

UTAH OIL AND GAS CONSERVATION COMMISSION

REMARKS: WELL LOG _____ ELECTRIC LOGS _____ FILE WATER SANDS _____ LOCATION INSPECTED _____ SUB. REPORT *abd*

DATE FILED **8-19-87**
 LAND: FEE & PATENTED _____ STATE LEASE NO. **ML-3141** PUBLIC LEASE NO. _____ INDIAN _____
 DRILLING APPROVED: **9-10-87**
 SPUDDED IN: _____
 COMPLETED: **01-1-90 OPA** PUT TO PRODUCING: _____
 INITIAL PRODUCTION: _____
 GRAVITY A.P.I. _____
 GOR: _____
 PRODUCING ZONES: _____
 TOTAL DEPTH: _____
 WELL ELEVATION: _____

DATE ABANDONED: **01-1-90 OPA**
 FIELD: **NATURAL BUTTES**
 UNIT: **NATURAL BUTTES**
 COUNTY: **UINTAH**
 WELL NO. **NATURAL BUTTES 104D-16-9-21** API #**43-047-31812**
 LOCATION **2022' FSL** FT. FROM (N) (S) LINE, **2104' FWL** FT. FROM (E) (W) LINE, **NE SW** 1/4 - 1/4 SEC. **16**

TWP.	RGE.	SEC.	OPERATOR	TWP.	RGE.	SEC.	OPERATOR
9S	21E	16	COASTAL OIL & GAS CORP.				

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

5. LEASE DESIGNATION AND SERIAL NO.
Utah ML-3141

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

7. UNIT AGREEMENT NAME
Natural Buttes

8. FARM OR LEASE NAME
C.I.G.E.

9. WELL NO.
104D-16-9-21

10. FIELD AND POOL, OR WILDCAT
Natural Buttes

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec. 16, T9S, R21E

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
COASTAL OIL & GAS CORPORATION

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

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*
At surface: 1980' FSL/1980' FWL NE 1/4 SW 1/4 Sec. 16, T9S, R21E
At proposed prod. zone: 2022' 2104'
Same

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
Approximately 10.6 miles SE of Ouray, Utah

16. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drig. unit line, if any) 1980'
17. NO. OF ACRES IN LEASE 280
17. NO. OF ACRES ASSIGNED TO THIS WELL 80

18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 1300'
19. PROPOSED DEPTH 6650 Wasatch
20. ROTARY OR CABLE TOOLS Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.) 4834 Ground
22. APPROX. DATE WORK WILL START* Dec. 1, 1987

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/4"	8 5/8"	24#	250'	125 Sacks
7 7/8"	5 1/2"	17#	6650'	Circulate to surface est. 620 sacks.

All fresh water aquifers will be protected when the production casing is run and cemented to surface. Please see attached supplemental information.

APPROVED BY THE STATE
OF UTAH DIVISION OF
OIL, GAS, AND MINING
DATE: 9-10-87
BY: John R. Baya
WELL SPACING: R21E-2-3

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 Raymond Murray TITLE Agent (722-2162) DATE 7/28/87

(This space for Federal or State office use)
PERMIT NO. 43-047-31812 APPROVAL DATE

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

RECEIVED
AUG 19 1987

DIVISION OF OIL
GAS & MINING

*See Instructions On Reverse Side

T 9 S, R 21 E, S.L.B. & M.

PROJECT
COASTAL OIL & GAS CORP.

Well location, C.I.G.E. 104 D, located as shown in the NE $\frac{1}{4}$ SW $\frac{1}{4}$ Section 16, T 9 S, R 21 E, S.L.B. & M., Uintah County, Utah.

BASIS OF ELEVATION

Spot elevation at the SW Corner of Section 16, T9S, R21E, S.L.B. & M. taken from the Ouray SE Quadrangle, Utah - Uintah County, 7.5 minute quad. (topography map) published by the U.S. Department of the Interior, Geological Survey in 1964. Said elevation is marked as being 4867'.



CERTIFICATE

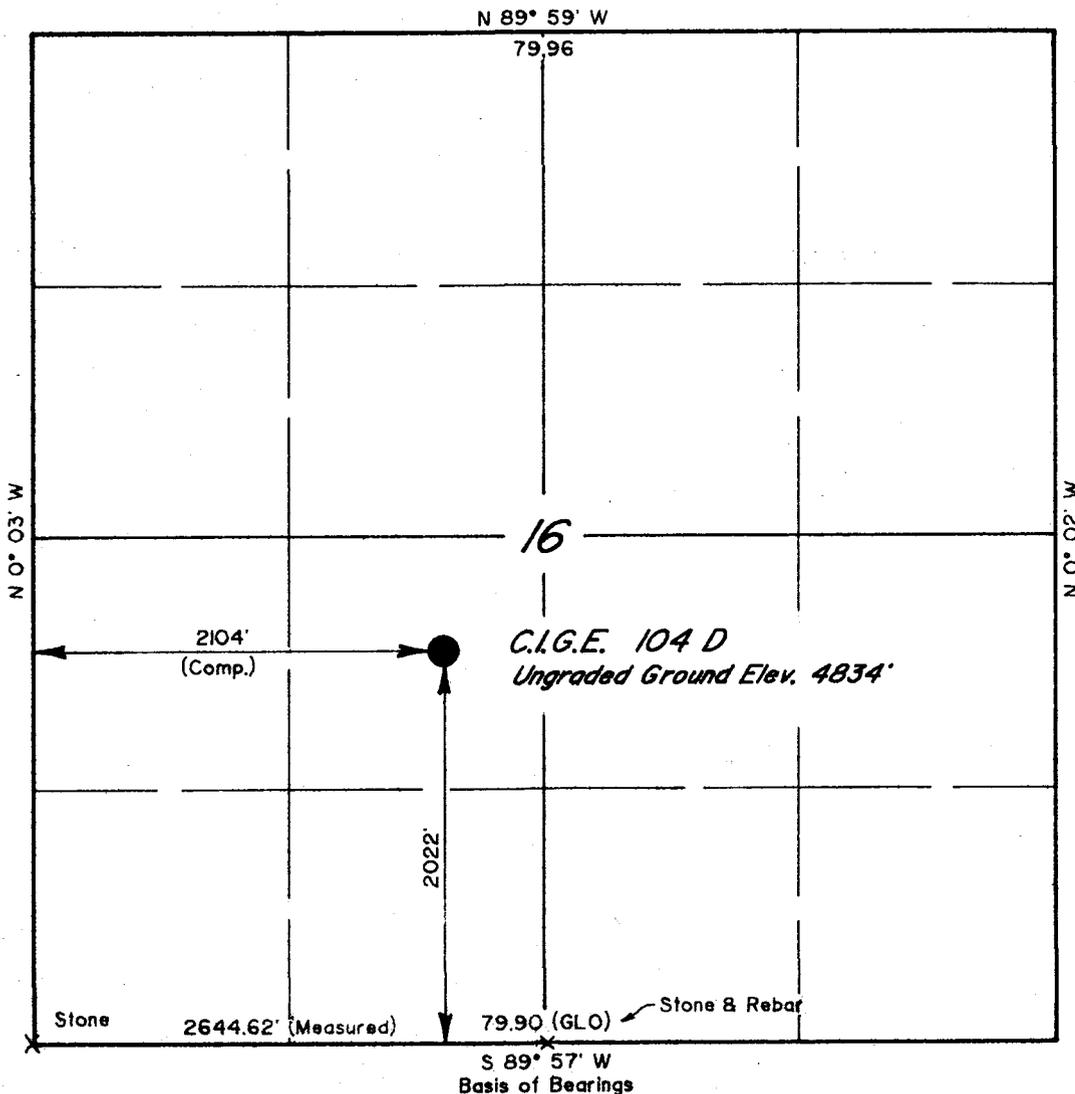
THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

