

# FILE NOTATIONS

Entered in NID File ..... ✓  
Location Map Pinned ..... ✓  
Card Indexed ..... ✓

Checked by Chief .....  
Approval Letter .....  
Disapproval Letter .....

## COMPLETION DATA:

Date Well Completed 3/26/79

Location Inspected .....

Bond released

State or Fee Land .....

✓ WW..... TA.....  
S/GW..... OS..... PA.....

## LOGS FILED

Driller's Log..... ✓

Electric Logs (No.) ✓.....

E..... I..... Dual I Lat..... GR-N..... Micro.....

BHC Sonic GR..... Lat..... MI-L..... Sonic.....

CBLog..... CCLog..... Others.....

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK  
 DRILL  DEEPEN  PLUG BACK

b. TYPE OF WELL  
 OIL WELL  GAS WELL  OTHER   
 SINGLE ZONE  MULTIPLE ZONE

2. NAME OF OPERATOR  
 CIG EXPLORATION, INC.

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

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)\*  
 At surface  
 1019' FNL & 778' FEL, Section 21, T9S, R21E

At proposed prod. zone  
 SAME AS ABOVE

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

16. NO. OF ACRES IN LEASE  
 1480

18. DISTANCE FROM PROPOSED LOCATION\* TO NEAREST WELL, DRILLING, COMPLETED OR APPLIED FOR, ON THIS LEASE, FT.  
 APPROXIMATELY 9000'

21. ELEVATIONS (Show whether DF, RT, GR, etc.)  
 4829' UNGRADED GROUND

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12-1/4"	9-5/8"	36#	200'	125 sx
7-7/8"	4-1/2"	11.6#	7600'	CIRCULATE CEMENT BACK TO SURFACE

FRESH WATER AQUIFERS WILL BE PROTECTED WHEN THE LONG STRING IS RUN AND CEMENT IS CIRCULATED TO SURFACE.

SEE ATTACHED SUPPLEMENTS FOR FURTHER INFORMATION:

- (1) 10-POINT PROGRAM
- (2) BOP SCHEMATIC
- (3) 13-POINT PROGRAM
- (4) PLAT

State of Utah, Department of Natural Resources  
 Division of Oil, Gas, and Mining  
 1983 West North Temple  
 Salt Lake City, Utah 84116

GAS WELL PRODUCTION HOOKUP TO FOLLOW ON SUNDRY NOTICE.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. SIGNED F. R. MIDKIFF TITLE DISTRICT SUPERINTENDENT DATE October 23, 1978

(This space for Federal or State office use)

PERMIT NO. \_\_\_\_\_ APPROVAL DATE \_\_\_\_\_

APPROVED BY L. P. Kozla TITLE ACTING DISTRICT ENGINEER DATE DEC 8 1978

CONDITIONS OF APPROVAL, IF ANY:

NOTICE OF APPROVAL TO OPERATOR'S COPY  
 CONDITIONS OF APPROVAL ATTACHED TO OPERATOR'S COPY  
 NECESSARY FLARING OF GAS DURING DRILLING AND COMPLETION APPROVED SUBJECT TO ROYALTY (INTL 4)  
 \*See Instructions On Reverse Side

State of Utah

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

5. LEASE DESIGNATION AND SERIAL NO.  
**U-0576**

6. IF INDIAN, ALLOTTEE OR TRIBE NAME  
**UTE TRIBE**

7. UNIT AGREEMENT NAME  
**NATURAL BUTTES UNIT**

8. FARM OR LEASE NAME  
**NATURAL BUTTES**

9. WELL NO.  
**CIGE 46-21-9-21**

10. FIELD AND POOL, OR WILDCAT  
**BITTER CREEK FIELD**

11. SEC., T., R., M., OR BLM. AND SURVEY OR AREA  
**Sec 21, T9S, R21E**

12. COUNTY OR PARISH | 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  
**CIG EXPLORATION, INC.**

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

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)\*  
 At surface **1019' FNL & 778' FEL, Section 21, T9S, R21E**  
 At proposed prod. zone  
**SAME AS ABOVE** *none*

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

15. DISTANCE FROM PROPOSED\* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) **778' FEL**

16. NO. OF ACRES IN LEASE **1480**

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

18. DISTANCE FROM PROPOSED LOCATION\* TO NEAREST WELL, DRILLING, COMPLETED OR APPLIED FOR, ON THIS LEASE, FT. **APPROXIMATELY 9000'**

19. PROPOSED DEPTH **7600'**

20. ROTARY OR CABLE TOOLS  
**ROTARY**

21. ELEVATIONS (Show whether DF, RT, GR, etc.)  
**4829' UNGRADED GROUND**

22. APPROX. DATE WORK WILL START\*  
**DECEMBER 15, 1978**

23. **PROPOSED CASING AND CEMENTING PROGRAM**

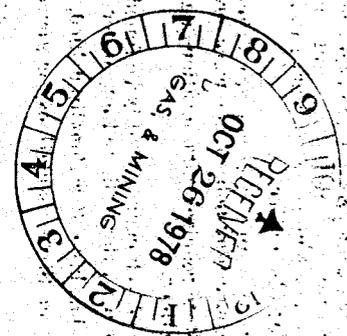
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12-1/4"	9-5/8"	36#	200'	125 sx
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GAS WELL PRODUCTION HOOKUP TO FOLLOW ON SUNDRY NOTICE.



IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. SIGNED *F. R. Midkiff* TITLE DISTRICT SUPERINTENDENT DATE October 23, 1978  
F. R. MIDKIFF

(This space for Federal or State office use)  
 PERMIT NO. 43-047-305 29 APPROVAL DATE APPROVED BY THE DIVISION OF OIL, GAS, AND MINING

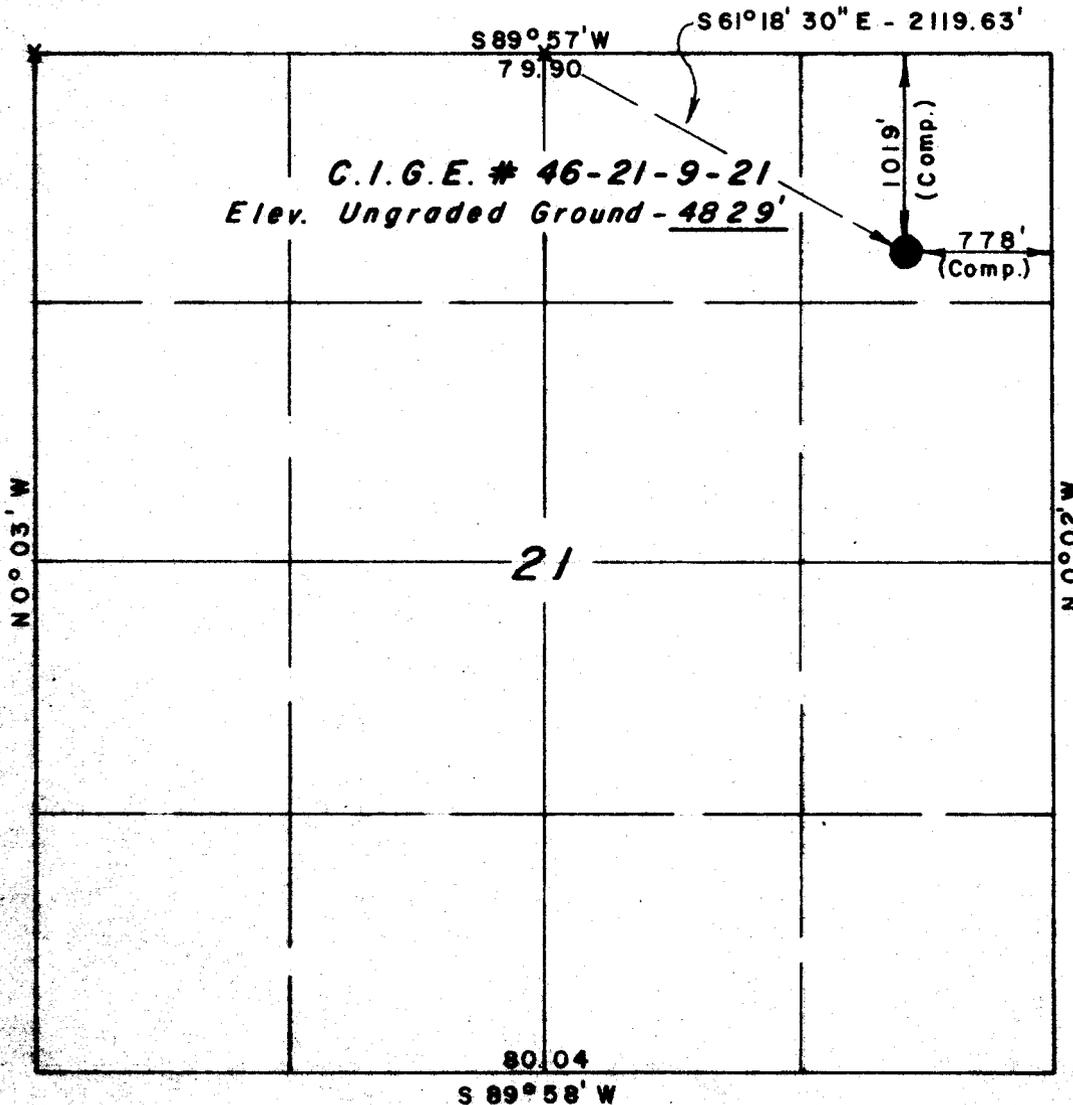
APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE: 11/2/78  
 CONDITIONS OF APPROVAL, IF ANY: BY: *C. B. Wright*

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

PROJECT

C. I. G. EXPLORATION INC.

Well location, C. I. G. E. # 46-21-9-21,  
located as shown in the NE 1/4 NE 1/4  
Section 21, T9S, R21E, S.L.B. & M.  
Uintah County, Utah.



CERTIFICATE

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

*Gene Stewart*

REGISTERED LAND SURVEYOR  
REGISTRATION NO 3154  
STATE OF UTAH

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

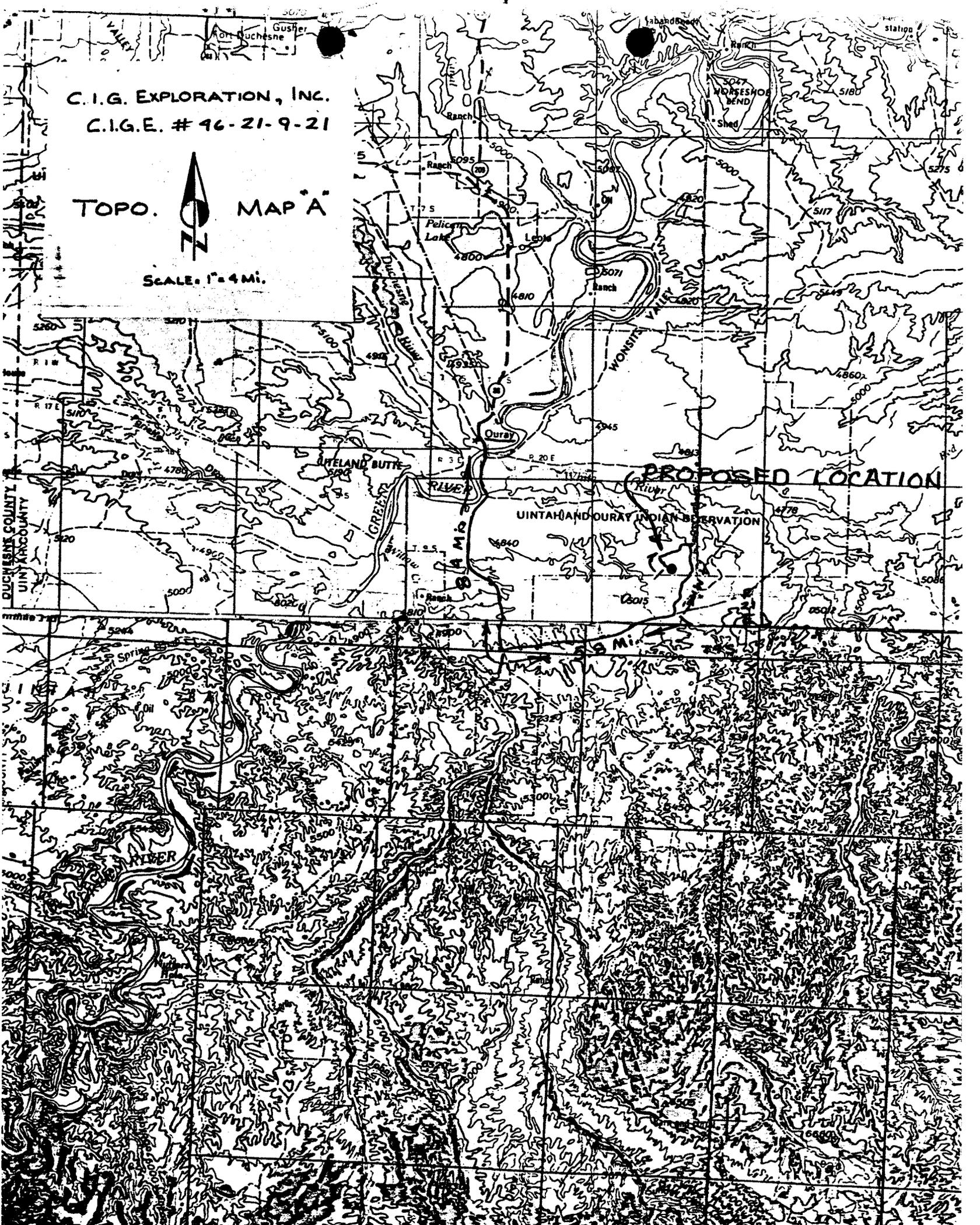
SCALE 1" = 1000'	DATE 10/9/78
PARTY DA JB RP	REFERENCES GLO Plat
WEATHER Clear / Hot	FILE C. I. G. E.

X = Section Corners Located

C.I.G. EXPLORATION, INC.  
C.I.G.E. # 46-21-9-21



SCALE: 1" = 4 Mi.



CIGE 46-21-9-21  
Section 21, T9S, R21E  
Uintah County, Utah

10-POINT PROGRAM

1. Geologic name of surface formation:

UINTA

2. The estimated tops of important geologic markers:

GREEN RIVER 1700'

WASATCH 4900'

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

WASATCH 4900' GAS

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

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

4-1/2" - N-80, LT&C - 11.6# NEW

5. The Operators' minimum specifications for pressure control equipment which is to be used, a schematic diagram thereof showing sizes, pressure ratings, and testing procedures and testing frequency:

Bottom:

3000# BOP W/4-1/2" pipe rams  
3000# BOP W/blind rams  
3000# Hydril

Top:

Grant rotating head

Manifold includes appropriate valves, positive and adjustable chokes and kill line to control abnormal pressures.

BOP's will be tested at installation and will be cycled on each trip.

6. The type and characteristics of the proposed circulating medium to be employed for rotary drilling and the quantities and types of mud and weighting material to be maintained:

6. Continued --

The well will be drilled with fresh water from surface to 4500' with a weight of 8.3 to 8.7 . From 4500' to TD the well will be drilled with fresh wtr mud with a weight from 8.7 to 10.4 . Sufficient weighting material (barite) will be on location to increase the mud weight if abnormal pressure is encountered.

7. The auxiliary equipment to be used:

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

8. The testing, logging and coring program to be followed:

No DST's are planned  
No cores are expected to be cut.

LOGS: Dual-Induction Laterolog  
Compensated Neutron-Formation Density

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

No abnormal pressures or temperatures expected  
No hydrogen sulfide expected

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

December 15, 1978 three week duration.

**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.

C.I.G. EXPLORATION INCORPORATED

13 Point Surface Use Plan

for

Well Location

C.I.G.E. #46-21-9-21

Located In

Section 21, T9S, R21E, S.L.B. & M.

Uintah County, Utah

C.I.G. EXPLORATION INCORPORATED  
C.I.G.E. #46-21-9-21  
Section 21, T9S, R21E, S.L.B. & M.

1. EXISTING ROADS

See attached Topographic Map "A".

To reach C.I.G. Exploration Incorporated, well location C.I.G.E. #46-21-9-21 located in the NE 1/4 NE 1/4 Section 21, T9S, R21E, S.L.B. & M., Uintah County, Utah; proceed Westerly out of Vernal, Utah along U.S. Highway 40, 14 miles to the junction of this road and Utah State Highway 209; proceed South along Utah State Highway 209 7 miles, more or less, to the junction of this Highway 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, + 8.4 miles to the junction of this road and an oil field service road to the East; proceed Easterly along this road 5.8 miles to the junction of this road and a road to the North; proceed Northerly along this road 2.6 miles to its junction with a road to the West; proceed Westerly along this road 1 mile to the junction of this road and the point that the proposed access road (to be discussed in Item #2) leaves the existing road and proceeds in a Southerly direction to the proposed location site.

The Highways mentioned in the foregoing paragraph are bituminous surfaced roads to Ouray, Utah at which point the County road is surfaced with native asphalt, to the oil field service road.

The aforementioned dirt oil field service road and other roads in the vicinity are constructed out of native materials that are prevalent to the areas they are located in and range from clays to a sandy-clay shale material.

There is no anticipated construction on any portion of the above described roads. They will meet the necessary standards required to facilitate an orderly flow of traffic during the drilling phase, completion phase, and the production phase of this well at such time that production is established.

The roads that are required for access during the drilling phase, completion phase, and production phase of this well, will be maintained at the standards required by the B.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 SW 1/4 SE 1/4 Section 16, T9S, R21E, S.L.B. & M., and proceeds in a Southerly direction 0.4 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 center-line) with drain ditches along either side of the proposed road where it is determined necessary in order to handle any run-off from normal meteorological conditions that are prevalent to this area.

Back slopes along the cut areas of the road will be 1 1/2 to 1 slopes and terraced.

2. PLANNED ACCESS ROAD - continued

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

The grade of this road will vary from flat to 8%, but will not exceed this amount. This road will be constructed from native borrow accumulated during construction.

If deemed necessary by the local governmental agencies or thier representatives, turnouts will be installed for safety purposes every 0.25 miles or on the top of ridges or at intervals and locations that will provide the greatest sight distance. These turnouts will be 200' in length and 10' in width and will be tapered from the shoulder of the road for a distance of 50' in length at both the access and outlet ends.

Any fences that are encountered along this access road will be cut and replaced with a cattleguard with a minimum width of 18' and a loading factor large enough to facilitate the heavy trucks required in the drilling and production of this well.

If cattleguards are to be located at existing gates, they will be installed with the above requirements and with a new gate installed at one end of the cattleguard.

The access from the road to the gate will be of such a nature that there will be no impedance of traffic flow along the main access road and no difficulties encountered by traffic utilizing the gate, either leaving or entering the proposed access road.

The terrain that this access road traverses is relatively flat and crosses a few small hills and washes. A culvert may be required in the wash to the North. This will be determined by the B.I.A. representatives.

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

3. LOCATION OF EXISTING WELLS

There are other wells within a one mile radius of this well. For exact location of this well within Section 21, T9S, R21E, S.L.B. & M., see location plat.

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

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

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

The area will be built, if possible, with native materials and if these materials are not available then the necessary arrangements will be made to get them from private sources.

The proposed gas flow line will be an 18' right of way which will run in a

C.I.G. EXPLORATION INCORPORATED  
C.I.G.E #46-21-9-21  
Section 21, T9S, R21E, S.L.B. & M.

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

Southeasterly direction approximately 1.2 miles to an existing pipe-line at a point located in the NW 1/4 of Section 21, T9S, R21E, S.L.B. & M., (See Topographic Map "B").

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

5. LOCATION AND TYPE OF WATER SUPPLY

See Topographic Map "A".

Water to be used for the drilling and production of this well will be hauled from the White River at a point near the Mountain Fuel Bridge located in the SW 1/4 NE 1/4 Section 17, T9S, R22E, S.L.B. & M. The water will be hauled by truck over roads described in Item #1 and the proposed access road, to the proposed location site, a distance of approximately 10.4 miles.

In the event that the above source is not used, the water will be hauled by truck utilizing the roads described in Items #1 and #2, from the White River South of Ouray, Utah a distance of approximately 16.2 road miles.

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

6. SOURCE OF CONSTRUCTION MATERIAL

All construction material for this location site and access road shall be borrow material accumulated during construction of the location site and access road. No additional road gravels or pit lining material from other sources are anticipated at this time, but if they are required, the appropriate actions will be taken to acquire them from private sources.

The native material that will be used in the construction of this location site and access road will consist of sandy-clay soil and sandstone and shale material gathered in actual construction of the road and location.

7. METHODS FOR HANDLING WASTE DISPOSAL

A reserve and burn 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 burned in the burn pit. Non-flammable material such as cuttings, salts, chemicals, etc., will be buried in the reserve pit and covered with a minimum of four feet of earth material. Prior to the onset of drilling, the burn pit will be fenced on all four sides with a net wire, and the reserve pit will be fenced on three sides. Upon completion of drilling the fourth side of the reserve pit will be fenced and allowed to dry completely before backfilling and reclamation are attempted. A portable chemical toilet will be supplied for human waste.

8. ANCILLARY FACILITIES

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

9. WELL SITE LAYOUT

See attached Location Layout Sheet.

The B.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 pit shall be buried with a minimum of 4' of cover. The reserve pit will be completely fenced and allowed to dry before covering. When restoration activities have been completed the location site and access ramp shall be reseeded with a seed mixture recommended by the B.L.M. District Manager when the moisture content of the soil is adequate for germination. The Lessee further covenants and agrees that all of said cleanup and restoration activities shall be done and performed in a diligent and most workmanlike manner and in strict conformity with the above mentioned Items #7 and #10.

11. OTHER INFORMATION

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

The area slopes from the rim of the Book Cliff Mountains to the South to the Green River to the North, and is a portion of the Roan Plateau. The area is interlaced with numerous canyons and ridges which are extremely steep with numerous ledges formed in sandstone, conglomerates, and shale deposits.

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

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

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

The soils of this semi-arid area are of the Uinta Formation and Duchesne River Formation (the Fluvial Sandstone and Mudstone) from the Eocene Epoch and Quaternary Epoch (gravel surfaces) and the visible geologic structure consists of light brownish-gray clays (OL) to sandy soils (SM-ML) with poorly graded gravels and shales with

C.I.G.E EXPLORATION INCORPORATED  
C.I.G.E. #46-21-9-21  
Section 21, T9S, R21E, S.L.B. & M.

11. OTHER INFORMATION - continued

outcrops of rock (sandstone, mudstone, conglomerates, and shales).

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

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

The birds of the area are raptors, finches, ground sparrows, magpies, crows, and jays.

The area is used by man for the primary purpose of grazing domestic livestock.

The Topography of the Immediate Area (See Topographic Map "B").

C.I.G.E. #46-21-9-21 location site sits on a relatively flat area at the base of a small, gently sloping hill that extends to the North. The proposed location site lies approximately 2.5 miles South of the White River. There is a small drainage which will need to be re-routed around the location site.

The non-perennial drainages in the immediate area drain to the North, and are tributaries to the aforementioned White River.

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

The ground slopes from the Southwest through the location to the Northeast at approximately 3% grade.

The location is covered with some sagebrush, and grasses.

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

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

12. LESSEE'S OPERATOR'S REPRESENTATIVE

Frank R. Midkiff  
P.O. Box 749  
Denver, Colorado 80201

TELE: 1-303-572-1121

C.I.G. EXPLORATION INCORPORATED  
C.I.G.E #46-21-9-21  
Section 21, T9S, R21E, S.L.B. & M.

