

UTAH OIL AND GAS CONSERVATION COMMISSION

REMARKS: FWLL LOG _____ ELECTRIC LOGS _____ FILE WATER SANDS _____ LOCATION INSPECTED oil SUB. REPORT/abd _____

DATE FILED 2-20-81

LAND: FEE & PATENTED FED. STATE LEASE NO.

PUBLIC LEASE NO. U-0577

INDIAN

DRILLING APPROVED: 12-29-81

SPUDED IN:

COMPLETED: _____ PUT TO PRODUCING: _____

INITIAL PRODUCTION:

GRAVITY A.P.I.

GOR:

PRODUCING ZONES:

TOTAL DEPTH:

WELL ELEVATION: 4841' GR

DATE ABANDONED: 5-12-82 LOCATION ABANDONED, WELL NEVER DRILLED

FIELD: Natural Butte Field 3/86

UNIT:

COUNTY: Uintah

WELL NO. Natural Duck 3-22-9-20 GR

API NO. 43-047-30924

LOCATION 854' FT. FROM (N) LINE.

1738'

FT. FROM (E) LINE.

NW NE

1/4 - 1/4 SEC. 22

TWP.	RGE.	SEC.	OPERATOR	TWP.	RGE.	SEC.	OPERATOR
<u>9S</u>	<u>20E</u>	<u>22</u>	<u>COASTAL OIL & GAS CORP.</u>				

DUPLICATE

SUBMIT IN TRIPLICATE*
(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 854' FNL / 1738' FEL (NW NE)
 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) 418'

16. NO. OF ACRES IN LEASE 440

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. N/A

19. PROPOSED DEPTH 5300' (Green River)

20. ROTARY OR CABLE TOOLS Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.) 4841' Ungr. Gr.

22. APPROX. DATE WORK WILL START* March 31, 1981

5. LEASE DESIGNATION AND SERIAL NO.
 U-0577

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
 Ute Tribe Surface

7. UNIT AGREEMENT NAME
 N/A

8. FARM OR LEASE NAME
 Natural Duck

9. WELL NO.
 COG 3-22-9-20 GR

10. FIELD AND POOL, OR WILDCAT
 Natural Duck Field

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
 Section 22-T9S-R20E

12. COUNTY OR PARISH
 Uintah

13. STATE
 Utah

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12-1/4"	9-5/8"	36#	200'	125 sacks
8-3/4", 7-7/8"	4-1/2"	11.6#	5300'	Sufficient cement to cover 200' above the uppermost hydrocarbon zone to protect the oil shale.

Please see attached supplemental information:

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

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 E. W. Heiser TITLE Drilling Manager DATE February 17, 1981

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY W. J. Montus TITLE FOR E. W. GUYNN DATE APR 17 1981
 DISTRICT ENGINEER

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

NOTICE OF APPROVAL

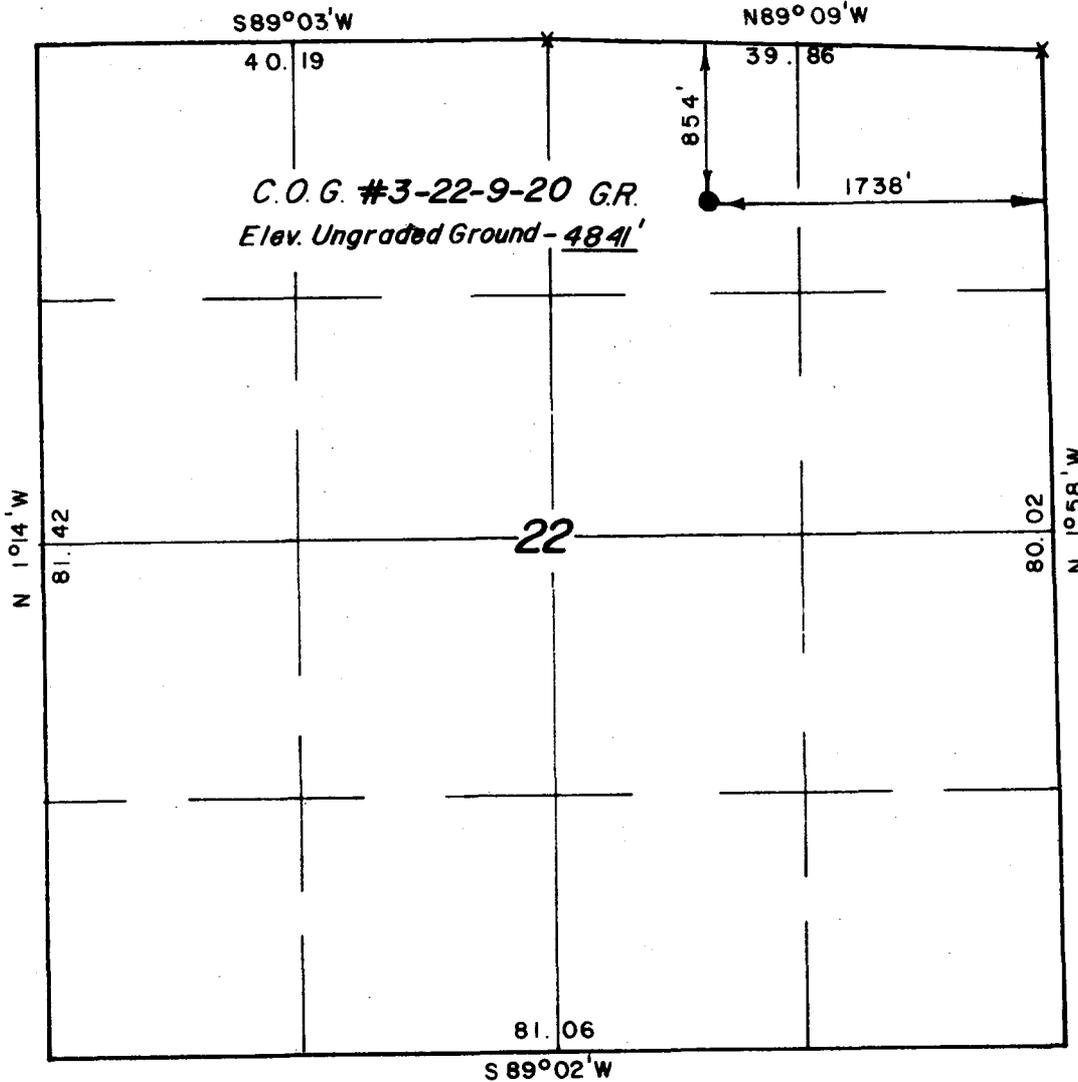
Utah State 046

PROJECT

COASTAL OIL & GAS CORP.

