

**FILE NOTATIONS**

Entered in NID File ..... ✓  
Aerial Map Pinned .....  
Map Indexed ..... ✓

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

**COMPLETION DATA:**

Map Completed 3/9/80

..... WW..... TA.....  
S16W. ✓ OS..... PA.....

Location Inspected .....  
Bond released  
State or Fee Land .....

**LOGS FILED**

Miller's Log ..... ✓  
Aerial Logs (No.) ..... ✓  
..... I..... Dual I Lat..... GR-N..... Micro.....  
..... GR..... Lat..... MI-L..... Sonic.....  
..... 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  
 735' FNL, 679 FWL SECTION 18-T10S-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

15. DISTANCE FROM PROPOSED\* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drig. unit line, if any)  
 585'

16. NO. OF ACRES IN LEASE  
 2162.77

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.  
 N/A

19. PROPOSED DEPTH  
 6700'

20. ROTARY OR CABLE TOOLS  
 ROTARY

21. ELEVATIONS (Show whether DF, RT, GR, etc.)  
 5077' UNGR. GR.

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

6. LEASE DESIGNATION AND SERIAL NO.  
 U-02270-A

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

7. UNIT AGREEMENT NAME  
 NATURAL BUTTES UNIT

8. FARM OR LEASE NAME  
 NATURAL BUTTES

9. WELL NO.  
 CIGE 27-18-10-21

10. FIELD AND POOL, OR WILDCAT  
 BITTER CREEK FIELD

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
 SECTION 18-T10S-R21E

12. COUNTY OR PARISH  
 Uintah

13. STATE  
 UTAH

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12-1/4"	9-5/8"	36#	200'	125 sx
7-7/8"	4-1/2"	11.6#	6700'	CIRCULATE CEMENT BACK TO SURFACE

FRESH WATER AQUAFERS 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  
 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 September 18, 1978

(This space for Federal or State office use)

PERMIT NO. \_\_\_\_\_ APPROVAL DATE \_\_\_\_\_  
 APPROVED BY L.P. Kozak TITLE ACTING DISTRICT ENGINEER DATE DEC 15 1978

CONDITIONS OF APPROVAL, IF ANY:

NECESSARY FLARING OF GAS DURING DRILLING AND COMPLETION APPROVED SUBJECT TO ROYALTY (NLT 4)

NOTICE OF APPROVAL

State Of

CONDITIONS OF APPROVAL ATTACHED TO OPERATOR'S COPY

See Instructions On Reverse Side

TOPO. MAP "B"



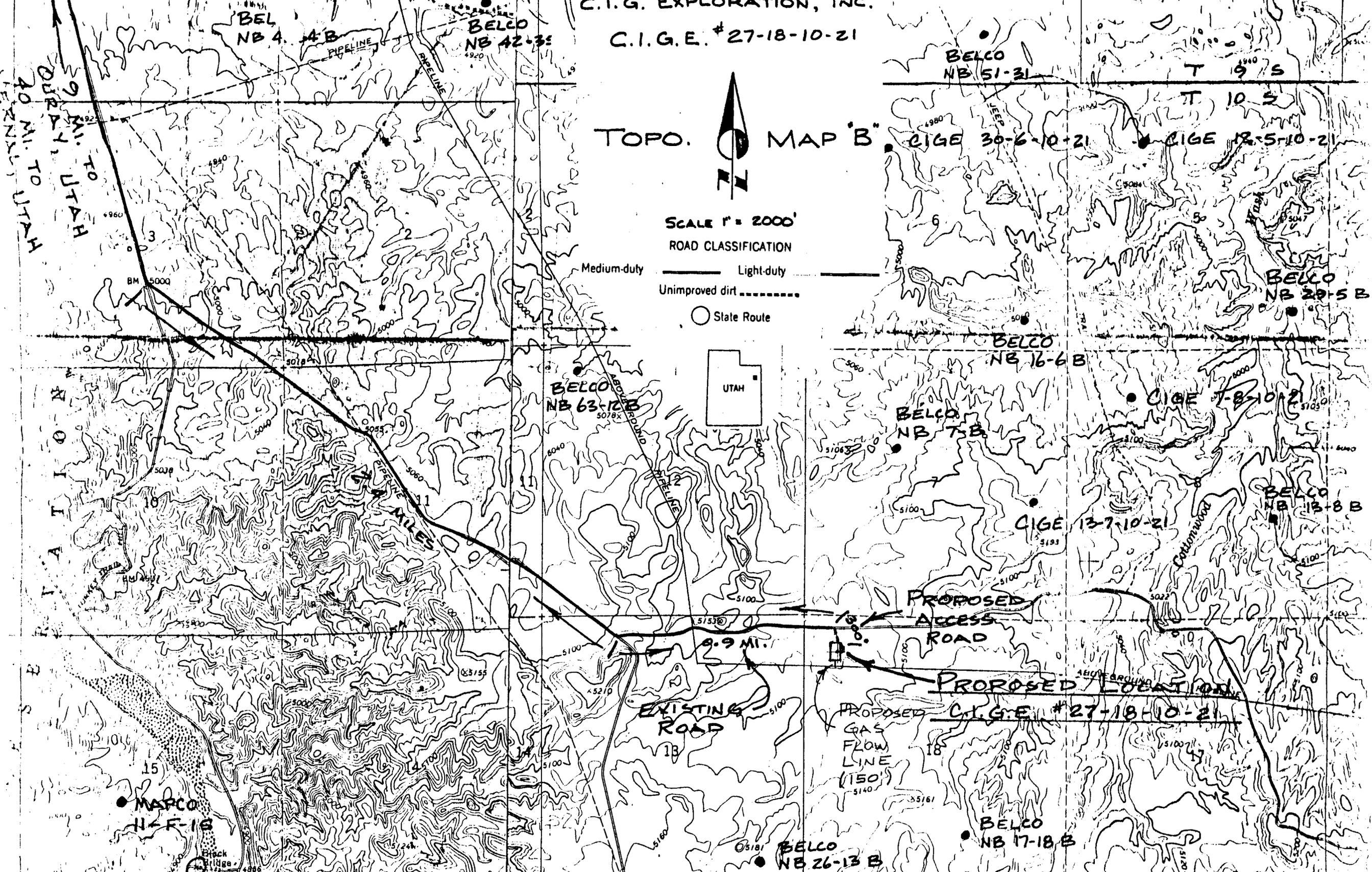
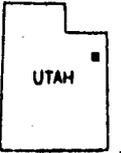
SCALE 1" = 2000'