13. CERTIFICATION

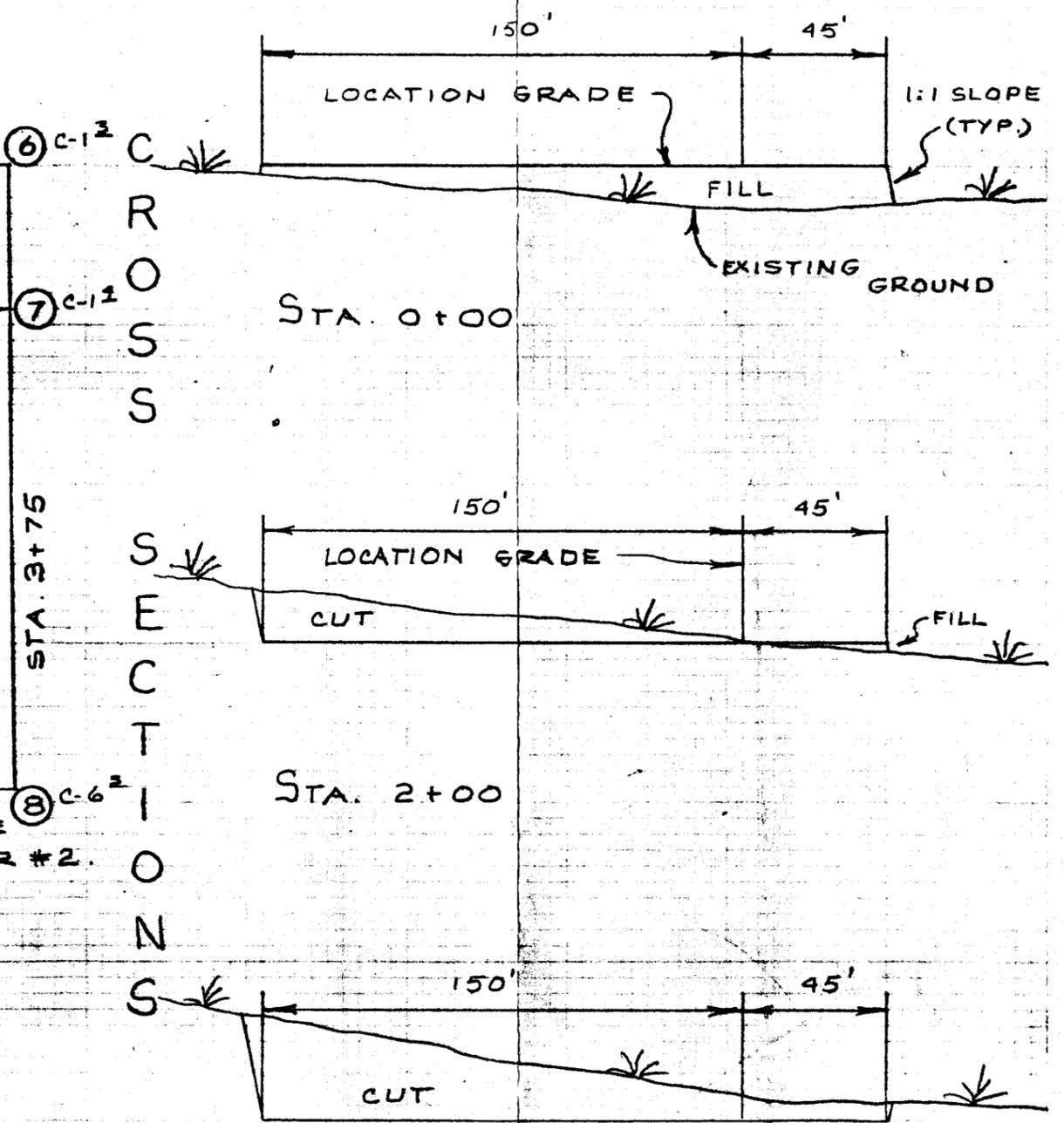
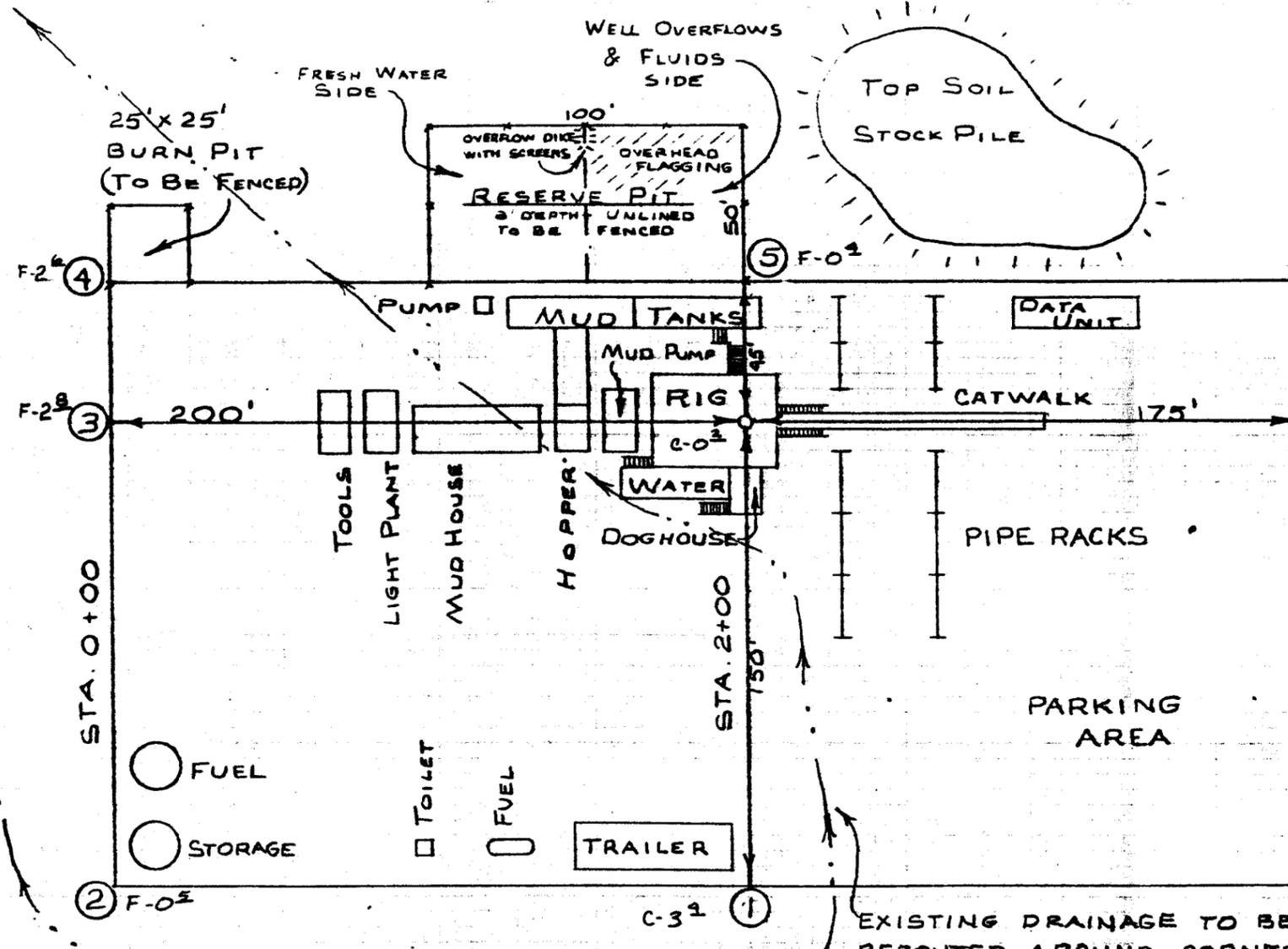
I hereby certify that I, or persons under my direct supervision, have inspected the proposed drill site and access route; that I am familiar with the conditions which presently exist; that the statements made in this plan are to the best of my knowledge, true and correct; and that the work associated with the operations proposed herein will be performed by C.I.G. Exploration Incorporated and its contractors and sub-contractors in conformity with this plan and terms and conditons with this plan and terms and conditions with which it is approved.

Date

10/23/78

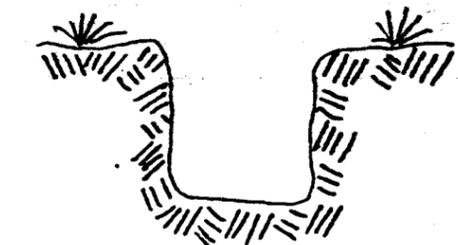
Frank R. Midkiff  
• Frank R. Midkiff  
District Manager

**C.I.G. EXPLORATION**  
 C.I.G.E. # 46-21-9-21  
 LOCATION LAYOUT & CUT SHEET

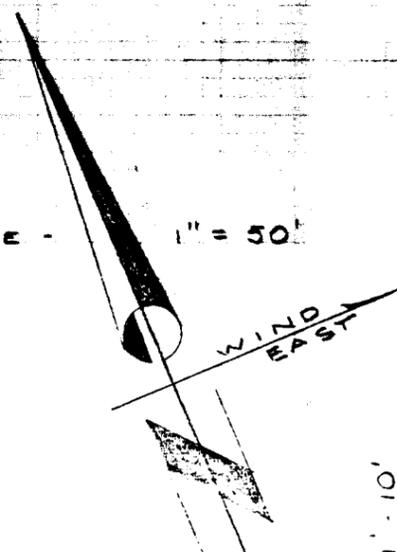


PROPOSED DRAINAGE

SOILS LITHOLOGY  
 - NO SCALE -



SCALE - 1" = 50'



SCALE 1" = 10'

STA. 3+75

APPROX. YARDAGE  
 CUT 4,100 CU. YDS  
 FILL 1,416 CU. YDS.

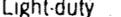
C.I.G. EXPLORATION, INC.

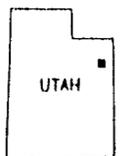
C.I.G.E # 46-21-9-21

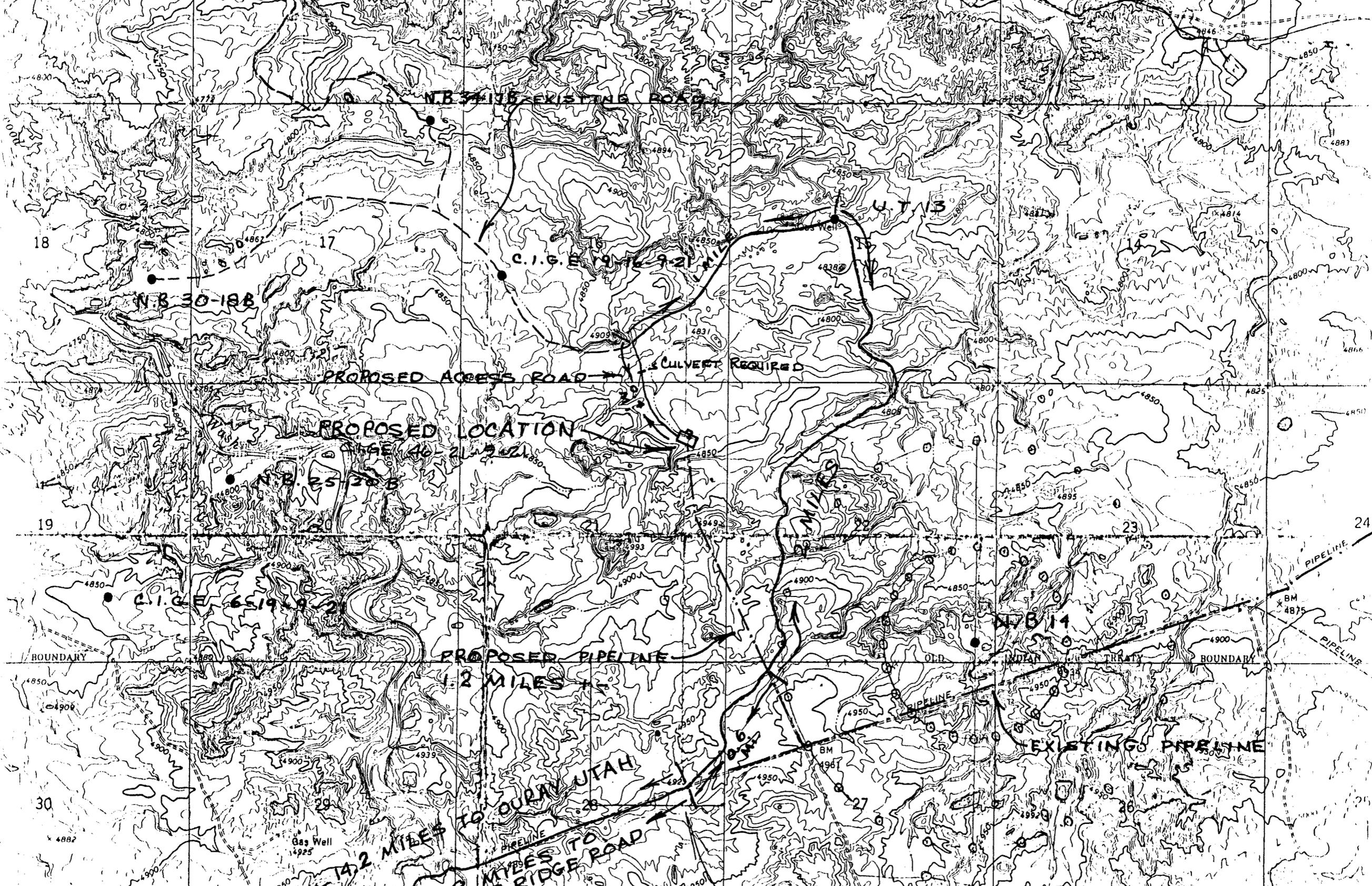


SCALE 1" = 2000'

ROAD CLASSIFICATION

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





N.B. 34115 EXISTING ROAD

U.T. 13

C.I.G. E 1916 9-21

N.B. 30-188

PROPOSED ACCESS ROAD

CULVERT REQUIRED

PROPOSED LOCATION

N.B. 25 38 B

C.I.G. E 6519 9-21

PROPOSED PIPELINE

1.2 MILES

N.B. 11

BOUNDARY

BOUNDARY

PIPELINE

PIPELINE

EXISTING PIPELINE

TO DURAN UTAH

TO RIDGE ROAD

18

17

13

19

23

24

30

28

27

26

4882

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BM 4967

BM 4875

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STATE OF UTAH  
DIVISION OF OIL, GAS, AND MINING

\*\* FILE NOTATIONS \*\*

Date: Nov. 2-

Operator: Cig Explorations

Well No: Natural Buttes #46-21-9-21

Location: Sec. 21 T. 9S R. 21E County: Uintah

File Prepared:

Entered on N.I.D.:

Card Indexed:

Completion Sheet:

API Number: B-049-30529

CHECKED BY:

Administrative Assistant: [Signature]

Remarks: Unit Well -

Petroleum Engineer: \_\_\_\_\_

Remarks: \_\_\_\_\_

Director: [Signature]

Remarks: \_\_\_\_\_

INCLUDE WITHIN APPROVAL LETTER:

Bond Required: [Signature]

Survey Plat Required:

Order No. \_\_\_\_\_

Surface Casing Change   
to \_\_\_\_\_

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

O.K. Rule C-3

O.K. In Nat. Buttes Unit

Other: \_\_\_\_\_

Letter Written/Approved

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

Usual Environmental Analysis

Lease No. U-0576

Operator CIGE

Well No. 46-21-9-21

Location 1019FNL;778 FEL Sec. 21 T. 9S R. 21E

County Uintah State Utah Field Bitter Creek

Status: Surface Ownership Indian Minerals Federal

Joint Field Inspection Date November 8, 1978

Participants and Organizations:

Lynn Hall

Bureau of Indian Affairs

Floyd Murray

Casada Construction

J.F. Dick

Gas Producers Inc,

Gene Wilson

U.S. Geological Survey

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Related Environmental Analyses and References:

(1)

(2)

*Pad 200 x 275  
pit. 50 x 100  
0.4 mi. new access  
Stockpile topsoil  
3 ac.  
Arch. Survey Report*

Analysis Prepared by: Gene Wilson  
Environmental Scientist  
Salt Lake City, Utah

Reviewed by: George Eiwachak  
Environmental Scientist  
Salt Lake City, Utah

Date November 9, 1978

Noted - G. Diwachak

Proposed Action:

On October 23, 1978, CIGE filed an Application for Permit to Drill the No. 46-21-9-21 development well, a 7600-foot gas test of the Wasatch formation; located at an elevation of 4829ft. in the NE $\frac{1}{4}$ ;NE $\frac{1}{4}$  section 21 T.9S, R.21E SLB&M on Federal /Tribal mineral lands and Indian surface; Lease No. U-0576. There was no objection raised to the wellsite nor the access road.

A rotary rig would be used for the drilling. An adequate casing and cementing program is proposed. Fresh-water sands and other mineral-bearing formations would be protected. A Blowout Preventer would be used during the drilling of the well. The proposed pressure rating should be adequate. Details of the operator's NTL-6 10-Point Subsurface and 13-Point Surface Protection Plans are on file in the U.S.G.S. District Office in Salt Lake City, Utah, and the U.S.G.S. Northern Rocky Mountain Area Office in Casper, Wyoming.

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

The operator proposes to construct a drill pad 200ft. wide x 375ft. long, and a reserve pit 50ft. wide x 100ft. long. A new access road will be constructed 18ft. wide x 0.4mi. long. The existing road is used and maintained by CIGE and Belco. The operator proposes to construct production facilities on a disturbed area of the proposed drill pad. If production is established, plans for a gas flow line have been submitted to the appropriate agencies for approval. The anticipated starting date is December 15, 1978 and duration of drilling activities would be about 21 days.

Location and Natural Setting:

The proposed drillsite is approximately 17.9 miles southeast of the Quray, Utah, the nearest town. A good road runs to within 0.4 mi. of the location. This well is in the Bitter Creek field.

Topography:

The area slopes from the rim of the Book Cliff Mountains to the South to the Green River and is part of the Roan Plateau. The area has many ridges, benches, and Canyons with slope ledges formed from sandstones, conglomerates and shale deposits.

Geology:

The surface geology is Uintah formation. The soil is sandy clay to clay developing from the Uinta and Dushesne River formation. No geologic

hazards are known near the drillsite. Seismic risk for the area is minor. Anticipated geologic tops are filed with the 10-Point Subsurface Protection Plan. The geologic markers of interest to this activity are: Green River formation @ 1700' and the Wasatch formation @ 4900'.

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

The potential for loss of circulation does exist and is possible in the sandstone units. Loss of circulation may result in the lowering of the mud levels which might permit exposed upper formations to blowout or to cause formation to slough and stick to drill pipe. A loss of circulation would result in contamination due to the introduction of drilling muds, mud chemicals, filler materials, and water deep into the permeable zone, fissures, fractures, and caverns within the formation in which fluid loss is occurring. The use of special drilling techniques, drilling muds, and lost circulation materials may be effective in controlling lost circulation.

A geologic review of the proposed action has been furnished by the Area Geologist, U.S. Geological Survey, Salt Lake City, Utah. The operator's drilling, cementing, casing, and blowout prevention programs have been reviewed by the Geological Survey engineers and determined to be adequate.

#### Soils:

No detailed soil survey has been made of the project area. The top soils in the area range from a sandy clay to a clay-type soil. The soil is subject to runoff from rainfall and has a high runoff potential, and sediment production would be high. The soils are mildly to moderately alkaline and support the salt-desert shrub community. The soil would be removed from the surface and stockpiled. The soil would be spread over the surface of disturbed areas when abandoned to aid in rehabilitation of the surface. Rehabilitation is necessary to prevent erosion and encroachment of undesired species on the disturbed areas. The operator proposes to rehabilitate the location and access roads per the recommendations of the Bureau of Indian Affairs.

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

Air:

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

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

✓ Toxic or noxious are not anticipated.

Precipitation:

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

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

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

Surface-Water Hydrology:

The drainages of the area are non-perennial. The area drains primarily into the White River which later joins the Green River south of Ouray Utah. Some additional erosion would be expected in the area since surface vegetation would be removed. If erosion became serious, drainage systems such as water bars and dikes would be installed to minimize the problem. The proposed project should have minor impact on the surface-water systems.

The potentials for pollution would be present from leaks or spills. The operator is required to report and clean up all spills or leaks.

Ground-Water Hydrology:

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

The depths of fresh-water formations are listed in the 10-Point Sub-surface Protection Plan. There would be no tangible effect on water migration in fresh-water aquifers. The pits would be unlined. If fresh water should be available from the well, the owner or surface agency may request completion as a water well if given approval.

Vegetation:

Cactus, underdeveloped sage-brush and grasses. Plants in the area are of the salt-desert-shrub types. Proposed action would remove about three acres of vegetation. Removal of vegetation would increase the erosional potential and there would be a minor decrease in the amount of vegetation.

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

Wildlife:

A regional animal and plant inventory has been made by the Bureau of Land Management. No endangered plants or animals are known to habitat on the project area. The fauna of the area consists predominantly of mule varieties of small ground squirrels and other types of rodents and various types of reptiles. The area is used by man for the primary purpose of grazing domestic livestock and sheep. The birds of the area are raptors, ground sparrows, magpies.

Social-Economic Effect:

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

determined by a qualified cultural resource specialist.

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

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

The site is visible from any major roads. After drilling operations, completion equipment will not be visible to passersby and would not present a major intrusion.

The economic effect of one well would be difficult to determine. The overall effect of oil and gas drilling and production activity are significant in Uintah, Utah. But should this well discover a significant new hydrocarbon source, local, state and possibly national economics might be improved. In this instance, other development wells would be anticipated, with substantially greater environmental and economic impacts.

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

#### Land Use:

There are no National, State, or local parks, forests, wildlife refuges or ranges, grasslands, monuments, trails, or other formally designated recreational facilities near the proposed location.

#### Waste Disposal:

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

Alternatives to the Proposed Action:

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

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

(2) Minor relocation of the wellsite access road or any special restrictive stipulations or modifications to the proposed program would not significantly reduce the environmental impact. There are no severe vegetative, animal, or archaeological-historical-cultural conflicts at the site. Since only a minor impact on the environment would be expected, the alternative of moving the location is rejected. At abandonment, normal rehabilitation of the area such as contouring, reseeding, etc., would be undertaken with an eventual return to the present status as outlined in the 13-Point Surface Plan. Any additional stipulations or alterations to the 13-Point Plan will be furnished by the Bureau of Indian Affairs, Fort Duchesne, Utah.

Adverse Environmental Effects Which Cannot Be Avoided:

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

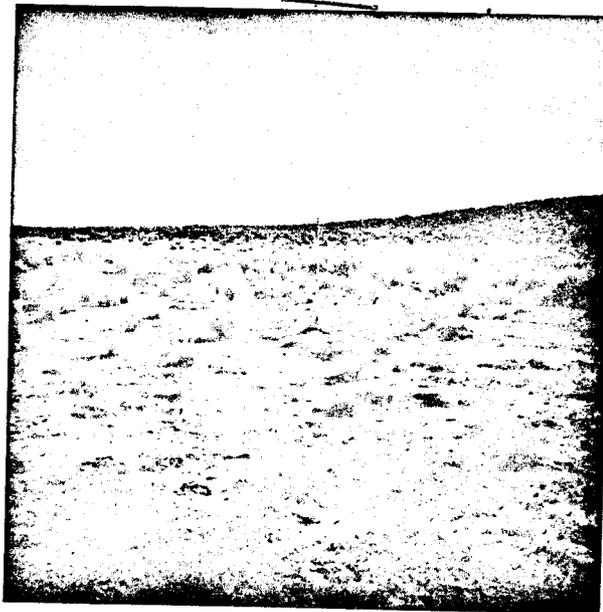
project would exist. If the well is a producer, an irreplaceable and irretrievable commitment of resources would be made. Erosion from the site would eventually be carried as sediment in the White River. The potential for pollution existing from leaks and spills is not great for this site. The probability of contamination leaching the White River and then the Green River is remote. This assessment is made with the assurance of good drilling practices.

