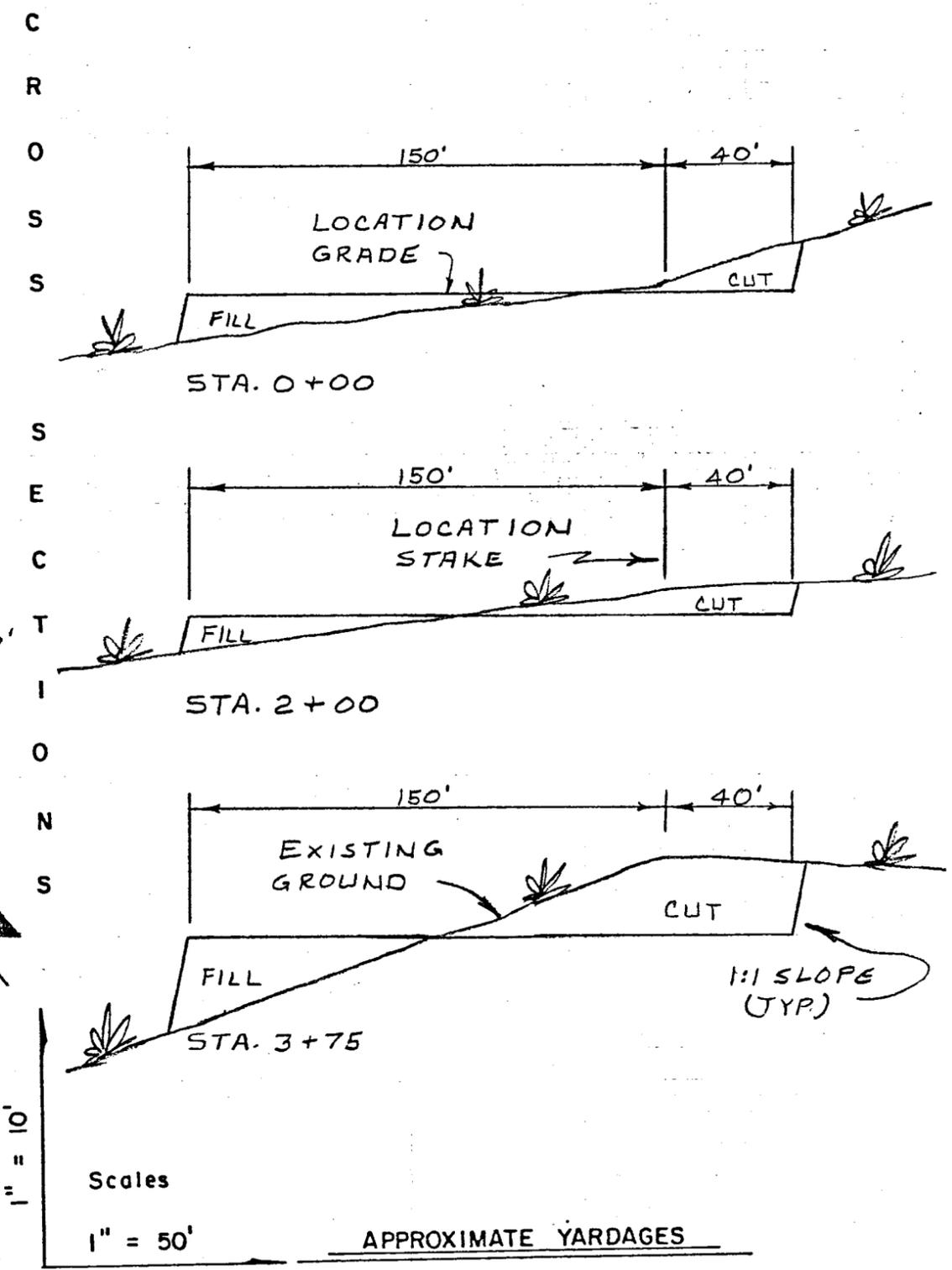
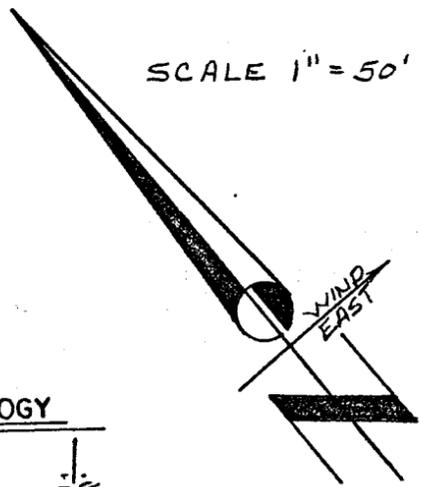