Lawrence L. 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 2-3-87
PARTY LDT KH DLS	REFERENCES GLO
WEATHER FAIR	FILE COASTAL



X = Located Section Corners

February 5, 1987

COASTAL OIL AND GAS CORPORATION

C.I.G.E. # 104 D

Proceed Westerly out of Vernal, Utah along 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 Southerly on Highway 88 - 10 miles to Ouray, Utah; proceed along South on a county road known as the Seep Ridge Road - 1.80 miles to the junction with an oil field service road which takes off to the East just South of the White River Bridge; proceed Easterly along this road 4.5 miles more or less to the junction with an oil field service road; proceed Southeasterly along this road 4.27 miles to the junction with an oil field service road; proceed Southeast 0.50 miles to a point where the proposed access road will take off; thence Northeasterly 0.23 miles to the location site.

WATER SUPPLY

Water supply is the White River and is located from the proposed location as follows: Proceed Southwesterly along proposed access road 0.23 miles to its junction with an oil field service road; proceed Northwesterly 0.50 miles along this road to a junction with an oil field service road; proceed Northwesterly 4.28 miles to the junction with an oil field service road; proceed North 0.45 miles to the White River.

COASTAL OIL & GAS CORPORATION

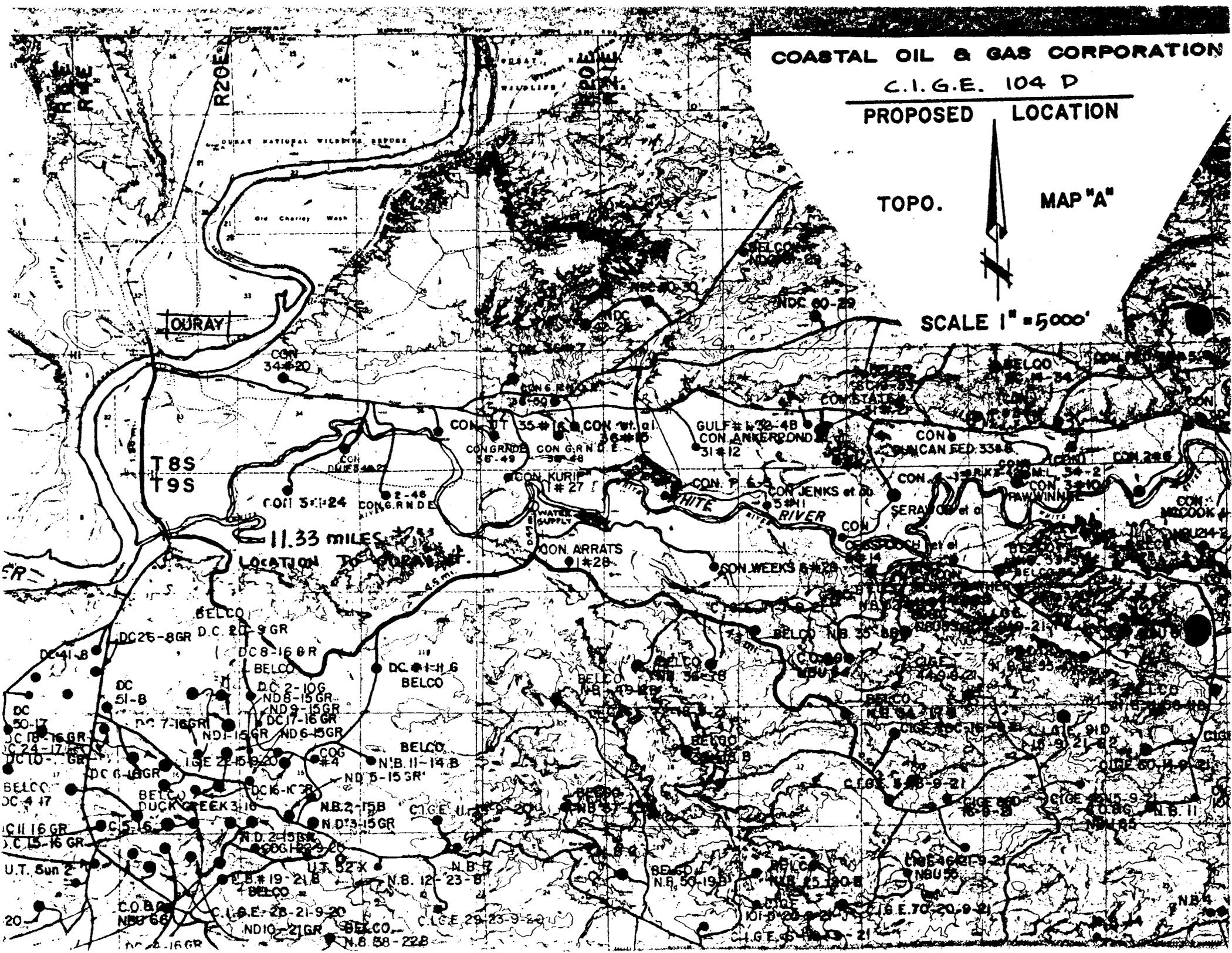
C.I.G.E. 104 D

PROPOSED LOCATION

TOPO.

MAP "A"

SCALE 1" = 5000'



OURAY

T8S
T9S

11.33 MILES
LOCATION TO BE DETERMINED

WHITE RIVER

BELCO
DC 26-8GR D.C. 20-9GR

DC 8-16GR
BELCO

DC 2-10G
ND 8-15GR
ND 9-15GR
DC 7-16GR
ND 1-15GR ND 6-15GR

DC 6-16GR
BELCO
DUCK CREEK 3-16

DC 16-K2B
BELCO

ND 2-15GR
COG 1-23-20

U.T. 52X
U.T. 19-21B
BELCO

C.O.B. NB 66
C.I.G.E. 28-21-9-20
ND 10-21GR
BELCO

DC 4-16GR
N.B. 58-22B

DC 1-14B
BELCO

N.B. 11-14B
BELCO

ND 5-15GR
BELCO

N.B. 2-15B
C.I.G.E. 11-23-9-20

N.B. 7
N.B. 12-23-B
BELCO

C.I.G.E. 29-23-9-20

N.B. 58-22B

CON ARRATS
#1-2B

CON WEEKS
#1-2B

CON JENKS et al
#5-11

CON SERAFIN et al

CON TRAWINNIK

CON MCGOOK

CON U24-2

CON 2-10

CON 3-10

CON 1-10

CON 2-10

GULF #1-2-4B
CON ANKERPOND
#31-12

CON P. G. S.