Determination:

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

12/1/78  
Date

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



Looking SE . CIGE INC.  
46-21-9-21 11/8/78

**U.S. GEOLOGICAL SURVEY, CONSERVATION DIVISION**

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

**TO: DISTRICT ENGINEER, SALT LAKE CITY, UTAH**

Well	Location	Lease No.
CIG EXPLORATION, INC. # CIG 46-219-21	1019' FNL & 778' FEL (NE $\frac{1}{4}$ NE $\frac{1}{4}$ ) SEC 21 T. 9 S. R. 21 E. SLM JINTAH COUNTY, UTAH GLEI. 4829'	U-0576
<p>1. <b>Stratigraphy and Potential Oil and Gas Horizons.</b> The well will commence in the Ninta Formation. The operator anticipates gas in the Wasatch Formation. A number of tests have been drilled in this township so control is good. Estimated tops by operator should be reasonably close.</p> <p>2. <b>Fresh Water Sands.</b> Fresh water may be found to depths of about 500 feet in the Ninta Formation. Usable water may be found to depths of about 3,500 feet in the Green River Formation.</p> <p>3. <b>Other Mineral Bearing Formations. (Coal, Oil Shale, Potash, Etc.)</b> Location is in an area that is considered prospectively valuable for solid and semi-solid bitumens. Several gilsonite veins strike (NW-SE) across this section. Site is within oil shale withdrawal E.O 5327. The oil shale beds of the Green River Formation are found primarily in the Parachute Creek member (Mahogany zone) and should be protected accordingly. The mahogany zone should be encountered at about 2500± feet. Protect to 50 feet above and below mahogany zone.</p> <p>4. <b>Possible Lost Circulation Zones.</b> Unknown.</p> <p>5. <b>Other Horizons Which May Need Special Mud, Casing, or Cementing Programs.</b> aquifers penetrated. Protect any fresh/usable</p> <p>6. <b>Possible Abnormal Pressure Zones and Temperature Gradients.</b> None anticipated by operator.</p> <p>7. <b>Competency of Beds at Proposed Casing Setting Points.</b> Probably adequate.</p> <p>8. <b>Additional Logs or Samples Needed.</b> Operators logs should be adequate to delineate oil shale beds of the Parachute Creek.</p> <p>9. <b>References and Remarks</b> Within KGS.</p>		
<b>Date:</b> 10/30/78		<b>Signed:</b> R.E.G

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

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

Form approved.  
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

U-0576

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

Ute Tribe

7. UNIT AGREEMENT NAME

NATURAL BUTTES UNIT

8. FARM OR LEASE NAME

NATURAL BUTTES

9. WELL NO.

CIGE 46-21-9-21

10. FIELD AND POOL, OR WILDCAT

BITTER CREEK FIELD

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

Section 21, T9S, R21E

14. PERMIT NO.

43-047-30529

15. ELEVATIONS (Show whether DF, RT, GR, etc.)

4829' UNGRADED GROUND

12. COUNTY OR PARISH

UINTAH

13. STATE

UTAH

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

PULL OR ALTER CASING

FRACTURE TREAT

MULTIPLE COMPLETE

SHOOT OR ACIDIZE

ABANDON\*

REPAIR WELL

CHANGE PLANS

(Other) PIPELINE HOOKUP

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

REPAIRING WELL

FRACTURE TREATMENT

ALTERING CASING

SHOOTING OR ACIDIZING

ABANDONMENT\*

(Other) PIPELINE HOOKUP

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

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

SUPPLEMENT TO APPLICATION FOR PERMIT TO DRILL

(1) PROPOSED GAS WELL PRODUCTION HOOKUP

(A) TYPICAL WELL HEAD INSTALLATION

(B) TYPICAL MAIN LINES AND PIPE ANCHOR DETAIL

(2) PROPOSED PIPELINE MAP

(3) PROPOSED ROAD FOR FLOW LINE AND PIPELINE RIGHT OF WAY

FOR ON-SITE CONTACT:

EDWARD N. NORRIS AT (801) 789-2773

OR

IRA K. McCLANAHAN AT (303)473-2300

APPROVED BY THE DIVISION OF  
OIL, GAS, AND MINING

DATE: \_\_\_\_\_

BY: \_\_\_\_\_

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

SIGNED

*Ed Norris*

TITLE

*Sr. Ref. Engr.*

DATE

*12-14-78*

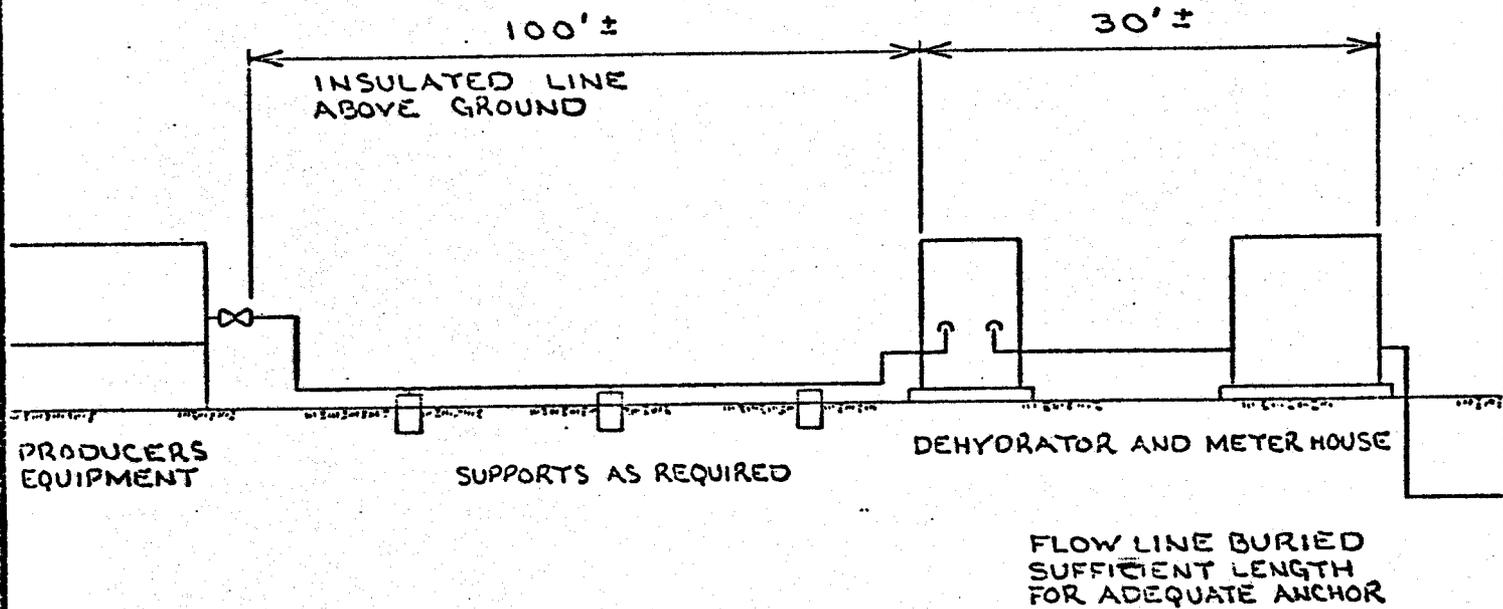
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APPROVED BY \_\_\_\_\_

TITLE \_\_\_\_\_

DATE \_\_\_\_\_

CONDITIONS OF APPROVAL, IF ANY:




Colorado Interstate Gas Co.  
 COLORADO SPRINGS, COLORADO

TYPICAL WELL HEAD INSTALLATION  
 NATURAL BUTTES FIELD

UINTAH COUNTY, UTAH

C.O. NO.	DESCRIPTION	DATE	BY	CHK	APPR.	SCALE: NONE	DRAWN: RWP	APP.	115FP-2 1/8
REVISIONS						DATE: 7-15-77	CHECK:	IC 23858	

PIPELINE TO BE ADEQUATELY ANCHORED TO PREVENT UNDUE MOVEMENT OR STRAIN TO EXISTING FACILITY. NUMBER AND SPACING OF ANCHORS TO BE DETERMINED IN FIELD

FOR PIPE ANCHOR DETAIL SEE DWG. 80FM3-4A

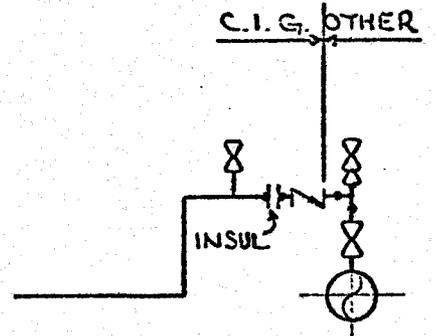
20'±

B.O. U.S.

EXIST. PIPELINE

ALTERNATE ANCHOR - BURY PIPELINE MIN. OF 18"

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



TYP. FOR CONN. TO M.F.S.

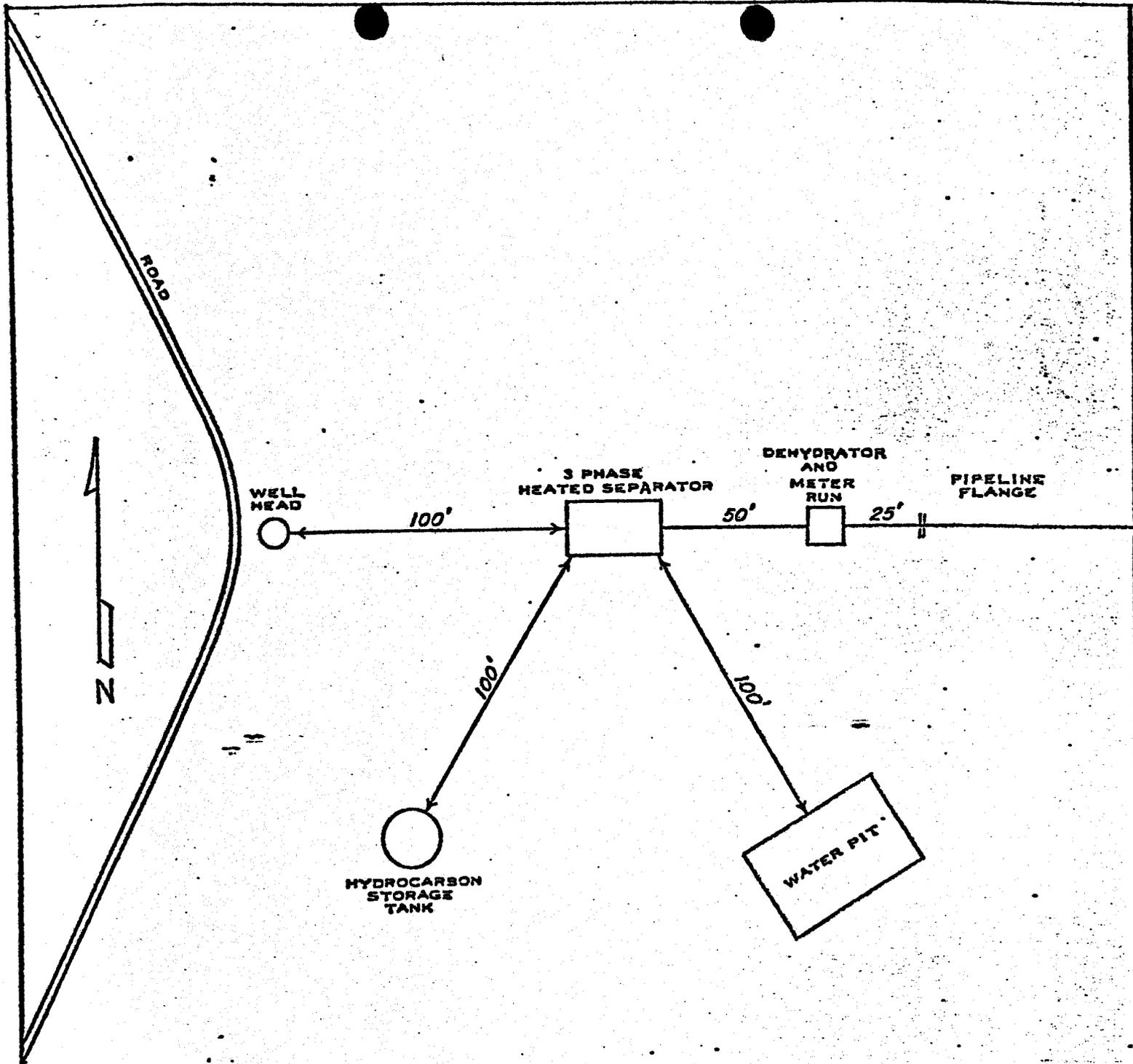

Colorado Interstate Gas Co.  
COLORADO SPRINGS COLORADO

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

UINTA COUNTY, UTAH

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

115FP-1 1/8



GAS PRODUCING ENTERPRISES, INC.  
DENVER, COLORADO

CIGE 46-21-9-21  
Section 21, T9S, R21E  
Uintah County, Utah

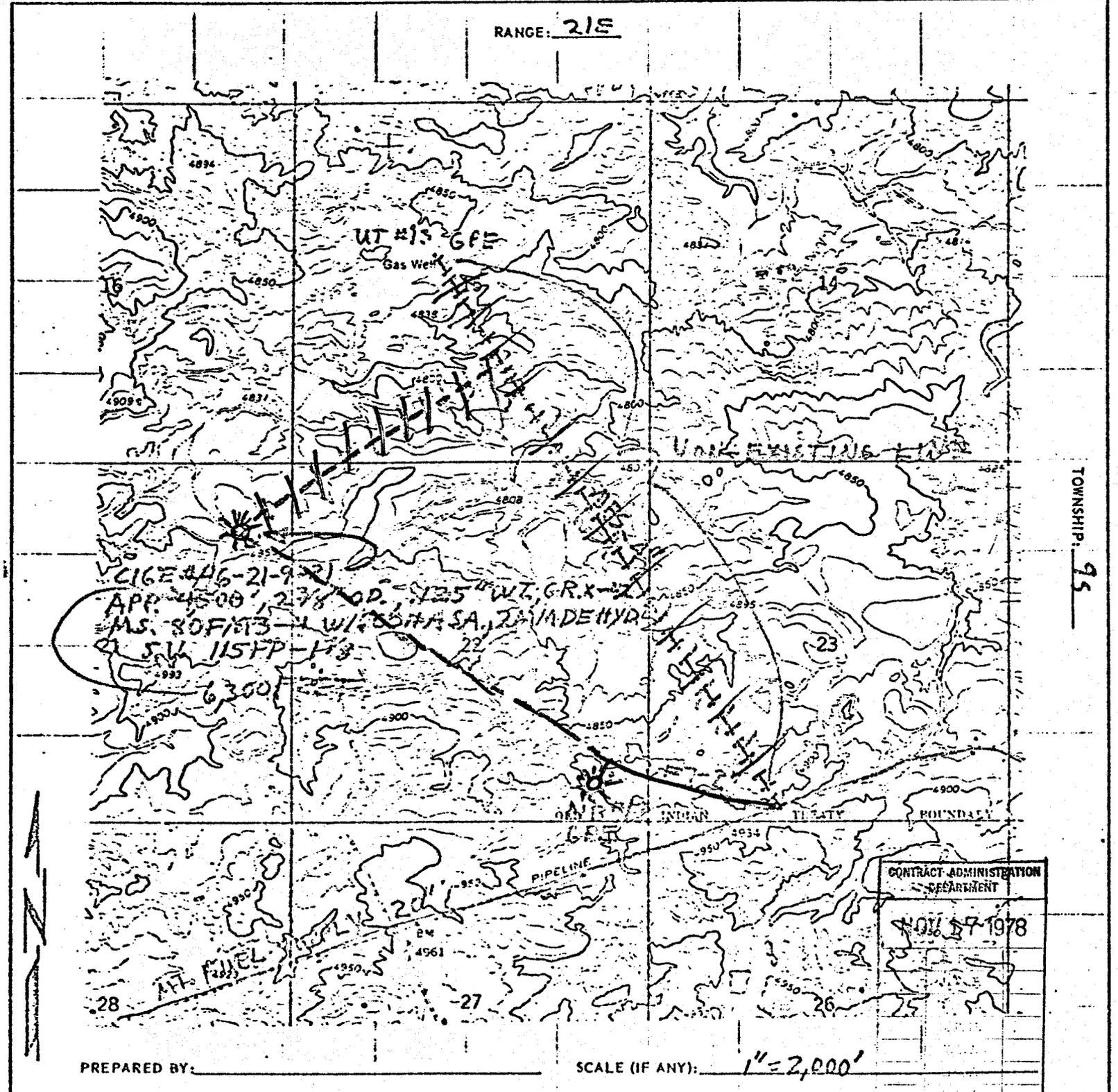
DATE: 11/13/78  
STARTING DATE: \_\_\_\_\_  
EST. COMP. DATE: \_\_\_\_\_  
 COMPANY  CONTRACT

COLORADO INTERSTATE GAS COMPANY  
 NORTHWEST PIPELINE CORPORATION

W. O. NO.: 24942  
REVISION NO.: 11/16/78  
BUDGET NO.: \_\_\_\_\_  
RELATED DWG.: 115F11-1(C)

LOCATION: 1019' ENL, 778' FEL SECT. # 21-95-21E COUNTY: Wintah STATE: Utah  
DESCRIPTION OF WORK: Connect CIGE # 46-21-9-21 Natural Buttes

REQUESTED BY: \_\_\_\_\_ APPROXIMATE MILEAGE: .85 PROJECT ENGINEER: JFK



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

Statement for permit to lay flow line, to be included with application for Drilling Permit -- CIGE #46-21-9-21.

Upon approval of all concerned regulatory agencies, CIG proposes to install a surface flow line from CIGE #46-21-9-21 in a Southeastern direction through the NE/4 of Section 21 and the W/2 of Section 22, thence Southeast and connecting to a 2" line (F7-2") from GPE N.B. #14 in the SE/4 of Section 22, all in T9S-R21E. The line will be approximately 4500' long as shown on the attached sketches.

Pipe will be 2-3/8" O.D. x .125" W.T., Grade X-42 EW. It will be butt-welded in place using portable electric welding machines, and will be laid above ground except where burial is necessary for road crossing, ditches, or other obstructions.

CIG will connect to Producer's separator and install dehydration and metering facilities within 100' of the connection.

Some damage will be incurred by trucks transporting pipe and welding equipment over the pipeline route, but surface disturbance will be held to a minimum.

January 18, 1979

MEMO TO FILE

Re: CIG EXPLORATION  
Well No. CIGE 46-21-9-21  
Sec. 21, T. 9S, R. 21E  
Uintah County, Utah

This office was notified on the above date that CIG Exploration spudded their CIGE 46-21-9-21 on January 15, 1979 at 10:00 a.m.

This office will be notified at a later date as to the drilling contractor and rig number.

CLEON B. FEIGHT  
DIRECTOR

CBF/lw  
cc: U.S. Geological Survey  
State Industrial Commisison

NOTICE OF SPUD

WELL NAME: C16E 46-21-9-21

LOCATION: NE 114 NE 114 SECTION 21 T- 9S R- 2/E

COUNTY: Utah STATE: UTAH

LEASE NO.: U-0576 LEASE EXPIRATION DATE: 6/30/70

UNIT NAME (If Applicable): NATURAL BUTTES UNIT

DATE & TIME SPUDDED: 10:00 am, 1-15-79

DRY HOLE SPUDDER: PARKER AIR DRILLING

DETAILS OF SPUD (Hole, Casing, Cement, etc.): 12 1/4" hole, drilled to

199' GL. Ran 5 JTS 9-5/8" 36 # 10-55 LT&C Rq-3  
@ Set @ 199' GL w/150 sx Class "6" w/20% CaCl

ROTARY RIG NAME & NUMBER: Either pto Rig # 5 or Luffland Rig # 12  
APPROXIMATE DATE ROTARY MOVES IN: 3-10-79

FOLLOW WITH SUNDRY NOTICE

USGS CALLED: DATE: 1-17-79

PERSON CALLED: MARY

STATE CALLED: DATE: 1-17-79

PERSON CALLED: Linda

REPORTED BY: Art Bohner

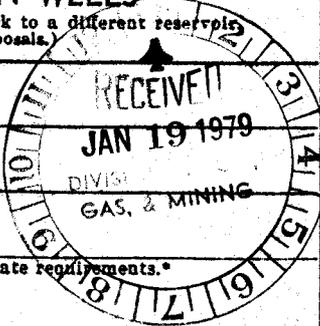
**UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY**

SUBMIT IN TRIPlicate  
(Other instructions on reverse side)

Form approved.  
Budget Bureau No. 42-R1424.

**SUNDRY NOTICES AND REPORTS ON WELLS**

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

1. <input type="checkbox"/> OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER			5. LEASE DESIGNATION AND SERIAL NO. <b>U-0576</b>
2. NAME OF OPERATOR <b>CIG EXPLORATION, INC.</b>			6. IF INDIAN, ALLOTTEE OR TRIBE NAME <b>UTE TRIBE</b>
3. ADDRESS OF OPERATOR <b>P. O. BOX 749, DENVER, CO 80201</b>			7. UNIT AGREEMENT NAME <b>NATURAL BUTTES UNIT</b>
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface  <b>1757' FSL &amp; 918' FEL SECTION 21-T9S-R21E</b>			8. FARM OR LEASE NAME <b>NATURAL BUTTES</b>
14. PERMIT NO. <b>43-047-30528</b>	15. ELEVATIONS (Show whether DF, RT, GR, etc.) <b>4775' UNGR. GR.</b>		9. WELL NO. <b>CIGE 46-21-9-21</b>
			10. FIELD AND POOL, OR WILDCAT <b>BITTER CREEK FIELD</b>
			11. SEC., T., R., M., OR BLE. AND SURVEY OR AREA <b>SECTION 21-T9S-R21E</b>
			12. COUNTY OR PARISH   13. STATE <b>UINTAH   UTAH</b>

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) _____	SPUD <input checked="" type="checkbox"/>
(Other) _____		(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.)\*

CONFIRMATION OF VERBAL REPORT OF SPUD ON 1-17-79 TO USGS (MARY) AND STATE (LINDA).

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

SIGNED *F. R. Midkiff* TITLE District Superintendent DATE 1/17/79  
F. R. Midkiff

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_

CONDITIONS OF APPROVAL, IF ANY:

\*See Instructions on Reverse Side

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

SUBMIT IN DUPLICATE

(See other instructions on reverse side)

Form approved.  
Budget Bureau No. 42-R355.5.

*ME*

**WELL COMPLETION OR RECOMPLETION REPORT AND LOG \***

1a. TYPE OF WELL: OIL WELL  GAS WELL  DRY  Other \_\_\_\_\_

b. TYPE OF COMPLETION: NEW WELL  WORK OVER  DEEP-EN  PLUG BACK  DIFF. RESVR.  Other \_\_\_\_\_

2. NAME OF OPERATOR *CIG Exploration*  
**GAS PRODUCING ENTERPRISES, INC.**

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

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)\*  
At surface  
**1019' FNL & 778' FEL SECTION 21-T9S-R21E**  
At top prod. interval reported below  
**SAME AS ABOVE**  
At total depth  
**SAME AS ABOVE**

*ME ME*

14. PERMIT NO. **43-047-30529** DATE ISSUED \_\_\_\_\_

5. LEASE DESIGNATION AND SERIAL NO.  
**U-0576**

6. IF INDIAN, ALLOTTEE OR TRIBE NAME  
**UTE TRIBE**

7. UNIT AGREEMENT NAME  
**NATURAL BUTTES UNIT**

8. FARM OR LEASE NAME  
**NATURAL BUTTES**

9. WELL NO.  
**CIGE 46-21-9-21**

10. FIELD AND POOL, OR WILDCAT  
**BITTER CREEK FIELD**

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA  
**SECTION 21-T9S-R21E**

12. COUNTY OR PARISH  
**UINTAH** 13. STATE  
**UTAH**

15. DATE SPUNDED **1-15-79** 16. DATE T.D. REACHED **2-20-79** 17. DATE COMPL. (Ready to prod.) **3-26-79** 18. ELEVATIONS (DF, RSB, RT, GR, ETC.)\* **4829' GL** 19. ELEV. CASINGHEAD **UNKNOWN**

20. TOTAL DEPTH, MD & TVD **7350'** 21. PLUG, BACK T.D., MD & TVD **7307' (FC)** 22. IF MULTIPLE COMPL., HOW MANY\* **N/A** 23. INTERVALS DRILLED BY **199' - TD** ROTARY TOOLS **TD** CABLE TOOLS **0 - 199' GL**

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)\*  
**5173' - 7190' WASATCH** 25. WAS DIRECTIONAL SURVEY MADE  
**YES**

26. TYPE ELECTRIC AND OTHER LOGS RUN  
**DIL, FDC-CNL** 27. WAS WELL CORED  
**NO**

RECEIVED  
APR 2 1979

28. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
9-5/8"	36#	199'	12-1/4"	150 SX	---
4-1/2"	11.6#	7350'	7-7/8"	2495 SX	---

29. LINER RECORD

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

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
NOT YET RUN		

31. PERFORATION RECORD (Interval, size and number)

1 SPF w/3-1/8" csg gun @ 5173', 5685', 6009', 6020', 6022', 6025', 6280', 6309', 6361', 6364', 6366', 6375', 7122', 7190'

Total 14 Holes

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
Acidize w/3500 gals	7-1/2% MSR + Ball Sealers
Frac w/ 25,000 gals	10# guar pad + 125,000 gals 40# gel + 250,000 # 20/40 sand; Displ. w/ 4200 gals 2% KCl wtr.

33.\* PRODUCTION

DATE FIRST PRODUCTION	PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)	WELL STATUS (Producing or shut-in)					
-----	FLOWING	SI					
DATE OF TEST	HOURS TESTED	CHOKER SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
3-26-79	24	19/64"	→	0	2.5 mmcf/d	0	-----
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)	
-----	1250	→	0	2.5 mmcf/d	0	-----	

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

35. LIST OF ATTACHMENTS  
**NONE**

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

SIGNED *F. R. Midkiff* TITLE **District Superintendent** DATE **3/30/79**

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

# INSTRUCTIONS

**General:** This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on items 22 and 24, and 38, below regarding separate reports for separate completions.