ROAD CLASSIFICATION

Medium-duty Light-duty

Unimproved dirt

State Route



40 MI. TO UTAH

UTAH

PIPELINE

PIPELINE

EXISTING ROAD

PROPOSED ACCESS ROAD

PROPOSED GAS FLOW LINE

(150')

C.I.G.E. #27-18-10-21

MARCO NB F-10

BELCO NB 63-10 B

BELCO NB 7-5 B

CIGE 13-7-10-21

BELCO NB 13-8 B

BELCO NB 51-31

T 9 S

T 10 S

CIGE 30-6-10-21

CIGE 12-5-10-21

BELCO NB 20-5 B

BELCO NB 16-6 B

CIGE 7-8-10-21

BELCO NB 26-13 B

BELCO NB 17-18 B

Track Bridge

Cottonwood

ACRE AROUND

5181

5140

5100

5175

4920

4940

960

5000

5000

5018

5038

5055

5060

5040

5060

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PROPOSED  
WATER  
SOURCE

BELCO  
NB 26-24 B

BELCO  
NB 23-19 B

CAGE 20-20-10-21

BELCO  
NB 65-25 B

CAGE 2-29-10-21

BELCO  
NB 66-36 B

Drill Hole  
JUNTAH 2

Jim Little

Canyon

Cottonwood



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
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 At proposed prod. zone  
 SAME AS ABOVE *nw nw*

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

10. DISTANCE FROM PROPOSED\* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drig. unit line, if any) 685'

16. NO. OF ACRES IN LEASE 2162.77

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

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 NOVEMBER 15, 1978

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24. SIGNED *F. R. Midkiff* TITLE DISTRICT SUPERINTENDENT DATE September 18, 1978

(This space for Federal or State office use)

PERMIT NO. \_\_\_\_\_ APPROVAL DATE OIL, GAS, AND MINING

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE: 9-21-78

CONDITIONS OF APPROVAL, IF ANY:

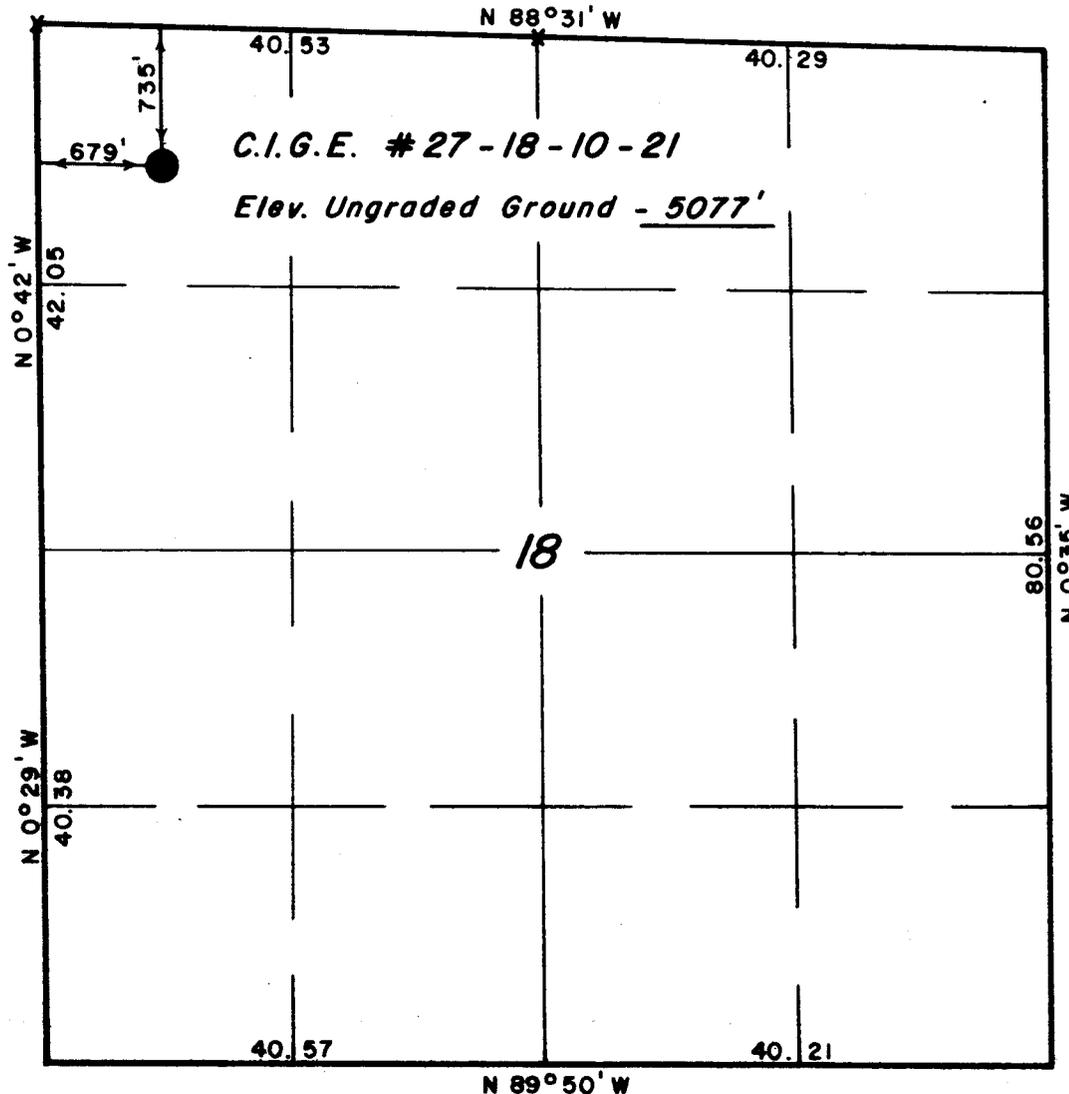
BY: *C. G. Light*

PROJECT

**C.I.G. EXPLORATION INC.**

**T10S, R21E, S.L.B. & M.**

Well location, *C.I.G.E. # 27-18-10-21*, located as shown in the NW 1/4 NW 1/4 Section 18, T10S, R21E, S.L.B. & M. Uintah County, Utah.



X = Section Corners Located

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.

*Nelson J. Marshall*

REGISTERED LAND SURVEYOR  
REGISTRATION NO 2454  
STATE OF UTAH

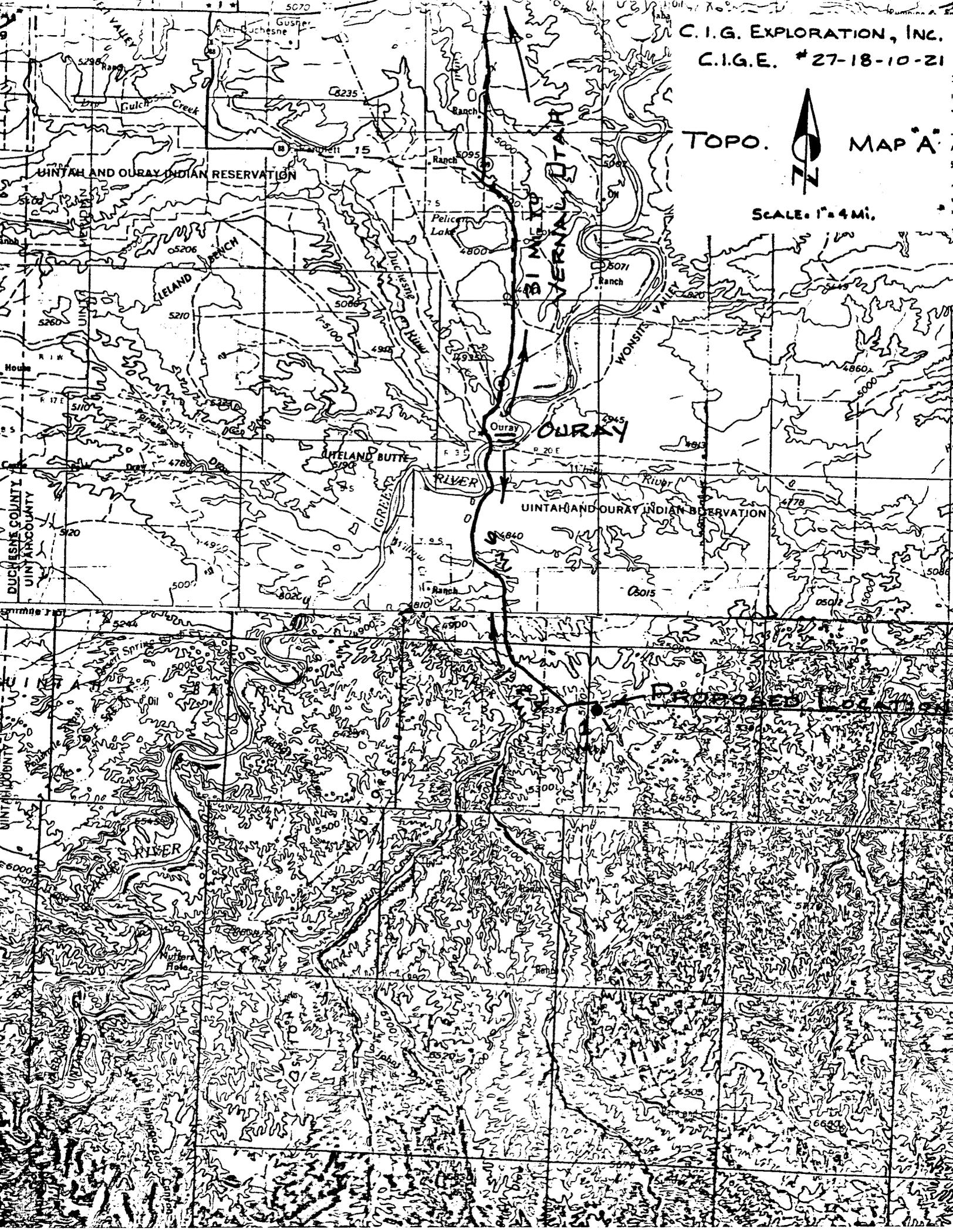
**UINTAH ENGINEERING & LAND SURVEYING**  
P. O. BOX Q - 110 EAST - FIRST SOUTH  
VERNAL, UTAH - 84078

SCALE	1" = 1000'	DATE	9/14/78
PARTY	DA SS JB DJ	REFERENCES	QLO Plat
WEATHER	Fair	FILE	C.I.G. EXPLORATION INC.

C. I. G. EXPLORATION, INC.  
C. I. G. E. #27-18-10-21

TOPO. MAP A  


SCALE: 1" = 4 Mi.



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

Usual Environmental Analysis

Lease No. U-02270-A

Operator CIG Exploration, Inc.

Well No. 27 Natural Buttes Unit

Location NW 1/4 NW 1/4 Sec. 18 T. 10 S. R. 21 E.