Well location, C.O.G.#3-22-9-20 GR.,
located as shown in the NW1/4 NE1/4
Section 22, T9S, R20E, S.L.B. & M.
Uintah County, Utah.

T9S, R20E, S.L.B. & M.



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 J. ...
 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 12/12/80
PARTY LT, TJ. DD	REFERENCES GLO PLAT
WEATHER CLEAR & COLD	FILE COASTAL

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 & Gas Corporation

Project Type Oil Well Development - Natural Buttes

Project Location 854' FNL 1738' FEL Section 22, T. 9S, R. 20E.

Well No. 3-22 Lease No. U-0577

Date Project Submitted February 20, 1981

FIELD INSPECTION

Date April 1, 1981

Field Inspection
Participants

Craig Hansen USGS, Vernal

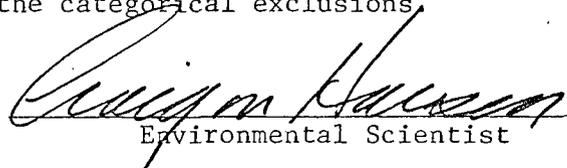
Lynn Hall BIA, Ft. Duchesne

Dempsey Day Coastal Oil & Gas

Related Environmental Documents: _____

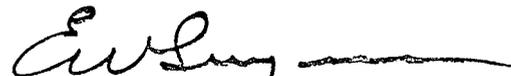
I have reviewed the proposal in accordance with the categorical exclusion review guidelines. This proposal would not involve any significant effects and, therefore, does not represent an exception to the categorical exclusions.

April 3, 1981
Date Prepared


Environmental Scientist

I concur

4/13/81
Date


District Supervisor

Typing In 4-3-81 Typing Out 4-3-81

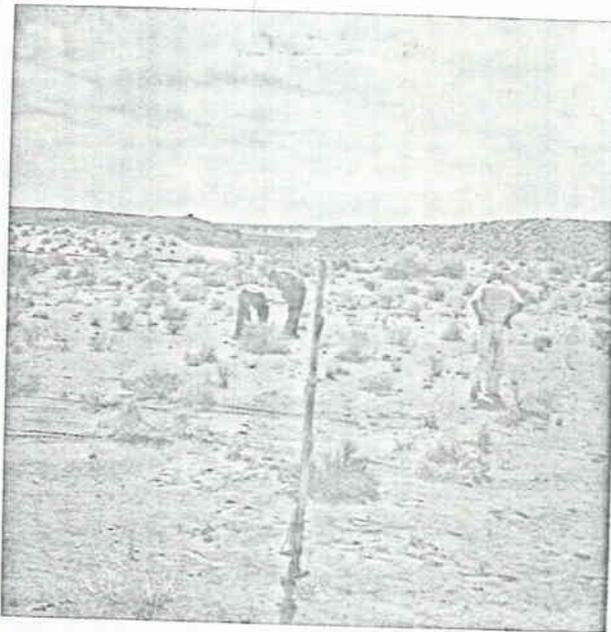
Rec 4/10

RECOMMENDED STIPULATIONS FOR COASTAL OIL & GAS #3-22

1. Adhere to standard BIA Surface Stipulations.
2. Pad and location will allow access through north and west edges of the location.
3. Production facilities will be painted a tan color to blend in with the natural surroundings.
4. Production flowlines will hook into existing line north of the location.
5. Topsoil will be placed on the west edge of the location and seeded to insure rehabilitation efforts.

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



COASTAL OIL FIELDS
3-20

South

Utah and Ouray Agency
Environmental Analysis and Negative Declaration

1. Description of Proposal:

Coastal Oil & Gas Corp. proposes to drill an Oil well # COG 3-22-9-20GR to a proposed depth of 5300 feet; to construct approximately 0.2 miles of new access road; and upgrade approximately 15 miles of existing access road. The well site is located approximately 15 miles SE of Ouray, Utah in the NWNE, Sec. 22, T. 9S, R. 20E SLB&M.

2. Description of the Environment:

The area is used for livestock grazing, wildlife and scenic value, and recently oil & Gas drilling and production activities. The topography is low rolling hills with shallow soils over bedrock. The vegetation consists of rabbit brush, shadscale, cheat grass, mustard, loco weed, Indian ricegrass, hallogeton, saltbush, bud sage. The area is used as wildlife habitat for X deer, X antelope, elk, bear, X small animals, pheasant X dove, sage grouse, ruffle grouse, blue grouse, bald eagle, golden eagle, other rabbit, coyote, small reptiles, magpie, raptors, desert sparrows. The climate is characterized by having cold snowy winters and warm dry summers. Temperatures range from -40°F during the winter to 105°F in the summer. The approximate annual precipitation is 6-8 inches. The elevation is 4841 feet.

3. Environmental Impacts:

During construction of the well dust and exhaust emissions will affect air quality. Soil and vegetation will be removed from 3.5 acres of land occupied by the well site and access road. The disturbance of the soil and removal of vegetation will:

- A. Destroy wildlife habitat for: X deer X antelope, elk, bear X small mammals, pheasant X dove, sage grouse, ruffle grouse, blue grouse X rabbit, X golden eagle, bald eagle, other small rodents, small reptiles.
- B. Remove from production X rangeland for livestock grazing, irrigated cropland, irrigated pastureland, prime timberland, pinion-juniper land.
- C. Result in the invasion of annual weeds and will cause accelerated soil erosion: During the construction and production of the well human activity in the area will increase significantly. This is expected to significantly increase: X poaching of wildlife, X disturbance of wildlife, X vandalism of property, X theft of firewood X litter accumulations, X livestock disturbance, X livestock thefts, X livestock loss to accidents, X increase the hazard to public health and safety. There is a high X moderate, slight possibility that pollution from this activity will enter a stream or lake.

Production facilities can easily be seen from a: community, major highway public facility.

4. Mitigating measures:

To lessen the impact on the environment the provisions stipulated in the letter to Mr. Ed W. Gwynn, District Engineer, U.S. Geological Survey, dated February 13, 1980 will be implemented. Additional stipulations and changes to the 11 point surface use plan are: (1) Obtain right-of-ways and permits from BIA Branch of Real Property Management. (2) Comply with USGS, BIA and Ute Tribal regulations and ordinances. (3) Compensate the surface owner for damages resulting from the operators activities. (4) Restore land surface by re-contouring and re-vegetating all disturbed areas.

