

UTAH OIL AND GAS CONSERVATION COMMISSION

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

DATE FILED 11-12-86

LAND: FEE & PATENTED \_\_\_\_\_ STATE LEASE NO. U-01197A-ST PUBLIC LEASE NO. \_\_\_\_\_ INDIAN \_\_\_\_\_

DRILLING APPROVED: 11-14-86

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

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

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

GRAVITY A.P.I. \_\_\_\_\_

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

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

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

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

DATE ABANDONED: L A I D 2-22-88

FIELD: NATURAL BUTTES

UNIT: NATURAL BUTTES

COUNTY: UINTAH

WELL NO. COG NBU #82 API #43-047-31772

LOCATION 1584' FNL FT. FROM (N) (S) LINE. 2499' FEL FT. FROM (E) (W) LINE: SW NE 1/4 - 1/4 SEC. 11

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

				<u>10S</u>	<u>22E</u>	<u>11</u>	<u>COASTAL OIL &amp; GAS CORP.</u>
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STATE OF UTAH  
DIVISION OF OIL, GAS & MINING  
DRILLING LOCATION ASSESSMENT

RECEIVED  
NOV 10 1986

DIVISION OF  
OIL, GAS & MINING

OPERATOR Coastal Oil and Gas Corporation WELL NAME NBU #82  
LOCATION: COUNTY Uintah SECTION 11 T 10 south R 22 east  
QTR/QTR SW NE 1584' FN L & 2499' FE L  
SURFACE OWNERSHIP State of Utah MINERAL LEASE # ---

ASSESSMENT PARTICIPANTS: DATE 6 / Nov / 1986  
Dennis Broussard w/ Coastal O&G  
Robert Anderson w/ Heitzman drlsite Svc  
Robert Kay w/ Uintah Engineering  
Harley Jackson w/ Skewes & Hamilton Dirt Contractors  
Carol Kubly O&G Inspector

I. REGIONAL SETTING/TOPOGRAPHY

Colorado Plateau, Uintah Basin, Natural Buttes, White River area

II. LAND USE

A. Current Surface Use:

Open Range

B. Proposed Surface Disturbance:

325' X 220' for location, about 1/2 mile for access road

C. Affected Floodplains and/or Wetlands:

Not Applicable

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III. ENVIRONMENTAL PARAMETERS

A. Geology:

1. Surface Formation -

Uintah Formation

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2. Stability -

Moderate to very good - flat bench like area on cliff on South side of White  
River canyon

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B. Soils:

1. Soil Characteristics -

Medium brown silty to clayey sand w/ occasional dark brown cobbles.

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2. Erosion/Sedimentation -

Minimal - location will be built back far enough from cliff edge to avoid this.

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C. Water Resources:

To be ascertained later

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D. Flora/Fauna:

Sage brush, cheat grass, Indian rice grass, rabbit brush, greasewood, ants.

E. Cultural Resources/Archeology:

Cleared last week by Michael Metcalf

F. Adequacy of Restoration Plans:

Adequate

IV. RESERVE PIT

A. Characteristics:

60' X 150' X 8'deep.

B. Lining:

Pit will be plastic lined if fractured rock is encountered. Otherwise, natural bentonite and drlg mud (freshwater/gel) will be used.

V. OTHER OBSERVATIONS

Location design engineered well for terrain





COGC NB4 #82  
SWDE Sec 11 1080 228  
Uintah, UT

15 cent stake



0060 NBU#82  
SWNE Sec 11 1080. 228.  
Uintah, UT.



COSC NBH #92  
SWNE Sec 11 10 So. 228  
Uintah, UT

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

SUBMIT IN DUPLICATE\*  
(Other instructions on reverse side)

7

5. Lease Designation and Serial No.

U-01197A-St.

6. If Indian, Allottee or Tribe Name

Not Applicable

7. Unit Agreement Name

Natural Buttes

8. Farm or Lease Name

COG NBU

9. Well No.

#82

10. Field and Pool, or Wildcat

✓ Natural Buttes

11. Sec., T., R., M., or Blk. and Survey or Area

Sec. 11, T10S, R22E

12. County or Parrish 13. State

Uintah 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

(303) 572-1121

3. Address of Operator

P. O. Box 749, Denver, Colorado 80201-0749

4. Location of Well (Report location clearly and in accordance with any State requirements.\*)

At surface

1584' FNL, 2499' FEL (NW¼SW¼NE¼) 11-10S-22E

At proposed prod. zone

Same

14. Distance in miles and direction from nearest town or post office\*

Fifteen (15) Miles Southeast of Ouray, Utah

15. Distance from proposed\* location to nearest property or lease line, ft. (Also to nearest drlg. line, if any)

1584'

16. No. of acres in lease

1674.49

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.

2800'

19. Proposed depth

7200'

20. Rotary or cable tools

Rotary

21. Elevations (Show whether DF, RT, GR, etc.)

5036' GR

22. Approx. date work will start\*

November 15, 1986

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"	20#	250'	125 sx Circ. to Surface
7-7/8"	5-1/2"	17#	7200'	1800 sx

RECEIVED  
NOV 12 1986

DIVISION OF OIL, GAS & MINING  
PLEASE REFER TO ATTACHED DRILLING PROGNOSIS.