If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 35.

**Item 4:** If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

**Item 18:** Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments. **Items 22 and 24:** If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

**Item 29:** "Sacks Cement": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool. **Item 33:** Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

**37. SUMMARY OF POROUS ZONES:**  
SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF; CORED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.
NO CORES OR DST'S			

**38. GEOLOGIC MARKERS**

NAME	TOP	
	MEAS. DEPTH	TRUE VERT. DEPTH
GREEN RIVER	1650'	1650'
WASATCH	4996'	4996'

DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

(Other instructions on reverse side)

SUNDRY NOTICES AND REPORTS ON WELLS

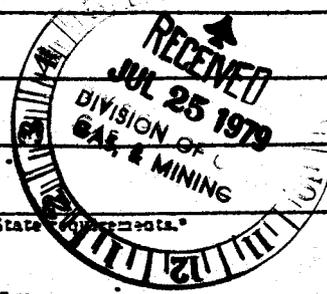
(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL  GAS WELL  OTHER

2. NAME OF OPERATOR  
C I G EXPLORATION, INC.

3. ADDRESS OF OPERATOR  
P.O. BOX 749, DENVER, CO. 80202

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.)  
At surface  
1019' FNL & 778' FEL, Section 21, T9S, R21E



5. LEASE DESIGNATION AND SERIAL NO.  
U-0576

6. IF INDIAN, ALLOTTEE OR TRIBE NAME  
SURFACE: UTE TRIBE

7. UNIT AGREEMENT NAME  
NATURAL BUTTES UNIT

8. FARM OR LEASE NAME  
NATURAL BUTTES

9. WELL NO.  
CIGE 46-21-9-21

10. FIELD AND POOL, OR WILDCAT  
BITTER CREEK FIELD

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
Section 21, 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"/>	FULL 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) Revised PIPELINE HOOKUP <input checked="" type="checkbox"/>	(Other) <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.)\*

REVISED SUPPLEMENT TO APPLICATION FOR PERMIT TO DRILL

ORIGINALLY PROPOSED PIPELINE ROUTE HAS BEEN REVISED. PLEASE SEE ATTACHED:

- (1) REVISED ROUTE
- (2) ORIGINAL ROUTE
- (3) STATEMENT RE FLOWLINE

FOR ON-SITE CONTACT:

EDWARD N. NORRIS AT (801) 789-2773

OR

IRA K. McCLANAHAN AT (303) 473-2300

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

SIGNED E. R. Midkiff TITLE District Superintendent DATE 7/23/79

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_

CONDITIONS OF APPROVAL, IF ANY: \_\_\_\_\_

ESTIMATE SKETCH

F94-4''

DATE: 4/4/79

COLORADO INTERSTATE GAS COMPANY  
 NORTHWEST PIPELINE CORPORATION

W. O. NO.: 24982

STARTING DATE: \_\_\_\_\_

REVISION NO.: \_\_\_\_\_

EST. COMP. DATE: \_\_\_\_\_

BUDGET NO.: \_\_\_\_\_

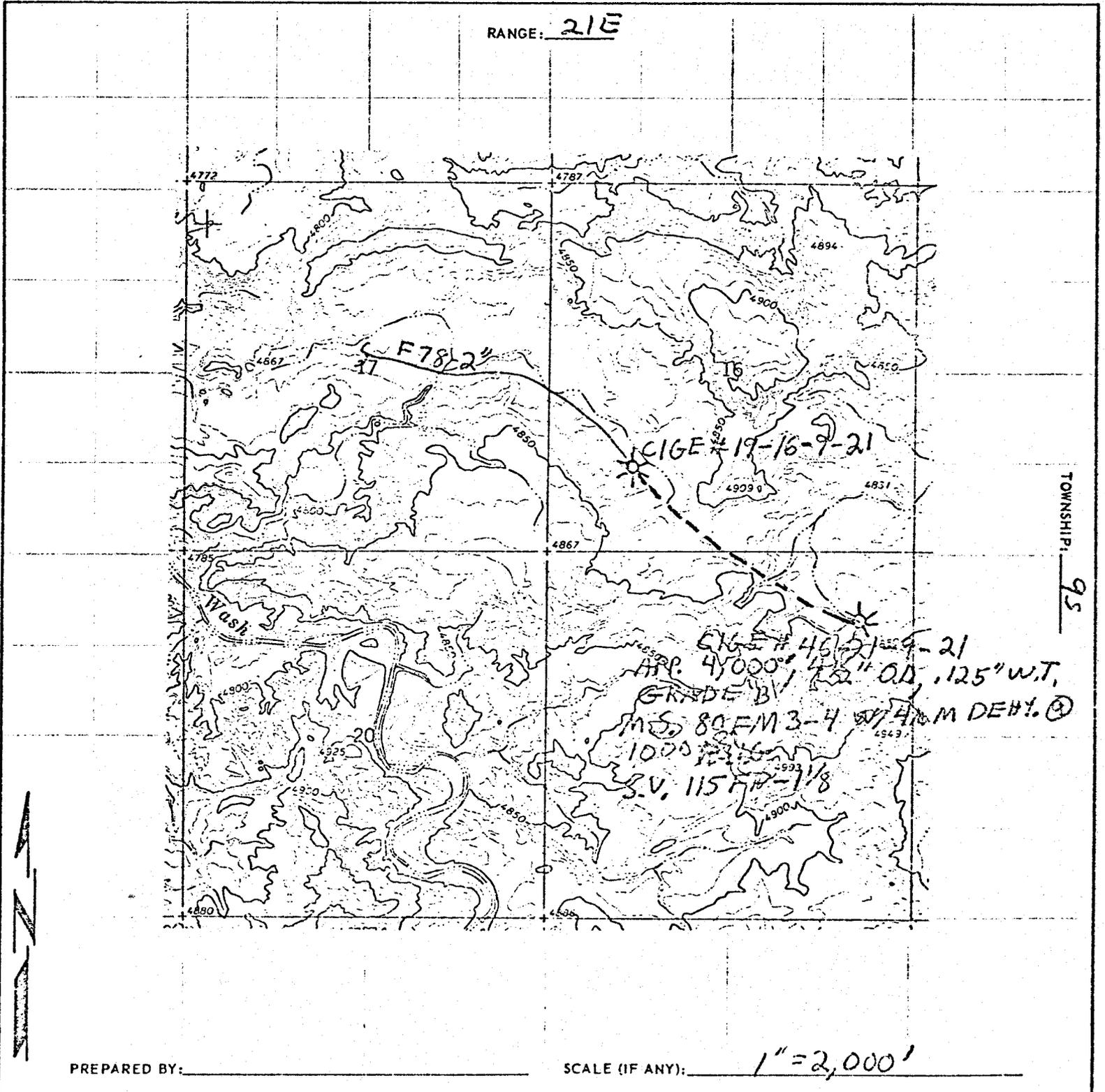
COMPANY  CONTRACT

RELATED DWG.: 115FH-1(c)

LOCATION: 1019' FNL, 778' PEL, SECT. 21-9S-21E COUNTY: Uintah STATE: Utah

DESCRIPTION OF WORK: Connect CIG#46-21-9-21 NATURAL BITES

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



PREPARED BY: \_\_\_\_\_

SCALE (IF ANY): 1" = 2,000'

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

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

**SUNDRY NOTICES AND REPORTS ON WELLS**

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

1. oil well  gas well  other

2. NAME OF OPERATOR  
Coastal Oil & Gas Corporation

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

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)  
AT SURFACE: 1019' FNL & 778' FEL  
AT TOP PROD. INTERVAL: SAME  
AT TOTAL DEPTH: SAME

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

5. LEASE  
U-0576

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

7. UNIT AGREEMENT NAME  
Natural Buttes Unit

8. FARM OR LEASE NAME  
Natural Buttes

9. WELL NO.  
CIGE 46-21-9-21

10. FIELD OR WILDCAT NAME  
Natural Buttes Field

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
Section 21-T9S-R21E

12. COUNTY OR PARISH | 13. STATE  
Uintah | Utah

14. API NO.  
43-047-30529

15. ELEVATIONS (SHOW DF, KDB, AND WD)  
4829' GL

REQUEST FOR APPROVAL TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF	<input type="checkbox"/>		<input type="checkbox"/>
FRACTURE TREAT	<input type="checkbox"/>		<input type="checkbox"/>
SHOOT OR ACIDIZE	<input type="checkbox"/>		<input type="checkbox"/>
REPAIR WELL	<input type="checkbox"/>		<input type="checkbox"/>
PULL OR ALTER CASING	<input type="checkbox"/>		<input type="checkbox"/>
MULTIPLE COMPLETE	<input type="checkbox"/>		<input type="checkbox"/>
CHANGE ZONES	<input type="checkbox"/>		<input type="checkbox"/>
ABANDON*	<input type="checkbox"/>		<input type="checkbox"/>
(other) <u>NTL-2B Unlined Pit</u>			

*Approval denied*

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

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

This application is to request approval to dispose of produced waters in an unlined pit with a bentonite seal. The subject well produces less than one BWPD. The attached water analysis gives the composition of produced waters. Water is produced from the Wasatch formation. The evaporation rate for the area compensated for annual rainfall is 70 inches per year. The percolation rate is 2-6 inches per hour for the area. The pit itself is 30' x 30' at the surface, tapering down to 25' x 25', having a depth of 6-1/2 feet. See the attached map for location of well site. The pit is located at the well site.

- Attachments: (1) Topo map  
(2) Water analysis

The areal extent and depth of waters containing less than 10,000 ppm TDS is unknown. The cement for the 4-1/2" casing is brought back near surface which protects all surface waters.

Subsurface Safety Valve: Manu. and Type \_\_\_\_\_ Set @ \_\_\_\_\_ Ft.

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

SIGNED F. R. Midkiff TITLE Production Superintendent DATE July 29, 1980

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_

CONDITIONS OF APPROVAL, IF ANY:

SAMPLE NO \_\_\_\_\_

# THE WESTERN COMPANY

Service Laboratory  
 Midland, Texas  
 Phone 683-2781 Day  
 Phone 683-4162 Night

Service Laboratory  
 Oklahoma City, Oklahoma  
 Phone 840-2771 Day  
 Phone 751-5470 Night

## WATER ANALYSIS

County UINTAH

Date Sampled 6-29-80

Field

Date Received 6-30-80

Operator CIGE

Submitted By KARL ODEN

Well CIGE # 46

Worked By JOHN KOTELEC

Depth

Other Description

Formation WASATCH

### CHEMICAL DETERMINATIONS as parts per million

Density 1.015 @ 21°C

pH 7.3

Iron 2 ppm

Hydrogen Sulfide NONE

Sodium and Potassium 10232

Bicarbonate 976

Calcium 600

Sulfate 420

Magnesium 112

Phosphate \_\_\_\_\_

Chloride 16286

as Sodium Chloride 26790

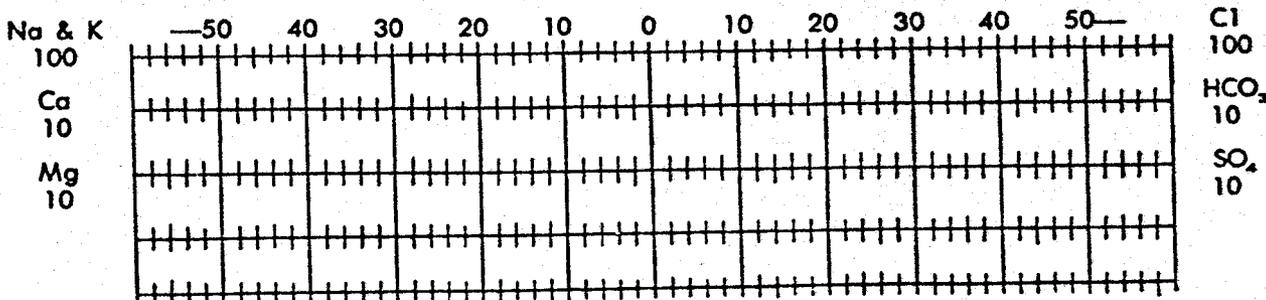
TOTAL ppm \_\_\_\_\_

Resistivity .25 ohm-meters @ 70°F

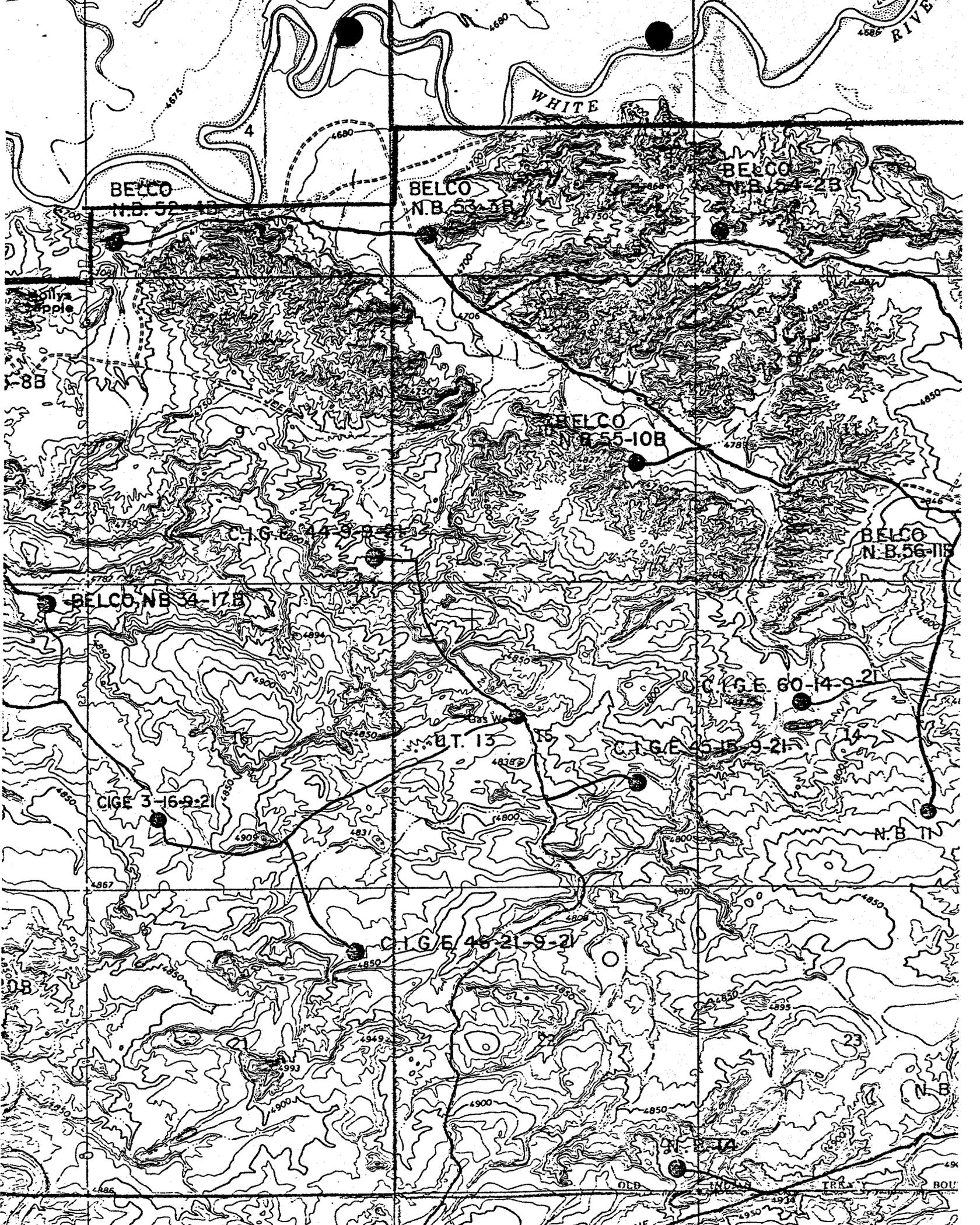
TOTAL HARDNESS- 1800 ppm as CaCO<sub>3</sub>

Remarks:

for Stiff type plot (in meq./l.)



Per \_\_\_\_\_



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

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

1. oil well  gas well  other

2. NAME OF OPERATOR  
Coastal Oil & Gas Corporation

3. ADDRESS OF OPERATOR  
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AT SURFACE: 1019' FNL & 778' FEL  
AT TOP PROD. INTERVAL: SAME  
AT TOTAL DEPTH: SAME

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

REQUEST FOR APPROVAL TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF	<input type="checkbox"/>		<input type="checkbox"/>
FRACTURE TREAT	<input type="checkbox"/>		<input type="checkbox"/>
SHOOT OR ACIDIZE	<input type="checkbox"/>		<input type="checkbox"/>
REPAIR WELL	<input type="checkbox"/>		<input type="checkbox"/>
PULL OR ALTER CASING	<input type="checkbox"/>		<input type="checkbox"/>
MULTIPLE COMPLETE	<input type="checkbox"/>		<input type="checkbox"/>
CHANGE ZONES	<input type="checkbox"/>		<input type="checkbox"/>
ABANDON*	<input type="checkbox"/>		<input type="checkbox"/>
(other) <u>NTL-2B Unlined Pit</u>			

*Approved  
Denied*

5. LEASE  
II-0576

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

7. UNIT AGREEMENT NAME  
Natural Buttes Unit

8. FARM OR LEASE NAME  
Natural Buttes

9. WELL NO.  
CIGE 46-21-9-21

10. FIELD OR WILDCAT NAME  
Natural Buttes Field

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
Section 21-T9S-R21E

12. COUNTY OR PARISH  
Uintah

13. STATE  
Utah

14. API NO.  
43-047-30529

15. ELEVATIONS (SHOW DF, KDB, AND WD)  
4829' Ungr. Gr.

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

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

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The areal extent and depth of waters containing less than 10,000 ppm TDS is unknown. The cement for the 4-1/2" casing is brought back near surface which protects all surface waters.

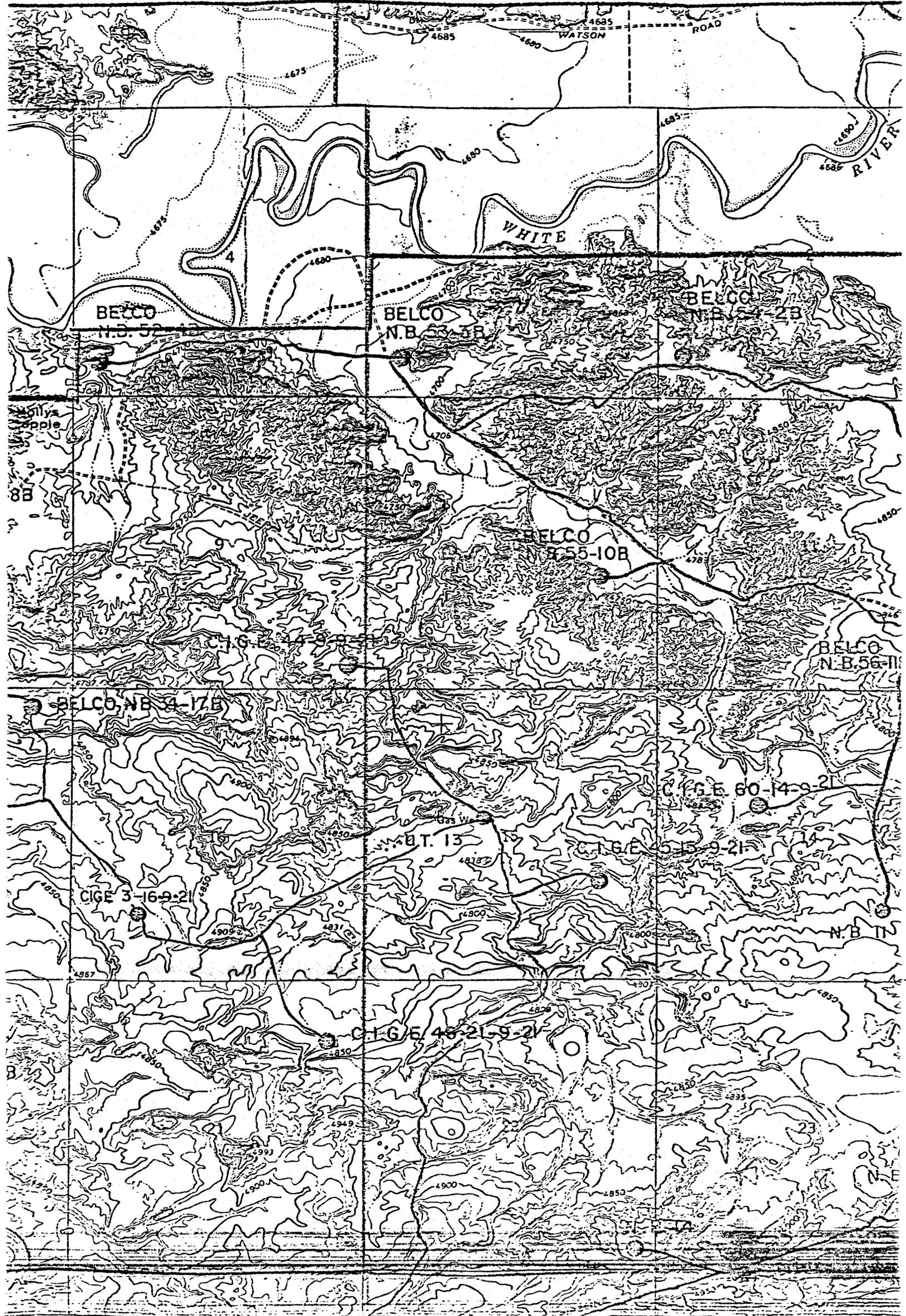
Subsurface Safety Valve: Manu. and Type \_\_\_\_\_ Set @ \_\_\_\_\_ Ft.

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

SIGNED *F. R. Midkiff* TITLE Production Superintendent DATE August 11, 1980

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_  
CONDITIONS OF APPROVAL, IF ANY:





COLORADO INTERSTATE GAS COMPANY

WELL TEST DATA FORM

STATE COPY

WELL CODE 01-11	FIELD NAME NATURAL BUTTES, UT	OPERATOR CODE 22	OPERATOR NAME CIG EXPLORATION INC	WELL NAME CIG 46-21-3-21
WELL CODE 3-7 25427	LOCATION SECT. TWNSHP/BLK RGE/SUR. 21 9S 21E	PANHANDLE/REDCAVE SEQ. NUMBER K-FACTOR	FORMATION WACATCH SA FLOW TEST	

WELL ON (OREN)										FLOW TEST																			
DATE (COMP.)			ORIFICE SIZE		METER RUN SIZE		COEFFICIENT		GRAVITY (SEP.)		METER DIFF. RANGE		METER PRESSURE		DIFFERENTIAL ROOTS		METER TEMP.		WELL HEAD TEMP.		FLOWING TBG/CSG PRESSURE		STATIC TBG/CSG PRESSURE		FLOWING STRING TUBING CASING				
MO.	DAY	YR.	MO.	DAY	YR.	23	27	28	32	33	38	39	42	43	45	46	51	52	55	56	58	59	61	62	67	68	73	74	75
X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
08	31	82	09	07	82	00	750																						

WELL-OFF (SHUT-IN)						SHUT-IN TEST										TO THE BEST OF MY KNOWLEDGE THE ABOVE DATA IS CORRECT.				
PRESSURE TAKEN			DATE			CASING PRESSURE (PSIG)		TUBING PRESSURE (PSIG)		SLOPE		EFFECTIVE DIAMETER		EFFECTIVE LENGTH		GRAVITY (RAW GAS)		EST CSG PRESS	EST TBG PRESS	
MO.	DAY	YR.	MO.	DAY	YR.	23	28	29	34	35	38	39	44	45	49	50	53	54	55	
X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	E	E		
09	07	82	09	10	82	01002	0	01000	0											

REMARKS: WELL UNLOADED A LITTLE SECOND TO LAST DR-1.