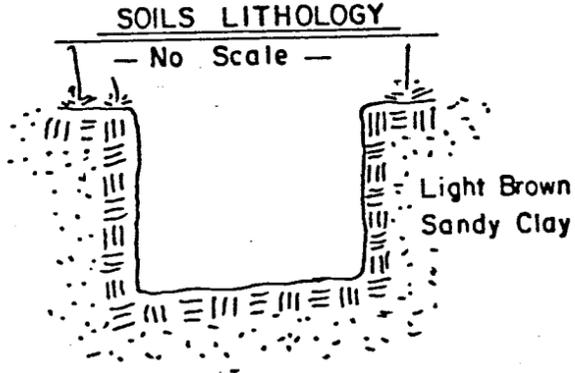
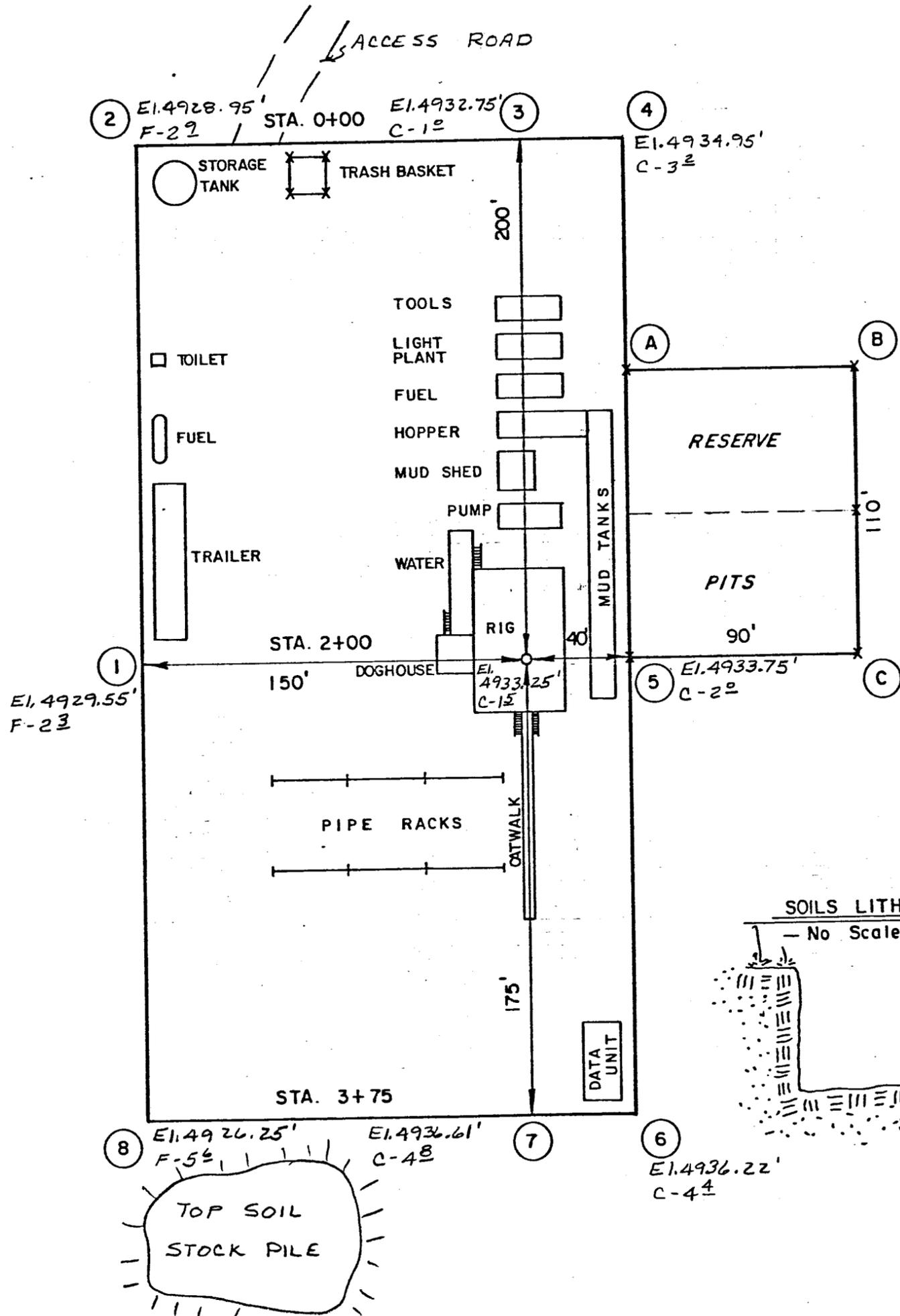
13. CERTIFICATION