APPROVED BY THE STATE OF UTAH DIVISION OF OIL, GAS, AND MINING

DATE: 11-19-86  
BY: John R. Bays  
WELL SPACING: 203

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 Manager Date: 11/4/86

(This space for Federal or State office use)

Permit No. 43-047-31772 Approval Date

Approved by: Title: Date: Conditions of approval, if any:

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

PROJECT

COASTAL OIL & GAS CORP.

WELL LOCATION, N.B.U. #82, LOCATED AS SHOWN IN THE SW1/4 NE1/4 SECTION II, T10S, R22E, S.L.B. & M. UINTAH COUNTY, UTAH.

MARKED STONE

S89°53'31"E - 5320.65' (measured)

STONE

584'

2499'  
(Comp.)

N.B.U. #82  
Elev. Ungraded Ground = 5036'

NO°01'W - G.L.O.



BASIS OF BEARINGS  
NO°01'W - 5279.80' (measured)

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 L. Kay*  
REGISTERED LAND SURVEYOR  
REGISTRATION NO 5709  
STATE OF UTAH

MARKED STONE N89°53'55"W - 2633.23' (measured) MARKED STONE N89°59'W - G.L.O.

X = SECTION CORNERS LOCATED

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

SCALE	1" = 1000'	DATE	10-29-86
PARTY	RK JF RP	REFERENCES	GLO PLAT
WEATHER	FAIR	FILE	COASTAL

Drilling Prognosis1. Estimated Formation Tops:

Surface	Uinta
Green River	1650'
Wasatch	5050'
Total Depth	7200'

2. Estimated Depths of Oil, Gas or Water:

Oil : None  
 Gas : Wasatch - 5050'  
 Water : None

All fresh water and prospectively valuable minerals encountered during drilling will be recorded by depth, and cased and cemented.

3. Pressure Control Equipment:

Type : One 10" X 3000 psi annular preventer.  
 One 10" X 3000 psi double ram preventer (blind ram above, pipe ram below).  
 One wing with two manual valves and one choke.  
 One positive choke and one adjustable.

Choke Manifold : 2 1/16" X 3000 psi dual wing manifold. Each wing with two manual valves and one choke. One positive choke and one adjustable.

Auxiliary Equipment : Upper and lower Kelly cock valves. Back pressure and full opening drill string safety valves. Gas detector.

Testing Procedure : BOP and choke manifold will be installed and pressure tested before drilling out under surface casing and then checked daily for mechanical operating condition. Ram-type preventers and related pressure control equipment will be pressure tested to the rated working pressure of the stack assembly, or 70% of the internal yield of the casing, whichever is less. Annular preventer will be pressure tested to 50% of rated working pressure upon installation. BOP and choke manifold pressure rating will exceed the maximum anticipated surface pressure.

4. The Proposed Casing and Cementing Program: (Used)

<u>Hole Size</u>	<u>Casing Size</u>	<u>Wt./Ft.</u>	<u>Grade</u>	<u>Thread</u>	<u>Depth Set</u>
12-1/4"	8-5/8"	20#	J-55	ST&C	250'
7-7/8"	5-1/2"	17#	K-55	ST&C	T.D.

4. The Proposed Casing and Cementing Program: Continued

All casing strings will be pressure tested to 0.2 psi/ft., or 1000 psi, whichever is greater, after cementing and prior to drilling out.

Surface Casing : 125 sacks Class "H", 2% CaCl<sub>2</sub>, 1/4#/sx Celloflake

Production Casing : 800 sx Lite  
1000 sx Class "G", 2% Gel, 10% Salt

A greater amount of cement will be used if necessary to ensure that all potentially productive hydrocarbon zones are cemented off. Fill-up to be determined from logs.

5. Drilling Fluids Program: (Monitor with PVI and Flow Sensor Devices)

<u>Interval</u>	<u>Type</u>	<u>Weight</u>	<u>Viscosity</u>	<u>Fluid Loss</u>
0-250'	Air	--	--	--
250-T.D.	Fresh Water	8.7 ppg	45 sec.	12 cc

Drilling mud inventory will be stockpiled on the location and will not be less than the total amount needed for the mud system as required to drill this well.

6. Evaluation Program:

Logs : DIL with Caliper - Surface to Total Depth  
FDC-CNL - Approximately 1500' to Total Depth

DST's : None Anticipated

Cores : None Anticipated

7. Abnormal Conditions:

No abnormal temperatures or pressures are anticipated. No H<sub>2</sub>S gas has been reported or known to exist from previous drilling in the area at this depth. Maximum anticipated bottom hole pressure equals 2000 lbs.