CON JENKS et al
#5-11

CON SERAFIN et al

CON TRAWINNIK

CON MCGOOK

CON U24-2

CON 2-10

CON 3-10

CON 1-10

CON 2-10

CON 3-10

CON 1-10

CON 2-10

CON 31-12

CON 5-11

CON 1-10

CON 2-10

CON 3-10

CON 31-12

CON 5-11

CON 1-10

CON 2-10

CON 3-10

CON 31-12

CON 5-11

CON 1-10

CON 2-10

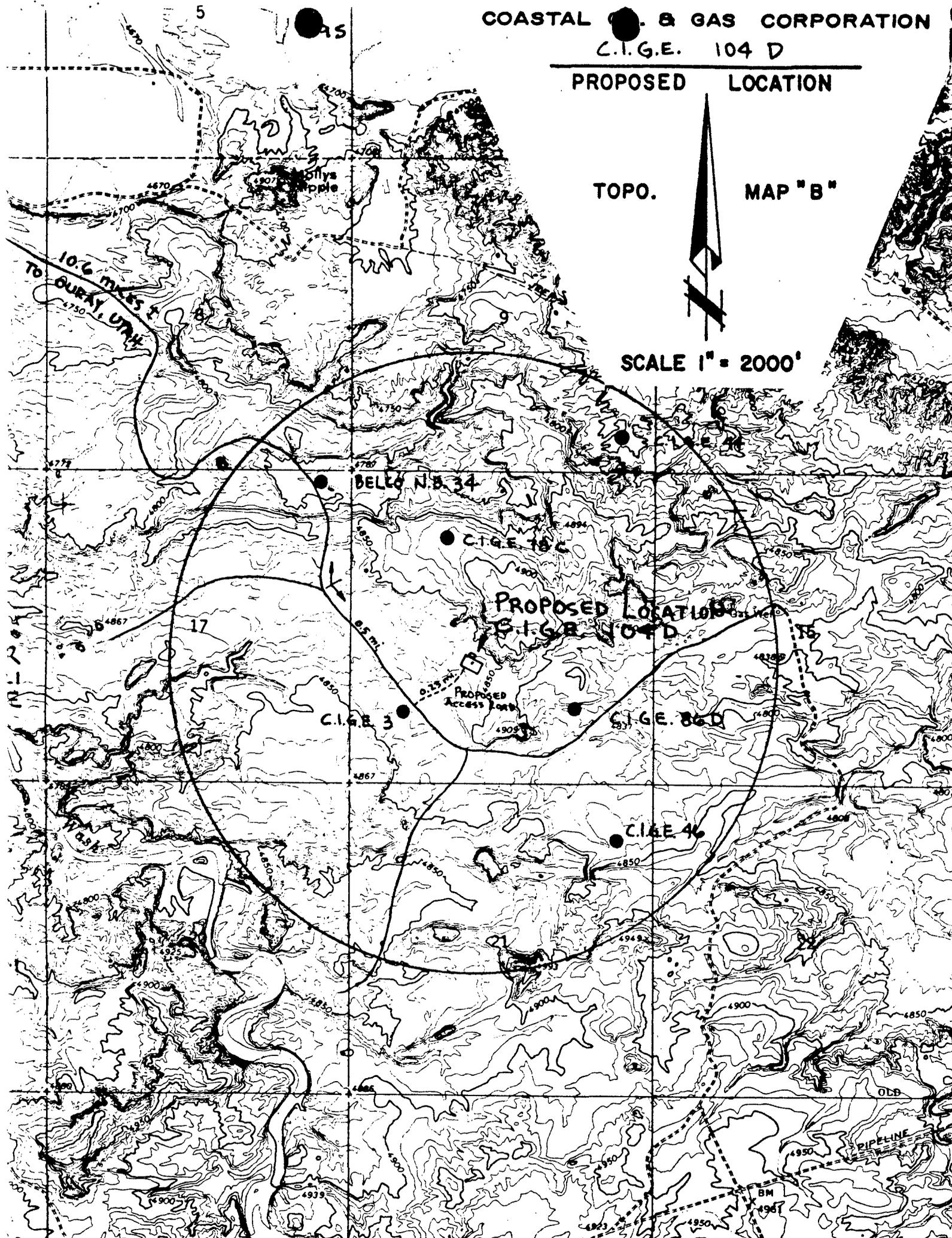
CON 3-10

PROPOSED LOCATION

TOPO.

MAP "B"