FY: '81-56

LEASE NO. U-0577

WELL NO. COG 3-22-9-20-GR

5. Unavoidable adverse effects:

None of the adverse effects listed in item #3 above can be avoided in a practical manner except those which were mitigated in item #4 above.

6. Relationship between short term and longterm productivity:

As long as oil or gas wells are producing and the access roads are retained there will be a total loss of production on the land and the Environmental Impacts will continue to affect the surrounding area. Normally oil and gas wells produce from 15 to 30 years. After the wells stop producing it is standard policy to restore the surface to near its original condition. Occasionally the site occupied by the well or road can be restored to produce as much as it originally produced, but most of the time it can not be restored to its original productive capacity. Therefore, the land surface productive ability will be permanently damaged.

7. Irreversible and Irretrievable commitment of Natural Resources:

There are two irreversible and irretrievable resources commit in this action.

A. Oil or Gas: Oil and gas is a non-renewable resource. Once it has been removed it can never be replaced.

B. Damage to the land surface: There are three causes of damage to the soil surface due to oil or gas wells and road construction. (1) Gravel is normally hauled onto the site as a pad foundation for equipment and traffic to operate on. Gravel has low fertility and low waterholding capacity. Therefore, after the site is restored the gravel must either be removed, or incorporated into the natural landscape. (2) Chemicals are often either accidentally spilled or intentionally applied to the site for weed and dust control. Generally the chemicals are crude oil or production water, which may contain as much as 20,000 PPM of salts. Once chemicals become incorporated in the soil they are difficult to remove and interfere with the soils ability to produce vegetation. (3) Soil compaction occurs where the site is subject to stormy wet weather and traffic from heavy trucks and equipment. Each of the above items cause soil damage and after the site is restored the productive ability of the soil will be damaged permanently.

8. Alternatives:

A. No. program - This alternative refuses the authorization of the application for permit to drill. This action would not allow the operator to enter upon the land surface to drill for oil or gas. Because the minerals usually cannot be developed without encroachment on the surface, the mineral estate is normally and traditionally designated as dominant, and the surface ownership subservient. The mineral operator's conduct is generally prescribed only by the rule of reasonableness and the limitations that he is not permitted to act in a wanton or negligent manner. Within their confines, the operator has considerable latitude in the necessary use of the surface to produce and develop the mineral estate. Therefore if the application for permit is not signed, the operator would undoubtedly initiate court proceedings against the surface owner, in this case the Ute Tribe and the Bureau of Indian Affairs. Historically the courts have upheld the right of the mineral owner to develop the mineral resource regardless of the surface owners desire, therefore the operators rights will likely be upheld if B.I.A. refuses to sign the application for permit to drill this well.

B. Sign the application for permit to drill. This alternative authorizes the operator to drill for oil or gas as prescribed in the application, providing he complies with stipulations which are considered reasonable as specified in paragraph 4 above under mitigating measures.

9. Consultation:

Craig Hansen - USGS - Vernal, Utah

Joe Pinnecoose, Ute Tribe

Myron Accutoroop - Ute Tribe

No Operator Representative Present.

R. Lynn Hall 4-6-81
B.I.A. Representative

10. We (concur with or, recommend) approval of the Application for Permit to Drill the subject well.

Based on available information 4/1/81, we have cleared the proposed location in the following areas of environmental impacts:

Yes No Listed threatened or endangered species

Yes No Critical wildlife habitat

Yes No Historical or cultural resources

Yes No Air quality aspects (to be used only if project is in or adjacent to a Class I area of attainment)

Yes No Other (if necessary)

Remarks: _____

The necessary surface protection and rehabilitation requirements are specified above.

R. Lynn Hall 4-6-81
B.I.A. Representative

11. Declaration:

It has been determined that the drilling of the above well is not a Federal action significantly affecting the quality of the environment as would require the preparation of an environmental statement in accordance with Section 102 (2)(c) of the National Environmental Policy Act of 1969 (42 USC 4331) (2)(c).

R.W. Collins
Superintendent

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-0577OPERATOR: Coastal Oil and GasWELL NO. COG 3-22-9-20 CRLOCATION: SE 1/4 NW 1/4 NE 1/4 sec. 22, T. 9S, R. 20E, 51MUintah County, Utah

1. Stratigraphy:

Uintah surface
 Green River 1775'
 TD 5300'

2. Fresh Water:

Fresh water may be present in the Uintah.

3. Leasable Minerals:

Oil Shale: Green River. The Mahogany zone should occur at ~ 2650'.

Saline Minerals: Green River. These may occur in an 800' rock interval immediately overlying the Mahogany.