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 operation proposed herein will be performed by COASTAL OIL & GAS CORPORATION and its contractors and sub-contractors in conformity with this plan and the terms and conditions under which it is approved.

Date

4-21-83

  
Senior Engineer



Cubic Yards Cut - 2,343  
 Cubic Yards Fill - 2,116

NBU # 103

PROPOSED LOCATION

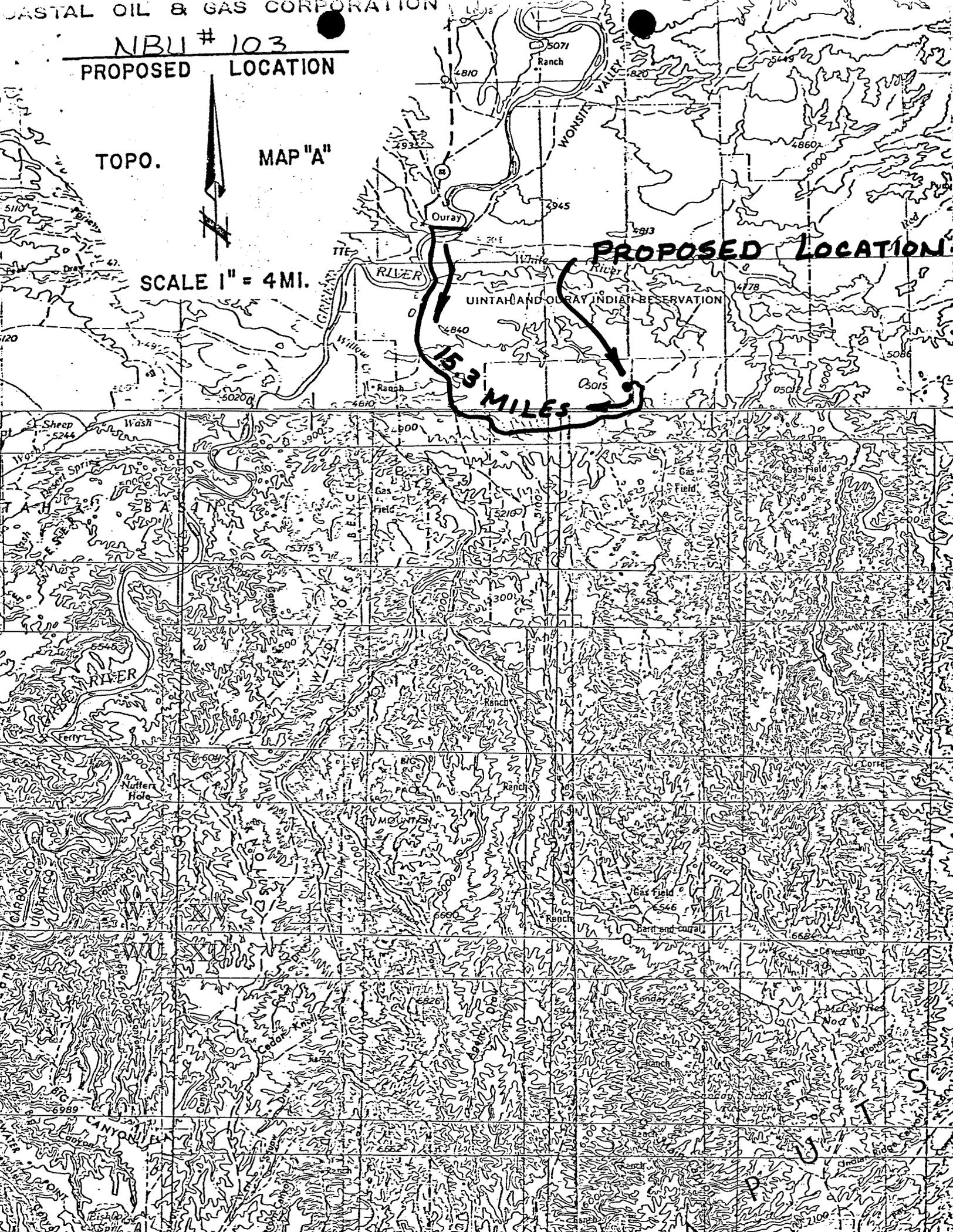
TOPO.

MAP "A"

SCALE 1" = 4 MI.

PROPOSED LOCATION

15.3 MILES



NBU # 103  
PROPOSED LOCATION

TOPO.

MAP "B"

SCALE 1" = 2000'