County Uintah State Utah Field Bitter Creek

Status: Surface Ownership Federal Minerals Federal

Joint Field Inspection Date September 28, 1978

Participants and Organizations:

<u>Gary Stephens</u>	<u>USGS</u>
<u>Steve Ellis</u>	<u>BLM</u>
<u>Carl Oden</u>	<u>CIG Exploration</u>

Related Environmental Analyses and References:

- (1) Saep Ridge (Rainbow) Planning Unit (08)
- (2)

*Pad 195 x 375  
50 x 100  
200' new access  
Stockpile topsoil  
1.9 cc*

Analysis Prepared by: Gary Stephens  
Environmental Scientist  
Salt Lake City, Utah

Date September 29, 1978

Noted - G. Diwachak

Proposed Action:

On September 20, 1978, CIG Exploration, Inc., filed an Application for Permit to Drill the No. 27 Natural Buttes Unit development well, a 6,700-foot oil and gas test of the Wasatch formation of Tertiary age; located at an elevation of 5,077 ft. in the NW 1/4 NW 1/4 Section 18, T. 10 S., R. 21 E., on Federal mineral lands and Federal surface; Lease No. U-02270-A. There was no objection raised to the wellsite nor to 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 Land Management, 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 195 ft. wide x 375 ft. long, and a reserve pit 100 ft. x 50 ft. A new access road would be constructed 24 ft. wide x 200 feet long from an existing and improved road. The operator proposes to construct production facilities on a disturbed area of the proposed drill pad. If the production is established, plans for a gas flow line would be submitted to the appropriate agencies for approval. The anticipated starting date is November 15, 1978, and duration of drilling activities would be about 20 days.

Location and Natural Setting:

The proposed drillsite is approximately 10.0 miles southeast of Ouray, Utah, the nearest town. A good road runs to within 300 feet north of the location. This well is in the Bitter Creek field.

Topography:

The overall topography at the site is gently rolling hills separated by broad low areas.

Geology:

The surface geology is the Uintah formation. The soil is sandy loam with rock fragments. 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.

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 hydrocarbon zones through the well bore on these minerals. In the event the well is abandoned, cement plugs would be placed with drilling fluid in the hole to assure protection of any mineral resources.

The potential for loss of circulation would exist (and is possible in the sandstone units of the Mesa Verde). 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 loam to a rocky sand. 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.

Top 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 Land Management.

Approximately 1.9 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 dirt 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 gases would not be 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 non-perennial 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 south to north. Air mass inversions are rare.

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

Surface-Water Hydrology:

No surface water exists in the vicinity of the location. There is no developed or integrated drainage near the area. Cottonwood Wash, a non-perennial stream, is 1 1/4 miles east.

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. Poor drainage from the area would allow spills to pond and be picked up.

### 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 basic 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:

Vegetation in the area consists of sagebrush, saltbush, horsebrush, prickly pear cactus, and curly grass. Plants in the area are of the salt-desert-shrub types.

Proposed action would remove about 1.9 acres of vegetation. Removal of vegetation would increase the erosional potential and there would be a minor decrease in the amount of vegetation available for grazing.

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

### Wildlife:

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 the mule deer, coyotes, rabbits, foxes, and 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, finches, ground sparrows, magpies, crows, and jays.

### 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 would be painted a 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 not visible from any major roads. After drilling operations, completion equipment would not be visible to passersby of the area 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 northeastern Utah. But should this well discover a significant new hydrocarbon source, local, State, and possibly National economies 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 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.

The proposed location is within the Seep Ridge (Rainbow) Planning Unit (08). This Environmental Assessment Record (EAR) was compiled by the Bureau of Land Management, the surface management agency of the Federal surface in the area. The study includes additional information on the environmental impact of oil and gas operations in this area and gives land use recommendations. The EAR is on file in the agency's State Offices and is incorporated herein by reference.

#### Waste Disposal:

The mud and reserve pits would contain all fluids used during the drilling 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.

Adverse Environmental Effects Which Cannot Be Avoided:

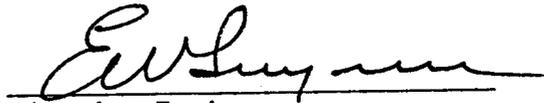
Surface disturbance and removal of vegetation from approximately 1.9 acres of land surface from the lifetime of the project which would result in increased and accelerated erosional potential. Grazing would be eliminated in the disturbed areas and there would be a minor and temporary disturbance of wildlife 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 could eventually be carried as sediment in the Green River. The potential for pollution would not exist through leaks and spills due to the lack of a developed drainage from the location.

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).

Date

11/1/78



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



NW NW SEC. 18 T10S R21E  
#27 NATURAL BUTTES UNIT  
CIG EXPLORATION

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. CIGE 27-18-10-21	735' FNL & 679' FWL (NE 1/4 NW 1/4) SEC. 18, T. 10S., R. 21E., SLM UINTAH COUNTY, UTAH Gr. El. 5077'	U-02270-A
<p>1. <b>Stratigraphy and Potential Oil and Gas Horizons.</b> The surface rocks are Minta (Tertiary) and the Wasatch Formation is expected to contain gas. Numerous wells have been drilled in this township so control is good. Projected tops by the operator are reasonable.</p> <p>2. <b>Fresh Water Sands.</b> Fresh/usable water could occur in the sands of the Minta and Green River Formations to a depth of about 3,500± feet.</p> <p>3. <b>Other Mineral Bearing Formations.</b> Within an area considered valuable (Coal, Oil Shale, Potash, Etc.) prospectively for solid and semi-solid bitumens (Bismonite). Within oil shale withdrawal E.O. 5327. From Cashion's map the top of the mahogany zone is estimated at a depth of about 1900± feet. The well site is underlain by a continuous sequence of oil shale beds (500 feet thick) that will yield 15 gallons of oil per ton of oil shale. Delineate and protect oil shale beds of the Parachute Creek member. Major beds should occur between 1800 to 2500± feet.</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> Protect any fresh/usable aquifers penetrated.</p> <p>6. <b>Possible Abnormal Pressure Zones and Temperature Gradients.</b> Operator does not anticipate abnormal pressures, temperatures or H<sub>2</sub>S gas.</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> Well is in an area where Cashion states that sonic, density, gamma ray, and neutron logs are useful for evaluation of oil shale reserves.</p> <p>9. <b>References and Remarks</b> Within KGS.                      Cashion's oil shale maps.                 </p>		
<p>Date: 9/28/78 Signed: REG</p>		