25427 00750

CIG: *K. G. Williams*  
 OPERATOR: *M. Brown*  
 COMMISSION:

METER  
STATUS

COLORADO INTERSTATE GAS COMPANY

STATE COPY

WELL TEST DATA FORM

FIELD CODE 560-01-11	FIELD NAME NATURAL BUTTES	OPERATOR CODE 2200	OPERATOR NAME CIG EXPLORATION INC	WELL NAME CIGE 46-21-9-21
-------------------------	------------------------------	-----------------------	--------------------------------------	------------------------------

WELL CODE 25427	SECT. 21	LOCATION TWN/SH/BLK 9S 21E	RGE/SUB. 21E	SEQ. NUMBER	K-FACTOR	FORMATION WASATCH SA	FLOW TEST	1
--------------------	-------------	----------------------------------	-----------------	-------------	----------	-------------------------	-----------	---

WELL ON (OPEN)												FLOW TEST																		
DATE (COMP.)						ORIFICE SIZE	METER RUN SIZE	COEFFICIENT	GRAVITY (SEP.)	METER DIFF. RANGE	METER PRESSURE	DIFFERENTIAL ROOTS	METER TEMP.	WELL HEAD TEMP.	FLOWING TBG/66G PRESSURE	STATIC T98/CSG PRESSURE	FLOWING STRING													
MO.	DAY	YR.	MO.	DAY	YR.												TUBING	CASING												
11-12	13-14	15-16	17-18	19-20	21-22	23	27	28	32	33	38	39	42	43	45	46	51	52	55	58	58	59	61	62	67	68	73	74	75	
X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
09	15	81	09	22	81	00	750	2	067			0	602	100	07090			03	20	099	110			00710	0	00800	0			✓

WELL-OFF (SHUT-IN)						SHUT-IN TEST										SLOPE				EFFECTIVE DIAMETER		EFFECTIVE LENGTH		GRAVITY (RAW GAS)	EST CSG PRESS	EST TBG PRESS	TO THE BEST OF MY KNOWLEDGE THE ABOVE DATA IS CORRECT.  CIG: <u>M. C. Kennedy</u> OPERATOR: _____ COMMISSION: _____
PRESSURE TAKEN			DATE			CASING PRESSURE (PSIG)		TUBING PRESSURE (PSIG)		SLOPE		EFFECTIVE DIAMETER		EFFECTIVE LENGTH		GRAVITY (RAW GAS)	EST CSG PRESS	EST TBG PRESS									
MO.	DAY	YR.	MO.	DAY	YR.	23	28	29	34	35	38	39	44	45	49	50	53	54	55								
X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	E	E								
06	15	81	06	18	81	01050	0	01045	0		900	4	0000		7350												

METER STAMP	25427 00750	REMARKS:
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WELL TEST DATA FORM

JUN 3 1980

FIELD CODE 560			FIELD NAME Natural Buttes					OPERATOR CODE G.P.E.		OPERATOR NAME G.P.E.					WELL NAME CIG # 46-21-9-21					
WELL CODE 3			LOCATION SECT. TWNSHP/BLK 21 9s 21E		PANHANDLE/REDCAVE RGE/SUR. 21E		SEQ. NUMBER		FORMATION Wasatch		COLO. OIL & GAS CONS. COM.					CIG # 46-21-9-21				

WELL ON (OPEN)												FLOW TEST																												
DATE (COMP.)			ORIFICE SIZE		METER RUN SIZE		COEFFICIENT		GRAVITY (SEP.)		METER DIFF. RANGE		METER PRESSURE		DIFFERENTIAL ROOTS		METER TEMP.		WELL HEAD TEMP.		FLOWING TBG/CSG PRESSURE		STATIC TSG/CSG PRESSURE		FLOWING STRING															
MO.	DAY	YR.	MO.	DAY	YR.	MO.	DAY	YR.	MO.	DAY	YR.	MO.	DAY	YR.	MO.	DAY	YR.	MO.	DAY	YR.	MO.	DAY	YR.	MO.	DAY	YR.	MO.	DAY	YR.	MO.	DAY	YR.								
11	12		13	14		15	18		17	18	19	20	21	22	23	27	28	32	33	38	39	42	43	45	46	51	52	55	56	58	59	61	62	68	73	75				
X	X		X	X		X	X		X	X		X	X		X	X		X	X		X	X		X	X		X	X		X	X		X	X		X	X		X	X

WELL-OFF (SHUT-IN)						SHUT-IN TEST						SLOPE		EFFECTIVE DIAMETER		EFFECTIVE LENGTH		GRAVITY (RAW GAS)		EST. CSG PRESS.	EST. TBG PRESS.	TO THE BEST OF MY KNOWLEDGE THE ABOVE DATA IS CORRECT.																		
PRESSURE TAKEN			DATE			CASING PRESSURE (PSIG)		TUBING PRESSURE (PSIG)																																
MO.	DAY	YR.	MO.	DAY	YR.	MO.	DAY	YR.	MO.	DAY	YR.	MO.	DAY	YR.	MO.	DAY	YR.	MO.	DAY	YR.	MO.	DAY	YR.	MO.	DAY	YR.														
11	12		13	14		15	18		17	18	19	20	21	22	23	28	29	34	35	38	39	44	45	49	50	53	54	55												
X	X		X	X		X	X		X	X		X	X		X	X		X	X		X	X		X	X		X	X		E	E									

METER STAMP: New Well No Stamp

REMARKS: Shut-in taken before initial delivery. No tubing in hole.

RECEIVED  
 DIVISION OF OIL & GAS  
 JUN 5 1980

NATURAL BUTTES UNIT  
COASTAL OIL & GAS CORPORATED - OPERATED (COGC)  
COLORADO INTERSTATE GAS EXPLORATION - OPERATED (CIGE)

Natural Duck

COGC 1-22-9-20  
COGC 2-22-9-20

Natural Buttes

COGC NBU (Ute Trail) #1W  
COGC NBU (Ute Trail) #1MV  
COGC NBU (Ute Trail) #7  
COGC NBU (Ute Trail) #52X  
COGC NBU (Ute Trail) #83X  
COGC NBU (Ute Trail) #88X

COGC NBU #1  
COGC NBU #3  
COGC NBU #4  
COGC NBU #6  
COGC NBU #7  
COGC NBU #8  
COGC NBU #9  
COGC NBU #10  
COGC NBU #11  
COGC NBU #12  
COGC NBU #13  
COGC NBU #14  
COGC NBU #15  
COGC NBU #16  
COGC NBU #17  
COGC NBU #18  
COGC NBU #19  
COGC NBU #20  
COGC NBU #22  
COGC NBU #23 N  
COGC NBU #24 N2  
COGC NBU #26

Highland (Coastal Operated)

NBU #27  
NBU #27A  
NBU #28  
NBU #29  
NBU #31

COGC NBU #32Y  
COGC NBU #33Y  
COGC NBU #35Y  
COGC NBU #36Y

COGC NBU #37XP  
COGC NBU #38 N2  
COGC NBU #39 N  
COGC NBU #41J  
COGC NBU #43 N  
COGC NBU #45 N  
COGC NBU #46 N

RECEIVED  
FEB 14 1934

DIVISION OF  
OIL, GAS & MINING

COGC NBU #47 N2  
COGC NBU #48 N3  
COGC NBU #49 V  
COGC NBU #50 N2  
COGC NBU #51 J  
COGC NBU #52 J  
COGC NBU #53 N  
COGC NBU #54 N  
COGC NBU #56 N2  
COGC NBU #57 N  
COGC NBU #58 N2  
COGC NBU #62 N  
COGC NBU #63 N3  
COGC NBU #64 N3  
COGC NBU #65 N3  
COGC NBU #68 N2  
COGC NBU #69 N2  
COGC NBU #70 N3  
COGC NBU #72 N3  
COGC NBU #74 N3  
COGC NBU #75 N3  
COGC NBU #80 V  
COGC NBU #81 V  
COGC NBU #83 J  
COGC NBU #84 V  
COGC NBU #85 J  
COGC NBU #86 J  
COGC NBU #87 J  
COGC NBU #98 V

CIGE NBU #2-29-20-21  
CIGE NBU #3-32-9-22  
CIGE NBU #4-9-10-21  
CIGE NBU #5-31-9-22  
CIGE NBU #6-19-9-21  
CIGE NBU #7-8-10-21  
CIGE NBU #8-35-9-22  
CIGE NBU #9-36-9-22  
CIGE NBU #10-2-10-22  
CIGE NBU #11-14-9-20 (W)  
CIGE NBU #13-7-10-21  
CIGE NBU #14-9-10-22  
CIGE NBU #15-8-10-22  
CIGE NBU #16-20-10-22  
CIGE NBU #18-2-10-21  
CIGE NBU #19-16-9-21  
CIGE NBU #20-20-10-22  
CIGE NBU #21-15-10-22  
CIGE NBU #22-15-9-10  
CIGE NBU #23-7-10-22  
CIGE NBU #24-29-9-22  
CIGE NBU #25-34-9-22  
CIGE NBU #27-33-9-22  
CIGE NBU #28-35-9-21  
CIGE NBU #30-6-10-21  
CIGE NBU #31-1-10-22  
CIGE NBU #32A-20-9-20

CIGE NBU #33-27-10-21  
CIGE NBU #34-13-10-20  
CIGE NBU #35-1-10-20  
CIGE NBU #36D-32-9-22  
CIGE NBU #37D-21-9-21P  
CIGE NBU #38-4-10-21  
CIGE NBU #40-3-10-21  
CIGE NBU #41-12-10-21  
CIGE NBU #42-25-9-21  
CIGE NBU #43-14-10-22  
CIGE NBU #44-9-9-21  
CIGE NBU #45-15-9-21  
CIGE NBU #46-21-9-21  
CIGE NBU #47-14-10-21  
CIGE NBU #48-15-10-21  
CIGE NBU #49-22-10-21  
CIGE NBU #51D-31-9-22P  
CIGE NBU #52-5-10-22  
CIGE NBU #53-6-10-22  
CIGE NBU #54D-35-9-21  
CIGE NBU #55-1-10-21  
CIGE NBU #56-34-9-21  
CIGE NBU #57-10-10-21  
CIGE NBU #58-16-10-21  
CIGE NBU #59-21-10-21  
CIGE NBU #60-14-9-21  
CIGE NBU #61-13-9-21  
CIGE NBU #62D-36-9-22P  
CIGE NBU #63D-29-9-22P  
CIGE NBU #64D-33-9-22P  
CIGE NBU #65-19-10-22  
CIGE NBU #66-23-10-21  
CIGE NBU #67A-2-10-22P  
CIGE NBU #68D-35-9-22P  
CIGE NBU #69-19-10-21  
CIGE NBU #70-20-9-21  
CIGE NBU #71-7-9-21  
CIGE NBU #72-18-9-21  
CIGE NBU #73D-5-10-22P  
CIGE NBU #74D-6-10-22P  
CIGE NBU #75D-8-10-21P  
CIGE NBU #76D-9-10-21P  
CIGE NBU #77D-10-10-21P  
CIGE NBU #78C-16-9-21P  
CIGE NBU #79D-1-10-21P  
CIGE NBU #80D-2-10-21  
CIGE NBU #81D-4-10-21  
CIGE NBU #83D-7-10-22P  
CIGE NBU #84D-12-10-21P  
CIGE NBU #85D-29-10-21  
CIGE NBU #86D-16-9-21P  
CIGE NBU #87D-34-9-21P  
CIGE NBU #88D-15-10-21P  
CIGE NBU #89D-34-9-22J

95.01E 01 30509

CIGE NBU #90D-9-9-21J  
CIGE NBU #91D-15-9-21J  
CIGE NBU #92D-13-10-20J  
CIGE NBU #93D-2-10-21J  
CIGE NBU #94D-14-10-21J  
CIGE NBU #95D-14-10-21J  
CIGE NBU #99D-25-9-21J

COGC NBU #11-14-9-20

Bluebell (Coastal Operated)

Asay

Powell Fee #3

Powell Fee #4

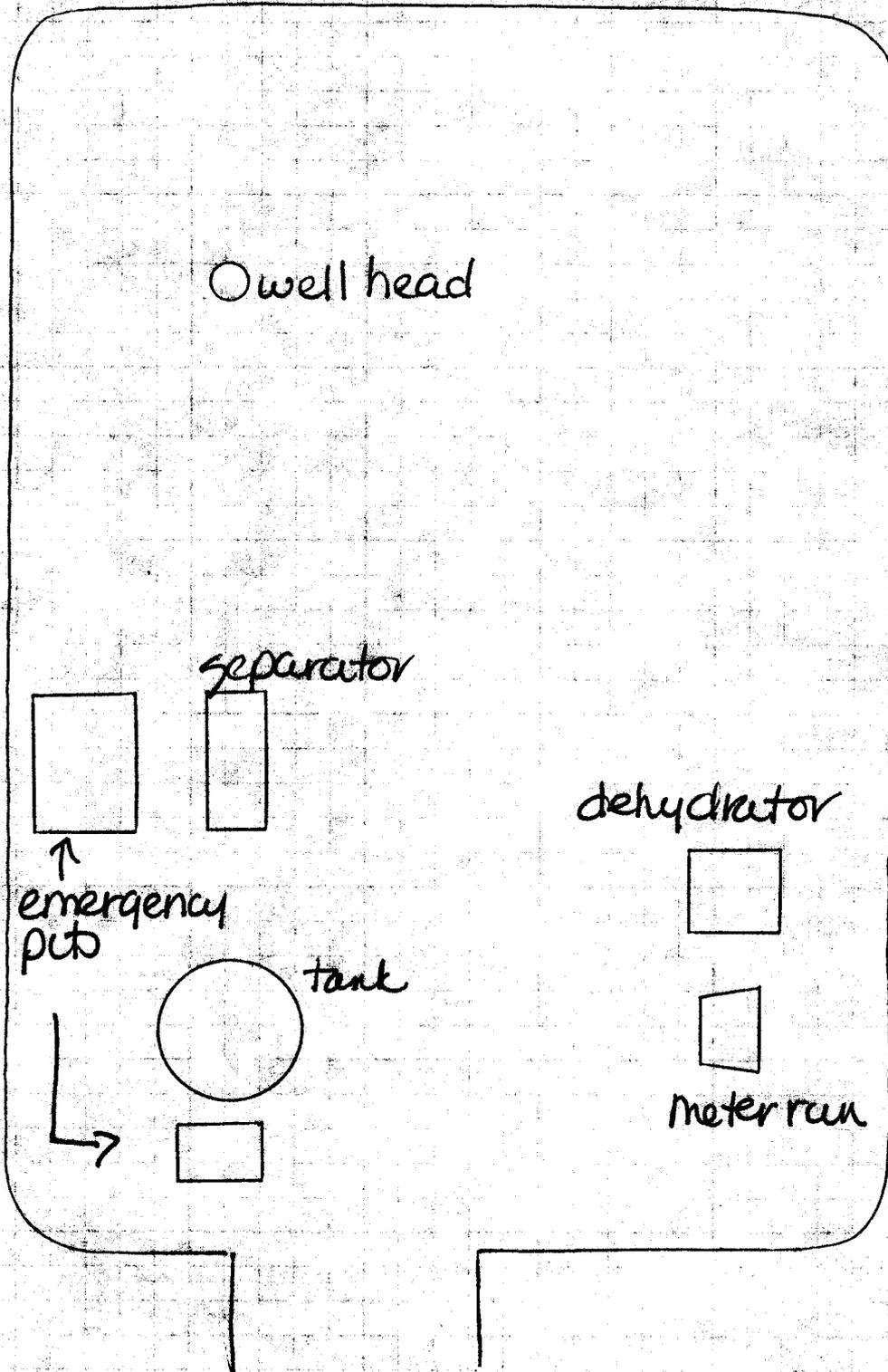
Ute Tribal #1-31

Powell Fee #3 SWD

Q16E 46

Sec 21, T99, RZIE

Hubly 12/20/88



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
Budget Bureau No. 1004-0135

Expires: March 31, 1993

**SUNDRY NOTICES AND REPORTS ON WELLS**  
Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.  
Use "APPLICATION FOR PERMIT" - for such proposals

5. Lease Designation and Serial No.

U-0576

6. If Indian, Alottee or Tribe Name

Ute Tribe

7. If Unit or CA, Agreement Designation

Natural Buttes Unit

8. Well Name and No.

CIGE 46-21-9-21

9. API Well No.

43-047-30529

10. Field and Pool, Or Exploratory Area

Natural Buttes Field

11. County or Parish, State

Uintah County, Utah

**SUBMIT IN TRIPLICATE**

1. Type of Well

Oil Well  Gas Well  Other

2. Name of Operator

Coastal Oil & Gas Corporation

3. Address and Telephone No.

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

(303) 573-4476

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

1019' FNL & 778' FEL  
NE/NE Section 21-T9S-R21E

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

TYPE OF SUBMISSION

TYPE OF ACTION

Notice of Intent  
 Subsequent Report  
 Final Abandonment Notice

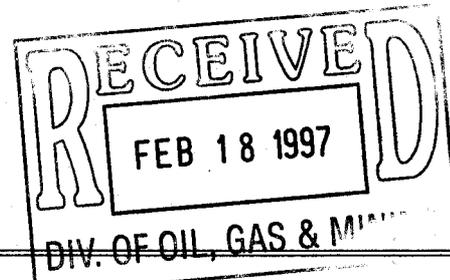
Abandonment  
 Recompletion  
 Plugging Back  
 Casing Repair  
 Altering Casing  
 Other install PLE

Change of Plans  
 New Construction  
 Non-Routine Fracturing  
 Water Shut-Off  
 Conversion to Injection  
 Dispose Water

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

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markets and zones pertinent to this work.)

The operator proposes to install plunger lift equipment in the subject well.



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

Signed Bonnie Carson Title Sr. Environmental & Safety Analyst Date 02/14/97  
Bonnie Carson

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_ Title \_\_\_\_\_ Date \_\_\_\_\_  
Conditions of approval, if any:



COASTAL OIL & GAS CORPORATION  
Attached hereto Sundry Notices and Reports on Wells dated July 7, 1997

Well Name & No.	API No.	Lease Designation & Serial Number	If Indian, Allottee or Tribe Name	Footages	Qtr/Qtr	Section	Township	Range	Field	County
CIGE #113D-21-9-21	43-047-31944	UTU-0576	Ute	2082' FNL & 1849' FEL	SW/NE	21	9S	21E	Natural Buttes	Uintah
CIGE #123-7-9-21	43-047-32047	UTU-0575B	N/A	1980' FNL & 1980' FEL	SW/NE	7	9S	21E	Natural Buttes	Uintah
CIGE #155-9-21	43-047-32157	UTU-011888	N/A	1613' FNL & 766' FEL	SE/NE	9	9S	21E	Natural Buttes	Uintah
CIGE #46-21-9-21	43-047-30529	U-0576	Ute	1019' FNL & 778' FEL	NE/NE	21	9S	21E	Natural Buttes	Uintah
CIGE #70-20-9-21	43-047-30636	U-0575	Ute	1894' FSL & 804' FEL	NE/SE	20	9S	21E	Natural Buttes	Uintah
CIGE #72-18-9-21	43-47-30634	U-0575	Ute	2049' FNL & 2291' FEL		18	9S	21E	Natural Buttes	Uintah
CIGE #90D-9-9-21J	43-047-31149	U-01188-B	Ute	774' FNL & 1942' FEL		9	9S	21E	Natural Buttes	Uintah
CIGE #91D-15-9-21J	43-47-31151	U-01188	Ute	630' FNL & 1652' FEL	NW/NE	15	9S	21E	Natural Buttes	Uintah
NBU #103	43-047-31956	UTU-0141315	Ute	2026' FNL & 1932' FWL	SE/NW	10	9S	21E	Natural Buttes	Uintah
NBU #111	43-47-31920	U-01194-ST	N/A	1982' FNL & 785' FWL	SW/NW	25	9S	21E	Natural Buttes	Uintah
NBU #120	43-047-31972	UTU-0141315	Ute	891' FNL & 532' FWL	NW/NW	10	9S	21E	Natural Buttes	Uintah
NBU #132	43-047-31938	U-01194	N/A	594' FNL & 850' FWL	NWNW	26	9S	21E	Natural Buttes	Uintah
NBU #142	43-047-32013	UTU-025187	N/A	1652' FSL & 1034' FEL	NE/SE	10	10S	22E	Natural Buttes	Uintah
NBU #143	43-047-32297	U-0141315	Ute	1752' FNL & 1713' FEL	NW/NE	10	9S	21E	Natural Buttes	Uintah
NBU #15	43-047-30204	ML-10170-01	N/A	1805' FWL & 601' FSL		26	9S	21E	Natural Buttes	Uintah
NBU #174	43-47-32193	U-0141315	N/A	454' FNL & 1154' FWL	NW/NW	11	9S	21E	Natural Buttes	Uintah
NBU #20	43-047-30250	U-0576	N/A	1330' FSL & 1330' FWL	SW	28	9S	21E	Natural Buttes	Uintah
NBU #205	43-047-32795	ML-23612	N/A	2110' FNL & 2607' FEL	SW/NE	1	10S	21E	Natural Buttes	Uintah
NBU #213	43-047-32401	U-025187	N/A	908' FNL & 1159' FWL	NW/NW	15	10S	22E	Natural Buttes	Uintah
NBU #217	43-047-32480	U-0576	Ute	1978' FSL & 2296' FWL	NE SW	28	9S	21E	Natural Buttes	Uintah
NBU #26	43-047-30252	U-01194-A-ST	N/A	1320' FSL & 1320' FEL		27	9S	21E	Natural Buttes	Uintah
NBU #31	43-047-30307	U-01197-A	N/A	1640' FWL & 1221' FSL	SW/SW	11	10S	22E	Natural Buttes	Uintah
NBU #39	43-047-30861	U-0132568A	N/A	1019' FWL & 956' FSL	SW/SW	29	10S	22E	Natural Buttes	Uintah
NBU #4	43-047-30056	U-0149075	N/A	757' FEL & 1399' FSL		23	9S	21E	Natural Buttes	Uintah
NBU #99	43-47-31745	U01194-ST	N/A	660' FSL & 660' FWL	SW/SW	25	9S	21E	Natural Buttes	Uintah

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

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

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5. Lease Designation and Serial No.

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CIGE 46-21-9-21

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**SUBMIT IN TRIPLICATE**

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

(303) 573-4476

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

1019' FNL & 778' FEL

NE/NE Section 21-T9S-R21E

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

TYPE OF SUBMISSION

TYPE OF ACTION

Notice of Intent  
 Subsequent Report  
 Final Abandonment Notice

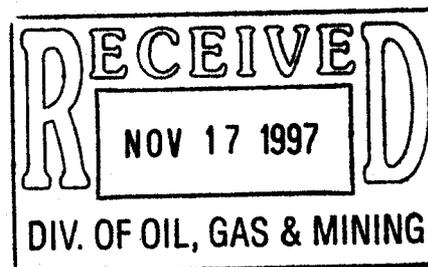
Abandonment  
 Recompletion  
 Plugging Back  
 Casing Repair  
 Altering Casing  
 Other install PLE

Change of Plans  
 New Construction  
 Non-Routine Fracturing  
 Water Shut-Off  
 Conversion to Injection  
 Dispose Water

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

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markets and zones pertinent to this work.)\*

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



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

Signed Bonnie Carson Title Sr. Environmental & Safety Analyst Date 11/13/97

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_ Title \_\_\_\_\_ Date \_\_\_\_\_

Conditions of approval, if any:

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

\*See Instruction on Reverse Side

**THE COASTAL CORPORATION  
PRODUCTION REPORT**

**CHRONOLOGICAL REPORT**

**CIGE #46  
Natural Buttes Field  
Uintah County, Utah**

**Page 1**

**4/29/97      Install PLE.**

**SUCO**  
Snyder Oil Corporation  
Southern Region

1200 Smith, Suite 3300  
Houston, Texas 77002  
713-646-6600

June 7, 1999

State of Utah  
Division of Oil, Gas & Mining  
355 West North Temple  
3 Triad Center, Suite 350  
Salt Lake City, UT 84180-1203

RE: \$80,000 Surety Blanket P & A Bond #5736975

Dear Sir or Madam:

Santa Fe Snyder Corporation was formed when Snyder Oil Corporation was merged into Santa Fe Energy Resources, Inc. on May 5, 1999. Copies of the approved merger, issued by the Delaware Secretary of State, are enclosed for your files.

As this merger causes "Snyder" to cease to exist and their activities are covered by bond #JZ7777, please release bond # 5736975 and return it to the sender.

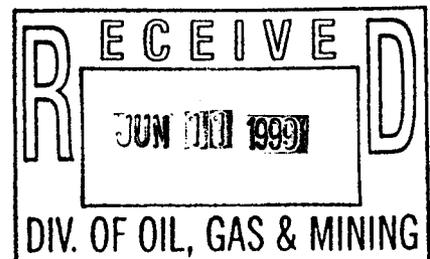
Thank you for your assistance in this matter.