RQAD CLASSIFICATION

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

UTAH

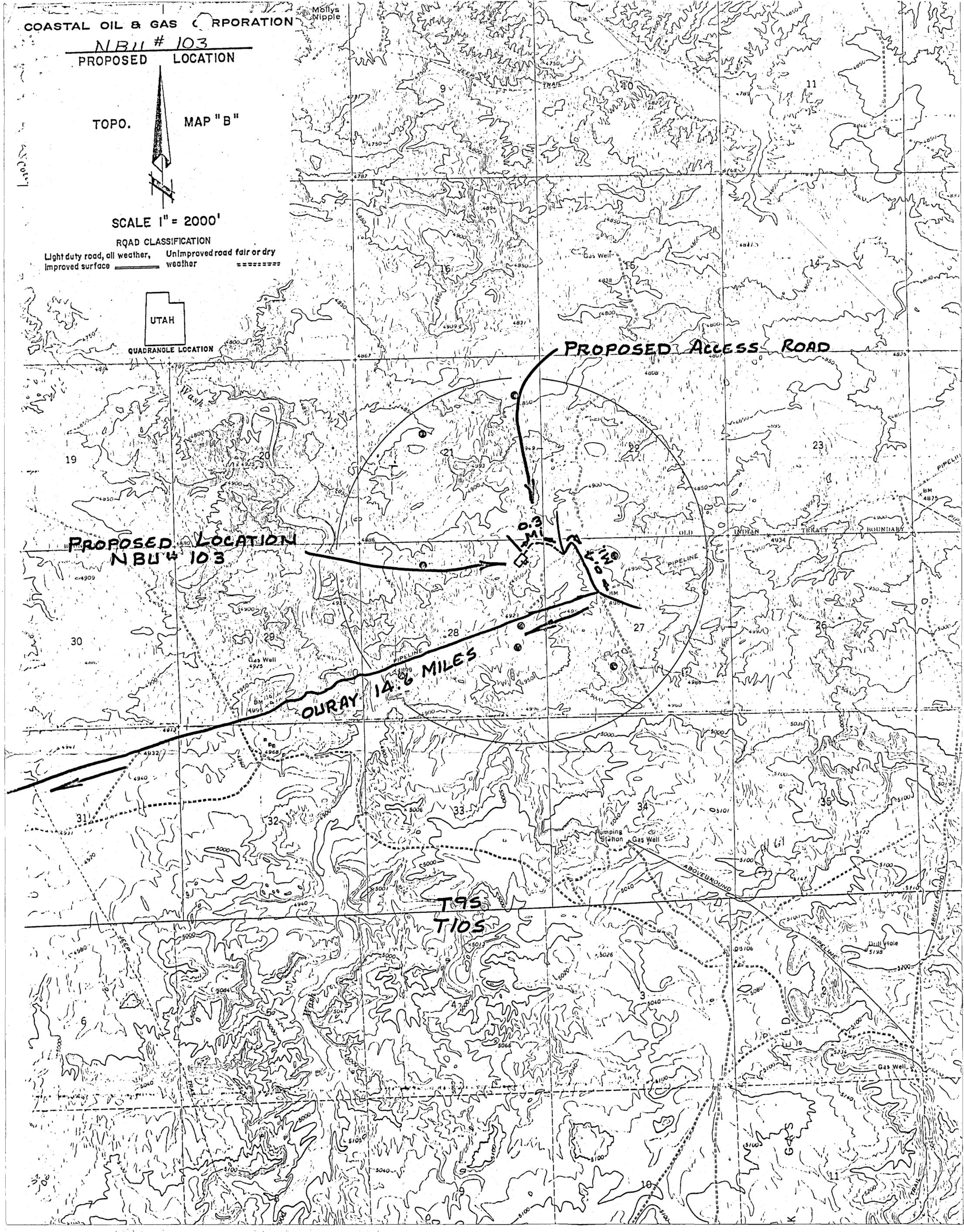
QUADRANGLE LOCATION

PROPOSED ACCESS ROAD

PROPOSED LOCATION  
NBU # 103

OURAY 14.6 MILES

T95  
T105



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 103 in an easterly direction through the NE/4 of Section 28 and the NW/4 of Section 27, connecting to Line F 226-6" in the NW/4 of Section 27, all in 9S 21E. The line will be approximately 1500' long, as shown on the attached sketches.

Pipe will 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 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 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: 4-11-83  
STARTING DATE: \_\_\_\_\_  
EST. COMP. DATE: \_\_\_\_\_  
 COMPANY  CONTRACT

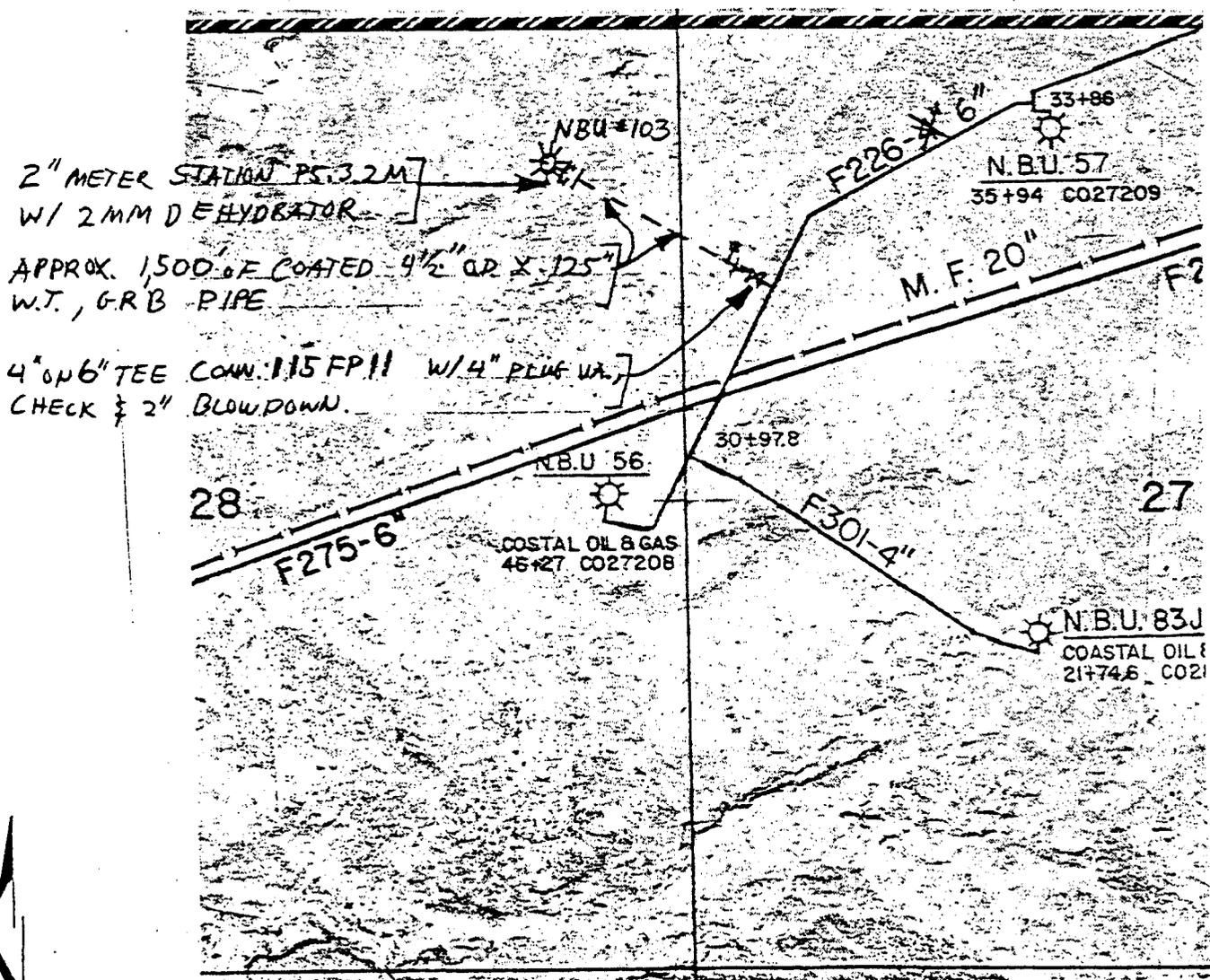
COLORADO INTERSTATE GAS COMPANY  
 \_\_\_\_\_