10-POINT PROGRAM

1. Geologic name of surface formation:

UINTA

2. The estimated tops of important geologic markers:

GREEN RIVER - 1250'  
WASATCH - 4525'

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

WASATCH - 4525' - 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:

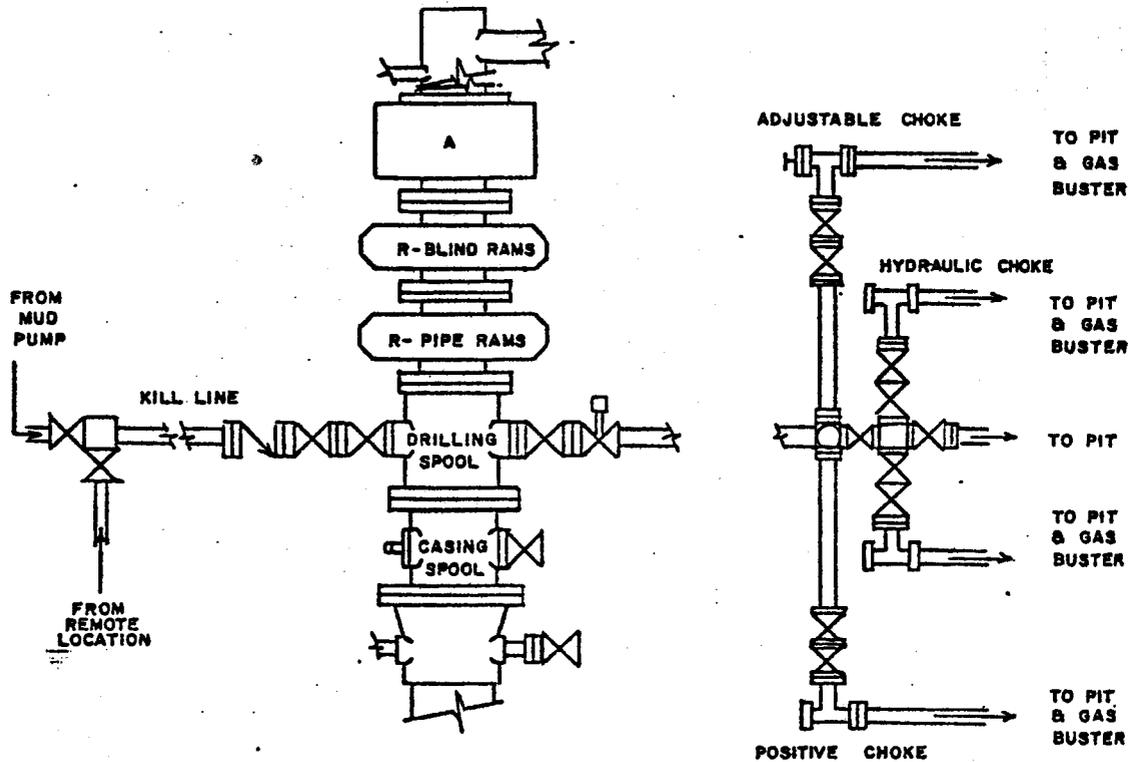
No abnormal pressures or temperatures expected  
No hydrogen sulfide expected

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

November 15, 1978  
Three Weeks' Duration

3000 psi

psi Working Pressure BOP's



### Test Procedure

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

C.I.G. EXPLORATION INCORPORATED

13 Point Surface Use Plan

for

Well Location

C.I.G.E. #27-18-10-21

Located In

Section 18, T10S, R21E, S.L.B. & M.

C.I.G. Exploration Incorporated  
C.I.G.E. #27-18-10-21  
Section 18, T10S, 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. #27-18-10-21 located in the NW 1/4 NW 1/4 Section 18, T10S, 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 on South along a County road known as the Seep Ridge road  $\pm$  11.4 miles to its junction with an oil field service road to the East; proceed Easterly along this road 0.9 miles to the point that the planned access road (discussed in Item #2) leaves the existing road and proceeds in a Southerly direction to the proposed location site in said section 18.

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 for  $\pm$  4 miles and then is a gravel surface to the aforementioned service roads.

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

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

The roads that are required for access during the drilling phase, completion phase, and production phase of this well will be maintained at the standards required by the B.L.M. or other controlling agencies.

2. PLANNED ACCESS ROAD

See Topographic Map "B".

The proposed access road leaves the existing service road described in Item #1 in the NW 1/4 NW 1/4 Section 18, T10S, R21E, S.L.B. & M., and proceeds in a Southerly direction approximately 300' to the proposed location site in said Section 18.

In order to facilitate the anticipated traffic flow necessary to drill and produce this well, the following standards will be met:

This proposed access road will be an 18' crown road (9' either side of the centerline) with drain ditches along either side of the proposed road where it is determined necessary in order to handle any run-off from normal meteorological conditions that are prevalent to this area.

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

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

C.I.G. Exploration Incorporated  
C.I.G.E. #27-18-10-21  
Section 18, T10S, R21E, S.L.B. & M.

2. PLANNED ACCESS ROAD - continued

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 materials accumulated during construction.

If deemed necessary by the local governmental agencies or their 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 having 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 road traverses is relatively flat and is broken with a few small hills and washes.

The vegetation along this route consists of sparse amounts of sagebrush, rabbit-brush, 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 18, T10S, 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 production of this well is established, the existing area of the location will be utilized for the establishment of the necessary production facilities.