8. Drilling Activity and Auxiliary Equipment:

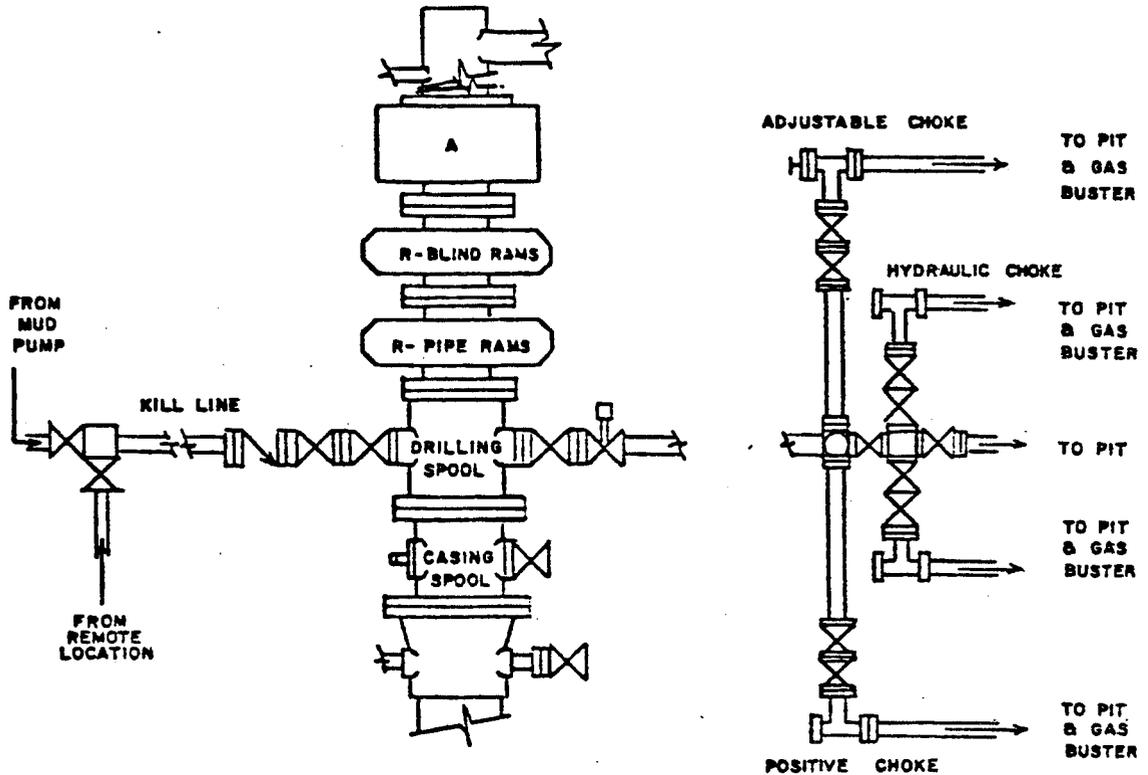
Anticipated Commencement Date: November 15, 1986  
Drilling Days : Fifteen (15)  
Completion Days : Three (3)

Auxiliary Equipment:

1. A kelly cock will be kept in the string at all times.
2. Periodic checks will be made each tour of the mud system (refer to Item #5).
3. A stabbing valve will be kept on the derrick floor to be stabbed into the drill pipe whenever the kelly is not in the string.
4. No bit float will be used.

3000 psi

psi Working Pressure BOP's



### Test Procedure

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

COASTAL OIL & GAS CORPORATION

Lease # U-01197A-St, COG NBU #82  
SW $\frac{1}{4}$ NE $\frac{1}{4}$  Section 11, T10S, R22E  
Uintah County, Utah

Supplement to Application for Permit to Drill

1. Location and Type of Water Supply:

- A. Water for drilling will be obtained from an existing industrial water well (Uintah #1) owned by Target Trucking, Inc. and located in the SE $\frac{1}{4}$ SE $\frac{1}{4}$ NE $\frac{1}{4}$  Section 16, Township 10 South, Range 21 East, Uintah County, Utah; Permit Number 49-991 (A57530).

2. Methods of Handling Waste Disposal:

- A. Sewage - self-contained, chemical toilets will be provided for human waste disposal. Upon completion of operations, the holding tanks will be pumped and the contents disposed of in a municipal sewage treatment facility or other authorized disposal facility.
- B. Garbage and other waste materials - all trash will be contained in a portable trash cage. Upon completion of operations, all trash will be hauled to an approved sanitary landfill.
- C. Cuttings and drilling fluids - the cuttings will be deposited in the reserve pit. Drilling fluids will be contained in reserve pit and allowed to evaporate. The reserve pit will be designed to prevent the collection of surface runoff and will be constructed with a minimum of one-half (1/2) the total depth below the original ground surface on the lowest point within the pit. The reserve pit will not be lined unless fractured rock or extremely porous soil/rock formations are encountered.