Very truly yours,



Phillip W. Bode

Enclosure



**Santa Fe Energy Resources, Inc.**

June 7, 1999

State of Utah  
Division of Oil, Gas & Mining  
355 West North Temple  
3 Triad Center, Suite 350  
Salt Lake City, UT 84180-1203

RE: \$80,000 Surety Blanket P & A Bond #JZ7777

Dear Sir or Madam:

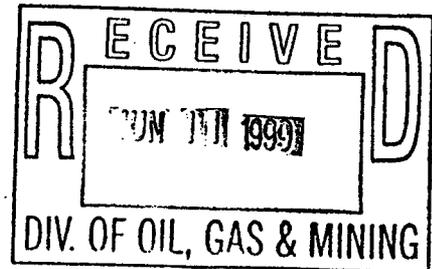
Enclosed is the above bond for Santa Fe Snyder Corporation. This corporation was formed when Snyder Oil Corporation was merged into Santa Fe Energy Resources, Inc. on May 5, 1999. Copies of the approved merger, issued by the Delaware Secretary of State, are enclosed for your files.

Thank you for your assistance in this matter.

Very truly yours,



Phillip W. Bode



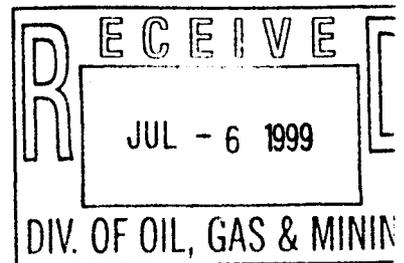
Enclosure



# United States Department of the Interior

## BUREAU OF LAND MANAGEMENT

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



In Reply Refer To:  
3106  
U-19037 et al  
(UT-932)

JUL 1 1999

### NOTICE

Santa Fe Snyder Corporation  
840 Gessner, Suite 1400  
Houston, TX 77024

:  
:  
:  
:

Oil and Gas

### Merger Recognized Name Change Recognized

Acceptable evidence has been filed in this office concerning the merger of Snyder Oil Corporation into Santa Fe Energy Resources, Inc. and the name being subsequently changed to Santa Fe Snyder Corporation as the surviving entity.

For our purposes the merger and name change are recognized effective June 1, 1999, per company request.

The oil and gas lease files identified on the enclosed exhibits have been noted as to the merger and name change. The exhibits were compiled from lists supplied by Santa Fe Snyder Corporation. We have not adjudicated the case files to determine if the entities affected by the merger and name change hold an interest in the leases identified, nor have we attempted to identify leases where the entities are the operator on the ground, maintaining no vested record title or operating rights interest. We are notifying the Minerals Management Service and all applicable BLM offices of the merger and name change by a copy of this notice. If additional documentation for a change of operator are required by our Field Offices, you will be contacted by them.

By recognition of the merger and the name change the principal on bonds held by Snyder and Santa Fe are automatically changed to Santa Fe Snyder Corporation. Riders to Nationwide Bond No. 400JF 5493 (BLM Bond No. UT0855) and Nationwide Bond No. 5473615 (BLM Bond No. WY2912) have been filed in the Utah State Office. It is the request of Santa Fe Snyder Corporation to change the name on BLM Bond No. UT0855 to reflect the merger/name change, and to terminate the period of liability on BLM Bond No. WY2912. A decision regarding this matter will follow in due course.

**Christopher J. Merritt**

Christopher J. Merritt  
Acting Group Leader,  
Minerals Adjudication Group

### Enclosures

1. Santa Fe Energy Resources, Inc. Exhibit of Leases
2. Snyder Oil Corporation Exhibit of Leases

cc:

All State Offices  
Moab Field Office  
Vernal Field Office  
MMS—Reference Data Branch, MS 3130, P.O. Box 5860, Denver, CO 80217  
State of Utah, DOGM, Attn: Kristen Risbeck (Ste. 1210) Box 145801, SLC, UT 84114-5801  
St. Paul Fire & Marine Insurance Co., 385 Washington St., St. Paul, MN 55102  
SAFECO Insurance Company of America, SAFECO Plaza, Seattle, WA 98185  
Santa Fe Snyder Corp., Attn: Phyllis Sobotik, 1625 Broadway, #2200, Denver, CO 80202  
Irene Anderson (UT-932)  
Teresa Thompson (UT-931)

SANTA FE LEASES

<u>LESSOR</u>	<u>STATE</u>	<u>LESSOR</u>	<u>STATE</u>
BLM NMNM-92488	NM	BLM WYW-59145	WY
BLM NMNM-45235	NM	BLM WYW-43661	WY
BLM NMNM-24877	NM	BLM WYW-0311938	WY
BLM NMNM-93398	NM	BLM WYW-52562	WY
BLM NMNM-96591	NM	BLM WYW EV-022932	WY
BLM NMNM-77894	NM	BLM WYW-27645	WY
BLM NMNM-65900	NM	BLM WYW-043930-A	WY
BLM NMNM-87977	NM	BLM WYW EV-026056	WY
BLM NMNM-65864	NM	BLM WYW-0322610	WY
BLM NMNM-95879	NM	BLM WYW-0320213	WY
BLM NMNM-97394	NM	BLM EV-023313-A	WY
BLM NMNM-98005	NM	BLM WYW-9578	WY
BLM NMNM-98006	NM	BLM WYW-96918	WY
BLM NMNM-98010	NM	BLM WYW-0320078	WY
BLM NMNM-95418	NM	BLM WYW-035599	WY
BLM NMNM-25667	NM	BLM WYW-2120	WY
BLM NMNM-98300	NM	BLM WYEV-024469	WY
BLM NMNM-98033	NM	BLM WYW-0136175	WY
BLM NMNM-998271	NM	BLM WYW-0136177	WY
BLM NMNM-98305	NM	BLM WYW-05991	WY
BLM NMNM-91179	NM	BLM WYW-02736	WY
BLM NMNM-85420	NM	BLM WYW EV-025548	WY
BLM NMNM-100956	NM	BLM EV-023313-E	WY
BLM NMNM-58393	NM	BLM EV-023313-B	WY
BLM OKNM 23555	OK	BLM WYW-21124	WY
BLM NM 15074 (OKLA)	OK	BLM WYW EV-022931	WY
BLM UTU-19037	UT	BLM WYW-61240	WY
BLM UTU-55626	UT	BLM WYW-18480	WY
BLM UTU-38354	UT	BLM WYW-51654	WY
BLM UTU-38401	UT	BLM WYW-50676	WY
BLM UTU-38430	UT	BLM COC-036289 A&B	WY
BLM UTU-42823	UT	BLM WYW-0942	WY
BLM WYEV-026201	WY	BLM WYW-63210	WY
BLM WYW-35860	WY	BLM WYW-66866	WY
BLM WYW-47198	WY	BLM WYW-102793	WY
BLM WYEV-022765	WY	BLM WYW-107726	WY
BLM WYEV-023941	WY	BLM W-70335	WY
BLM WYEV-026196	WY	BLM W-70496	WY
BLM WYEV-026201	WY	BLM W-70326	WY
BLM WYEV-026202	WY	BLM W-55746	WY
BLM WYEV-026204	WY	BLM W-56480	WY
BLM WYEV-026205	WY		
BLM WYEV-026208	WY		
BLM WYEV-026209	WY		
BLM WYW-04674	WY		
BLM WYW-023207	WY		
BLM WYW-023211	WY		
BLM WYW-0268735	WY		
BLM WYCHEY-037066	WY		
BLM WYW-58075	WY		
BLM WYW-17284	WY		
BLM WYW-17296	WY		
BLM WYW-17282(A)	WY		
BLM WYW-55067	WY		

**SNYDER LEASES**

<u>LESSOR</u>	<u>STATE</u>	<u>LESSOR</u>	<u>STATE</u>
USA COC-33237	CO	USA U-0136484	UT
USA COC-36719	CO	USA U-37573	UT
USA LAES 49122	LA	USA U-33433	UT
USA LAES 49123	LA	USA U-47172	UT
USA LAES 49124	LA	USA U-37355	UT
USA LAES 49125	LA	USA UTU-15855	UT
USA LAES 49127	LA	USA U-0142175	UT
USA LAES 49128	LA	USA UTU-02651	UT
USA LAES 49129	LA	USA UTU-02651-B	UT
USA LAES 49130	LA	USA U-34705	UT
USA LAES 49131	LA	USA U-40729	UT
USA LAES 49132	LA	USA U-58097	UT
USA LAES 49133	LA	USA U-30289	UT
USA LAES 49134	LA	USA UTU-72632	UT
USA LAES 49135	LA	USA UTU-73013	UT
USA LAES 49136	LA	USA UTU-64376	UT
USA LAES 49137	LA	USA UTU-38261	UT
USA LAES 49138	LA	USA UTU-28212	UT
USA LAES 49139	LA	USA UTU-28213	UT
USA LAES 49140	LA	USA UTU-38419	UT
USA LAES 49141	LA	USA U-53861	UT
USA LAES 49142	LA	USA UTU-38418	UT
USA LAES 49143	LA	USA UTU-66401	UT
USA LAES 49144	LA	USA U-38423	UT
USA LAES 49145	LA	USA UTU-38425	UT
USA LAES 49146	LA	USA U-38421	UT
USA LAES 49147	LA	USA UTU-38428	UT
USA LAES 49148	LA	USA U-38420	UT
USA LAES 49149	LA	USA UTU-34350	UT
USA LAES 49150	LA	USA UTU-39223	UT
USA LAES 49151	LA	USA U-64923	UT
USA LAES 49152	LA	USA UTU-40736	UT
USA LAES 49153	LA	USA U-075939	UT
USA LAES 49154	LA	USA U-70235	UT
USA LAES 49155	LA	USA UTU-44426	UT
USA LAES 49156	LA	USA UTU-57495	UT
USA LAES 49157	LA	USA UTU-57503	UT
USA LAES 49158	LA	USA UTU-52106	UT
USA LAES 49159	LA	USA UTU-59121	UT
USA LAES 49160	LA	USA UTU-73009	UT
USA LAES 49161	LA	USA UTU-73010	UT
USA LAES 49162	LA	USA UTU-50490	UT
USA LAES 49163	LA	USA UTU-65126	UT
USA LAES 49164	LA	USA UTU-49228	UT
USA LAES 49165	LA	USA UTU-53127	UT
USA LAES 49166	LA	USA UTU-65132	UT
USA LAES 49167	LA	USA UTU-63951	UT
USA LAES 49168	LA	USA UTU-47483	UT
USA LAES 49169	LA	USA UTU-63978	UT
USA LAES 49170	LA	USA UTU-69116	UT
USA LAES 49171	LA	USA UTU-65138	UT

**SNYDER LEASES**

<u>LESSOR</u>	<u>STATE</u>	<u>LESSOR</u>	<u>STATE</u>
USA LAES 49172	LA	USA UTU-54774	UT
USA LAES 49173	LA	USA UTU-71230	UT
USA LAES 49174	LA	USA UTU-71234	UT
USA LAES 49175	LA	USA UTU-44799	UT
USA LAES 49176	LA	USA UTU-57512	UT
USA LAES 49177	LA	USA UTU-53084	UT
USA LAES 49178	LA	USA UTU-53938	UT
USA LAES 49179	LA	USA UTU-61936	UT
USA LAES 49180	LA	USA UTU-47127	UT
USA LAES 49181	LA	USA UTU-53918	UT
USA LAES 49183	LA	USA UTU-47484	UT
USA LAES 49194	LA	USA UTU-53946	UT
USA LAES 49198	LA	USA UTU-53941	UT
USA LAES 49199	LA	USA UTU-42531	UT
USA LAES 49200	LA	USA U-49245	UT
USA LAES 49201	LA	USA U-50802	UT
USA MTM-38582-A	MT	USA UTU-0647	UT
USA MTM-63708	MT	USA UTU-50687	UT
USA M-13323 (ND)	ND	USA UTU-37116	UT
USA M-68863 (SD)	SD	USA UTU-59122	UT
USA UTU-70189	UT	USA UTU-63985	UT
USA UTU-73175	UT	USA UTU-52298	UT
USA UTU-73434	UT	USA UTU-7386	UT
USA UTU-73435	UT	USA UTU-67178	UT
USA UTU-73444	UT	USA UTU-67549	UT
USA UTU-73450	UT	USA UTU-74416	UT
USA U-8345	UT	USA UTU-74413	UT
USA U-14646	UT	USA UTU-73900	UT
USA U-66746	UT	USA UTU-67868	UT
USA UTU-42469	UT	USA UTU-74414	UT
USA U-65222	UT	USA UTU-49530	UT
USA U-61263	UT	USA UTU-53860	UT
USA UTU-29535	UT	USA UTU-34711	UT
USA U-25880	UT	USA UTU-46699	UT
USA U-65223	UT	USA UTU-73643	UT
USA U-29797	UT	USA UTU-0141804	UT
USA UTU-0109054	UT	USA UTU-75091	UT
USA UTU-8346	UT	USA UTU-75097	UT
USA U-8347	UT	USA UTU-74972	UT
USA UTU-8344	UT	USA UTU-75096	UT
USA U-8344-A	UT	USA UTU-74415	UT
USA UTU-8348	UT	USA UTU-38401	UT
USA U-38424	UT	USA UTU-38411	UT
USA U-38427	UT	USA UTU-31260	UT
USA SL-065841-A	UT	USA UTU-59654	UT
USA UTU-31736	UT	USA U-14219	UT
USA U-38426	UT	USA UTU-30123	UT
USA U-44090-A	UT	USA UTU-34714	UT
USA U-71694	UT	USA UTU-10134	UT
USA U-72028	UT	USA UTU-10830	UT
USA U-51026	UT	USA UTU-14223	UT

# Santa Fe Snyder Corporation

July 2, 1999

Utah Division of Oil, Gas & Mining  
1594 W. North Temple, Suite 1210  
P. O. Box 145801  
Salt Lake City, Utah 84114-5801

Attn.: Ms. Kristen Risbeck

RE: Company Merger  
Surety Bond Number - JZ 7777  
Operator Number - N2000

Dear Ms. Risbeck:

Snyder Oil Corporation (SOCO) and Santa Fe Energy Resources, Inc. (Santa Fe) have merged to form Santa Fe Snyder Corporation (SFS). The legal acceptance date of the merger is May 5, 1999. However in an effort to simplify documentation issues, SFS requests that June 1, 1999 be used as the effective date of merger.

Please change all operated facilities, Applications to Drill (approved and in process) and any other regulatory filings from Snyder Oil Corporation to Santa Fe Snyder Corporation. Attached is the following information in support of this request.

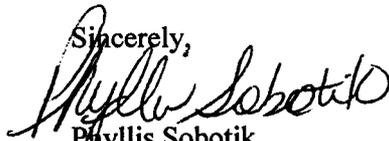
Copy of Merger Certificate  
Copy of the Office of the Secretary of State's Acceptance  
Sundry Notices for Properties Located on Fee or State Land  
Sundry Notice for Federal Properties  
Spreadsheet of all Utah Facilities Operated by SOCO

All correspondence, documents, notifications, etc. should continue to be sent to SFS at the following address

1625 Broadway, Suite 2200  
Denver, CO 80202

Please inform SFS when this request has been accepted and the changes are finalized. If any questions arise or additional information is required, please contact me at 303-592-8668.

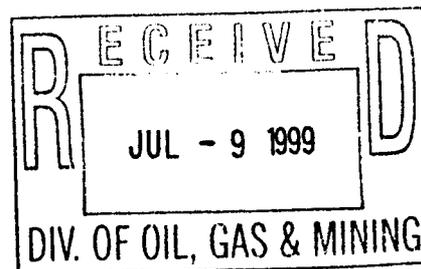
Sincerely,

  
Phyllis Sobotik  
Sr. Regulatory Specialist

/ps

Enclosures:

1625 Broadway  
Suite 2200  
Denver, Colorado 80202  
303/592-8500  
Fax 303/592-8600



Office of the Secretary of State

---

I, EDWARD J. FREEL, SECRETARY OF STATE OF THE STATE OF DELAWARE, DO HEREBY CERTIFY THE ATTACHED IS A TRUE AND CORRECT COPY OF THE CERTIFICATE OF MERGER, WHICH MERGES:

"SNYDER OIL CORPORATION", A DELAWARE CORPORATION,  
WITH AND INTO "SANTA FE ENERGY RESOURCES, INC." UNDER THE NAME OF "SANTA FE SNYDER CORPORATION", A CORPORATION ORGANIZED AND EXISTING UNDER THE LAWS OF THE STATE OF DELAWARE, AS RECEIVED AND FILED IN THIS OFFICE THE FIFTH DAY OF MAY, A.D. 1999, AT 11 O'CLOCK A.M.

A FILED COPY OF THIS CERTIFICATE HAS BEEN FORWARDED TO THE NEW CASTLE COUNTY RECORDER OF DEEDS.



A handwritten signature in cursive script, reading "Edward J. Freel".

Edward J. Freel, Secretary of State

0774411 8100M

991177495

AUTHENTICATION: 9725623

DATE: 05-05-99

Surviving Corporation.

5. The executed Merger Agreement is on file at the principal place of business of the Surviving Corporation, 1616 South Voss Road, Houston, Texas 77057.

6. A copy of the Merger Agreement will be furnished by the Surviving Corporation, on request and without cost, to any stockholder of Snyder Oil Corporation or Santa Fe Energy Resources, Inc.

Dated this 5th day of May, 1999.

SANTA FE ENERGY RESOURCES, INC.

By: David L. Hicks  
Name: David L. Hicks  
Title: Vice President — Law and  
General Counsel

**SUNDRY NOTICES AND REPORTS ON WELLS**

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

**SUBMIT IN TRIPLICATE**

1. Type of Well

Oil Well     Gas Well     Other

See Attached List

2. Name of Operator

**Santa Fe Snyder Corporation**

Attn.: Phyllis Sobotik

3. Address and Telephone No.

**1625 Broadway, Suite 2200, Denver, CO 80202**

**303-592-8668**

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

See Attached List

5. Lease Designation and Serial No.

See Attached List

6. If Indian, Allottee or Tribe Name

See Attached List

7. If Unit or CA, Agreement Designation

8. Well Name and No.

See Attached List

9. API Well No.

See Attached List

10. Field and Pool, or Exploratory Area

See Attached List

11. County or Parish, State

See Attached List

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

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

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

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

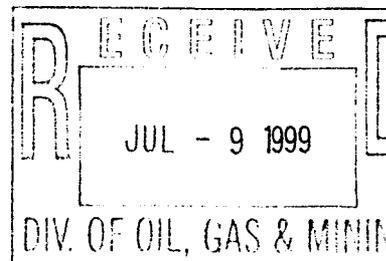
Snyder Oil Corporation and Santa Fe Energy Resources, Inc. have merged to form Santa Fe Snyder Corporation. The legal acceptance date of the merger is May 5, 1999. However in an effort to simplify documentation issues, Santa Fe Snyder Corporation requests that June 1, 1999 be used as the effective date of merger.

A copy of the Merger Certificate and of the Office of the Secretary of State's Acceptance is attached.

Nationwide BLM Bond Number - UT-0855

Surety Bond Number - 400JF 5433

Please contact Phyllis Sobotik at 303-592-8668 if you have any questions.



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

Signed

*Phyllis Sobotik*

Title

**Sr. Regulatory Specialist**

Date

**01-Jul-99**

(This space for Federal or State office use)

Approved by

Title

Date

Conditions of approval, if any:

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

**\*See Instruction on Reverse Side**

UTAH FACILITIES

Lease	Unit Name	Tribe Name	Field	Stat	County	1/41/4	S	T	R	Lease Number	Mineral Type	API Number	Comments
✓ Alger Pass #1			Alger Pass (Natural Buttes)	ACT	Uintah	SE/NE	2	11S	19E	ML 36213	STATE	43-047-31824	10828
✓ AnnaBelle #31-2J			Horseshoe Bend	ACT	Uintah	NW/SE	31	6S	21E	N/A	FEE	43-047-31698	10510
✓ Archy Bench State #1-2			Bitter Creek	INA	Uintah	NE/NE	2	11S	22E	ML 22348 A	STATE	43-047-31489	9871
Baser Draw Fed. #1C-31			Horseshoe Bend	ACT	Uintah	NE/SW	31	6S	22E	U 38411	FED	43-047-30831	2710
Baser Draw Fed. #2A-31			Horseshoe Bend	ACT	Uintah	SE/NE	31	6S	22E	U 31260	FED	43-047-30880	2710
Baser Draw Fed. #5-1			Horseshoe Bend	INA	Uintah	NW/NW	5	7S	22E	U 075939	FED	43-047-31833	10862
Baser Draw Fed. #6-1			Horseshoe Bend	ACT	Uintah	Lot 7	6	7S	22E	U 075939	FED	43-047-31834	10863
Baser Draw Fed. #6-2			Horseshoe Bend	ACT	Uintah	SW/NE	6	7S	22E	U 075939	FED	43-047-31859	10967
Bitter Creek #1-3			Bitter Creek	INA	Uintah	SW/NE	3	11S	22E	U 29797	FED	43-047-30524	1460
Monanza Federal #3-15			Natural Buttes	ACT	Uintah	NE/NW	15	10S	23E	U 66406	FED	43-047-31278	8406
Canyon View #1-18			Natural Buttes	ACT	Uintah	SE/NW	18	10S	23E	U 38421	FED	43-047-30379	1485
Castle Peak #1-3			Monument Butte	INA	Duchesne	NE/NE	3	9S	16E	U 47172	FED	43-013-30639	1522
✓ Castle Peak State #32-16			Monument Butte (Castle Peak)	ACT	Duchesne	SW/NE	16	9S	16E	ML 16532	STATE	43-013-30650	445
✓ Castle Peak State #33-16			Monument Butte (Castle Peak)	ACT	Duchesne	NW/SE	16	9S	16E	ML 16532	STATE	43-013-30640	440
Cliff Edge #1-15			Natural Buttes	TAD	Uintah	NW/SE	15	10S	23E	U 66406	FED	43-047-30462	1524
Coors #14-1D			Horseshoe Bend	INA	Uintah	NW/NW	14	7S	21E	U 65223	FED	43-047-31304	11193
Coors Federal #2-10 (Federal 2-10HB)			Horseshoe Bend	INA	Uintah	SW/NE	10	7S	21E	U 65222	FED	43-047-32009	11255
Cotton Club #1			Horseshoe Bend	ACT	Uintah	NE/NE	31	6S	21E	U 31736	FED	43-047-31643	10380
Cottonwood Wash Unit #1			Buck Canyon	INA	Uintah	SW/NE	10	12S	21E	U 40729	FED	43-047-31774	10754
Crooked Canyon #1-17			Natural Buttes	TAD	Uintah	NE/NW	17	10S	23E	U 37355	FED	43-047-30369	1465
East Bench Unit #1			East Bench (Bench East)	INA	Uintah	NW/SE	33	11S	22E	U 61263	FED	43-047-31778	10795
East Gusher #2-1A			Gusher (Gusher East)	INA	Uintah	SE/SE	3	6S	20E	U 66746	FED	43-047-31431	11333
East Gusher #15-1A			Gusher (Gusher East)	ACT	Uintah	NE/NE	15	6S	20E	U 58007	FED	43-047-31900	11122
Federal #4-1			Horseshoe Bend	ACT	Uintah	NW/NW	4	7S	21E	U 28213	FED	43-047-31693	10196
Federal #4-2F			Horseshoe Bend	ACT	Uintah	SW/NW	4	7S	21E	U 28213	FED	43-047-31853	10933
Federal #5-5H			Horseshoe Bend	ACT	Uintah	SE/NE	5	7S	21E	U 66401	FED	43-047-31903	11138
Federal 11-1M & K1			Gusher (Horseshoe Bend)	INA	Uintah	SW/SW	11	6S	20E	U 20252	FED	43-047-32333	11443
Federal #21-1P			Horseshoe Bend	ACT	Uintah	SE/SE	21	6S	21E	U 30289	FED	43-047-31647	1316
Federal #33-1I			Horseshoe Bend	ACT	Uintah	NE/SE	33	6S	21E	U 44210	FED	43-047-31468	9615
Federal #33-2B			Horseshoe Bend	INA	Uintah	NW/NE	33	6S	21E	U 44210	FED	43-047-31621	9616
Federal #33-4D	Horseshoe Bend		Horseshoe Bend	ACT	Uintah	NW/NW	33	6S	21E	U 44210	FED	43-047-31623	12323
Federal #34-2K			Horseshoe Bend	ACT	Uintah	NE/SW	34	6S	21E	U 63861	FED	43-047-31467	10550
Federal Miller #1			Horseshoe Bend	ACT	Uintah	NW/SW	4	7S	22E	U 0136484	FED	43-047-30034	2750
Flat Mesa #1-7			Natural Buttes	INA	Uintah	NW/SE	7	10S	23E	U 38420	FED	43-047-30365	1505
Flat Mesa #2-7			Natural Buttes	ACT	Uintah	SE/NW	7	10S	23E	U 38420	FED	43-047-30545	1506
✓ Gusher Unit #3			Gusher (Gusher East)	ACT	Uintah	NW/NE	10	6S	20E	ML 06584	STATE	43-047-15590	10341
Horseshoe Bend #2			Horseshoe Bend	INA	Uintah	NW/NE	3	7S	21E	U 0142175	FED	43-047-15800	11628
Horseshoe Bend #4			Horseshoe Bend	INA	Uintah	SE/NW	3	7S	21E	U 0142175	FED	43-047-15802	1315

# OPERATOR CHANGE WORKSHEET

Routing:

<input checked="" type="checkbox"/> 1-KDR	<input checked="" type="checkbox"/> 6-KAS
<input checked="" type="checkbox"/> 2-GLH	<input checked="" type="checkbox"/> 7-8J TP
<input checked="" type="checkbox"/> 3-JRB	<input checked="" type="checkbox"/> 8-FILE
<input checked="" type="checkbox"/> 4-CDW	<input checked="" type="checkbox"/> 9- <i>[Signature]</i>
<input checked="" type="checkbox"/> 5-KDR	

Attach all documentation received by the division regarding this change.  
Initial each listed item when completed. Write N/A if item is not applicable.