This 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 total area that is needed for the production of this well will be fenced and cattleguards will be utilized for access to these facilities.

C.I.G. Exploration Incorporated  
C.I.G.E. #27-18-10-21  
Section 18, T10S, R21E, S.L.B. & M.

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

The proposed gas flow line will be an 18' right of way which will run in a Southerly direction approximately 150' to an existing above ground pipeline at a point located in the NW 1/4 NW 1/4 Section 18, T10S, 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

Water to be used in the drilling of this well will be hauled from Willow Creek at the point where Hill Creek Road crosses it in the SE 1/4 Section 5, T10S, R20E, S.L.B. & M. This water will be hauled by truck over existing roads and the proposed access road  $\pm$  7 miles to the proposed location site.

In the event that the above source is not used, the water will be hauled by truck utilizing the roads described in Item #1 and #2, from the White River South of Ouray, Utah a distance of  $\pm$  10 road miles.

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

6. SOURCE OF CONSTRUCTION MATERIALS

All construction materials for this location site and access road shall be borrow materials accumulated during construction of the location site and access road. No additional roads 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 materials that will be used in the construction of this location site and access road will consist of a 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 materials 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 drain 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.L.M. District Manager 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 sandstones, conglomerates, and shale deposits.

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

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

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

C.I.G. Exploration Incorporated  
C.I.G.E. #27-18-10-21  
Section 18, T10S, R21E, S.L.B. & M.

11. OTHER INFORMATION - continued

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

Due to the low precipitation average, climatic conditions, and the marginal types of soils, the vegetation that is found in the area 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, cacti, and large areas of bare soils devoid of any growth. In the areas away from and in the vicinity of non-perennial streams, and along the 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. #27-18-10-21 location site sits on a relatively flat area in the bottom portion of a large draw, surrounded by numerous small hills. The proposed location site lies approximately 6000' West of Cottonwood Wash.

The geologic structure of the location is of the 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 a 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 "B").

12. LESSEE'S OPERATOR'S REPRESENTATIVE

Frank R. Midkiff  
C.I.G. Exploration Incorporated  
P.O. Box 749

Denver, Colorado 80201

TELE: 1-303-572-1121

C.I.G. Exploration Incorporated  
C.I.G.E. #27-18-10-21  
Section 18, T10S, R21E, S.L.B. & M.