W O NO.: \_\_\_\_\_  
REVISION NO.: \_\_\_\_\_  
BUDGET NO.: \_\_\_\_\_  
RELATED DWG.: 115FK-1B

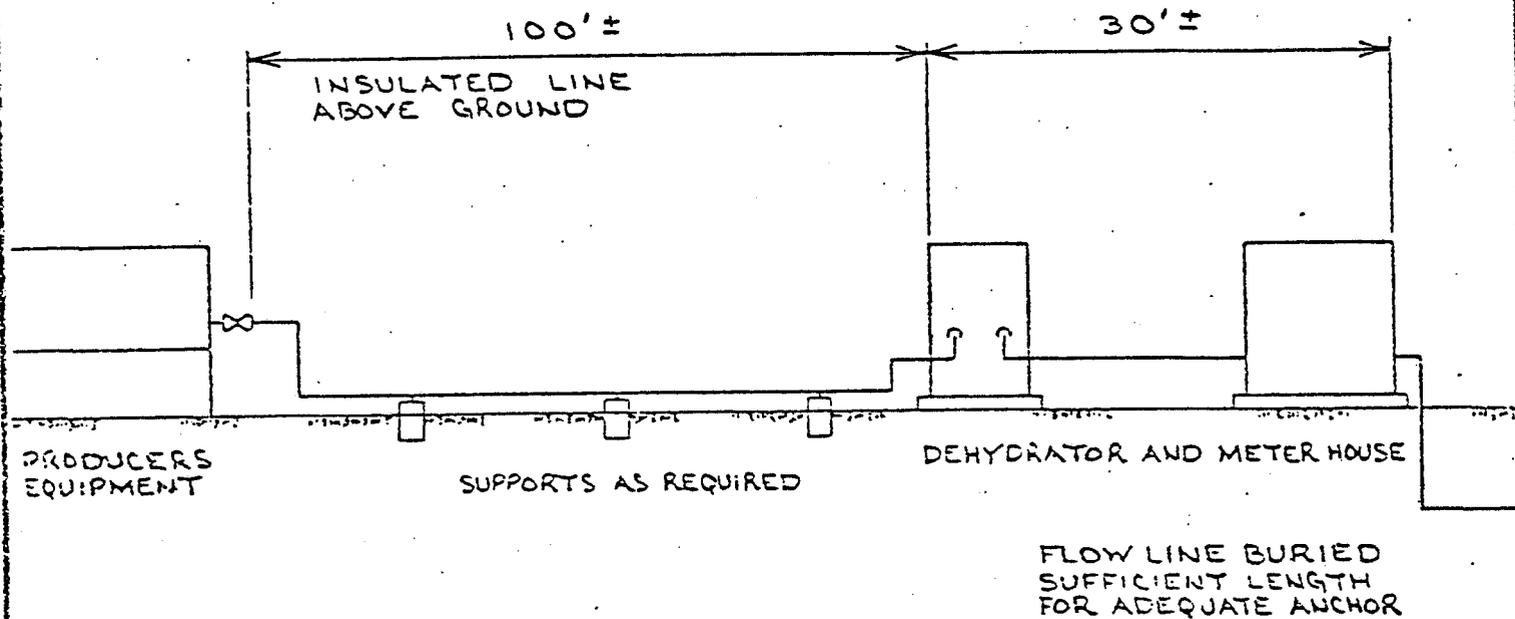
LOCATION: NE NE SECT 28-9S-21E COUNTY: UINTAH STATE: UTAH  
DESCRIPTION OF WORK: CONNECT NBU #103 NATURAL BUTTES  
COGL

REQUESTED BY: \_\_\_\_\_ APPROXIMATE MILEAGE: \_\_\_\_\_ PROJECT ENGINEER: JFK

RANGE: 21E



TOWNSHIP: 9S




Colorado Interstate Gas Co.  
 COLORADO SPRINGS, COLORADO

TYPICAL WELL HEAD INSTALLATION  
 NATURAL BUTTES FIELD

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'±

O.D.

U.V.