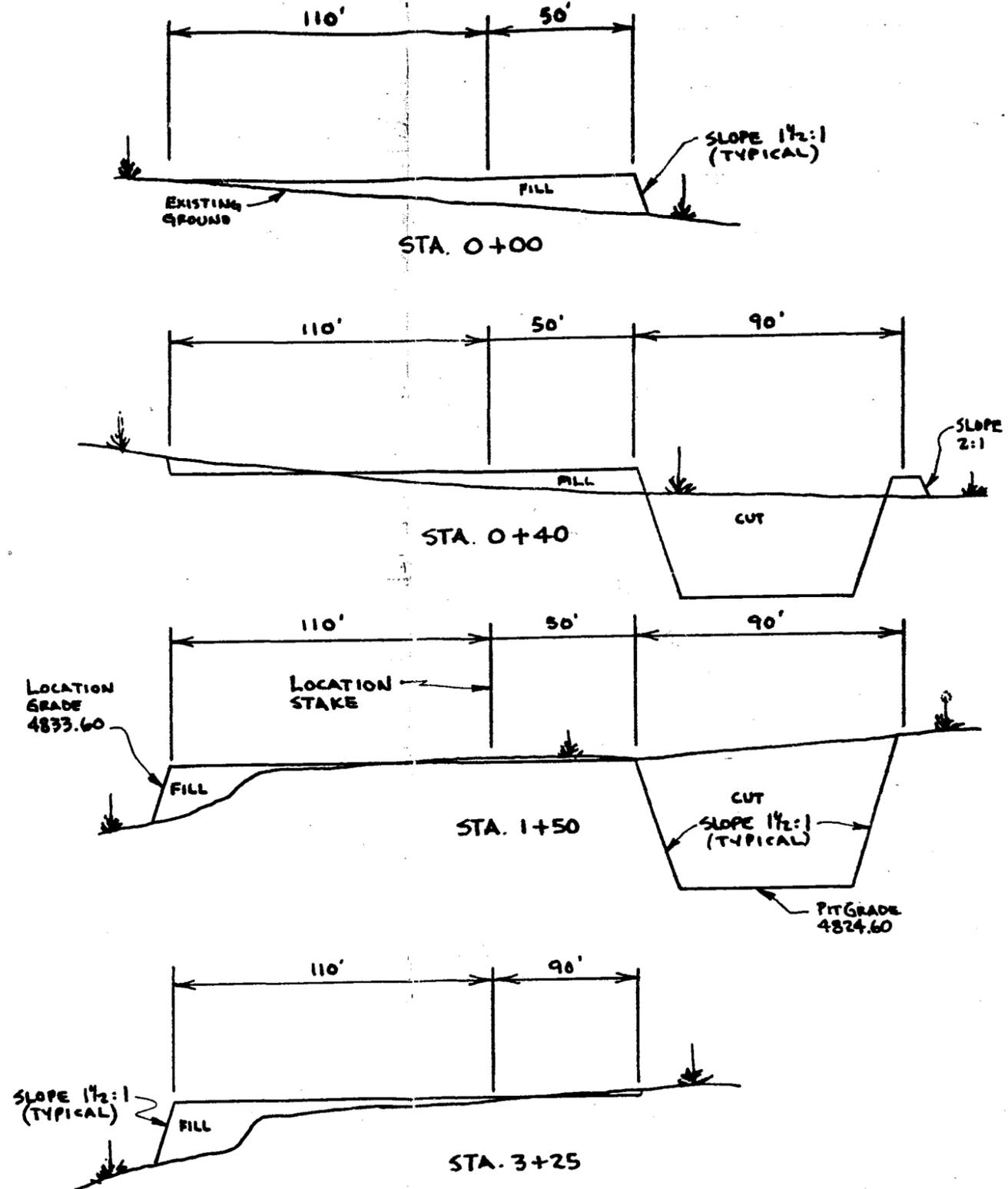
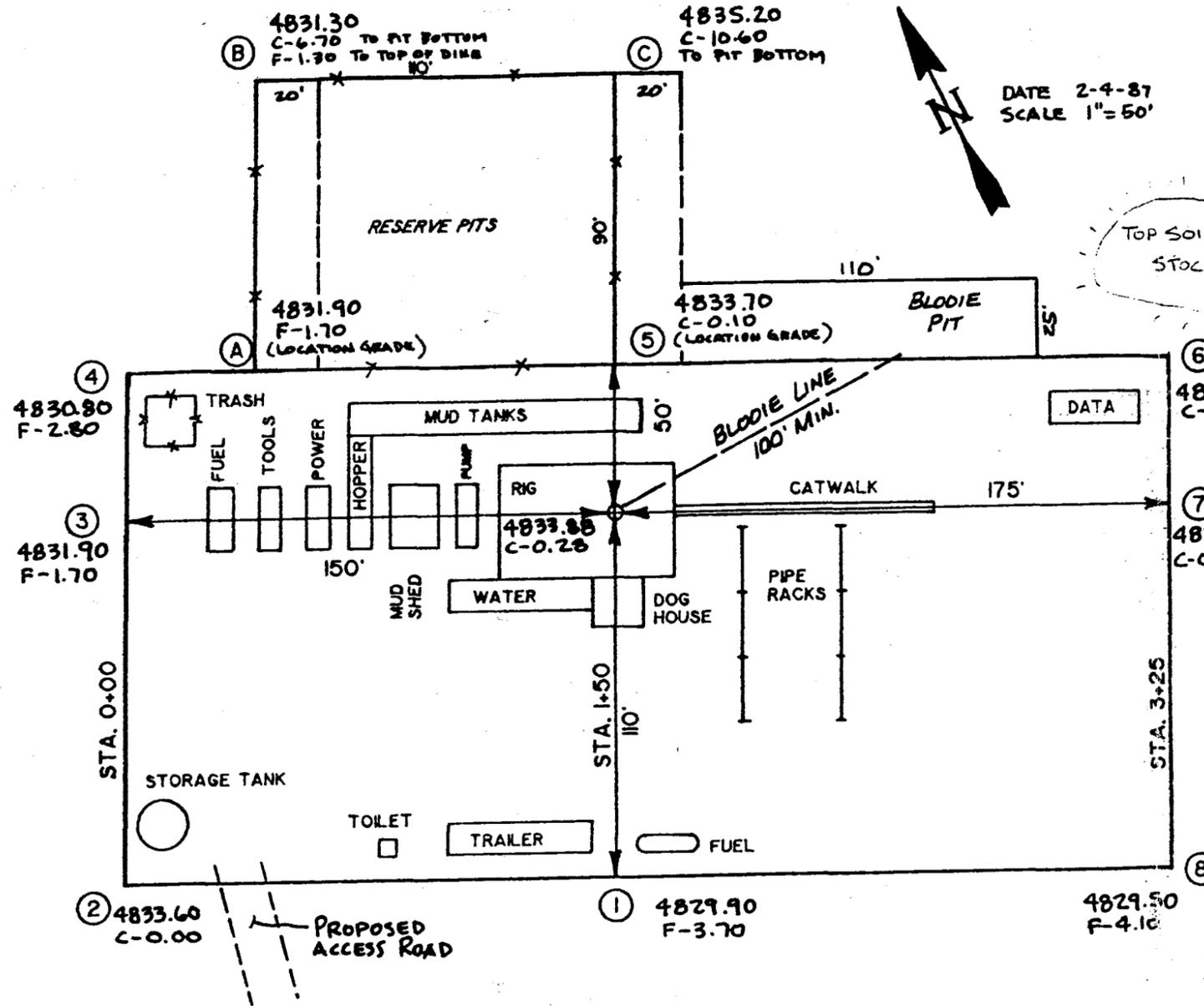
SCALE 1" = 2000'



COASTAL OIL & GAS CORP.

C.I.G.E. 104 D

SHIFT PIT 20' EASTWARD



APPROXIMATE YARDAGES

CU. YDS. CUT	2627.44
CU. YDS. FILL	1699.74
UNBALANCE AFTER 20% COMPACTION	587.75 CU. YDS. CUT

JST

COASTAL OIL AND GAS CORPORATION

C.I.G.E. #104 D

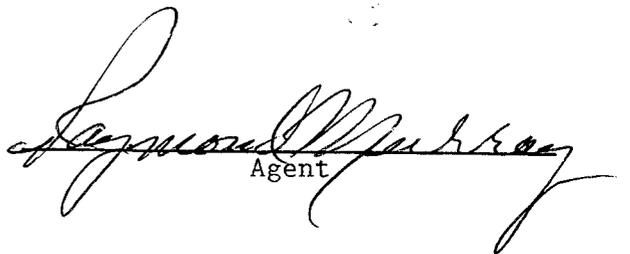
RE: Natural Buttes Unit
Uintah County, Utah

Our Drilling Program is as follows:

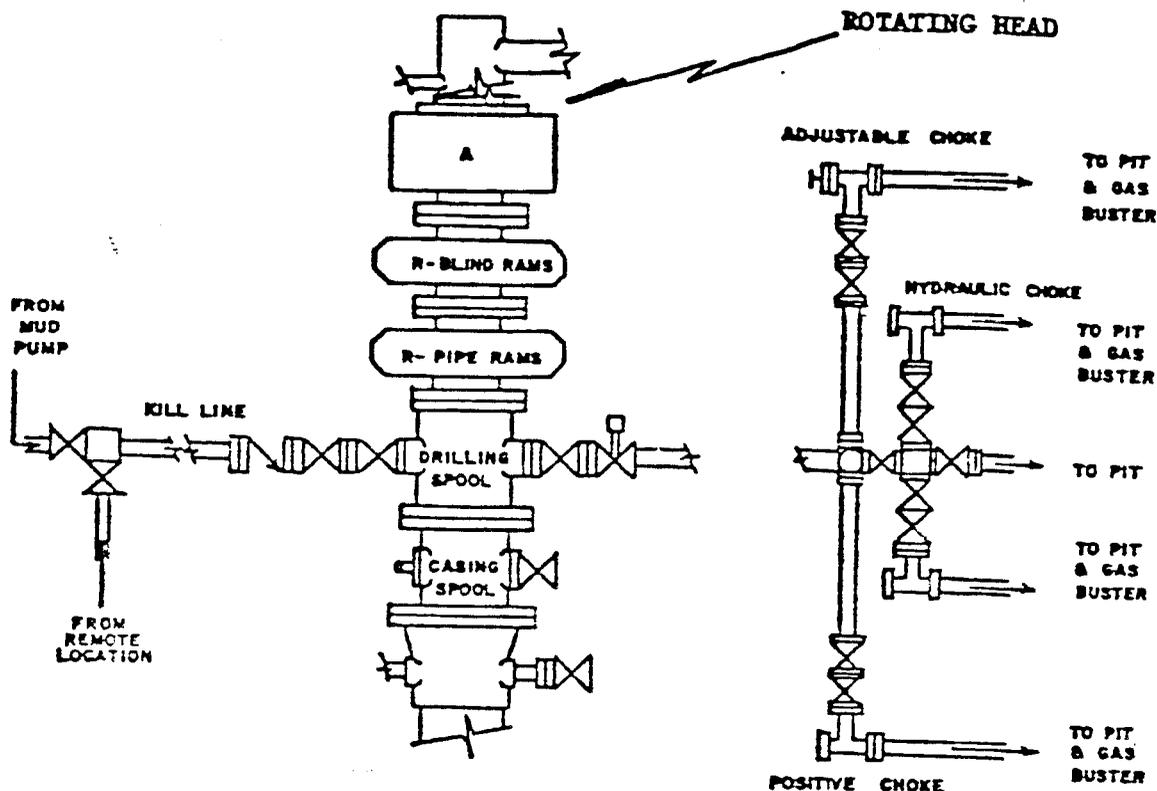
1. Drill 12-14" surface hole to 250' with air, with rat hole rig.
2. Run 8-5/8" surface casing to 250' and cement to surface with 125 sacks regular cement with 2% CaCl.
3. Move in rotary drilling rig and drill 7-7/8" hole to TD using water and air as the circulating fluid.
4. Mud up at TD with gel mud with weight of 9.0 lb/gal, VIS 40, WL 7.
5. Run electric logs: DIL w/Caliper from 250' to TD, and FDC-CNL from 1500' to TD.
6. Run 5-1/2" OD, 17 lb., J-55, 8rd thd, ST&C from TD to 0'.
7. Cement to surface with 700 sacks 50/50 Pozmix cement with additives.
8. Move out drilling rig.
9. Move in completion rig.
10. Run cased hole logs.
11. Perforate selected zones.
12. Run 2-3/8", EUE, 4.7 lb., J-55, 8rd tubing.
13. Sand frac with 40,000 lbs sand and water.
14. Swab in and put on production.