Oil: Green River

4. Additional Logs Needed: Adequate5. Potential Geologic Hazards: None expected

6. References and Remarks:

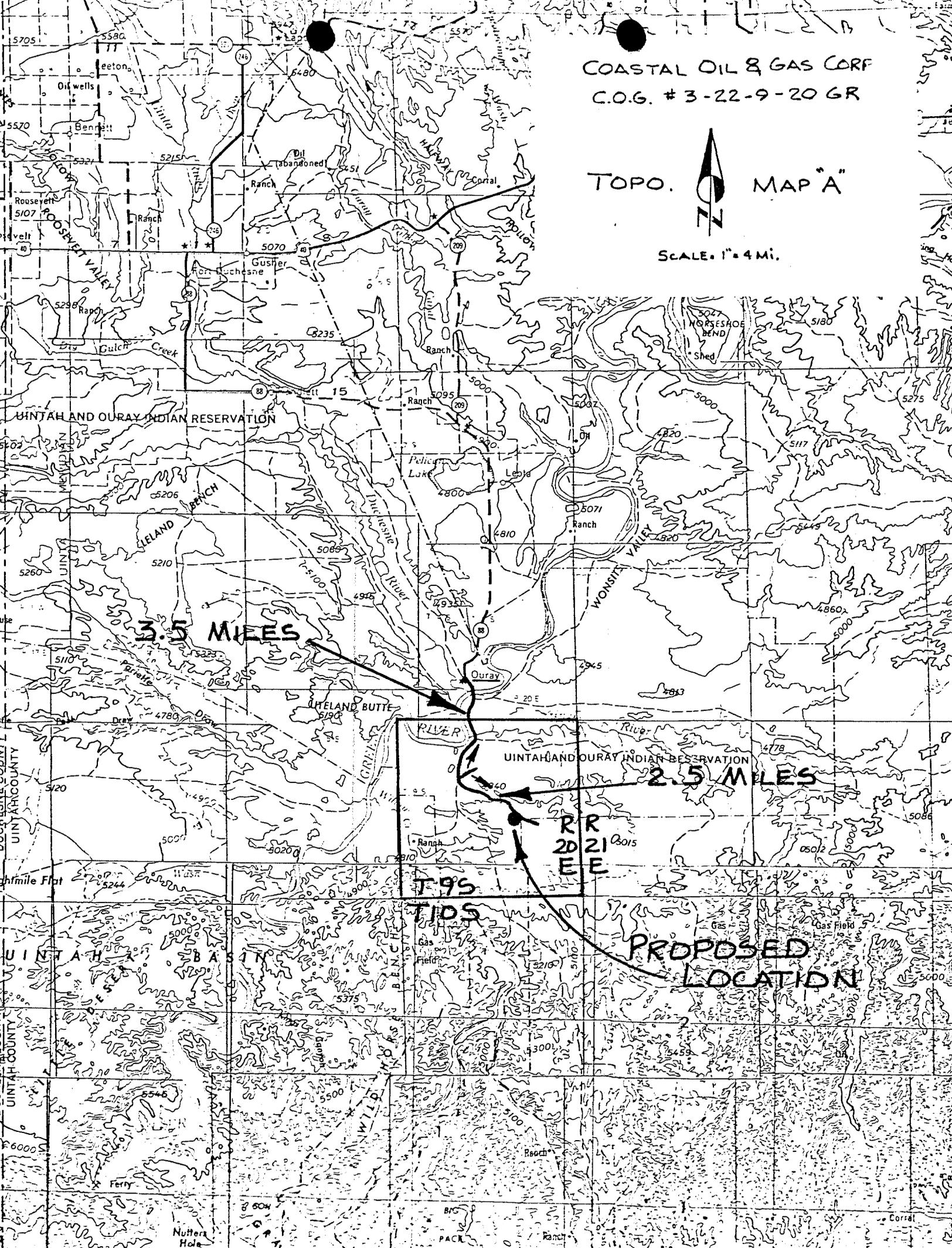
Signature: Gregory W. WoodDate: 3-13-81

COASTAL OIL & GAS CORP
C.O.G. # 3-22-9-20 GR

TOPO. MAP "A"



SCALE: 1" = 4 Mi.



3.5 MILES

2.5 MILES

RR
2021 E

T 9S
T 10S

PROPOSED
LOCATION

BLOWOUT PREVENTER PROGRAM:

Operator's 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.

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:

The well will be drilled with fresh water mud from surface to 4500' with a weight of 8.3 to 8.7 ppg. From 4500' to TD the well will be drilled with fresh water mud with a weight from 8.7 to 10.4 ppg.

Auxiliary equipment to be used:

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

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 854' FNL / 1738' FEL (NW NE)
 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) 418'

16. NO. OF ACRES IN LEASE 440

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. N/A

19. PROPOSED DEPTH 5300' (Green River)

20. ROTARY OR CABLE TOOLS Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.) 4841' Ungr. Gr.

22. APPROX. DATE WORK WILL START* March 31, 1981

5. LEASE DESIGNATION AND SERIAL NO.
 U-0577

6. INDIAN, ALLOTTEE OR TRIBE NAME
 Ute Tribe Surface

7. UNIT AGREEMENT NAME
 N/A

8. FARM OR LEASE NAME
 Natural Duck

9. WELL NO.
 3-28-9-20 GR

10. FIELD AND BLOCK OR CASCAT
 Natural Duck Field

11. SEC., T., R. M., OR BLK. AND SURVEY OR AREA
 Section 22-T9S-R20E

12. COUNTY OR PARISH 13. STATE
 Uintah Utah

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#	5300'	Sufficient cement to cover 200' above the uppermost hydrocarbon zone to protect the oil shale.

Please see attached supplemental information:

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

RECEIVED

FEB 20 1981

DIVISION OF OIL, GAS & MINING

APPROVED BY THE DIVISION OF OIL, GAS, AND MINING
 DATE: 4-10-81
 BY: [Signature]

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] E. W. Heiser TITLE Drilling Manager DATE February 17, 1981
 (This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

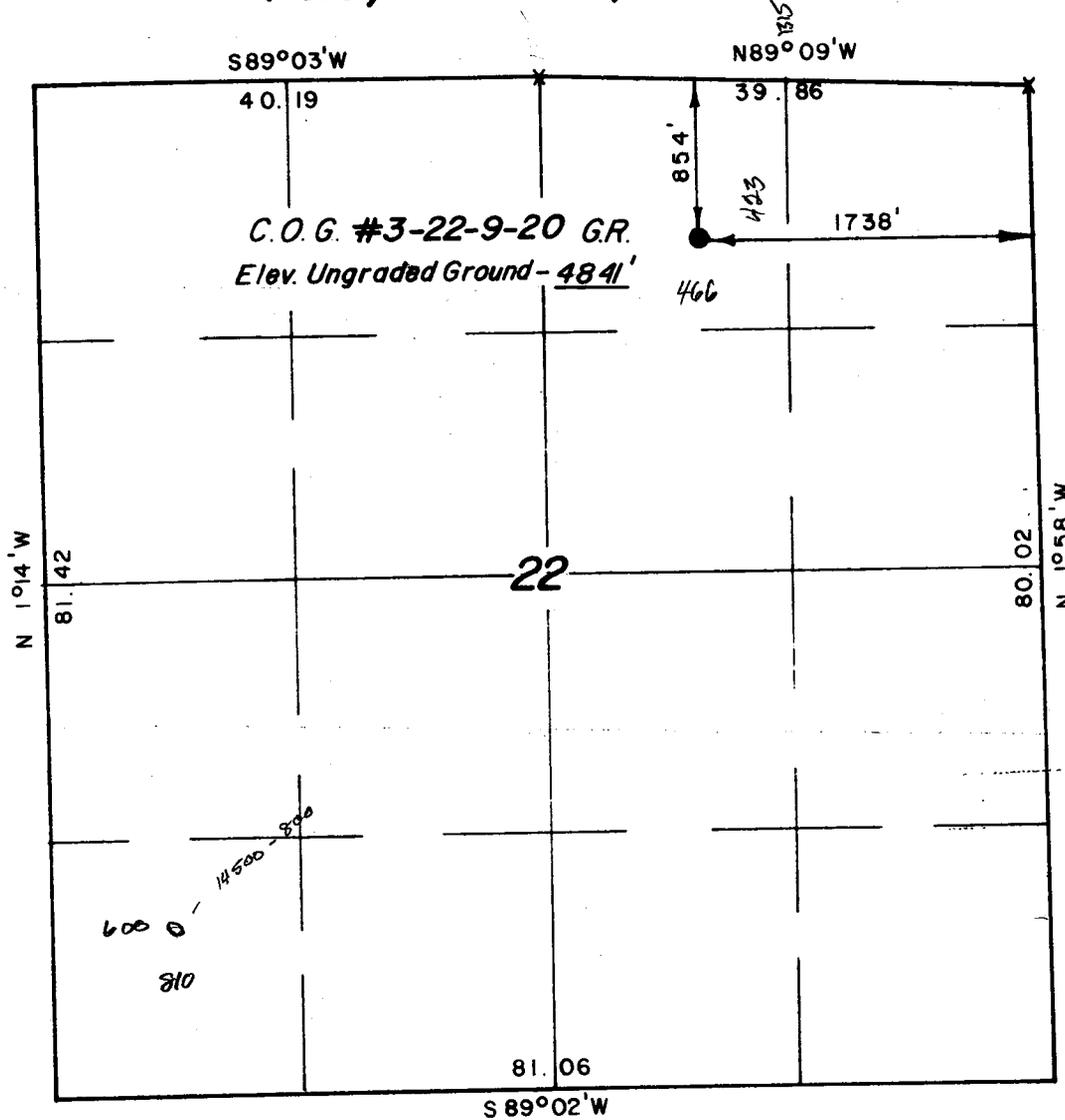
APPROVED BY _____ TITLE _____ DATE _____
 CONDITIONS OF APPROVAL, IF ANY :