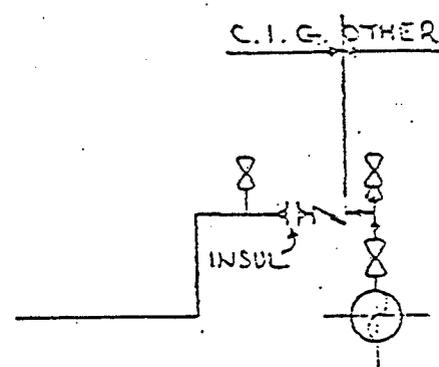
S.V.

EXIST. PIPELINE

ALTERNATE ANCHOR - BURY PIPELINE MIN. OF 18"

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

C.I.G. OTHER



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

1 2305B REVISE STARTING POINT 6-27-77 RUP

UINTA COUNTY, UTAH

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

MINERALS MANAGEMENT  
SERVICES  
OIL & GAS OPERATIONS  
RECEIVED  
APR 27 1983

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, CO 80201

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)\*  
At surface 637' FNL/699' FEL  
At proposed prod. zone Same

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

15. DISTANCE FROM PROPOSED\* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 637'

16. NO. OF ACRES IN LEASE 1480

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. 1900'

19. PROPOSED DEPTH 7100' Wasatch

20. ROTARY OR CABLE TOOLS Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.) 4933' Ground

22. APPROX. DATE WORK WILL START\* September 1, 1983

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"	5 1/2"	17#	7100'	Circulate cmt to surface to properly isolate the hydrocarbon bearing zones, the oil shale & shallow ground water.

Fresh water aquifers will be protected when the long string is run and cement is circulated back to the surface. Please see the attached supplemental information:

- 1) Survey Plat
- 2) 10-Point Program
- 3) BOP Schematic
- 4) 13-Point Program
- 5) Cut & Fill
- 6) Proposed Gas Well Production Hookup:
  - a) Typical Wellhead Installation
  - b) Typical Connection to Main Lines & Pipe Anchor Detail
  - c) Proposed Flowline Right-of-Way

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 L. W. Thyng TITLE District Drilling Engineer DATE April 21, 1983  
(This space for Federal or State office use)

PERMIT NO. \_\_\_\_\_ APPROVAL DATE \_\_\_\_\_  
APPROVED BY W. J. Martin TITLE E. W. Guynn DATE JUN 20 1983  
DISTRICT OIL & GAS SUPERVISOR

NOTICE OF APPROVAL 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

State O & G

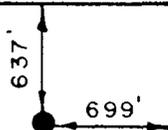
T 9 S, R 2 1 E, S.L.B.&M.

N 89° 58' W

80.02

N.B. U. # 103

Elev. Ungraded Ground - 4933'



28

N 0° 03' W

N 0° 02' W

80.00

WEST

X = Section Corners Located

PROJECT

COASTAL OIL & GAS CORP.

Well location, NBU # 103,  
located as shown in the NE 1/4  
NE 1/4 Section 28, T9S, R21E,  
S.L.B.&M. Uintah County, Utah.



CERTIFICATE

THE SURVEYOR HAS THE HONORABLE AND SOLEMN DUTY OF  
THE STATE OF UTAH TO VERIFY THE ACCURACY OF THE  
FIELD MEASUREMENTS AND THE CORRECTNESS OF THE  
CALCULATIONS AND THAT THE SAME ARE TRUE AND  
CORRECT TO THE BEST OF HIS KNOWLEDGE AND BELIEF.

REGISTERED LAND SURVEYOR  
REGISTRATION NO 3137  
STATE OF UTAH

UINTAH ENGINEERING & LAND SURVEYING  
P O BOX Q - 85 SOUTH - 200 EAST  
VERNAL, UTAH - 84078

1" = 1000'

DATE: 3 / 21 / 83

D.A. D.K.

S.B.

GL0 Plat

Fair

COASTAL OIL & GAS

Coastal Oil & Gas Corporation  
Well No. NBU 103  
Section 28, T. 9 S., R. 21 E.  
Uintah County, Utah  
Natural Buttes Unit  
Lease U-0576

Supplemental Stipulations

- 1) Traveling off access road rights-of-way will not be allowed. The maximum width of access roads (both existing and planned) will be 30 feet total disturbed area. Roads will be crowned and properly maintained. Turnouts will not be required. Bar ditches will be installed where necessary.
- 2) Burn pits will not be constructed. There will be no burning or burying of garbage or trash at the well site. Refuse must be contained in trash cages and hauled to an approved disposal site.
- 3) A wire mesh or net type of fence, topped with at least one strand of barbed wire, will be used around the reserve pits.
- 4) The BLM will be contacted at least 24 hours prior to any rehabilitation activities. The operator may be informed of any additional needed seeding requirements.
- 5) The top 4-6 inches of topsoil will be stockpiled near stake No. 8 as indicated in the layout diagram.
- 6) The pipeline route for the location was examined at the onsite and found acceptable. The following recommendations should be used to govern installation of surface flowlines.
- 7) The BLM will be notified at least 24 hours prior to any construction.
- 8) 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 surface disturbance authorized.
- 9) Pipeline construction shall not block, dam, or change the natural flow of any drainage.
- 10) All permanent (on site for six (6) months duration or longer) structures constructed or installed, including the pumpjack and covering over tank insulation, shall be painted a flat, non-reflective, earth tone color to match Tnemec 23-08351 Mesa Brown Enduratone or an approved equal. All facilities shall be painted within six (6) months of when the production facilities are put in place. Facilities that are required to comply with O.S.H.A. (Occupational Safety and Health Act) standards are excluded.