3. Plans for Reclamation of the Surface:

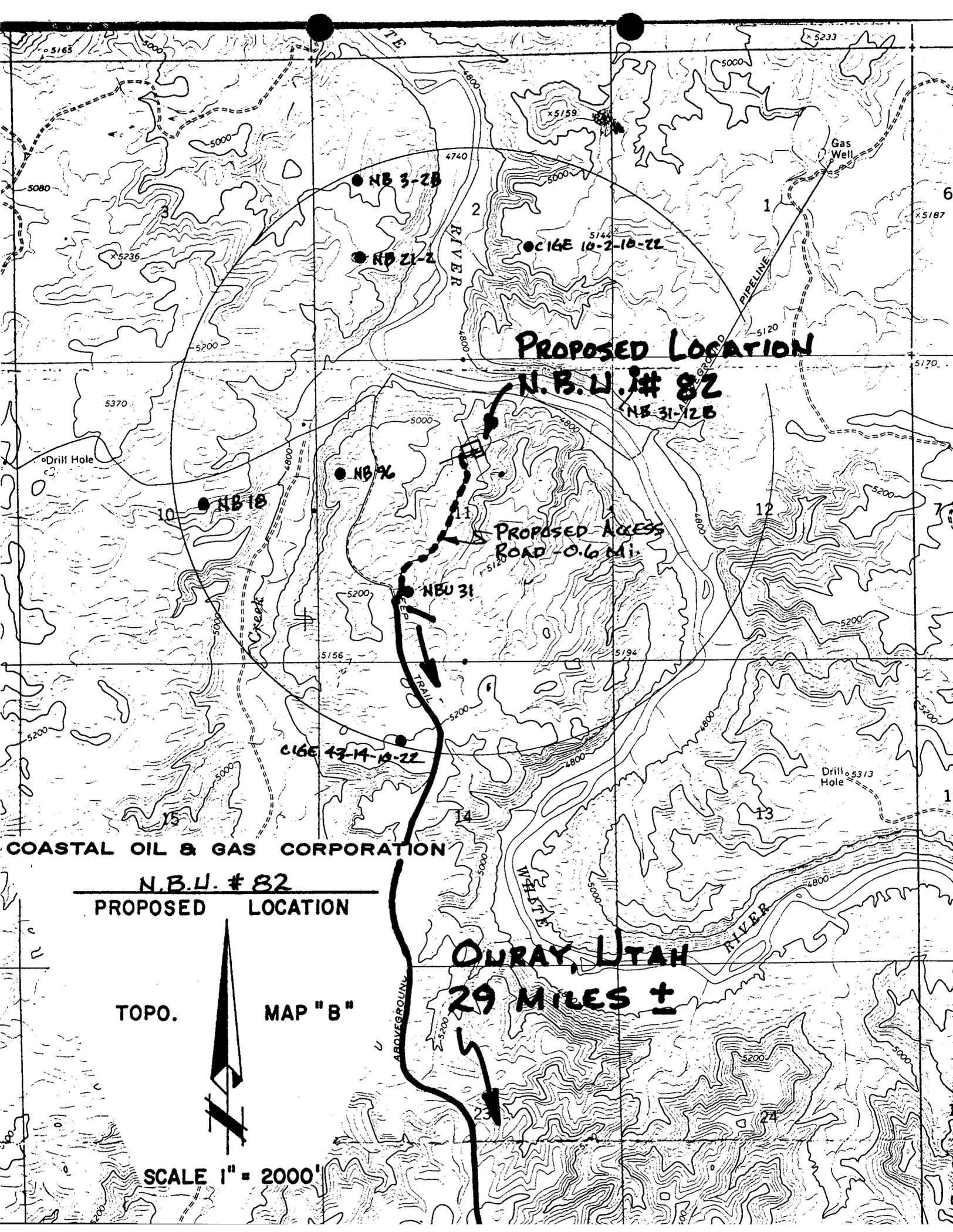
- A. Backfilling, leveling and re-contouring are planned as soon as the reserve pit dries. Waste and spoil materials will be disposed of immediately upon completion of drilling and workover activities. If production is established, the unneeded areas of the location will be reclaimed as soon as the reserve pit dries.
- B. Upon completion of backfilling, leveling and re-contouring, the stockpiled topsoil will be evenly spread over the reclaimed area(s). All disturbed surfaces (including access road and well pad areas) will be reseeded using the seed mixture recommended by the State of Utah. Seed will be drilled on the contour to an approximate depth of 1/2 inch.
- C. Three sides of the reserve pit will be fenced during drilling operations. Prior to rig release, the reserve pit will be fenced on the fourth side to prevent livestock and wildlife from becoming entrapped, and the fencing will be maintained until leveling and cleanup are accomplished.

3. Plans for Reclamation of the Surface: Continued

- D. If any oil is on the pits and is not immediately removed after operations cease, the pit containing the oil or other adverse substances will be flagged overhead or covered with wire mesh.
- E. The reclamation operations will begin after the drilling rig is removed. Removal of oil or other adverse substances will begin immediately or area will be flagged and fenced. Other cleanup will be done as needed. Rehabilitation operations should be completed by the Fall of 1987.

4. Other Information:

- A. A cultural resource inventory of the proposed well site and access road has been conducted by Mike Metcalf/Metcalf Archaeology, P. O. Box 899, Eagle, Colorado 81631; phone (303) 328-6244. There are no known archeological, historical or cultural sites that will be disturbed by this drilling operation, as a result of this inventory.