- Change of Operator (well sold)
- Designation of Agent
- Designation of Operator
- Operator Name Change Only (MERGER)

The operator of the well(s) listed below has changed, effective: 6-1-99

<b>TO:</b> (new operator)	<u>SANTE FE SNYDER CORPORATION</u>	<b>FROM:</b> (old operator)	<u>SNYDER OIL CORPORATION</u>
(address)	<u>P.O. BOX 129</u>	(address)	<u>P.O. BOX 129</u>
	<u>BAGGS, WYOMING 82321</u>		<u>BAGGS, WYOMING 82321</u>
	<u>Phone: (307) 383-2800</u>		<u>Phone: (307) 383-2800</u>
	<u>Account no. N2000 (6-24-99)</u>		<u>Account no. N1305</u>

**WELL(S)** attach additional page if needed: **\*HORSESHOE BEND, LOVE, EAST BENCH & WALKER HOLLOW UNITS**

Name: <u>*SEE ATTACHED*</u>	API: <u>43-097-30529</u>	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____

## OPERATOR CHANGE DOCUMENTATION

- DR 1. (r649-8-10) Sundry or other legal documentation has been received from the **FORMER** operator (attach to this form). *(Rec'd 6.11.99)*
- DR 2. (r649-8-10) Sundry or other legal documentation has been received from the **NEW** operator (Attach to this form). *(Rec'd 6.11.99)*
- DR 3. The Department of Commerce has been contacted if the new operator above is not currently operating any wells in Utah. Is the company registered with the state? (yes/no) \_\_\_\_\_ If yes, show company file number: #011879.
- DR 4. **FOR INDIAN AND FEDERAL WELLS ONLY.** The BLM has been contacted regarding this change. Make note of BLM status in comments section of this form. BLM approval of Federal and Indian well operator changes should ordinarily take place prior to the division's approval, and before the completion of steps 5 through 9 below. *(Rec'd 7.6.99)*
- DR 5. Changes have been entered in the Oil and Gas Information System (3270) for each well listed above. *(7.12.99)*
- DR 6. Cardex file has been updated for each well listed above.
- DR 7. Well file labels have been updated for each well listed above. *(new system)*
- DR 8. Changes have been included on the monthly "Operator, Address, and Account Changes" memo for distribution to Trust Lands, Sovereign Lands, UGS, Tax Commission, etc. *(8.2.99)*
- DR 9. A folder has been set up for the Operator Change file, and a copy of this page has been placed there for reference during routing and processing of the original documents.

**ENTITY REVIEW**

- 1. (r649-8-7) Entity assignments have been reviewed for all wells listed above. Were entity changes made? (yes/no) no If entity assignments were changed, attach copies of Form 6, Entity Action Form.
- 2. Trust Lands, Sovereign Lands, Tax Commission, etc., have been notified through normal procedures of entity changes.

**BOND VERIFICATION - (FEE WELLS ONLY)**

- 1. (r649-3-1) The NEW operator of any fee lease well listed above has furnished a proper bond. (rec'd 6.11.99 #J27777)
- 2. A copy of this form has been placed in the new and former operator's bond files.
- 3. The FORMER operator has requested a release of liability from their bond (yes/no) no, as of today's date 6.11.99. If yes, division response was made to this request by letter dated Aug. 12, 1999

**LEASE INTEREST OWNER NOTIFICATION OF RESPONSIBILITY**

- 1. Copies of documents have been sent on 8/12/99 to Ed Bonner at Trust Lands for changes involving State leases, in order to remind that agency of their responsibility to review for proper bonding.
- 2. (r649-2-10) The former operator of any fee lease wells listed above has been contacted and informed by letter dated \_\_\_\_\_ 19 \_\_, of their responsibility to notify all interest owners of this change.

**FILMING**

- 1. All attachments to this form have been microfilmed. Today's date: 9-28-99.

**FILING**

- 1. Copies of all attachments to this form have been filed in each well file.
- 2. The original of this form, and the original attachments are now being filed in the Operator Change file.

**COMMENTS**

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

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

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

1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER _____		5. LEASE DESIGNATION AND SERIAL NUMBER:
2. NAME OF OPERATOR: El Paso Production Oil & Gas Company		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
3. ADDRESS OF OPERATOR: 8 South 1200 East CITY Vernal STATE Utah ZIP 84078		7. UNIT or CA AGREEMENT NAME:
4. LOCATION OF WELL FOOTAGES AT SURFACE: _____ COUNTY: _____ QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: _____ STATE: UTAH		8. WELL NAME and NUMBER: Exhibit "A"
PHONE NUMBER: 435-789-4433		9. API NUMBER:
		10. FIELD AND POOL, OR WILDCAT:

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

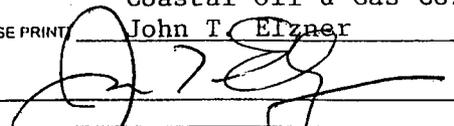
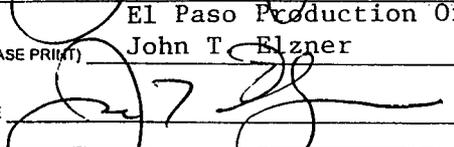
TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
<input type="checkbox"/> SUBSEQUENT REPORT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

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

As a result of the merger between The Coastal Corporation and a wholly owned subsidiary of El Paso Energy Corporation, the name of Coastal Oil & Gas Corporation has been changed to El Paso Production Oil & Gas Company effective March 9, 2001.

See Exhibit "A"

Bond # 400JU0708

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

(This space for State use only)

**RECEIVED**  
JUN 19 2001  
DIVISION OF  
OIL, GAS AND MINING

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

RECEIVED

MAR 9 2001

DIVISION OF  
OIL, GAS AND MINING



*Harriet Smith Windsor*  
Harriet Smith Windsor, Secretary of State

0610204 8100

AUTHENTICATION: 1061007

010162788

DATE: 04-03-01

CERTIFICATE OF AMENDMENT  
OF  
CERTIFICATE OF INCORPORATION

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

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

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

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

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

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

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

COASTAL OIL & GAS CORPORATION

  
\_\_\_\_\_  
David L. Siddall  
Vice President

Attest:

  
\_\_\_\_\_  
Margaret E. Roark, Assistant Secretary

RECEIVED

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

JUN 19 2001

DIVISION OF  
OIL, GAS AND MINING



# United States Department of the Interior

## BUREAU OF LAND MANAGEMENT

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

# RECEIVED

JUL 12 2001

DIVISION OF  
OIL, GAS AND MINING

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

JUL 10 2001

### NOTICE

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

#### Name Change Recognized

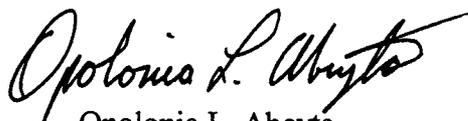
Acceptable evidence has been received in this office concerning the name change of Coastal Oil & Gas Corporation into El Paso Production Oil & Gas Company with El Paso Production Oil & Gas Company being the surviving entity.

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

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

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

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



Opolonia L. Abeyta  
Acting Chief, Branch of  
Minerals Adjudication

Enclosure

1. Exhibit of Leases (1 pp)

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

## Exhibit of Leases

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

**OPERATOR CHANGE WORKSHEET**

**ROUTING**

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

Enter date after each listed item is completed

Change of Operator (Well Sold)

Designation of Agent

Operator Name Change (Only)

**X Merger**

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

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

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

**CA No.**

**Unit: NATURAL BUTTES**

**WELL(S)**

NAME	API NO	ENTITY NO	SEC TWN RNG	LEASE TYPE	WELL TYPE	WELL STATUS
NBU 306-18E	43-047-32282	2900	18-09S-21E	FEDERAL	GW	P
CIGE 201-18-9-21	43-047-32804	2900	18-09S-21E	FEDERAL	GW	P
NBU 382-18E	43-047-33064	2900	18-09S-21E	FEDERAL	GW	P
NBU CIGE 6-19-9-21	43-047-30356	2900	19-09S-21E	FEDERAL	GW	P
CIGE 112D-19-9-21	43-047-31945	2900	19-09S-21E	FEDERAL	GW	P
CIGE 131-19-9-21	43-047-32029	2900	19-09S-21E	FEDERAL	GW	P
CIGE 130-19-9-21	43-047-32030	2900	19-09S-21E	FEDERAL	GW	P
CIGE 218-19-9-21	43-047-32921	2900	19-09S-21E	FEDERAL	GW	P
NBU 483-19E	43-047-33065	2900	19-09S-21E	FEDERAL	GW	P
NBU 25-20B	43-047-30363	2900	20-09S-21E	FEDERAL	GW	P
CIGE 70-20-9-21	43-047-30636	2900	20-09S-21E	FEDERAL	GW	P
NBU 309-20E	43-047-32283	2900	20-09S-21E	FEDERAL	GW	P
CIGE 183-20-9-21	43-047-32656	2900	20-09S-21E	FEDERAL	GW	P
NBU CIGE 46-21-9-21	43-047-30529	2900	21-09S-21E	FEDERAL	GW	P
NBU CIGE 37D-21-9-21	43-047-30910	2900	21-09S-21E	FEDERAL	GW	P
CIGE 113D-21-9-21	43-047-31944	2900	21-09S-21E	FEDERAL	GW	P
NBU 106	43-047-31946	2900	21-09S-21E	FEDERAL	GW	P
NBU 127	43-047-31963	2900	21-09S-21E	FEDERAL	GW	P
NBU 128	43-047-31964	2900	21-09S-21E	FEDERAL	GW	P
CIGE 158-21-9-21	43-047-32158	2900	21-09S-21E	FEDERAL	GW	P

**OPERATOR CHANGES DOCUMENTATION**

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



JAN. 17. 2003 3:34PM

WESTPORT

NO. 173 P. 2

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

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

February 1, 2002

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

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

Dear Ms. Maxwell:

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

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

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

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

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

Debby J. Black  
Engineer Technician

Encl:



United States Department of the Interior **RECEIVED**

BUREAU OF LAND MANAGEMENT

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

FEB 22 2002

DIVISION OF  
OIL, GAS AND MINING

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

FEB 21 2002

NOTICE

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

Name Change Recognized

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

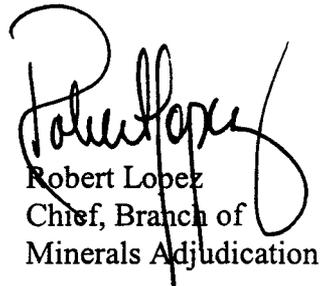
For our purposes, the name change is recognized effective December 31, 2001.

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

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

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

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



Robert Lopez  
Chief, Branch of  
Minerals Adjudication

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

# memorandum

Branch of Real Estate Services  
Uintah & Ouray Agency

Date: 5 December, 2002

Reply to  
Attn of: Supervisory Petroleum Engineer

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

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

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

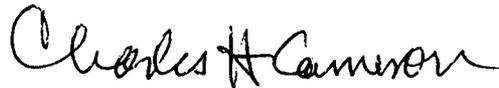
We have no objection.

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

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

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

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





# United States Department of the Interior

BUREAU OF INDIAN AFFAIRS  
Washington, D.C. 20240

FEB 10 2003

IN REPLY REFER TO:  
Real Estate Services.

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

Dear Mr. Wilson:

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

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

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

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

Sincerely,

Director, Office of Trust Responsibilities

ACTING

Enclosure



# United States Department of the Interior

## BUREAU OF LAND MANAGEMENT

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

IN REPLY REFER TO  
UT-922

February 27, 2003

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

Re: Natural Buttes Unit  
Uintah County, Utah

Gentlemen:

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

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

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

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

Sincerely,

/s/ Robert A. Henricks

Robert A. Henricks  
Chief, Branch of Fluid Minerals

Enclosure

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

UT922:TAThompson:tt:02/27/2003

RECEIVED

FEB 28 2003

DIV. OF OIL, GAS & MINING

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

FORM 9

<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>		5. LEASE DESIGNATION AND SERIAL NUMBER:
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER _____		7. UNIT or CA AGREEMENT NAME:
2. NAME OF OPERATOR: El Paso Production Oil & Gas Company		8. WELL NAME and NUMBER: Exhibit "A"
3. ADDRESS OF OPERATOR: 9 Greenway Plaza      Houston      TX      77064-0995		9. API NUMBER:
4. LOCATION OF WELL FOOTAGES AT SURFACE: _____ QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: _____		10. FIELD AND POOL, OR WILDCAT: COUNTY: _____ STATE: <b>UTAH</b>
3. ADDRESS OF OPERATOR: 9 Greenway Plaza      Houston      TX      77064-0995		PHONE NUMBER: (832) 676-5933

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

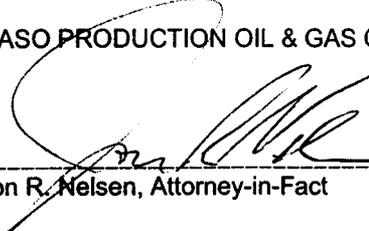
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

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

BOND # \_\_\_\_\_

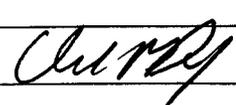
State Surety Bond No. RLB0005236  
Fee Bond No. RLB0005238

EL PASO PRODUCTION OIL & GAS COMPANY

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

RECEIVED  
FEB 28 2003

DIV. OF OIL, GAS & MINING

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

(This space for State use only)

Form 3160-5  
(August 1999)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

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

5. Lease Serial No.  
**SEE ATTACHED EXHIBIT "A"**

6. If Indian, Allottee or Tribe Name

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

8. Well Name and No.  
**SEE ATTACHED EXHIBIT "A"**

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

10. Field and Pool, or Exploratory Area

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

**SUBMIT IN TRIPLICATE - Other instructions on reverse side**

1. Type of Well  
 Oil Well  Gas Well  Other

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

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

3b. Phone No. (include area code)  
**(435) 781-7023**

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
**SEE ATTACHED EXHIBIT "A"**

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

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

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

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

RECEIVED

MAR 04 2003

DIV. OF OIL, GAS & MINING

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

Name (Printed/Typed)

**CHERYL CAMERON**

Signature

Title

**OPERATIONS**

Date

**March 4, 2003**

THIS SPACE FOR FEDERAL OR STATE USE

Approved by

Title

Date

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

Office

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

(Instructions on reverse)

**OPERATOR CHANGE WORKSHEET**

1. GLH
2. CDW
3. FILE

**X Change of Operator (Well Sold)**

Designation of Agent/Operator

Operator Name Change

Merger

The operator of the well(s) listed below has changed, effective: **12-17-02**

<b>FROM: (Old Operator):</b>	<b>TO: ( New Operator):</b>
EL PASO PRODUCTION OIL & GAS COMPANY	WESTPORT OIL & GAS COMPANY LP
Address: 9 GREENWAY PLAZA	Address: P O BOX 1148
HOUSTON, TX 77064-0995	VERNAL, UT 84078
Phone: 1-(832)-676-5933	Phone: 1-(435)-781-7023
Account No. N1845	Account No. N2115

**CA No.** **Unit: NATURAL BUTTES**

**WELL(S)**

NAME	SEC TWN RNG	API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS
NBU 275	09-09S-21E	43-047-32905	2900	FEDERAL	GW	S
CIGE 129	18-09S-21E	43-047-32043	2900	FEDERAL	GW	P
CIGE 46	21-09S-21E	43-047-30529	2900	FEDERAL	GW	P
CIGE 37D	21-09S-21E	43-047-30910	2900	FEDERAL	GW	P
CIGE 113D	21-09S-21E	43-047-31944	2900	FEDERAL	GW	P
NBU 127	21-09S-21E	43-047-31963	2900	FEDERAL	GW	P
NBU 128	21-09S-21E	43-047-31964	2900	FEDERAL	GW	P
CIGE 158	21-09S-21E	43-047-32158	2900	FEDERAL	GW	P
NBU 126	21-09S-21E	43-047-32349	2900	FEDERAL	GW	P
CIGE 202	21-09S-21E	43-047-32805	2900	FEDERAL	GW	P
NBU 255	21-09S-21E	43-047-32806	2900	FEDERAL	GW	P
CIGE 233	21-09S-21E	43-047-33022	2900	FEDERAL	GW	P
NBU 300	21-09S-21E	43-047-33023	2900	FEDERAL	GW	P
NBU 192	22-09S-21E	43-047-32299	2900	FEDERAL	GW	P
NBU 193	22-09S-21E	43-047-32300	2900	FEDERAL	GW	P
NBU 273	22-09S-21E	43-047-32906	2900	FEDERAL	GW	P
CIGE 208	08-10S-21E	43-047-32997	2900	FEDERAL	GW	P
NBU 20-1B	01-10S-22E	43-047-30319	2900	FEDERAL	GW	S
NBU 335	04-10S-22E	43-047-33724	2900	FEDERAL	GW	P

**OPERATOR CHANGES DOCUMENTATION**

Enter date after each listed item is completed

- (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 02/28/2003
- (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 03/04/2003
- The new company has been checked through the **Department of Commerce, Division of Corporations Database** on: 03/06/2003
- Is the new operator registered in the State of Utah: YES Business Number: 1355743-0181
- If **NO**, the operator was contacted contacted on: \_\_\_\_\_

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

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

8. **Federal and Indian Units:**

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

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

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

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

**DATA ENTRY:**

1. Changes entered in the Oil and Gas Database on: 03/24/2003

2. Changes have been entered on the Monthly Operator Change Spread Sheet on: 03/24/2003

3. Bond information entered in RBDMS on: N/A

4. Fee wells attached to bond in RBDMS on: N/A

**STATE WELL(S) BOND VERIFICATION:**

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

**FEDERAL WELL(S) BOND VERIFICATION:**

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

**INDIAN WELL(S) BOND VERIFICATION:**

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

**FEE WELL(S) BOND VERIFICATION:**

1. (R649-3-1) The **NEW** operator of any fee well(s) listed covered by Bond Number RLB 0005238

2. The **FORMER** operator has requested a release of liability from their bond on: N/A

The Division sent response by letter on: N/A

**LEASE INTEREST OWNER NOTIFICATION:**

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

**COMMENTS:**

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

SUNDRY NOTICES AND REPORTS ON WELLS

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

**SUBMIT IN TRIPLICATE - Other instructions on reverse side**

1. Type of Well  
 Oil Well  Gas Well  Other

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

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

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

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

5. Lease Serial No.  
 Multiple Wells - see attached

6. If Indian, Allottee or Tribe Name

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

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

9. API Well No.  
 Multiple Wells - see attached

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

11. County or Parish, State  
 Uintah County, UT

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

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

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

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

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

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

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

Name (Printed/Typed)  
 J.T. Conley

Signature

COPY SENT TO OPERATOR  
 Date: 9-2-03  
 Initials: JHC

Title  
 Operations Manager

Date  
 9-2-2003

SEP 10 2003  
 DIV. OF OIL, GAS & MINING

THIS SPACE FOR FEDERAL OR STATE USE

Approved by  
 Accepted by the  
 Utah Division of  
 Oil, Gas and Mining

Title  
 Federal Approval of This  
 Action is Necessary

Office  
 Date: 9/16/03

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

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

**Westport Oil & Gas, L.P.**  
**Project Economics Worksheet**

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

Project Name: **Condensate Shrinkage Economics**

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

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

**Increased OPX Per Year**

**Investment Breakdown:**

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

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

**Production & OPX Detail:**

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

**Project Life:**

Life =  Years  
 (Life no longer than 20 years)

**Internal Rate of Return:**

After Tax IROR =

**AT Cum Cashflow:**

Operating Cashflow =  (Discounted @ 10%)

**Payout Calculation:**

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

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

Payout =  Years or  Days

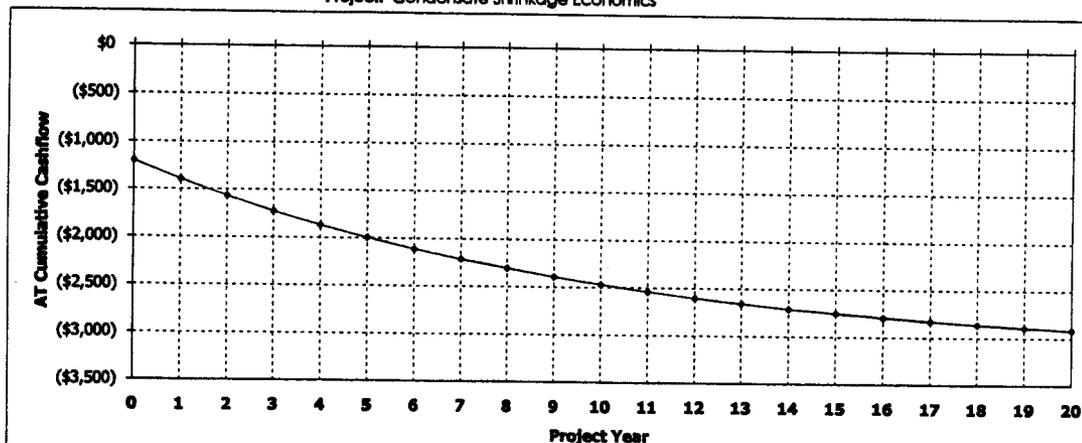
**Gross Reserves:**

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

**Notes/Assumptions:**

**An average NBW well produces 0.192 Bcpd with no tank pressure. The production is increased to 0.194 Bcpd if 4 ozs of pressure are placed on the tank. The increased production does not payout the valve cost or the estimated annual maintenance costs.**