PROJECT

COASTAL OIL & GAS CORP.

Well location, *C.O.G.#3-22-9-20 GR.*,
located as shown in the NW1/4 NE1/4
Section 22, T9S, R20E, S.L.B. & M.
Uintah County, Utah.

T9S, R20E, S.L.B. & M.



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

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

SCALE 1" = 1000'	DATE 12/12/80
PARTY LT. TJ. DD	REFERENCES GLO PLAT
WEATHER CLEAR & COLD	FILE COASTAL

X = Section Corners Located

1. Geologic name of surface formation:

UINTA

2. The estimated tops of important geologic markers:

GREEN RIVER - 1775'

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

Green River - 1775' - 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:

COG 3-22-9-20 GR

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:
- March 31, 1981 3 weeks' duration

COASTAL OIL & GAS CORPORATION

12 Point Surface Use Plan

for

Well Location

C.O.G. #3-29-9-20 G.R.

Located In

Section 22, T9S, R20E, S.L.B.& M.

Uintah County, Utah

1. EXISTING ROADS

See attached Topographic Map "A".

To reach COASTAL OIL & GAS CORP., well location site C.O.G. #3-22-9-20 G.R. located in the NW $\frac{1}{4}$ NE $\frac{1}{4}$ Section 22, T9S, R20E, 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 + 3.5 miles to the junction of this road and an existing road to the Southeast; proceed Southeast along this road 2.3 miles to its junction with the proposed access road (to be discussed in Item #2).

The Highways mentioned in the foregoing paragraph are bituminous surfaced roads to Ouray, Utah at which point the 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.I.A. 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 $\frac{1}{4}$ NE $\frac{1}{4}$ Section 22, T9S, R20E, S.L.B.& M., and proceeds in a Southwesterly direction 0.2 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.

2. PLANNED ACCESS ROAD - cont...

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

There will be no culverts required along this access road.

The grade of this road is relatively flat but will not exceed 8%. This road will be constructed from native borrow accumulated during construction.

There will be no turnouts required along this road.

There are no fences encountered along this road. There will be no cattleguards required.

The terrain that this access road traverses is relatively flat.

All lands involved under this action are under B.I.A. jurisdiction.

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

3. EXISTING WELLS

There are eighteen producing gas wells and two abandoned 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, 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 no other COASTAL OIL & GAS CORP. 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 are 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.

COASTAL OIL & GAS CORP.
C.O.G. #3-22-9-20 G.R.
Section 22, T9S, R20E, S.L.B. & M.

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

The proposed gas flowline will be an 18' right-of-way, which will run to an existing gas line in the area.

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 in Section 4, T9S, R20E, S.L.B. & M. approximately 3.9 miles by road North of the proposed location site. This water will be hauled by truck over existing roads and the proposed access road.

All regulations 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 are 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 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.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 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.I.A. Representative when the moisture content of the soil is adequate for germination. The Lessee further covenants and agrees that all of said clean-up and restoration activities shall be done and performed in a diligent and most workmanlike manner and in strict conformity with the above mentioned Items #7 and #10.

11. OTHER INFORMATION

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

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

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Section 22, T9S, R20E, S.L.B. & M.

11. OTHER INFORMATION - cont...

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 flora, areas of sagebrush, rabbitbrush, some grasses, and cacti and large areas of bare soils devoid of any growth in the areas away from and in the vicinity of non-perennial streams and along the areas that are formed along the edges of perennial streams, 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").

C.O.G. #3-22-9-20 location site sits on a relatively flat area.

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

The ground slopes from the South through the location to the North.

The location is covered with some sagebrush and grasses.

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

COASTAL OIL & GAS CORP.
C.O.G. #3-22-9-20 G.R.
Section 22, T9S, R20E, S.L.B. & M.