- 11) Choice of color stipulation may vary depending on location.
- 12) Adequate and sufficient electric/radioactive logs will be run to locate and identify the prime oil shale horizons and gilsonite in the Mahogany Zone of the Green River formation. Casing and cementing programs will be adjusted to eliminate any potential influence of the well bore or productive hydrocarbon zones on the oil shale and gilsonite resources. Surface casing program may require adjustment for protection of fresh water aquifers.

## ADDITIONAL STIPULATIONS FOR PRODUCTION FACILITIES

Your Application for Permit to Drill also included a submittal for production facilities. These production facilities are approved for the lessee and his designated operator under Section 1 of the Oil and Gas Lease with the following conditions:

- (1) The oil and gas measurement facilities must be installed on the well location. The oil and gas meters will be calibrated in place prior to any deliveries. Tests for meter accuracy are to be conducted monthly for the first three months on new meter installations and at least quarterly thereafter. Please provide this office with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports are to be submitted to the Salt Lake City District Oil and Gas Supervisor. Royalty payments will be made on all production volume as determined by the meter measurements or the tank measurements. All measurement facilities must conform with the API standards for liquid hydrocarbons and the AGA standard for natural gas measurement.
- (2) Gas meter runs for each well will be located within 500 feet of the wellhead. The gas flowline will be buried from the wellhead to the meter and 500 feet downstream of the meter run or any production facilities. Meter runs must be housed and/or fenced.
- (3) All disturbed areas not required for operations will be rehabilitated.
- (4) All produced liquids must be contained including the dehydrator vent/condensate line effluent. All production pits must be fenced.
- (5) The well activity, the well status and the date the well is placed on production must be reported on Lessee's Monthly Report of Operations, Form 9-329.
- (6) All off-lease storage, off-lease measurement, or commingling on lease or off-lease must have written approval.
- (7) All product lines entering and leaving hydrocarbon storage tanks must be locked/sealed.
- (8) You are reminded of the requirements for handling, storing, or disposing of water produced from oil and gas wells under NTL-2B.
- (9) All materials, trash, junk, debris, etc. not required for production must be removed from the well site and production facility site at the completion of these operations.
- (10) A copy of the Gas Sales Contract will be provided to this office and the Royalty Accounting Department as directed.
- (11) Construction and maintenance for surface use approved under this plan should be in accordance with the surface use standards as set forth in the BLM/GS Oil and Gas Brochure entitled, "Surface Operating Standards for Oil and Gas Exploration and Development." This includes, but is not limited to, such items as road construction and maintenance, handling of top soil and rehabilitation.
- (12) "Sundry Notice and Reports on Wells" (form 9-331) will be filed for all changes of plans and other operations in accordance with 30 CFR 221.58. Emergency approval may be obtained verbally, but such approval does not waive the written report requirement. Any additional construction, reconstruction, or alternations of facilities, including roads, gathering lines, batteries, measurement facilities, etc., will require the filing of a suitable plan and prior approval by the survey.

OPERATOR COASTAL OIL & GAS CORP DATE 4-28-83

WELL NAME NATURAL BUTTES UNIT # 103

SEC NE NE 28 T 9S R 21E COUNTY UNDTAH

43-047-31335  
API NUMBER

FED  
TYPE OF LEASE

POSTING CHECK OFF:

<input type="checkbox"/>	INDEX	<input type="checkbox"/>	HL	<input type="checkbox"/>
<input type="checkbox"/>	NID	<input type="checkbox"/>	PI	<input type="checkbox"/>
<input type="checkbox"/>	MAP	<input type="checkbox"/>		<input type="checkbox"/>

PROCESSING COMMENTS:

---



---



---



---

*VPST*

APPROVAL LETTER:

SPACING:  A-3 NATURAL BUTTES UNIT  c-3-a \_\_\_\_\_ CAUSE NO. & DATE

c-3-b  c-3-c

SPECIAL LANGUAGE:

SPECIAL ATTENTION IS DIRECTED TO COMPLIANCE WITH THE  
ORDER IN CAUSE NO. 190-5 DATED 1-27-83, WHICH SPECIFIES  
DESIGNATED  
DRILLING PROCEDURES IN OIL SHALE DESIGNATED AREAS

---



---



---

RECONCILE WELL NAME AND LOCATION ON APD AGAINST SAME DATA ON PLAT MAP.

AUTHENTICATE LEASE AND OPERATOR INFORMATION

VERIFY ADEQUATE AND PROPER BONDING

AUTHENTICATE IF SITE IS IN A NAMED FIELD, ETC.

APPLY SPACING CONSIDERATION

ORDER \_\_\_\_\_

UNIT \_\_\_\_\_

c-3-b

c-3-c

CHECK DISTANCE TO NEAREST WELL.

CHECK OUTSTANDING OR OVERDUE REPORTS FOR OPERATOR'S OTHER WELLS.

IF POTASH DESIGNATED AREA, SPECIAL LANGUAGE ON APPROVAL LETTER

IF IN OIL SHALE DESIGNATED AREA, SPECIAL APPROVAL LANGUAGE.