**PROPOSED LOCATION**  
**N.B.U. # 82**  
NB 31-12B

**PROPOSED ACCESS ROAD - 0.6 mi.**

**DURAY, UTAH**  
**29 MILES ±**

**COASTAL OIL & GAS CORPORATION**

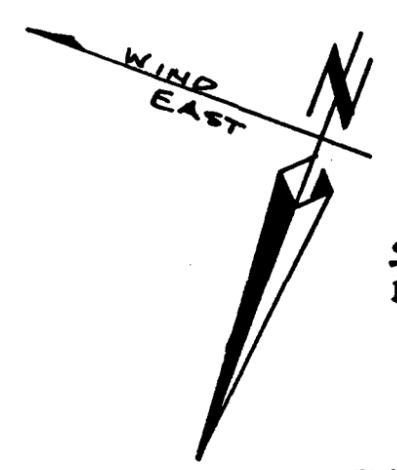
**N.B.U. # 82**  
**PROPOSED LOCATION**

**TOPO.**

**MAP "B"**

**SCALE 1" = 2000'**

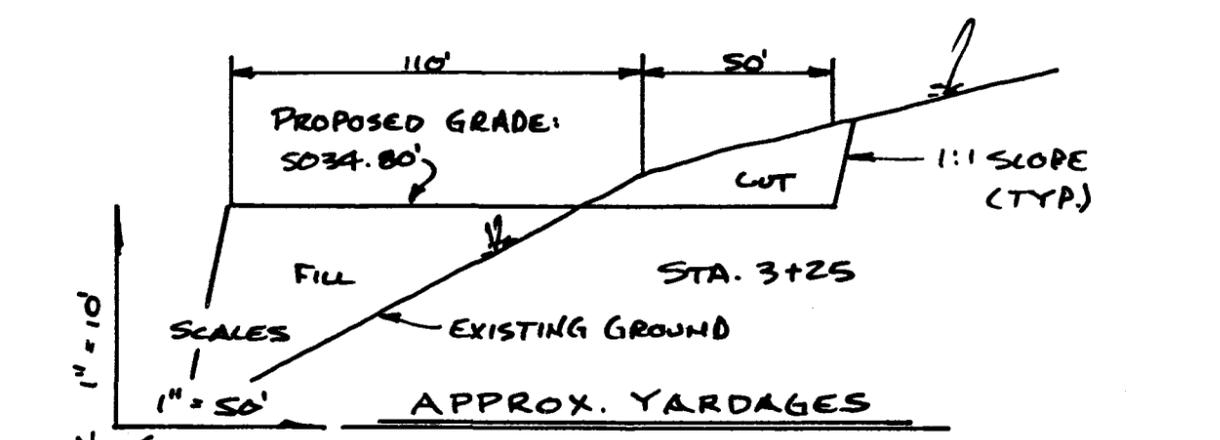
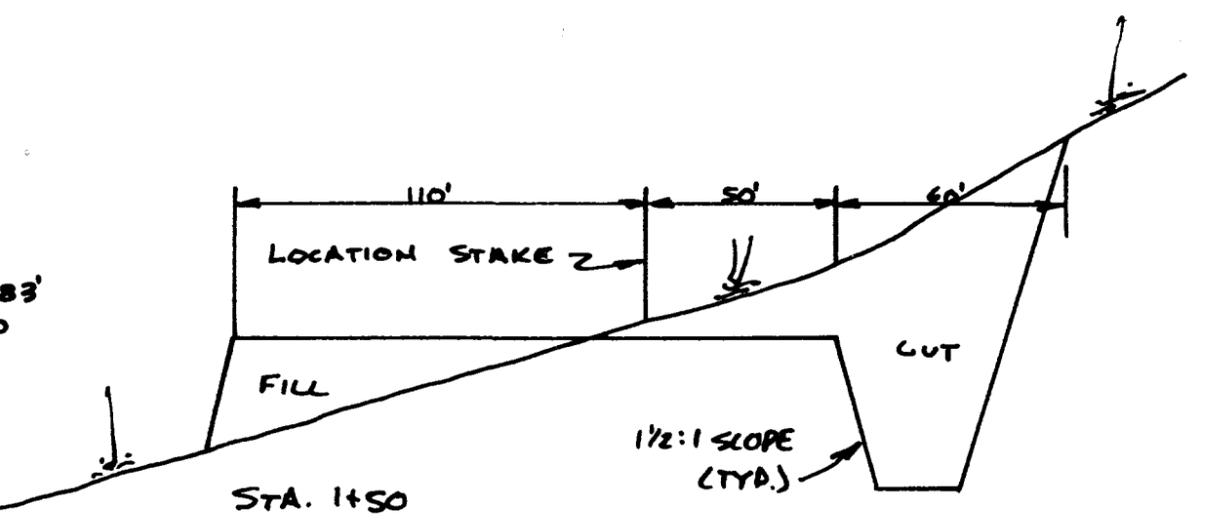
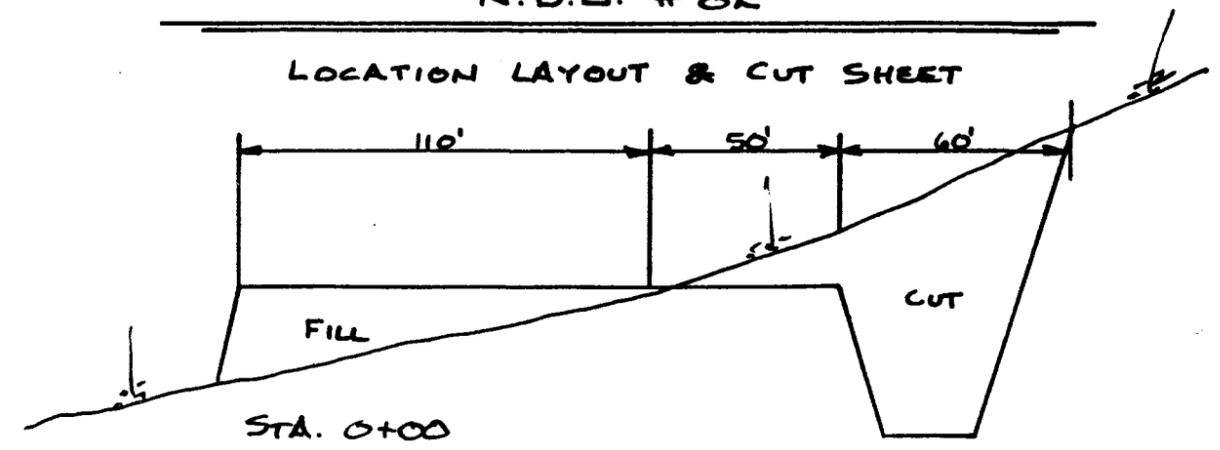
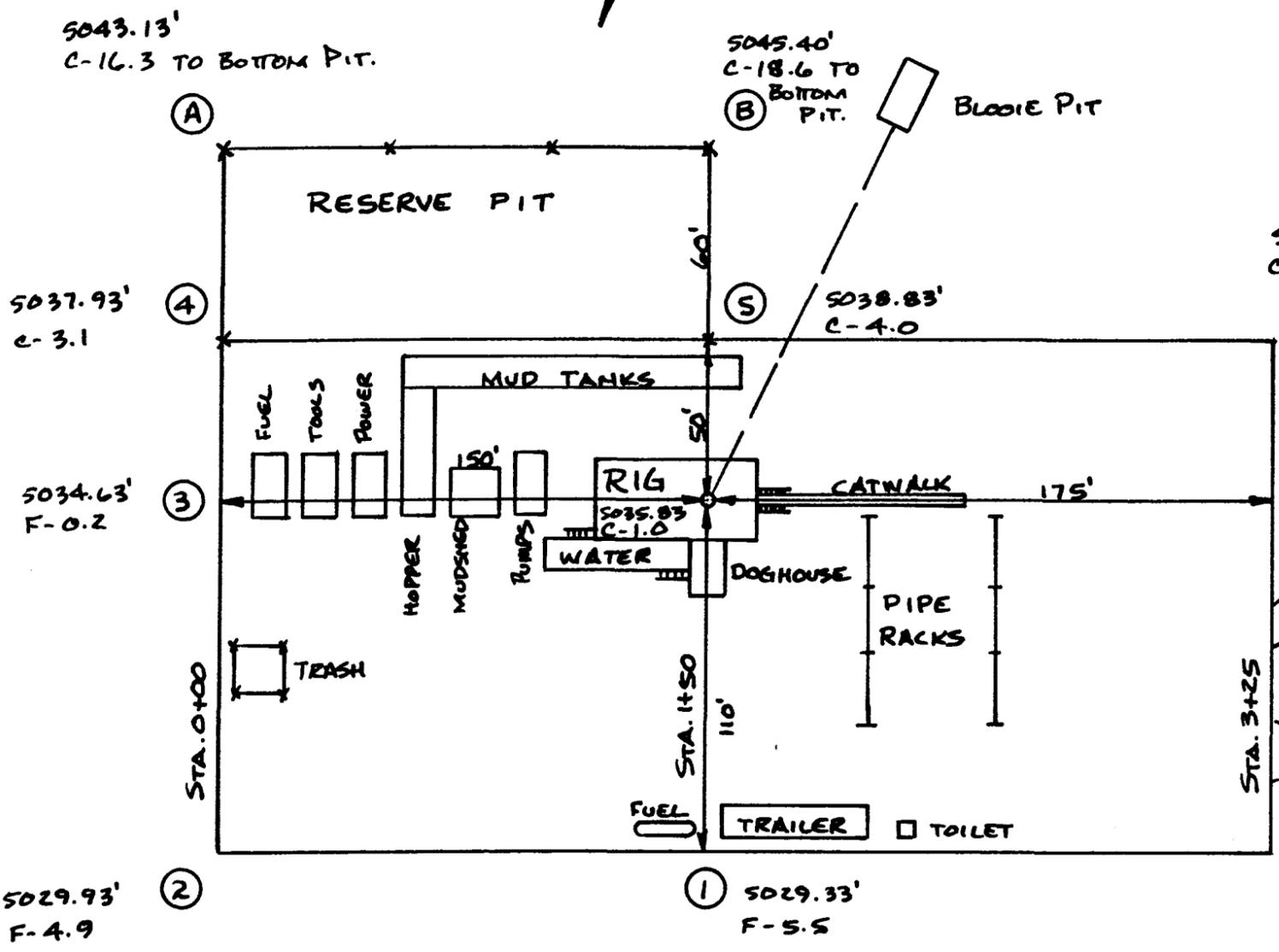