The bottom hole pressure for C.I.G.E. #104 D will be 2900.

7/30/87
Date


Agent

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.

COSTAL OIL & GAS CORPORATION

13 Point Surface Use Plan

for

Well Location

C. I. G. E. #104D-16-9-21

Located In

Section 16, 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 C. I. G. E. #104D-16-9-21 located in the NE/SW Section 16, T9S, R21E, S. L. B. & M., Uintah County, Utah. (See data sheet.)

The road from Vernal, Utah is an asphalt road maintained by State road crews. The Seep Ridge Road is a native asphalt road maintained by county road crews. The Oilfield Service road will be maintained by Coastal Oil & Gas Corporation and consists of some gravel and mostly dirt surface from native materials.

There is no anticipated construction on any portion of the existing roads previously mentioned. It is anticipated the existing roads will adequately facilitate the orderly flow of traffic during the drilling, completion, and production phase.

2. PLANNED ACCESS ROAD

See Topographic Map "B".

The proposed access road leaves the existing road described in Item #1 in the NE/SW of Section 16, T9S, R21E, S. L. B. & M. and proceeds in a North-easterly direction .23 miles to the proposed location site. The grade along this road will be relatively level with the maximum grade not exceeding 8%. The vegetation along this road consists of sagebrush and grasses with large areas devoid of any vegetation.

The surface ownership of the proposed access road is Ute Tribally owned consisting of a 30 foot right-of-way with it on 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 normal water run off conditions.

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 the commencement of construction and constructed from native materials accumulated during construction. No turnouts are anticipated along the proposed access road and all traffic will be confined to the access road.

No culverts, gates or cattleguards are anticipated for the proposed access road.

All access road and surfacing disturbing will conform to standards outlined in the U.S.G.S. Publication (1978). Surface operating standards for oil and gas development.

3. EXISTING WELLS

There are approximately 6 existing producing gas wells within a one mile

radius of the proposed location. See Topographic Map "B" for these wells and there location relative to the proposed location.

There are no water wells, abandoned wells, temporarily abandoned wells, disposal wells, drilling wells, shut-in wells, injection wells, monitoring or observation wells located within a one mile radius of the proposed location.

4. LOCATION OF EXISTING AND PROPOSED FACILITIES

Currently Coastal Oil and Gas Corporation has 5 producing gas wells and one proposed well (C. I. G. E. #11D, Sec. 21, T9S, R21E) (See Topographic Map "B").

- A. On well pad; see attached well site layout schematic.
- B. Off well pad: In the event gas production is established an 18' gas pipeline right-of-way will be necessary to connect the proposed location to the existing gas gathering lines in the area. Detailed plans for this gas connection line will be submitted to the appropriate agencies before construction begins.

All facilities will be painted a flat, non-reflective, earthtone color to match the approved color of "Carlsbad Canyon 2.5Y 6/2."

All areas used to contain these production facilities will be built out of existing native materials accumulated during construction. No special construction materials are anticipated to be required.

5. LOCATION AND TYPE OF WATER SUPPLY

Water to be used for drilling and production of this well will be hauled by truck. (See data sheet.)

6. SOURCE OF CONSTRUCTION MATERIALS

All construction material for this location and access road will 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 private services will be secured. The native materials that will be used in the construction of this location site and access road will consist of a sandy-clay soil, sandstone and shale materials gathered in actual construction of the road and location.

7. METHODS OF HANDLING WASTE DISPOSAL

See Location Layout Sheet.

A reserve pit shall be constructed and lined with native clays.

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

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 material such as cuttings, salts, drilling fluids, chemicals, produced fluids, etc. Coastal will provide the BLM a chemical analysis prior to 90 days after well completion to determine the final method of reserve pit reclamation.

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

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

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

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

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

A portable chemical toilet will be supplied for human waste.

8. ANCILLARY FACILITIES

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

9. WELL SITE LAYOUT

See attached location layout sheet.

The B. I. A. Representative shall be notified before any construction begins on the proposed location site and road.

As mentioned in Item #7, the pits will be lined with native clays or with a gel or any other type of material necessary to make it safe and tight.

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

10. PLANS FOR RESTORATION OF SURFACE

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

Any drainages re-routed during the construction activities shall be restored to their original line of flow as near as possible. Fences around

pits are to be removed upon completion of drilling activities and all waste being contained in the trash basket shall be hauled to the nearest sanitary landfill.

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

When restoration activities have been completed, the location site and access ramp shall be reseeded with a seed mixture recommended by the 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 Items #7 and #10.

11. SURFACE OWNERSHIP

The surface is owned by the Ute Indian Tribe with the State of Utah owning the surface minerals ML-3141 for all the lands crossed by roads which are to be upgraded or constructed.

12. OTHER INFORMATION

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

The area is a large basin formed by the Uintah Mountains to the North and the Book Cliff Mountains to the South. The White River is located approximately 6.0 miles to the North of the location site.

The majority of the washes and streams in the area are non-perennial in nature with the only ones in the area having a year round flow being the White River and Green River to the North and Willow Creek to the West, 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. #104D is located on a relatively flat area approximately 3 miles South of the White River a perennial river which drains to the West into the Green 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 through this location site from the Southwest through the site to the Northeast at approximately a 3% grade.

The location is covered with some sagebrush and grasses.

The total surface ownership affected by this location is administered by the B. I. A. .

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

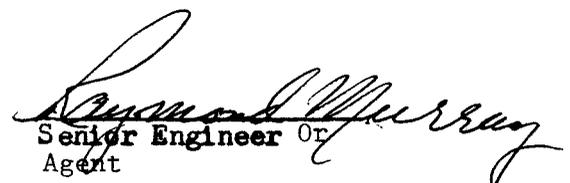
There are no visible archaeological, historical, or cultural sites within any reasonable proximity of the proposed location site. (See Topographic Map "B".)