13. CERTIFICATION

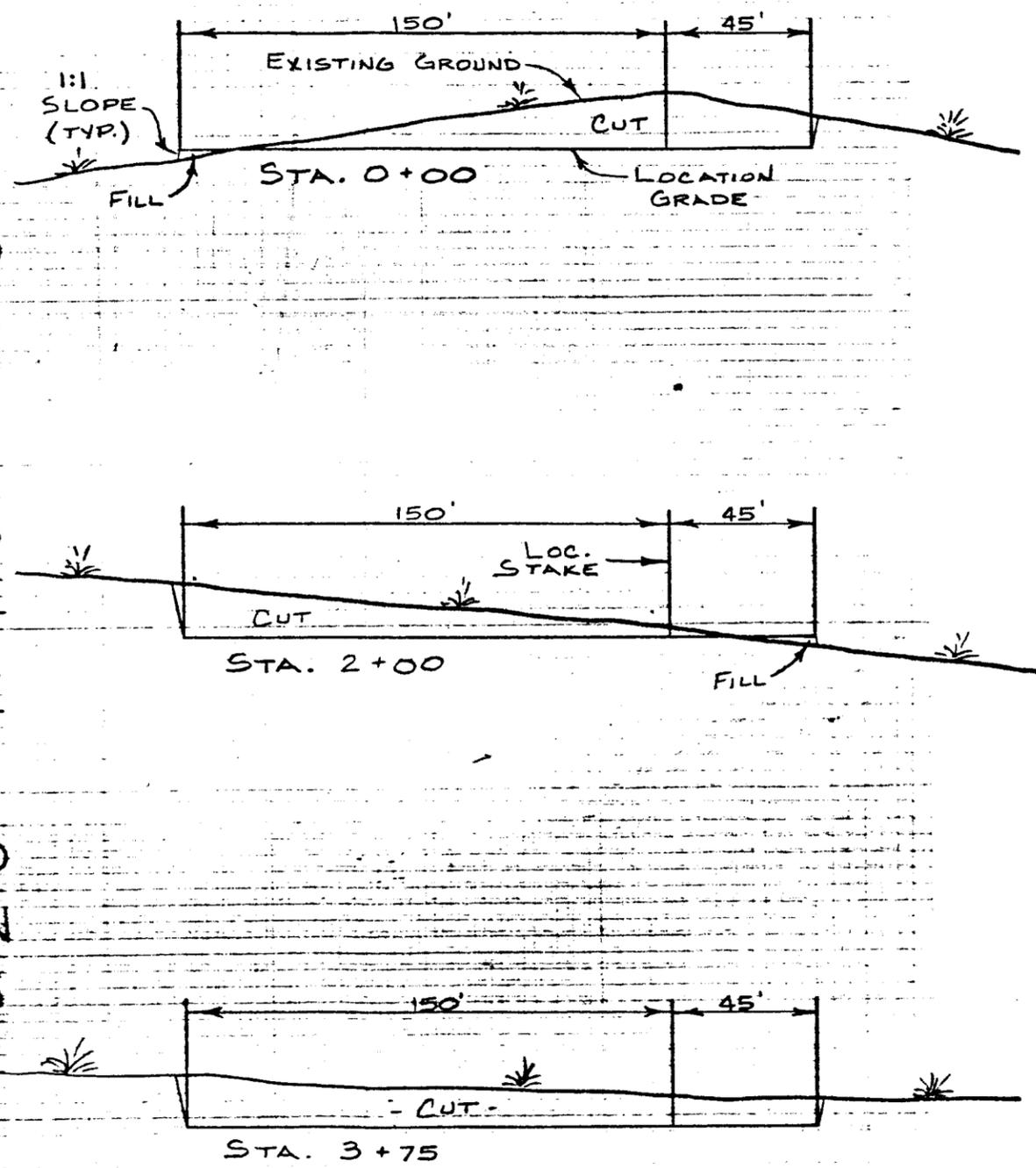
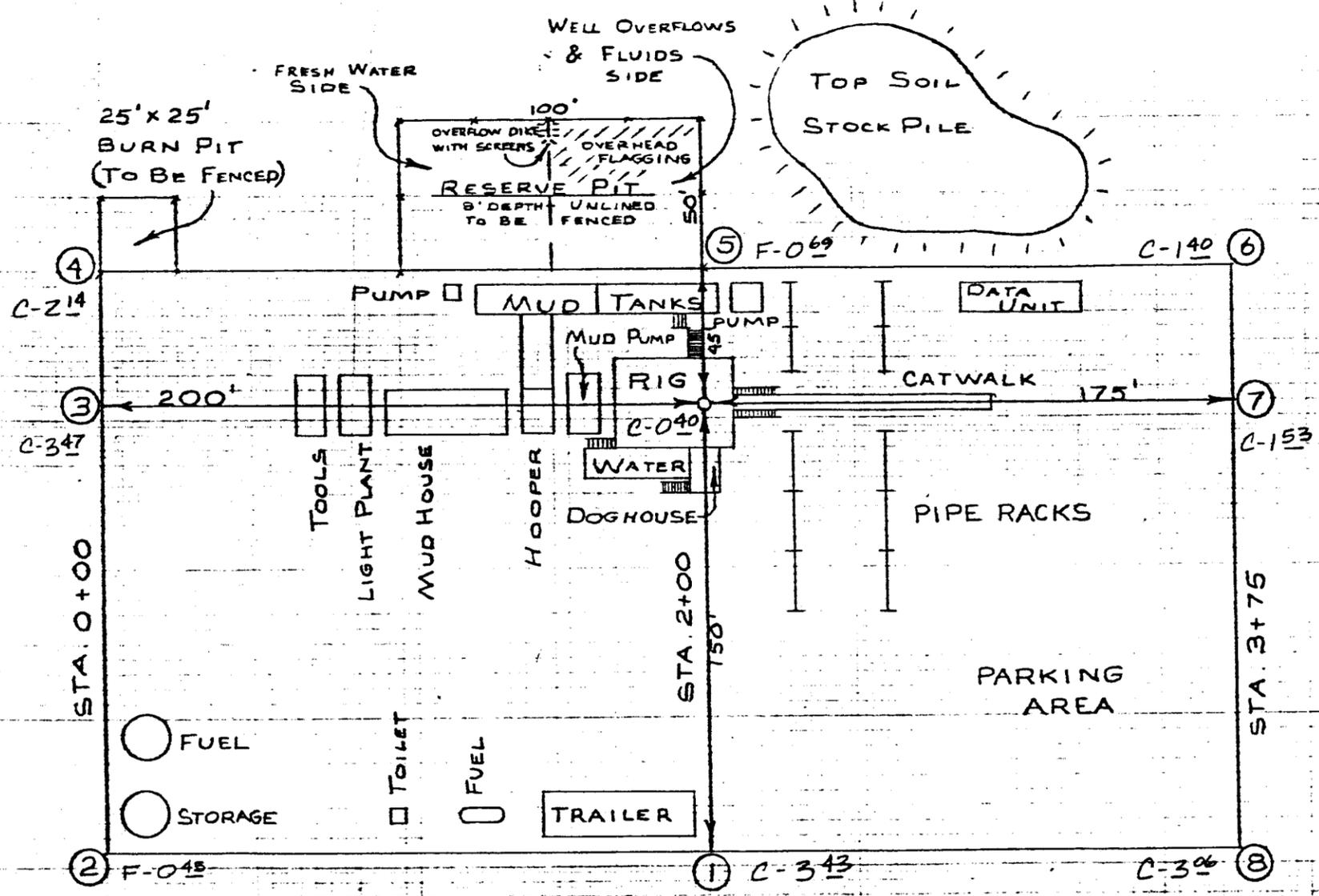
I hereby certify that I, or persons under my direct supervision, have inspected the proposed drill site and access route; that I am familiar with the conditions which presently exist; that the statements made in this plan are to the best of my knowledge, true and correct; and that the work associated 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 the terms and conditions under which it is approved.

Date

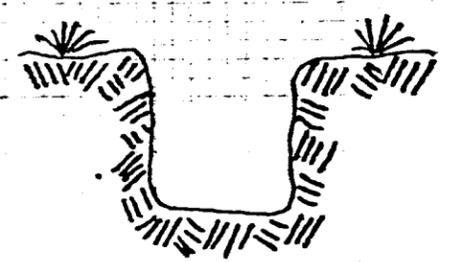
9/18/78

  
Frank R. Midkiff  
District Manager

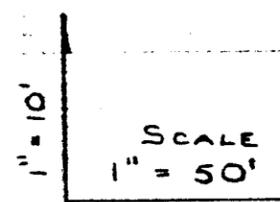
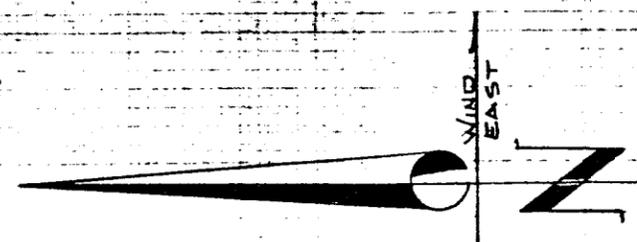
**C.I.G. EXPLORATION**  
 C.I.G.E. #27-18-10-21  
 LOCATION LAYOUT & CUT SHEET