11. OTHER INFORMATION - cont...

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

F. W. Heiser
COASTAL OIL & GAS CORP.
P.O. Box 749
Denver, CO 80201

Tele: 1-303-572-1121

13. CERTIFICATION

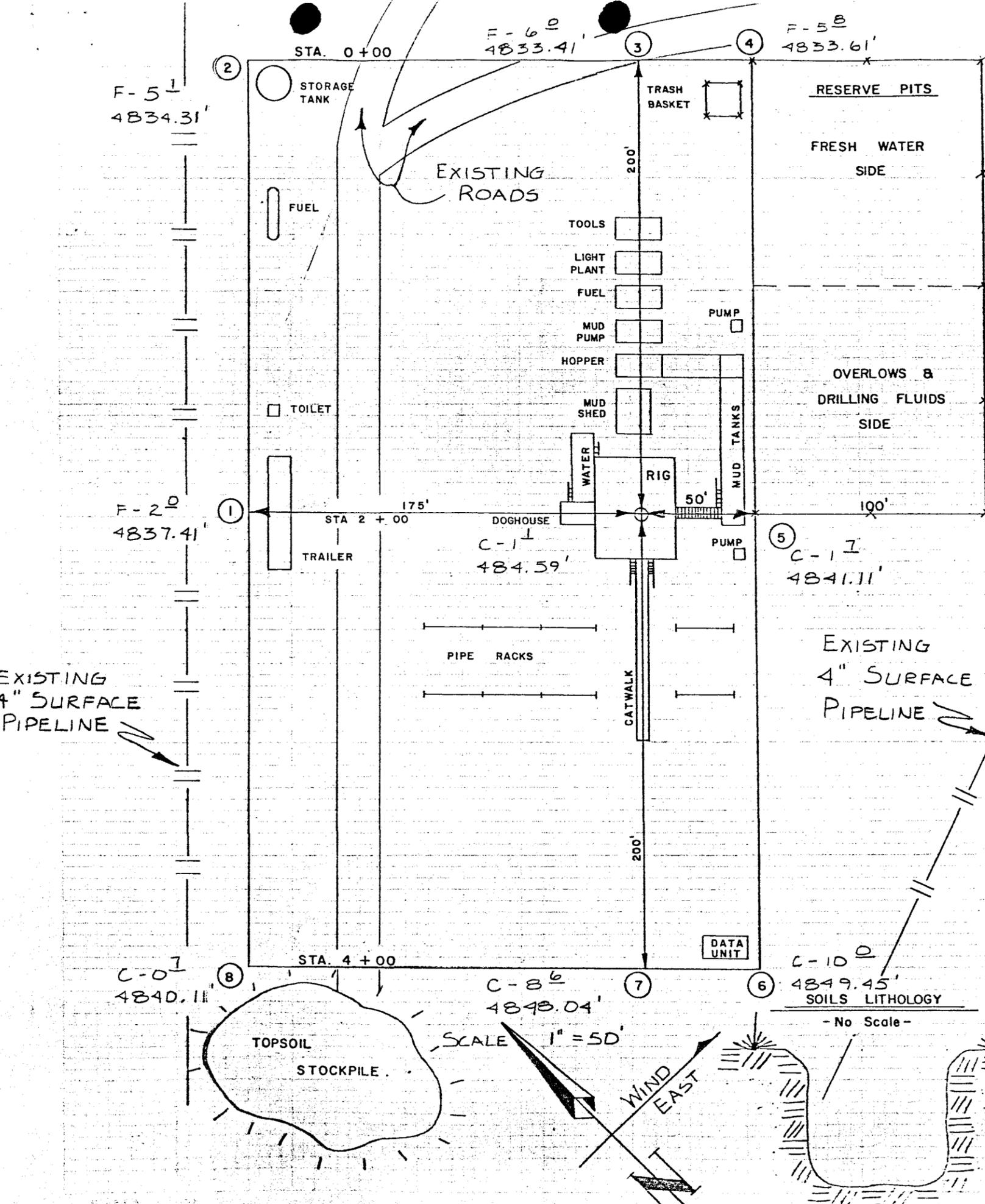
I hereby certify that I, or persons under my direct supervision have inspected the proposed drill site and access route; that I am familiar with the conditons which presently exist; that the statements made in this plan are to the best of my knowledge true and correct; and that the work associated wthih the operation proposed herein will be performed by COASTAL OIL & GAS CORP. and its contractors and subcontractors in conformity with this plan and the terms and conditons under which it is approved.