**Project: Condensate Shrinkage Economics**



**Westport Oil and Gas, Inc.**

**NBU/Ouray Field**

RFL 2003-022

**COMPARISON OF FLASH BACK PRESSURES**

Calculated by Characterized Equation-of-State

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

**Calculated at Laboratory Flash Conditions**

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

**Calculated Flash with Backpressure using Tuned EOS**

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

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

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

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

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

CIGE 013	7-10-21 NESE	UTU02270A	891008900A	430473042000S1
CIGE 014	9-10-21 NESW	UTU01196B	891008900A	430473048400S1
CIGE 018	2-10-21 NWNE	ML22652	891008900A	430473047100S1 ✓
CIGE 019	16-9-21 SWSW	ML3141A	891008900A	430473045900S1
CIGE 020	20-10-21 SESW	UTU02278	891008900A	430473048500S1
CIGE 022	15-9-20 SENW	UTU0144868	891008900A	430473049700S1
CIGE 023	7-10-22 SESE	ML23609	891008900A	430473033300S1 ✓
CIGE 024	29-9-22 SESW	U01207	891008900A	430473049300S1
CIGE 025	34-9-22 SENW	UTU0149077	891008900A	430473073700S1
CIGE 027	33-9-22 NENW	UTU01191A	891008900A	430473073800S1
CIGE 028	35-9-21 NESE	ML22582	891008900A	430473073900S1 ✓
CIGE 030	6-10-21 NENW	UTU01791	891008900A	430473049800S1
CIGE 031	1-10-22 SWNW	U011336	891008900A	430473051100S1
CIGE 032A	20-9-20 NESW	UTU01567A	891008900A	430473049600S1
CIGE 034	13-10-20 SWNE	UTU02270A	891008900A	430473050800S1
CIGE 035	1-10-20 NESW	UTU02270A	891008900A	430473049400S1
CIGE 036D	32-9-22 NWNW	ML22649	891008900A	430473083300S1 ✓
CIGE 037D	21-9-21 SWSE	UTU0576	891008900A	430473091000S1
CIGE 038D	4-10-21 SWSE	U01416	891008900A	430473049500S1
CIGE 040	3-10-21 NESW	UTU0149078	891008900A	430473074000S1
CIGE 042	25-9-21 SWSE	U04139	891008900A	430473049200S1 ✓
CIGE 043	14-10-22 SENW	U01197A	891008900A	430473049100S1 ✓
CIGE 044	9-9-21 SESE	UTU01188	891008900A	430473052700S1
CIGE 045	15-9-21 NESE	UTU01193	891008900A	430473052800S1
CIGE 046	21-9-21 NENE	UTU0576	891008900A	430473052900S1
CIGE 047	14-10-21 NWSE	UTU01393C	891008900A	430473051000S1
CIGE 048	15-10-21 SWNE	UTU01416A	891008900A	430473050600S1
CIGE 051D	31-9-22 NENE	U01191	891008900A	430473088900S1 ✓
CIGE 052	5-10-22 SENW	UTU01195	891008900A	430473053100S1
CIGE 053	6-10-22 NESW	UTU01195	891008900A	430473053300S1
CIGE 054D	35-9-21 NENE	ML22582	891008900A	430473085100S1 ✓
CIGE 055	1-10-21 SENW	ML23612	891008900A	430473051200S1 ✓
CIGE 056	34-9-21 SWSE	U01194A	891008900A	430473053000S1 ✓
CIGE 057	10-10-21 NENE	UTU0149079	891008900A	430473054300S1
CIGE 058	16-10-21 SESE	ML10755	891008900A	430473053200S1
CIGE 060	14-9-21 SENW	UTU01193	891008900A	430473054900S1
CIGE 061	13-9-21 SENW	U01193	891008900A	430473055000S1
CIGE 062D	36-9-22 NWSW	ML22650	891008900A	430473088500S1 ✓
CIGE 063D	29-9-22 NWNW	UTU462	891008900A	430473094900S1
CIGE 064D	33-9-22 SWSW	UTU01191A	891008900A	430473095000S1
CIGE 066	23-10-21 SENW	UTU02278A	891008900A	430473054200S1
CIGE 067A	2-10-22 NENE	ML22651	891008900A	430473093800S1
CIGE 068D	35-9-22 NWSW	UTU010954A	891008900A	430473095100S1
CIGE 069	19-10-21 SENW	ML22792	891008900A	430473063500S1
CIGE 070	20-9-21 NESE	UTU0575	891008900A	430473063600S1
CIGE 071	7-9-21 NESE	UTU0575B	891008900A	430473063700S1
CIGE 072	18-9-21 SWNE	UTU0575	891008900A	430473063400S1
CIGE 073D	5-10-22 SWSW	UTU01191A	891008900A	430473095200S1
CIGE 074D	6-10-22 NWSE	UTU01195	891008900A	430473095300S1
CIGE 075D	8-10-21 SENE	UTU01791	891008900A	430473095400S1
CIGE 076D	9-10-21 NENE	UTU01416	891008900A	430473095500S1
CIGE 077D	10-10-21 SESE	UTU0149079	891008900A	430473095600S1
CIGE 078C	16-9-21 NENW	UTU38409	891008900A	430473087000S1
CIGE 079D	1-10-21 NENE	ML23612	891008900A	430473089600S1 ✓
CIGE 080D	2-10-21 NWNW	ML22652	891008900A	430473085300S1 ✓
CIGE 081D	4-10-21 NENE	ML22940	891008900A	430473085400S1
CIGE 086D	16-9-21 SWSE	ML3282	891008900A	430473088600S1
CIGE 087D	34-9-21 NENE	U01194A	891008900A	430473086900S1 ✓
CIGE 088D	15-10-21 NWNW	UTU01791A	891008900A	430473095800S1
CIGE 089D	34-9-22 SENE	UTU0149077	891008900A	430473114600S1
CIGE 090D	9-9-21 NWNE	UTU01188A	891008900A	430473114900S1
CIGE 091D	15-9-21 NWNE	UTU01188	891008900A	430473115100S1

Division of Oil, Gas and Mining  
**OPERATOR CHANGE WORKSHEET**

**ROUTING**

1. DJJ
2. CDW

**X Change of Operator (Well Sold)**

Operator Name Change/Merger

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

**1/6/2006**

<b>FROM:</b> (Old Operator): N2115-Westport Oil & Gas Co., LP 1368 South 1200 East Vernal, UT 84078 Phone: 1-(435) 781-7024	<b>TO:</b> ( New Operator): N2995-Kerr-McGee Oil & Gas Onshore, LP 1368 South 1200 East Vernal, UT 84078 Phone: 1-(435) 781-7024
---	--

WELL NAME	CA No.	SEC TWN RNG	Unit:	API NO	ENTITY NO	LEASE TYPE	NATURAL BUTTES UNIT	WELL TYPE	WELL STATUS
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**OPERATOR CHANGES DOCUMENTATION**

Enter date after each listed item is completed

- (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 5/10/2006
- (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 5/10/2006
- The new company was checked on the **Department of Commerce, Division of Corporations Database** on: 3/7/2006
- a. Is the new operator registered in the State of Utah: YES Business Number: 1355743-0181
- b. If **NO**, the operator was contacted on:
- a. (R649-9-2)Waste Management Plan has been received on: IN PLACE
- b. Inspections of LA PA state/fee well sites complete on: n/a 3 LA wells & all PA wells transferred
- c. Reports current for Production/Disposition & Sundries on: ok

6. **Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: BLM 3/27/2006 BIA not yet

7. **Federal and Indian Units:**  
 The BLM or BIA has approved the successor of unit operator for wells listed on: 3/27/2006

8. **Federal and Indian Communization Agreements ("CA"):**  
 The BLM or BIA has approved the operator for all wells listed within a CA on: n/a

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

**DATA ENTRY:**

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

**BOND VERIFICATION:**

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

**LEASE INTEREST OWNER NOTIFICATION:**

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

**COMMENTS:**

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

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

**SUBMIT IN TRIPLICATE - Other instructions on reverse side**

1. Type of Well  
 Oil Well  Gas Well  Other

2. Name of Operator  
**KERR-McGEE OIL & GAS ONSHORE LP**

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

3b. Phone No. (include area code)  
**(435) 781-7024**

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

5. Lease Serial No.  
**MULTIPLE LEASES**

6. If Indian, Allottee or Tribe Name

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

8. Well Name and No.  
**MUTIPLE WELLS**

9. API Well No.

10. Field and Pool, or Exploratory Area

11. County or Parish, State  
**UINTAH COUNTY, UTAH**

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

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

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

PLEASE BE ADVISED THAT KERR-McGEE OIL & GAS ONSHORE LP, IS CONSIDERED TO BE THE OPERATOR OF THE ATTACHED WELL LOCATIONS. EFFECTIVE JANUARY 6, 2006. KERR-McGEE OIL & GAS ONSHORE LP, IS RESPONSIBLE UNDER TERMS AND CONDITIONS OF THE LEASE(S) FOR THE OPERATIONS CONDUCTED UPON LEASE LANDS. BOND COVERAGE IS PROVIDED BY STATE OF UTAH NATIONWIDE BOND NO. RLB0005237.

**RECEIVED**  
**MAY 10 2006**  
DIV. OF OIL, GAS & MINING

**BLM BOND = C01203**  
**BIA BOND = RLB0005239**

**APPROVED 5116106**  
*Earlene Russell*  
**Division of Oil, Gas and Mining**  
**Earlene Russell, Engineering Technician**

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

Name (Printed/Typed) <b>RANDY BAYNE</b>	Title <b>DRILLING MANAGER</b>
Signature <i>Randy Bayne</i>	Date <b>May 9, 2006</b>

**THIS SPACE FOR FEDERAL OR STATE USE**

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

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

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

**SUNDRY NOTICES AND REPORTS ON WELLS**

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

5. Lease Serial No.  
**MULTIPLE LEASES**

6. If Indian, Allottee or Tribe Name

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

**SUBMIT IN TRIPLICATE - Other instructions on reverse side**

1. Type of Well  
 Oil Well  Gas Well  Other

8. Well Name and No.  
**MUTIPLE WELLS**

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

9. API Well No.

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

3b. Phone No. (include area code)  
**(435) 781-7024**

10. Field and Pool, or Exploratory Area

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

11. County or Parish, State  
**UINTAH COUNTY, UTAH**

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

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

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

EFFECTIVE JANUARY 6, 2006, WESTPORT OIL & GAS COMPANY L.P., HAS RELINQUISHED THE OPERATORSHIP OF THE ATTACHED WELL LOCATIONS TO KERR-McGEE OIL & GAS ONSHORE LP.

**APPROVED** 5/16/06  
*Earlene Russell*  
Division of Oil, Gas and Mining  
Earlene Russell, Engineering Technician

RECEIVED  
MAY 10 2006

DIV. OF OIL, GAS & MINING

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

Name (Printed/Typed)

**BRAD LANEY**

Signature

Title

**ENGINEERING SPECIALIST**

Date

**May 9, 2006**

**THIS SPACE FOR FEDERAL OR STATE USE**

Approved by

*Brad Laney*

Title

Office

Date

**5-9-06**

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

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



## United States Department of the Interior

BUREAU OF LAND MANAGEMENT  
Colorado State Office  
2850 Youngfield Street  
Lakewood, Colorado 80215-7076

IN REPLY REFER TO:

CO922 (MM)  
3106  
COC017387 et. al.

March 23, 2006

### NOTICE

Kerr-McGee Oil & Gas Onshore L.P. :  
1999 Broadway, Suite 3700 : Oil & Gas  
Denver, CO 80202 :

#### Merger/Name Change - Recognized

On February 28, 2006 this office received acceptable evidence of the following mergers and name conversion:

Kerr-McGee Oil & Gas Onshore L.P., a Delaware Limited Partnership, and Kerr-McGee Oil & Gas Onshore LLC, a Delaware Limited Partnership merger with and into Westport Oil and Gas Company L.P., a Delaware Limited Partnership, and subsequent Westport Oil & Gas Company L.P. name conversion to Kerr-McGee Oil & Gas Onshore L.P.

For our purposes the merger and name conversion was effective January 4, 2006, the date the Secretary of State of Delaware authenticated the mergers and name conversion.

Kerr-McGee Oil & Gas Onshore L.P. provided a list of oil and gas leases held by the merging parties with the request that the Bureau of Land Management change all their lease records from the named entities to the new entity, Kerr-McGee Oil & Gas Onshore L.P. In response to this request each state is asked to retrieve their own list of leases in the names of these entities from the Bureau of Land Management's (BLM) automated LR2000 data base.

The oil and gas lease files identified on the list provided by Kerr-McGee Oil & Gas Onshore L.P. have been updated as to the merger and name conversion. We have not abstracted the lease files to determine if the entities affected by the acceptance of these documents holds an interest in the lease, nor have we attempt to identify leases where the entity is the operator on the ground that maintains vested record title or operating rights interests. If additional documentation, for change of operator, is required you will be contacted directly by the appropriate Field Office. The Mineral Management Services (MMS) and other applicable BLM offices were notified of the merger with a copy of this notice

Please contact this office if you identify additional leases where the merging party maintains an interest, under our jurisdiction, and we will document the case files with a copy of this notice. If the leases are under the jurisdiction of another State Office that information will be forwarded to them for their action.

Three riders accompanied the merger/name conversion documents which will add Kerr-McGee Oil and Gas Onshore LLC as a principal to the 3 Kerr-McGee bonds maintained by the Wyoming State Office. These riders will be forward to them for their acceptance.

The Nationwide Oil & Gas Continental Casualty Company Bond #158626364 (BLM Bond #CO1203), maintained by the Colorado State Office, will remain in full force and effect until an assumption rider is accepted by the Wyoming State Office that conditions their Nationwide Safeco bond to accept all outstanding liability on the oil and gas leases attached to the Colorado bond.

If you have questions about this action you may call me at 303.239.3768.

/s/Martha L. Maxwell  
Martha L. Maxwell  
Land Law Examiner  
Fluid Minerals Adjudication

Attachment:

List of OG Leases to each of the following offices:

MMS MRM, MS 357B-1

WY, UT, NM/OK/TX, MT/ND, WY State Offices

CO Field Offices

Wyoming State Office

Rider #1 to Bond WY2357

Rider #2 to Bond WY1865

Rider #3 to Bond WY1127



# United States Department of the Interior



BUREAU OF LAND MANAGEMENT  
Utah State Office  
P.O. Box 45155  
Salt Lake City, UT 84145-0155  
<http://www.blm.gov>

IN REPLY REFER TO:  
3106  
(UT-922)

March 27, 2006

## Memorandum

To: Vernal Field Office

From: Chief, Branch of Fluid Minerals

Subject: Merger Approval

Attached is an approved copy of the merger recognized by the Bureau of Land Management, Colorado State Office. We have updated our records to reflect the merger from Westport Oil and Gas Company L.P. into Kerr-McGee Onshore Oil and Gas Company. The merger was approved effective January 4, 2006.

Chief, Branch of  
Fluid Minerals

## Enclosure

Approval letter from BLM COSO (2 pp)

cc: MMS, Reference Data Branch, James Sykes, PO Box 25165, Denver CO 80225  
State of Utah, DOGM, Attn: Earlene Russell, PO Box 145801, SLC UT 84114  
Teresa Thompson  
Joe Incardine  
Connie Seare  
Dave Mascarenas  
Susan Bauman

RECEIVED

MAR 28 2006

DIV. OF OIL, GAS & MINERALS

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	<b>FORM 9</b>  <b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> U-0576
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>  <b>7. UNIT or CA AGREEMENT NAME:</b> NATURAL BUTTES
<b>1. TYPE OF WELL</b> Gas Well	<b>8. WELL NAME and NUMBER:</b> CIGE 46
<b>2. NAME OF OPERATOR:</b> KERR-MCGEE OIL & GAS ONSHORE, L.P.	<b>9. API NUMBER:</b> 43047305290000
<b>3. ADDRESS OF OPERATOR:</b> P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779	<b>PHONE NUMBER:</b> 720 929-6515 Ext
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 1019 FNL 0778 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NENE Section: 21 Township: 09.0S Range: 21.0E Meridian: S	<b>9. FIELD and POOL or WILDCAT:</b> NATURAL BUTTES  <b>COUNTY:</b> UINTAH  <b>STATE:</b> UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> <b>NOTICE OF INTENT</b> Approximate date work will start: 9/8/2011	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input type="checkbox"/> <b>SUBSEQUENT REPORT</b> Date of Work Completion:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> <b>SPUD REPORT</b> Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> <b>DRILLING REPORT</b> Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input checked="" type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input style="width: 100px;" type="text"/>

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

The operator requests approval to temporarily abandon the subject well. The operator requests to temporarily abandon this well in order to expand and drill the NBU 921-21A pad which consists of the NBU 921-21A2DS, NBU 921-21A3AS, NBU 921-21A3DS, and NBU 921-21B1CS. Please see attached procedure. Thank you.

**Accepted by the Utah Division of Oil, Gas and Mining**

Date: 10/06/2011

By: *Derek Quist*

<b>NAME (PLEASE PRINT)</b> Andy Lytle	<b>PHONE NUMBER</b> 720 929-6100	<b>TITLE</b> Regulatory Analyst
<b>SIGNATURE</b> N/A	<b>DATE</b> 9/7/2011	

Well Name: **CIGE 46** 8/31/2011  
 Surface Location: NENE Sec. 21, T9S, R21E  
 Uintah County, UT

API: 4304730529 LEASE#: U-0576

ELEVATIONS: 4829' GL

TOTAL DEPTH: 7350' PBDT: 7307'

SURFACE CASING: 9 5/8", 36# @ 199'

PRODUCTION CASING: 4 1/2", 11.6# @ 7350'  
 No cbl on file

PERFORATIONS: WASATCH 5173' - 7190'

Tubular/Borehole	Drift inches	Collapse psi	Burst psi	Capacities		
				Gal./ft.	Cuft/ft.	Bbl./ft.
2.375" 4.7# J-55 tbg.	1.901	8100	7700	0.1624	0.02171	0.00387
4.5" 11.6# I-80	3.875	6350	7780	0.6528	0.0872	0.0155
9.625" 36# J-55	8.765	2020	3520	3.247	0.434	0.0773
Annular Capacities						
2.375" tbg. X 4 1/2" 11.6# csg				0.4227	0.0565	0.01
4.5" csg X 9 5/8" 36# csg				2.227	0.2977	0.053
4.5" csg X 7.875 borehole				1.704	0.2278	0.0406
9.625" csg X 12 1/4" borehole				2.3428	0.3132	0.0558

**GEOLOGICAL TOPS:**

1650' Green River  
 3317' Base of Parachute  
 4996' Wasatch

**Tech. Pub. #92 Base of USDW's**

USDW Elevation ~4000' MSL  
 USDW Depth ~829' KBE

**Recommended future action for disposition of well bore:**

Temporarily abandon the wellbore during the drilling and completion operations of the **NBU 921-21A** pad wells. Return to production as soon as possible once completions are done.

## CIGE 46 TEMPORARY ABANDONMENT PROCEDURE

### GENERAL

- H2S MAY BE PRESENT. CHECK FOR H2S AND TAKE APPROPRIATE PRECAUTIONS.
- CEMENT QUANTITIES BELOW ASSUME NEAT CLASS G, YIELD 1.145 CUFT./SX. IF A DIFFERENT PRODUCT IS USED, WELLSITE PERSONNEL ARE RESPONSIBLE FOR CORRECTING QUANTITIES TO YIELD THE STATED SLURRY VOLUME. WHEN SQUEEZING, INCLUDE 10% EXCESS PER 1000' OF DEPTH.
- TREATED FRESH WATER WILL BE PLACED BETWEEN ALL PLUGS INSTEAD OF BRINE.
- ALL DISPLACEMENT FLUID SHALL CONTAIN CORROSION INHIBITOR AND BIOCIDES. PREMIX 5 GALLONS PER 100 BBLs FLUID.
- NOTIFY BLM 24 HOURS BEFORE MOVING ON LOCATION.

### PROCEDURE

**Note: An estimated 24 sx Class "G" cement needed for procedure**

1. MIRU. KILL WELL AS NEEDED. ND WH, NU AND TEST BOPE.
2. RU WIRELINE. ENSURE WELLBORE IS CLEAN. **A GPS READING WILL NEED TO BE TAKEN AT THE WELL SITE AND RECORDED IN OPENWELLS. PLEASE TAKE IT TO THE 6TH DECIMAL PLACE.**
3. **PLUG #1, ISOLATE WAS PERFORATIONS (5173' - 7190') & TOP OF WASATCH (4996')**: RIH W/ 4 1/2" CBP. SET @ ~5130'. RELEASE CBP, PUH 10', BRK CIRC W/ FRESH WATER. PRESSURE TEST CASING TO 500 PSI. INFORM ENGINEERING IF IT DOESN'T TEST. DISPLACE A MINIMUM OF **18 SX/ 3.7 BBL/ 20.9 CUFT.** ON TOP OF PLUG. PUH ABOVE TOC (~4890'). REVERSE CIRCULATE W/ TREATED FRESH WATER.
4. **PLUG #2, PROTECT BASE OF PARACHUTE (~3317')**: PUH TO ~3420'. BRK CIRC W/ FRESH WATER. DISPLACE A MINIMUM OF **16 SX / 3.3 BBL / 18.3 CUFT** AND BALANCE PLUG W/ TOC @ ~3210' (210' COVERAGE). PUH ABOVE TOC. REVERSE CIRCULATE W/ TREATED FRESH WATER.
5. LOWER WELLHEAD TO GROUND LEVEL TO ACCOMMODATE DRILLING OPS AND INSTALL MARKER PER BLM GUIDELINES.
6. RDMO. TURN OVER TO DRILLING OPERATIONS.

ALM 8/31/2011

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	<b>FORM 9</b>
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	5. LEASE DESIGNATION AND SERIAL NUMBER: U-0576
1. TYPE OF WELL Gas Well	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.	7. UNIT or CA AGREEMENT NAME: NATURAL BUTTES
3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779	8. WELL NAME and NUMBER: CIGE 46
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1019 FNL 0778 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NENE Section: 21 Township: 09.0S Range: 21.0E Meridian: S	9. API NUMBER: 43047305290000
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA	9. FIELD and POOL or WILDCAT: NATURAL BUTTES
COUNTY: UINTAH	
STATE: UTAH	

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 11/1/2011	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input checked="" type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input style="width: 100px;" type="text"/>

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

The operator has concluded the temporary abandonment operations on the subject well location on 11/01/2011. This well was plugged in order to expand and drill the NBU 921-21A Pad wells. Please see the attached chronological well history for details. Thank you.

**Accepted by the  
Utah Division of  
Oil, Gas and Mining**

**FOR RECORD ONLY**

February 15, 2012

<b>NAME (PLEASE PRINT)</b> Jaime Scharnowske	<b>PHONE NUMBER</b> 720 929-6304	<b>TITLE</b> Regularatory Analyst
<b>SIGNATURE</b> N/A	<b>DATE</b> 2/13/2012	

US ROCKIES REGION  
Operation Summary Report

Well: CIGE 46		Spud Date:						
Project: UTAH-UINTAH		Site: NBU 921-21A PAD		Rig Name No: MILES 2/2				
Event: ABANDONMENT		Start Date: 10/26/2011		End Date: 11/1/2011				
Active Datum: RKB @0.00usft (above Mean Sea Level)			UWI: CIGE 46					
Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (usft)	Operation
10/31/2011	7:00 - 7:15	0.25	ALL	48		P		HSM, RIGGING UP
	7:15 - 10:00	2.75	ALL	47	A	P		RIG UP, CONTROL WELL W/ 20BBLS WTR , ND, WH, NU, BOPS, RU FLOOR AND TBG EQUIPMENT, UNLAND TBG.
	10:00 - 13:00	3.00	ALL	31	I	P		MIRU, PRS SCAN TBG. POOH W/ 182 JNTS 2 3/8 J-55 TBG, 143 RED JNTS, 39 YELLOW JNTS,
	13:00 - 14:30	1.50	ALL	34	I	P		MIRU CUTTERS WIRELINE, PU 4 1/2 GR JB, RIH TO 5150', POOH W/ GR, RIH W/ BAKER 8K CIBP, SET @ 5130' POOH RD, CUTTERS WIRELINE.
	14:30 - 16:30	2.00	ALL	31	H	P		PU, 2 3/8 NOCH COLLAR RIH, W/ 168 CIRCULATE WELL FOR 15 MINS PT. 4 1/2 CSG, TO 500# FOR 15 MINS TEST GOOD EOT @ 5118' SWI, SDFN.
11/1/2011	7:00 - 7:15	0.25	ABAND	48		P		HSM, PUMP PSI, PUMPING CEMENT
	7:15 - 9:00	1.75	ABAND	46	F	P		WAITING FOR PRO-PETRO
	9:00 - 10:30	1.50	ABAND	51	D	P		EOT @ 5118' 1 ST. PLUG, MIRU PRO PETRO BREAK CIRC, W/ 3 BBLS IN 5 MINS PUMP 2.6 BBLS FRESH WTR. 20 SX CEMENT 4.1 BBLS, 1 BBLS FRESH BEHIND DISPLACE W/ 17.7 T-MAC POOH LD 56 JNTS, 2 3/8 J-55 TBG, EOT @ 3437'.
	10:30 - 15:00	4.50	ABAND	51	D	P		2 ND. PLUG EOT @ 3437, BREAK CIRC, W 6 BBLS IN 10 MINS PUMP 2.6 BBLS FRESH WTR. 20 SX CMT 4.1 BBLS, 1 BBLS FRESH BEHIND DISPLACE W/ 11.1 BBLS T-MAC POOH LD 108 JNTS 2 3/8 J-55 TBG. RD PRO PETRO, LD 143 RED JNTS ON JD TRAILER AND 39 YELLOOW ON CROZIERS TRAILER, RD, FLOOR & TBG, EQUIPMENT ND, BOPS, NU WH, RDMO TO NB 219-24V FOR MIANT SPOT IN EQUIPMENT @ RU, IN THE AM.