12. LESSEE'S OR OPERATOR'S REPRESENTATIVE AND CERTIFICATION

COASTAL OIL & GAS CORPORATION
P. O. BOX 749
DENVER, COLORADO 80201

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.

7/28/87
Date


Senior Engineer Or
Agent

REQUEST FOR STAKING & PERMITTING

To: Harold Aab

From: Wendell Cole Dept.: Exploitation Date: 1/19/87

Supervisor's Approval: *Billy S. Pickett* Date: 1/26/87

PROSPECT: Natural Buttes
Well Name & No.: CIGE #104D-16-9-21
Quadrant Location: NE/SW
Footage Location: 1980 FSL & 1980 FWL
Section: 16 Township: 9S Range: 21E
County: Uintah State: Utah
Proposed Depth: 6650 FM: Wasatch
Est. Spud Date: Late 1987

Distance to nearest Lease line: 1980

Distance to nearest well, same reservoir: 1300' SW
Operator: CIGE
Name & No.: #19-16-8-21

Spacing Unit Information:
(Distance allowed from section lines, unit boundaries, other wells, etc.)

Number acres in spacing unit: 80

Number acres in lease: 280

Surface Owner: Ute Indian Tribe

Mineral Owner: State of Utah ML-3141 (10122)

REMARKS:

No GR rights

STATE OF UTAH
DIVISION OF OIL, GAS & MINING
DRILLING LOCATION ASSESSMENT

OPERATOR: Coastal Oil & Gas Corp. WELL NAME: C.I.G.E. 104 D
QTR/QTR: nesw SECTION: 16 TWP: 9 South RANGE: 21 East
COUNTY: Uintah FIELD: Natural Buttes 2104' FW L: 2022' FS L
SFC OWNER: State of Utah LEASE #: _____
INSPECTOR: Carol Kubly TIME & DATE: 11:00 a.m., 2 April 87

PARTICIPANTS: Ray Murray - Coastal REP., Larry Tavegia - Coastal, Brad Weber - Uintah Engr., Ric Hauck - AERC, Harley Jackson - Skewes & Hamilton, Greg Darlington & Keith Chapman - BLM, Lynn Hall - BIA.

I. REGIONAL SETTING/TOPOGRAPHY

Colorado Plateau, Uintah Basin, Natural Buttes.

II. LAND USE

A. CURRENT SURFACE USE:

Open Range - horse grazing

B. PROPOSED SURFACE DISTURBANCE:

325' x 250'. .23 mile for access road.

C. AFFECTED FLOODPLAINS AND/OR WETLANDS:

Not Applicable

D. FLORA/FAUNA:

Saltbrush, shadscale, rabbit brush, cheat grass. - sparsely vegetated.

Couple ant hills, lizards.

III. ENVIRONMENTAL PARAMETERS

A. GEOLOGY:

1. SURFACE FORMATION & CHARACTERISTICS

Uintah formation - medium to dark brown varnished shale cobbles.

2. SUBSURFACE GEOLOGY

a. OBJECTIVES/DEPTH

Wasatch formation - sand and shale zone roughly at 7000'

b. ABNORMAL PRESSURES/LOST CIRCULATION ZONES

Lost circulation zones of fractured rock throughout interval of drilling. Also, several water flow zones of undetermined depth.

B. SOILS:

1. SOIL CHARACTERISTICS

Light to medium brown silty to clayey sand w/ abundant cobbles of Uintah fm.

2. EROSION/SEDIMENTATION/STABILITY

All will be at a minimum

C. WATER RESOURCES/DRAINAGES:

One small intermittent drainage across location to be rerouted around well pad by ditch method - very minor.

D. CULTURAL RESOURCES/ARCHAEOLOGY:

Cultural clearance given 2 April 87 by Ric Hauck -AERC. - Bountiful, UT.

E. ADEQUACY OF RESTORATION PLANS:

Adequate

IV. RESERVE PIT

A. CHARACTERISTICS:

90' x 110' x 8' for reserve pit. Blooie pit to be 25' x 150' and will drain into reserve pit.

B. LINING:

no linings needed.

C. MUD PROGRAM:

drilling to be done w/ air/water due to lost circulation zones.

V. OTHER OBSERVATIONS

Pictures on file in Vernal, UT.

VI. STIPULATIONS FOR APD APPROVAL

None needed - all changes will be made prior to filing.

VII. ATTACHMENTS

1. PHOTOGRAPHS

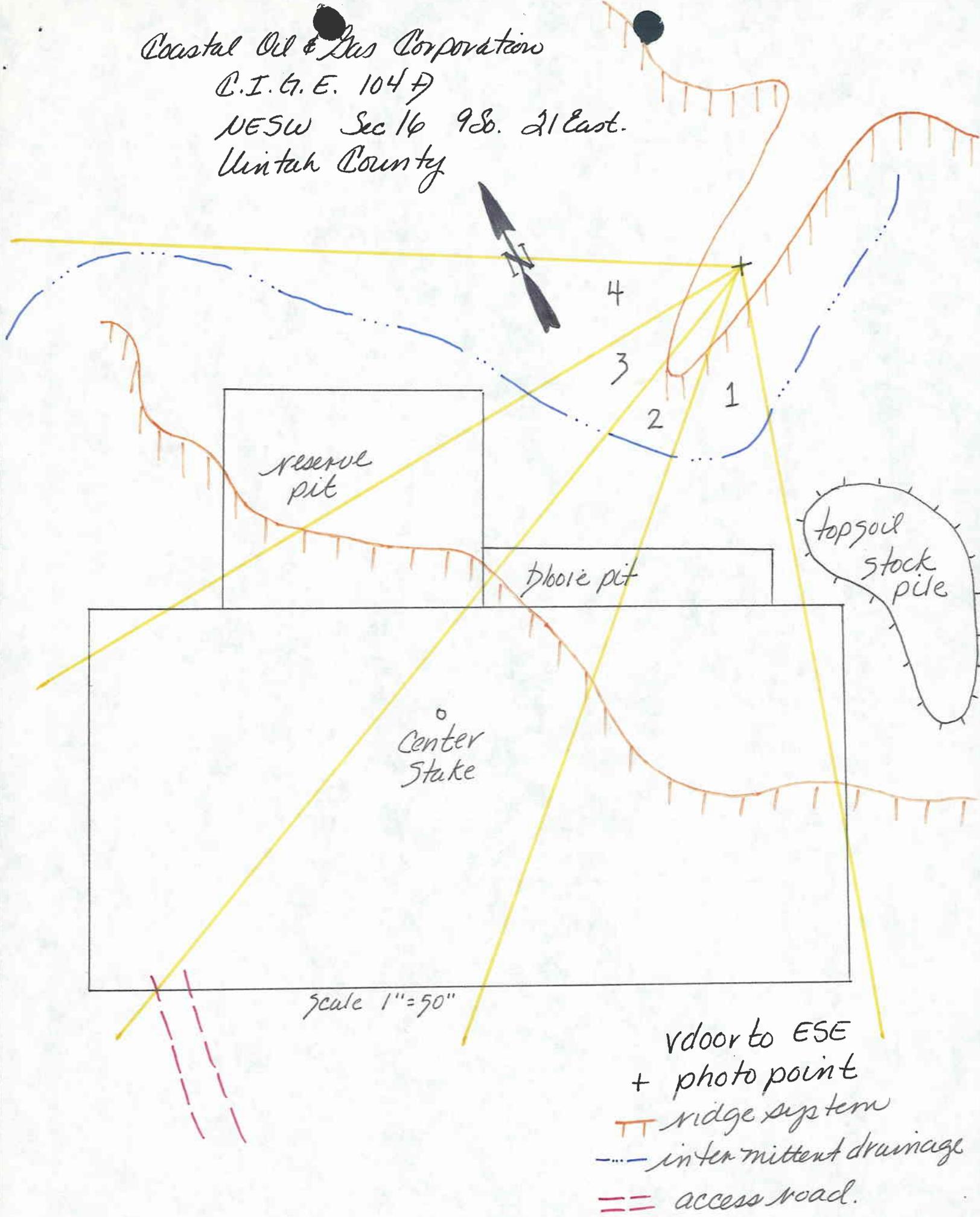
2. DRILLING LOCATION AND ASSOCIATED FEATURES

Coastal Oil & Gas Corporation

C.I.G.E. 1047

NESW Sec 16 9So. 21East.