SCALE: 1" = 50'  
DATE: 10-29-86

COASTAL OIL & GAS CORP.  
N.B.U. #82

LOCATION LAYOUT & CUT SHEET



CUBIC YARDS CUT = 5,400  
CUBIC YARDS FILL = 4,430  
UNBALANCE OF 84 CU. YDS. CUT

1" = 10'

APPROX. YARDAGES

**RECEIVED**  
NOV 13 1986

**DIVISION OF  
OIL, GAS & MINING**

Cultural Resources Inventory of the  
Coastal Oil and Gas Company  
NBU-82 Well Pad and Access  
Uintah County, Utah

by  
Michael D. Metcalf  
Field Archaeologist and Principal Investigator

for  
Coastal Oil and Gas Company  
Denver, Colorado

M A C  
Metcalf Archaeological Consultants, Inc.  
Eagle, Colorado

Project No. U-86-MM-704s

November 1986

## Introduction

The Coastal Oil and Gas NBU-82 well pad is located in the SW/NE of Section 11, T10S R22E, Uintah County, Utah. It will be served by about 3,300 ft of access road which originates at an existing well pad in the approximate center of the SW/4 of Section 11, and runs northeasterly to the well pad. The project lies on state lands. The study was performed by the author under project number U-86-MM-704s and was completed on October 30, 1986. No cultural resources were observed during the survey, therefore, cultural resource clearance is recommended.

## Project Setting

The project area is a dissected plateau south of the White River in the Uinta Basin of eastern Utah. The area is characterized generally by eroded sandstone formations, sagebrush-shadscale vegetation patterns and clayey soils with wide areas of desert pavement and restricted pockets of Holocene age sand deposits.

The NBU-82 well pad sits on a high ridge toe overlooking the deeply incised canyon of the White River. The access runs along sloping ridgetop terrain and negotiates a low sandstone cliff at one point. The area generally is notable for a lack of soils and for the overwhelming amount of fragmented and decomposing sandstone bedrock. Vegetation is a low sagebrush grassland but vegetation is thin. Drainage is directly into the White River via deeply incised ephemerals.

## Files Search

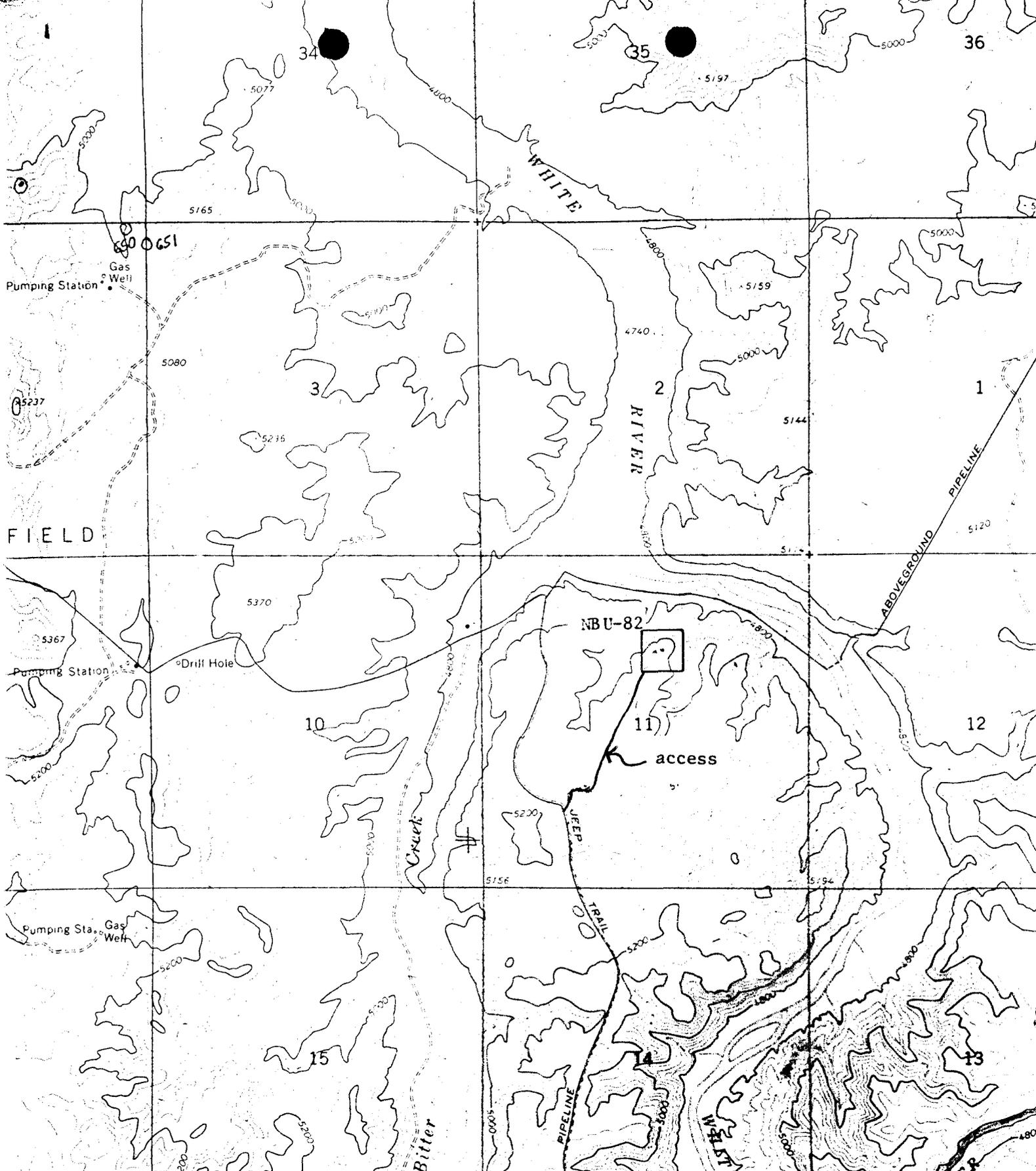
A files search was conducted by David Schirer of the Division of State History on the same day as the survey. This search overlaps a previous files search done by the author at the Vernal District of the Bureau of Land Management on September 8, 1986. These records show that numerous oil and gas surveys have occurred in the area generally, but neither previous surveys or previously recorded sites are numerous in the vicinity of the project.