April 28, 1983

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

RE: Well No. Natural Buttes Unit #103  
NENE Sec. 28, T.9S, R.21E  
637 FNL, 699 FEL  
Uintah County, Utah

Gentlemen:

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. Special attention is directed to compliance with the order in Cause No. 190-5 dated January 27, 1983, which specifies drilling procedures in designated oil shale areas.

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

RONALD J. FIRTH - Chief Petroleum Engineer  
Office: 533-5771  
Home: 571-6068

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 43-047-31335.

Sincerely,

  
Norman C. Stout  
Administrative Assistant

NCS/as  
cc: Oil & Gas Operations  
Enclosure



STATE OF UTAH  
NATURAL RESOURCES  
Oil, Gas & Mining

Norman H. Bangerter, Governor  
Dee C. Hansen, Executive Director  
Dianne R. Nielson, Ph.D., Division Director

355 W. North Temple • 3 Triad Center • Suite 350 • Salt Lake City, UT 84180-1203 • 801-538-5340

February 21, 1985

Bureau of Land Management  
Vernal District Office  
170 South 500 East  
Vernal, Utah 84078

Gentlemen:

Re: Natural Buttes Unit #103 - Sec. 28, T. 9S., R. 21E  
Uintah County, Utah - API #43-047-31335 - Lease #U-0576  
Operator of Record - Coastal Oil & Gas Corporation

The above referred to well in your district was given federal approval to drill June 20, 1983. This office has not received notification of any activity on this location.

Please let me know what action, if any, the Bureau of Land Management is taking on this well.

Thank you for your help in keeping our records up to date.

Sincerely,

A handwritten signature in cursive script that reads "Claudia L. Jones".

Claudia L. Jones  
Well Records Specialist

cc: Dianne R. Nielson  
Ronald J. Firth  
John R. Baza  
File  
0087S/47

**Bureau of Land Management  
Vernal District Office  
170 South 500 East  
Vernal, Utah 84078**

3100  
O&G

February 26, 1985

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

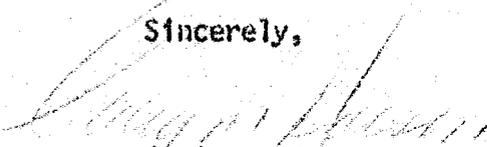
RE: Rescind Application for Permit to Drill  
Well No. NBU 103  
Section 28, T9S, R21E  
Uintah County, Utah  
Lease No. U-0576

Gentlemen:

The Application for Permit to Drill the referenced well was approved on June 20, 1983. Since that date, no known activity has transpired at the approved location. Under current District policy, Applications for Permit to Drill are effective for a period of one year. In view of the foregoing, this office is rescinding the approval of the referenced application without prejudice. If you intend to drill at this location at a future date, a new Application for Permit to Drill must be submitted.

This office requires a letter confirming that no surface disturbance has been made for this drill site. Any surface disturbance associated with the approved location of this well is to be rehabilitated. A schedule for this rehabilitation must be submitted to this office. Your cooperation in this matter is appreciated.

Sincerely,

  
Craig M. Hansen  
ADM for Minerals

bcc: State Div. O G & M  
well file



STATE OF UTAH  
NATURAL RESOURCES  
Oil, Gas & Mining

Norman H. Bangerter, Governor  
Dee C. Hansen, Executive Director  
Dianne R. Nielson, Ph.D., Division Director

355 W. North Temple • 3 Triad Center • Suite 350 • Salt Lake City, UT 84180-1203 • 801-538-5340

March 14, 1985

Coastal Oil & Gas Corporation  
600 Seventeenth Street  
Denver, Colorado 80201-0749

Gentlemen:

Re: Well No. N B Unit 103 - Sec. 28, T. 9S., R. 21E  
Uintah County, Utah - API #43-047-31335

In concert with action taken by the Bureau of Land Management, February 26, 1985, approval to drill the above-indicated well is hereby rescinded.

A new "Application for Permit to Drill" must be filed with this office, for approval, prior to future drilling of the subject location.

Sincerely,

A handwritten signature in cursive script that reads "John R. Baza".

John R. Baza  
Petroleum Engineer

clj

cc: Dianne R. Nielson  
Ronald J. Firth  
File

0123S/29



**Coastal Oil & Gas Corporation**  
a subsidiary of The Coastal Corporation

600 17th Street—Suite 800 S  
P. O. Box 749  
Denver, Colorado 80201-0749

303/572-1121

March 22, 1985

Mr. Craig M. Hansen  
ADM for Minerals  
U. S. Department of the Interior  
Bureau of Land Management  
Vernal District Office  
170 South 500 East  
Vernal, Utah 84078

Re: NBU 103 - Lease No. U-0576  
Section 28-T9S-R21E  
Uintah County, Utah

Dear Mr. Hansen:

Regarding the rescinding of the Application to Drill the referenced well, please be advised that the location has been inspected for surface damages and was found not to be disturbed.

Yours very truly,

Anne M. Dyer  
Operations Analyst  
Denver District Drilling Department

d

xc: State of Utah  
Natural Resources  
Oil, Gas & Mining  
W. L. Donnelly  
H. E. Aab  
B. J. Nelson