Uintah County



091406

OPERATOR Coastal Oil & Gas Corp. DATE 8-21-87

WELL NAME G. I. G.E. 104D-16-9-21

SEC NESW 16 T 9S R 21E COUNTY Montal

43-047-31812
API NUMBER

State
TYPE OF LEASE

CHECK OFF:

PLAT

BOND

NEAREST WELL

LEASE

FIELD

POTASH OR OIL SHALE

PROCESSING COMMENTS:

Unit well - approve POD 9/3/87

Need water permit

APPROVAL LETTER:

SPACING: R615-2-3 Natural Bisties
UNIT

R615-3-2

CAUSE NO. & DATE

R615-3-3

STIPULATIONS:

1- Water

2- Oil Shale



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

September 10, 1987

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

Gentlemen:

Re: Natural Buttes Unit 104D-16-9-21 - NE SW Sec. 16, T. 9S, R. 21E
2022' FSL, 2104' FWL - Uintah County, Utah

Approval to drill the referenced well is hereby granted in accordance with Section 40-6-18, Utah Code Annotated, as amended 1983; and predicated on Rule R615-2-3, Oil and Gas Conservation General Rules, subject to the following stipulations:

1. Prior to commencement of drilling, receipt by the Division of evidence providing assurance of an adequate and approved supply of water as required by Chapter 3, Title 73, Utah Code Annotated.
2. Special attention is directed to compliance with Rule R615-3-34, which prescribes drilling procedures for designated oil shale areas.

In addition, the following actions are necessary to fully comply with this approval:

1. Spudding notification to the Division within 24 hours after drilling operations commence.
2. Submittal of an Entity Action Form to the Division within five working days of the time that the well is spudded or a change in operations or interests necessitates a change in entity status.
3. Submittal to the Division of completed Form OGC-8-X, Report of Water Encountered During Drilling.

Page 2

Coastal Oil & Gas Corporation

Natural Buttes 104D-16-9-21

September 10, 1987

4. Prompt notification to the Division should you determine that it is necessary to plug and abandon this well. Notify John R. Baza, Petroleum Engineer, (Office) (801) 538-5340, (Home) 298-7695, or R. J. Firth, Associate Director, (Home) 571-6068.
5. Compliance with the requirements of Rule R615-3-22, Gas Flaring or Venting, Oil and Gas Conservation General Rules.
6. Prior to commencement of the proposed drilling operations, plans for toilet facilities and the disposal of sanitary waste at the drill site shall be submitted to the local health department having jurisdiction. Any such drilling operations and any subsequent well operations must be conducted in accordance with applicable state and local health department regulations. A list of all local health departments and copies of applicable regulations are available from the Division of Environmental Health, Bureau of General Sanitation, telephone (801) 538-6121.
7. This approval shall expire one (1) year after date of issuance unless substantial and continuous operation is underway or an application for an extension is made prior to the approval expiration date.

The API number assigned to this well is 43-047-31812.

Sincerely,



R. J. Firth
Associate Director, Oil & Gas

as

Enclosures

cc: State Lands & Forestry
Branch of Fluid Minerals
D. R. Nielson

8159T

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

RECEIVED
DEC 21 1987
DIVISION OF OIL, GAS & MINING

5. LEASE DESIGNATION AND SERIAL NO.
Utah ML-3141 *Dr.*

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
N/A 122812

7. UNIT AGREEMENT NAME
Natural Buttes

8. FARM OR LEASE NAME
C.I.G.E.

9. WELL NO.
104D-16-9-21

10. FIELD AND POOL, OR WILDCAT
Natural Buttes

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec. 16, T9S, R21E

12. COUNTY OR PARISH
Uintah

13. STATE
Utah

16. NO. OF ACRES IN LEASE
280

17. NO. OF ACRES ASSIGNED TO THIS WELL
80

19. PROPOSED DEPTH
6650 Wasatch

20. ROTARY OR CABLE TOOLS
Rotary

22. APPROX. DATE WORK WILL START*
Dec. 1, 1987

2. NAME OF OPERATOR
COASTAL OIL & GAS CORPORATION

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

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*
 At surface 1980' FSL/1980' FWL NE 1/4 SW 1/4 Sec. 16, T9S, R21E
 At proposed prod. zone Same

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
Approximately 10.6 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) 1980'

18. DISTANCE FROM PROPOSED LOCATION TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 1300'

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
4834 Ground

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/4"	8 5/8"	24#	250'	125 Sacks
7 7/8"	5 1/2"	17#	6650"	Circulate to surface est. 620 sacks.

All fresh water aquifers will be protected when the production casing is run and cemented to surface. Please see attached supplemental information.

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 *Raymond Murray* TITLE Agent DATE 7/28/87

Jul 1987

PERMIT NO. _____ APPROVAL DATE _____
 ACCEPTED BY DLM FOR ASSISTANT DISTRICT
 APPROVED BY _____ TITLE MANAGER MINERALS DATE 10-15-1987
 CONDITIONS OF APPROVAL, IF ANY: PURPOSES ONLY

*See Instructions On Reverse Side

UNITED STATES GOVERNMENT
memorandum

DATE: December 7, 1987

REPLY TO
ATTN OF: Superintendent, Uintah and Ouray Agency

SUBJECT: Concurrence for Permit to Drill Various Wells Located on Tribal Surface

TO: District Manager, Bureau of Land Management

Wells - #110D, #104D #111D, NBU #89 and NBU #90, Coastal Oil & Gas/ANR, P.O. Box 749, Denver, Colorado 80201-0749, Wellsites and Access Road ROW, in Sections 16, 18, 21 and 23, Township 9 South., Range 21 East, and Section 19, Township 9 South., Range 22 East, Uintah County, Utah,

We (concur with ~~or~~, ~~recommend~~) approval of the Application for Permit to Drill subject wells described above.

Based on available information on April 2, 1987, we have cleared the proposed location in the following areas of environmental impact.

YES NO Listed Threatened or Endangered Species

YES NO Critical Wildlife Habitat

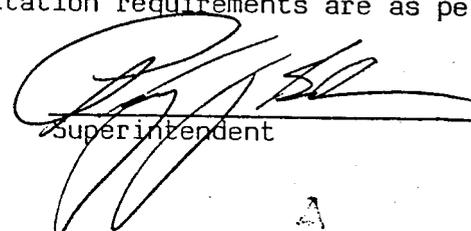
YES NO Archaeological or Cultural Resources

YES NO Air Quality Aspects (to be used only if project is in or adjacent to a class 1 area of attainment)

YES NO Other (if necessary)

REMARKS: All activities during drilling and after completion be confined to the right-of-way.