Field Methods

A standard ten acre block was surveyed for the NBU-82 location. Parallel transects were used on the block; two transects, one on either side of centerline were used for the access . Total width of coverage was 100 ft. Surface visibility could be characterized as excellent.

Results/Recommendations

Survey of the NBU-82 location resulted in no additional discoveries of cultural resources. Cultural resource clearance is recommended.



COASTAL OIL AND GAS COMPANY  
 NBU-82 SW/NE Sec. 11 T10S R22E  
 Uintah County, Utah  
 Archy Bench USGS Quadrangle

OPERATOR Coastal Oil & Gas Corp DATE 11-13-86

WELL NAME COG NBU #52

SEC SWNE 11 T 10S R 22E COUNTY Wentz

43-047-31772  
API NUMBER

State  
TYPE OF LEASE

CHECK OFF:

PLAT

BOND

NEAREST WELL

LEASE

FIELD

POTASH OR OIL SHALE

PROCESSING COMMENTS:

Unit well - OK on P.O.D - 11/13/86 - Screen/BLM

Water OK - #86-49-38

State History - Rec'd 11/13/86

APPROVAL LETTER:

SPACING:  203 Natural Seals  
UNIT

302

CAUSE NO. & DATE

302.1

STIPULATIONS:

State History

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

November 14, 1986

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

Gentlemen:

Re: COG NBU #82 - SW NE Sec. 11, T. 10S, R. 22E  
1584' FNL, 2499' FEL - 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 203, Oil and Gas Conservation General Rules, subject to the following stipulations:

1. Special attention is directed to compliance with Rule 318.4, 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 to the Division of completed Form OGC-8-X, Report of Water Encountered During Drilling.
3. 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.
4. Compliance with the requirements and regulations of Rule 311.3, Associated Gas Flaring, Oil and Gas Conservation General Rules.

Page 2  
Coastal Oil and Gas Corporation  
COG NBU #82  
November 14, 1986

5. 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) 533-6163.
6. 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 43-047-31772.

Sincerely, .



R. J. Firth  
Associate Director, Oil & Gas

as  
Enclosures  
cc: State Lands & Forestry  
Branch of Fluid Minerals  
D. R. Nielson  
8159T



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

*D.R.*  
030107

February 22, 1988

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

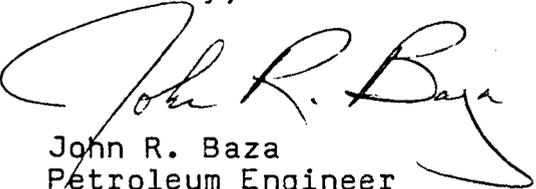
Gentlemen:

RE: Well No. COG NBU #82, Sec. 11, T. 10S, R. 22E,  
Uintah County, Utah, API NO. 43-047-31772

Due to excessive time delay in commencing drilling operations, approval to drill the subject well is hereby rescinded, effective immediately. A new Application for Permit to Drill must be filed with this office for approval, prior to future drilling of 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,

  
John R. Baza  
Petroleum Engineer

sb  
cc: BLM-Vernal  
D. R. Nielson  
R. J. Firth  
Well file  
0327T-30