DATE

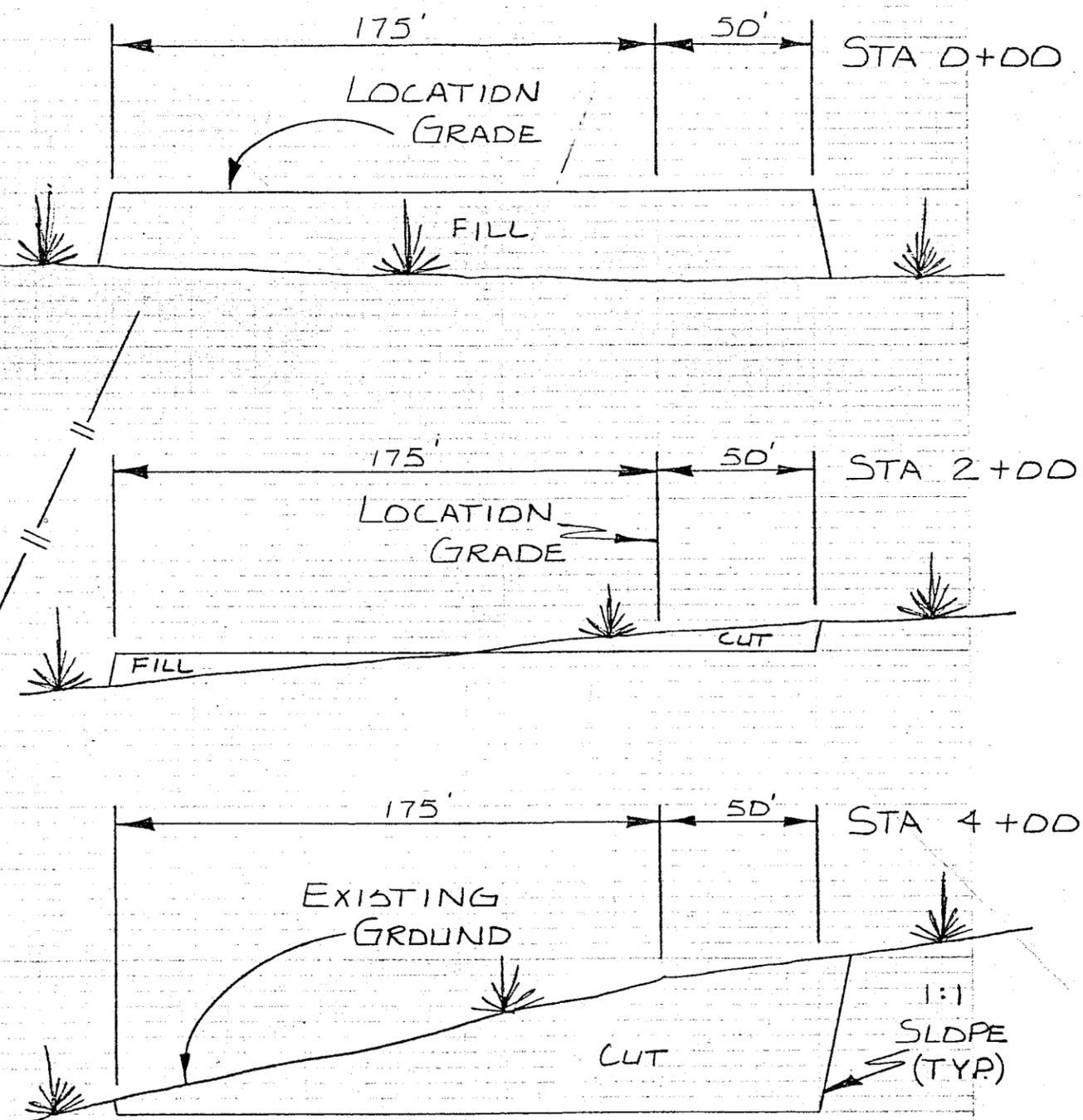
2/17/81


F. W. Heiser
Drilling Manager

COASTAL OIL & GAS CORP.
C.O.G. #3-22-9-20 G.R.



C
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C-10⁰ 4849.45'
SOILS LITHOLOGY

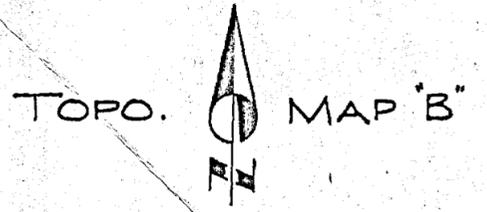
- No Scale -

Light Brown
Sandy Clay

APPROXIMATE YARDAGES

Cubic Yards of Cut - 5705
Cubic Yards of Fill - 5698

COASTAL OIL & GAS CORP.
C.O.G. # 3-22-9-20.G.R



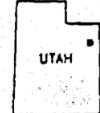
SCALE 1" = 2000'