The necessary surface protection and rehabilitation requirements are as per approved APD.


Superintendent

DEC 1987
RECEIVED
Vernal, Utah

OPTIONAL FORM NO. 10
(REV. 1-80)
GSA FPMR (41 CFR) 101-11.6
5010-114

FILING FOR WATER IN THE STATE OF UTAH

Rec. by gff
 Fee Rec. 30.00
 Receipt # 23038

APPLICATION TO APPROPRIATE WATER

Microfilmed _____

Roll 102704

TEMPORARY

For the purpose of acquiring the right to use a portion of the unappropriated water of the State of Utah, application is hereby made to the State Engineer, based upon the following showing of facts, submitted in accordance with the requirements of the Laws of Utah.

RECEIVED

43-047-31810

SEP 24 1987

gff

Dalg

WATER USER CLAIM NO. 49 - 1433

**WATER RIGHTS
SALT LAKE**

APPLICATION NO. T62810

1. PRIORITY OF RIGHT: September 1, 1987

FILING DATE: September 1, 1987

2. OWNER INFORMATION

Name: Coastal Oil and Gas Corporation
 Address: 600 17th Street, Suite 800S, P.O. Box 749, Denver, CO 80201-0749
 The land is not owned by the applicant(s), see explanatory.

3. QUANTITY OF WATER: 10.0 acre feet (Ac. Ft.)

4. SOURCE: White River **DRAINAGE:** SE Uinta Basin

POINT(S) OF DIVERSION: **COUNTY:** Uintah

- (1) S. 1600 feet, E. 2150 feet, from the NW Corner of Section 1,
 Township 9 S, Range 20 E, SLB&M
 Description of Diverting Works: Pump from river to tank trucks
- (2) S. 1800 feet, W. 1200 feet, from the NE Corner of Section 17,
 Township 9 S, Range 22 E, SLB&M
 Description of Diverting Works: Pump from river to tank trucks

COMMON DESCRIPTION:

5. NATURE AND PERIOD OF USE

Oil Exploration From January 1 to December 31.

6. PURPOSE AND EXTENT OF USE

Oil Exploratio: Oil well drilling and completion.
 Water to be used in the drilling and completion of oil wells **CIGE #104D**,
 NBU#89, CIGE #111D, CIGE #110D and CIGE #90.
 Water to be used from January 1, 1988 to December 31, 1988.

7. PLACE OF USE

The water is used in all or parts of each of the following legal subdivisions.

TOWN RANGE SEC	North East Quarter				North West Quarter				South West Quarter				South East Quarter			
	NE $\frac{1}{4}$	NW $\frac{1}{4}$	SW $\frac{1}{4}$	SE $\frac{1}{4}$	NE $\frac{1}{4}$	NW $\frac{1}{4}$	SW $\frac{1}{4}$	SE $\frac{1}{4}$	NE $\frac{1}{4}$	NW $\frac{1}{4}$	SW $\frac{1}{4}$	SE $\frac{1}{4}$	NE $\frac{1}{4}$	NW $\frac{1}{4}$	SW $\frac{1}{4}$	SE $\frac{1}{4}$
9 S 21 E 16	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
9 S 21 E 18	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
9 S 21 E 19	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
9 S 21 E 21	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
9 S 21 E 23	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X

All locations in Salt Lake Base and Meridian

EXPLANATORY

Appropriate

Land leased for oil well exploration, drilling and completion.

The applicant hereby acknowledges he/they are a citizen(s) of the United States or intends to become such a citizen.

The quantity of water sought to be appropriated is limited to that which can be beneficially used for the purpose herein described.

The undersigned hereby acknowledges that even though he/they may have been assisted in the preparation of the above-numbered application through the courtesy of the employees of the Division of Water Rights, all responsibility for the accuracy of the information contained therein, at the time of filing, rests with the applicant(s).

Raymond M. Perry
Signature of Applicant

STATE ENGINEER'S ENDORSEMENT

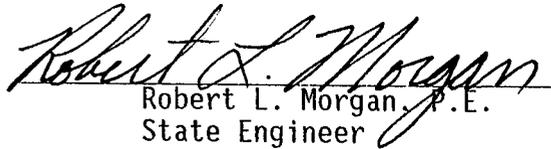
WATER RIGHT NUMBER: 49 - 1433

APPLICATION NO. T62810

1. September 1, 1987 Application received by TNB.
 2. September 22, 1987 Application designated for APPROVAL by RWL and KLJ.
 3. Comments:
-
-

Conditions:

This application is hereby APPROVED, dated October 14, 1987, subject to prior rights and this application will expire on October 14, 1988.


Robert L. Morgan, P.E.
State Engineer

**UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT**

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

Form approved.
Budget Bureau No. 1004-0135
Expires August 31, 1985

SUNDRY NOTICES AND REPORTS ON WELLS
(Do not use this form for proposals to drill or to deepen or plug back an existing well. Use "APPLICATION FOR PERMIT—" for such proposals.)

RECEIVED
AUG 23 1988

1. <input type="checkbox"/> OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER		5. LEASE DESIGNATION AND SERIAL NO. Utah ML-3141
2. NAME OF OPERATOR C.I.G. Exploration		6. IF INDIAN, ALLOTTEE OR TRIBE NAME N/A
3. ADDRESS OF OPERATOR P.O. Box 749, Denver, Colorado 80201-0749		7. UNIT AGREEMENT NAME Natural Buttes
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 2022' FSL & 2104 FWL (NESW)		8. FARM OR LEASE NAME C.I.G.E.
14. PERMIT NO. 43-047-31812		9. WELL NO. 104D-16-9-21
15. ELEVATIONS (Show whether BV, ST, GR, etc.) 4834' Ground		10. FIELD AND POOL, OR WILDCAT Natural Buttes
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Section 16, T9S-R21E
		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) _____	
(Other) <input type="checkbox"/> APD Extension	<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.)*

C.I.G. Exploration hereby requests a one year extension on the Application for Permit to Drill for the above-referenced well.

18. I hereby certify that the foregoing is true and correct
 SIGNED Eileen Danni Dey TITLE Regulatory Analyst DATE August 19, 1988
 (This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____
 OF UTAH DIVISION OF OIL, GAS, AND MINING
 DATE: 8-24-88
 *See Instructions on Reverse Side



State of Utah

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

Norman H. Bangertter

Governor

Dee C. Hansen

Executive Director

Dianne R. Nielson, Ph.D.

Division Director

355 West North Temple

3 Triad Center, Suite 350

Salt Lake City, Utah 84180-1203

801-538-5340

February 1, 1990

Coastal Oil and Gas Corporation
P.O. Box 749
Denver, Colorado 80201-0749

Gentlemen:

Re: Natural Buttes Unit 104D-16-9-21, Sec. 16, T. 9S, R. 21E, Uintah County, Utah
API No. 43-047-31812

Due to excessive time delay in commencing drilling operations, approval to drill the subject well is hereby rescinded, effective immediately.

Please note that a new Application for Permit to Drill must be filed with this office for approval prior to the commencement of any future work on the subject location.

If any previously unreported operations have been performed on this well location, it is imperative that you notify the Division of Oil, Gas and Mining immediately.

Sincerely,

Don T. Staley
Administrative Supervisor
Oil and Gas

TAS/lhc

cc: D.R. Nielson

R.J. Firth

Well file

HOI2/17