ROAD CLASSIFICATION

Medium-duty Light-duty

Unimproved dirt

State Route



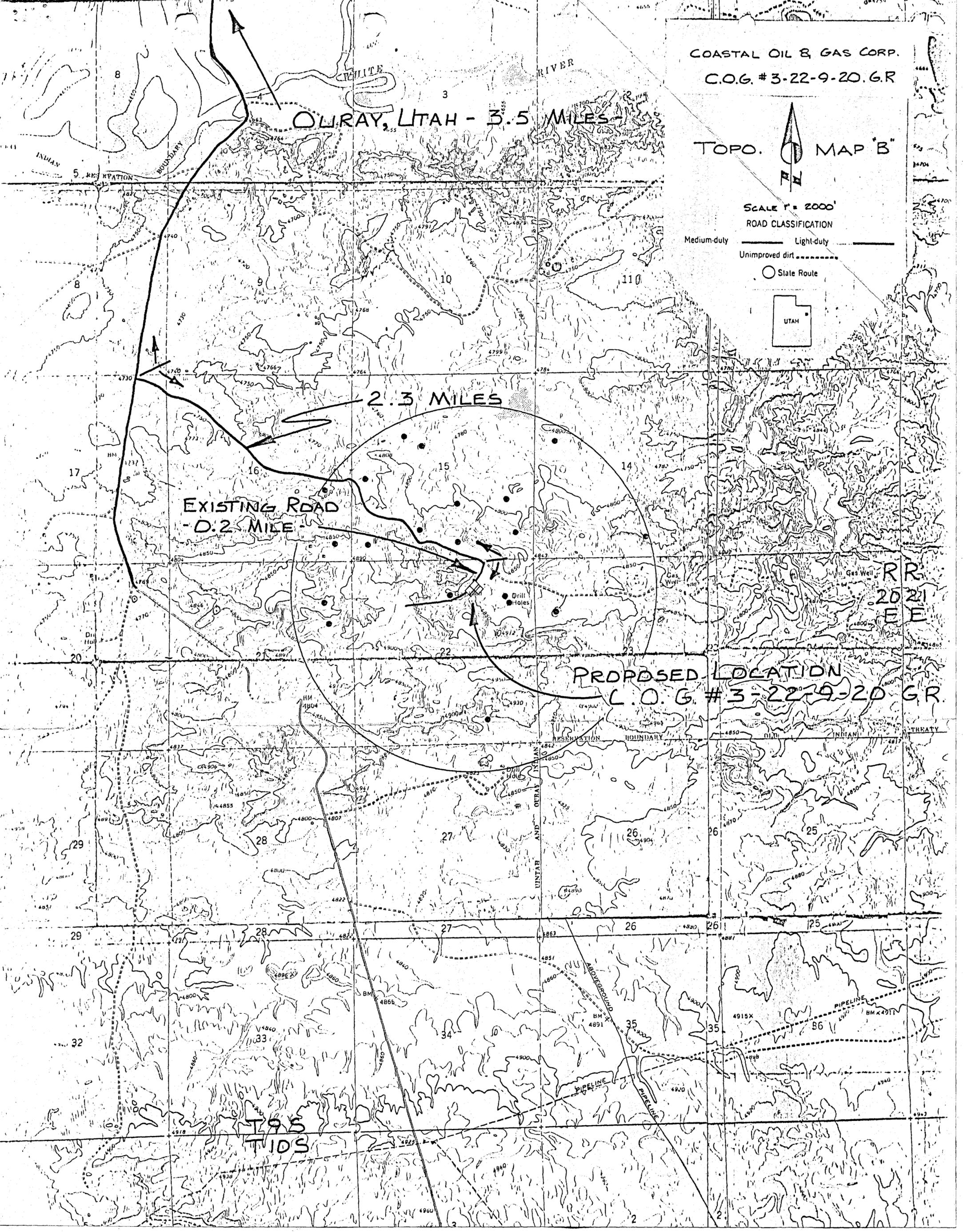
OURAY, UTAH - 3.5 MILES

2.3 MILES

EXISTING ROAD
- 0.2 MILE -

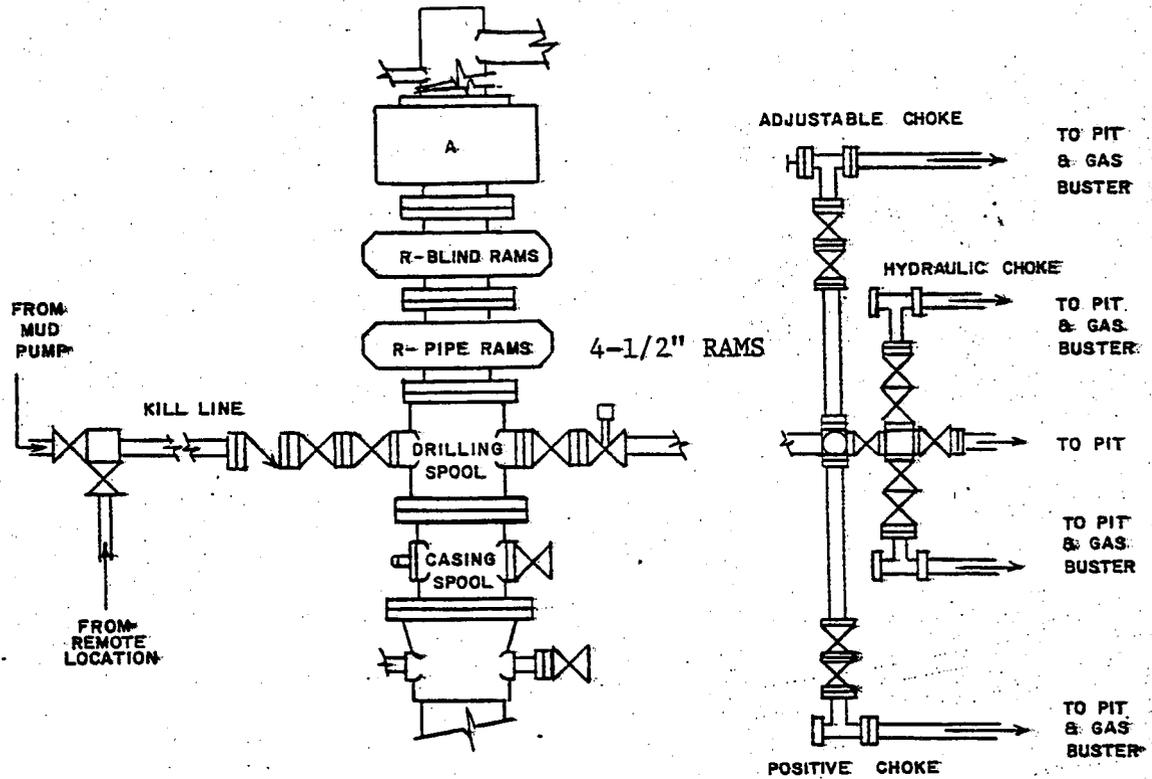
PROPOSED LOCATION
C.O.G. # 3-22-9-20.G.R

T.S.
TIDS



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.

** FILE NOTATIONS **

DATE: MARCH 16 1981

OPERATOR: CONSTAL OIL & GAS CORP.

WELL NO: NATURAL DUCK 3-22-9-20 GR

Location: Sec. 22 T. 9S R. 20E County: Uintah

File Prepared:

Entered on N.I.D.:

Card Indexed:

Completion Sheet:

API Number 43-047-30924

CHECKED BY:

Petroleum Engineer: M. J. Munder 6-1-81
Hold for location changes

Director: _____

Administrative Aide: C-3 spacing

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.



Coastal Oil & Gas Corporation

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

RECEIVED

MAY 28 1981

DIVISION OF
OIL, GAS & MINING

May 26, 1981

Mr. Michael Minder
State of Utah
Division of Oil, Gas, and Mining
1588 West North Temple
Salt Lake City, UT 84116

Re: COG 3-22-9-20 GR
NW NE Section 22-T9S-R20E
Uintah County, Utah

Dear Mike:

Coastal Oil & Gas Corporation hereby requests an administrative exception to statewide spacing requirements for the above location, staked 854' FNL/1738' FEL Section 22-T9S-R22E.

If the location were moved 100' West to conform with statewide spacing, an existing Colorado Interstate Gas Pipeline would run across the northwest corner of the location, creating a potentially hazardous condition during drilling operations. In order to move the pipeline, CIG would be required to file for a right-of-way from both the BLM and BIA, an extremely lengthy process which would cause considerable delay in our drilling operations.

Coastal Oil & Gas Corporation holds all leases within 660' of the proposed location.

In addition, Coastal operates the Ute Trail 52XH, located 1040' FNL/2310' FEL Section 22-T9S-R20E, a producing gas well which is 601' from the proposed location. This well is produced from the Wasatch formation only as Coastal does not hold the Green River rights.

Thank you for your consideration. If you should have any question or need further information, please contact us.

Very Truly Yours,

F. W. Heiser
District Drilling Manager

XC: P. Bohner
B. Nelson
W. Gibbens
File

pab/FWH/tcd

December 29, 1981

Coastal Oil & Gas Corp.
P. O. Box 749
Denver, Colo. 80201

RE: Well No. Natural Duck #3-22-9-20GR,
Sec. 22, T. 9S, R. 20E,
Uintah County, Utah

Insofar as this office is concerned, approval to drill the above referred to oil well on said unorthodox location is hereby granted in accordance with Rule C-3(c), 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:

CLEON B. FEIGHT - Director
Office: 533-5771
Home: 466-4455

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 43-0470⁻³⁰⁹²⁴~~030924~~.

Sincerely,

DIVISION OF OIL, GAS AND MINING

Cleon B. Feight
Director

CBF/db
CC: USGS
Enclosures

**Please forgive the oversight and lateness of this approval letter.

Thank you

Oil and Gas Operations
2000 Administration Building
1745 West 1700 South
Salt Lake City, Utah 84104-3884

May 12, 1982

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

Re: Rescind Application for Permit
to Drill
Well No. 3-22-9-20 GR
Section 22, T. 9S., R. 20E. 2
Uintah County, Utah
Lease No. U-0577

Gentlemen:

The Application for Permit to Drill the referenced well was approved on April 17, 1981. 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 then be submitted to this office. Your cooperation in this matter is appreciated.

Sincerely,
(ORIG. SGD.) R. A. HENRICKS
Production Unit Supervisor

fr E. W. Gynn
District Oil & Gas Supervisor

bcc: SMA
State O&G
State BLM
MMS-Vernal
Well File
APD Control

RAH/tm