**SOILS LITHOLOGY**  
 - NO SCALE -



LIGHT BROWN SANDY CLAY (SC-ML)



**APPROX. YARDAGES**  
 CUT - 4,736 CU. YDS.  
 FILL - 85 CU. YDS.

STATE OF UTAH  
DIVISION OF OIL, GAS, AND MINING

\*\* FILE NOTATIONS \*\*

Date: Sept. 20 -  
Operator: ~~Cig Exploration~~ <sup>GNA</sup> Gas Producing Ent J  
Well No: Natural Buttes #33X 27-18-10-21  
Location: Sec. 18 T. 10S R. 21E County: Unitah

File Prepared:  Entered on N.I.D.:   
Card Indexed:  Completion Sheet:

API Number: 43-047-30504

CHECKED BY:

Administrative Assistant: [Signature]  
Remarks: Unit Well  
Petroleum Engineer: [Signature]  
Remarks:  
Director: [Signature]  
Remarks:

INCLUDE WITHIN APPROVAL LETTER:

Bond Required:  Survey Plat Required:   
Order No. \_\_\_\_\_ Surface Casing Change   
to \_\_\_\_\_

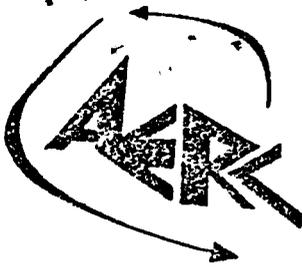
Rule C-3(c), Topographic exception/company owns or controls acreage  
within a 660' radius of proposed site

O.K. Rule C-3

O.K. In Nat. Buttes Unit

Other:

Letter Written/Approved



# ARCHEOLOGICAL - ENVIRONMENTAL RESEARCH CORPORATION

P.O. Box 17544 - Salt Lake City, Utah 84117

Tel.: (801) ~~582-9343~~ 486-0261

October 10, 1978

55-29-9-21

✓ 27  
Subject: Archeological Reconnaissance for Proposed Well Locations and Associated Access Roads in the Natural Buttes Locality of Uintah County, Utah

Project: Gas Producing Enterprise - 1978 Gas-Oilwell Development in Uintah County, Utah

Project No.: GPE-78-5A

Permit No.: 78-Ut-014

To: Mr. Karl Oden, Gas Producing Enterprise,  
P. O. Box 1138, Vernal, Utah 84078

Ms. Maggie Dominy, CIG Exploration, 2100 Prudential Plaza, P. O. Box 749, Denver, Colorado 80201

Mr. Dean Evans, BLM Area Manager, Bureau of Land Management, Vernal District Office, P. O. Box F, 91 West Main Street, Vernal, Utah 84078

Mr. Lloyd Ferguson, District Manager, Bureau of Land Management, Vernal District Office, P. O. Box F, 91 West Main Street, Vernal, Utah 84078

Info: Mr. Richard Fike, BLM Archeologist, Bureau of Land Management, University Club Bldg., 136 East South Temple, Salt Lake City, Utah 84111

2. Legal Description of Project Area

BLM Surface and Subsurface

<u>Well #</u>	<u>Section</u>	<u>Township</u>	<u>Range</u>	<u>Access Road</u>
25	29	9 South	21 East	Same
26	26	10 South	21 East	Same
27	18	10 South	21 East	Same
30	6	10 South	21 East	Same
31	1	10 South	22 East	Same
33	27	10 South	21 East	Section 22 also
34	13	10 South	20 East	Same
35	1	10 South	20 East	Section 11 and 12 also
38	4	10 South	21 East	Section 5 also

Ute Indian Surface and BLM Subsurface

<u>Well #</u>	<u>Section</u>	<u>Township</u>	<u>Range</u>	<u>Access Road</u>
STATE — ✓ 19	16	9 South	21 East	Section 16 also
✓ 22	15	9 South	20 East	Same
28	21	9 South	20 East	Same
✓ 29	23	9 South	20 East	Same
32	20	9 South	20 East	Same
40	20	9 South	22 East	Section 19 also

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT  
Moab District Office

Summary Report of  
Inspection for Cultural Resources

BLM Use Only: Use Initials.  
Case File \_\_\_\_\_  
Report Acceptable Yes \_\_\_ No \_\_\_  
Mitigation Acceptable Yes \_\_\_ No \_\_\_  
Comments: \_\_\_\_\_

Project Name, Developer  
Producing Enterprises Archeological Reconnaissance for Proposed Well  
Locations and Associated Access Roads in the Natural  
Buttes Locality of Uintah County, Utah (GPE-78-5A)

Legal Description of Project Area (Attach Map Also)

See attached sheet

Institution Holding Antiquities  
Museum of Ethnology and Archaeology  
Brigham Young University; Provo, Utah

4. Antiquities Permit No.

78-Ut-014

Dates of Field Work

September 12 through 21, 1978

Description of Examination Procedures

Drill Pads: Parallel transects ca. 15 meters apart were performed. Each transect extended at least 15 meters beyond the marked boundaries of the pad.  
Access Roads: Two parallel transects were performed for each access road; each ca. 15 meters apart. In this manner a corridor ca. 30 meters (98 feet) wide was examined.

Description of Findings (Attach forms or detailed report, if appropriate)

No cultural resource sites were discovered during the performance of the surface reconnaissance.

Actual/Potential National Register Properties Affected

The National Register of Historic Places was consulted. No National Register properties will be affected by the activities described above.

Conclusions/Recommendations

1. All vehicular traffic, personnel movement, and construction be confined to the locations examined and to access roads leading into these locations; 2. all personnel refrain from collecting individual artifacts or from disturbing any cultural resources in the area; and 3. a qualified archeologist be consulted should cultural remains from subsurface deposits be exposed during construction work or if the need arises to relocate or otherwise alter the construction site.

Signature of Person in Direct Charge of Field Work

*Dennis G. Wader*

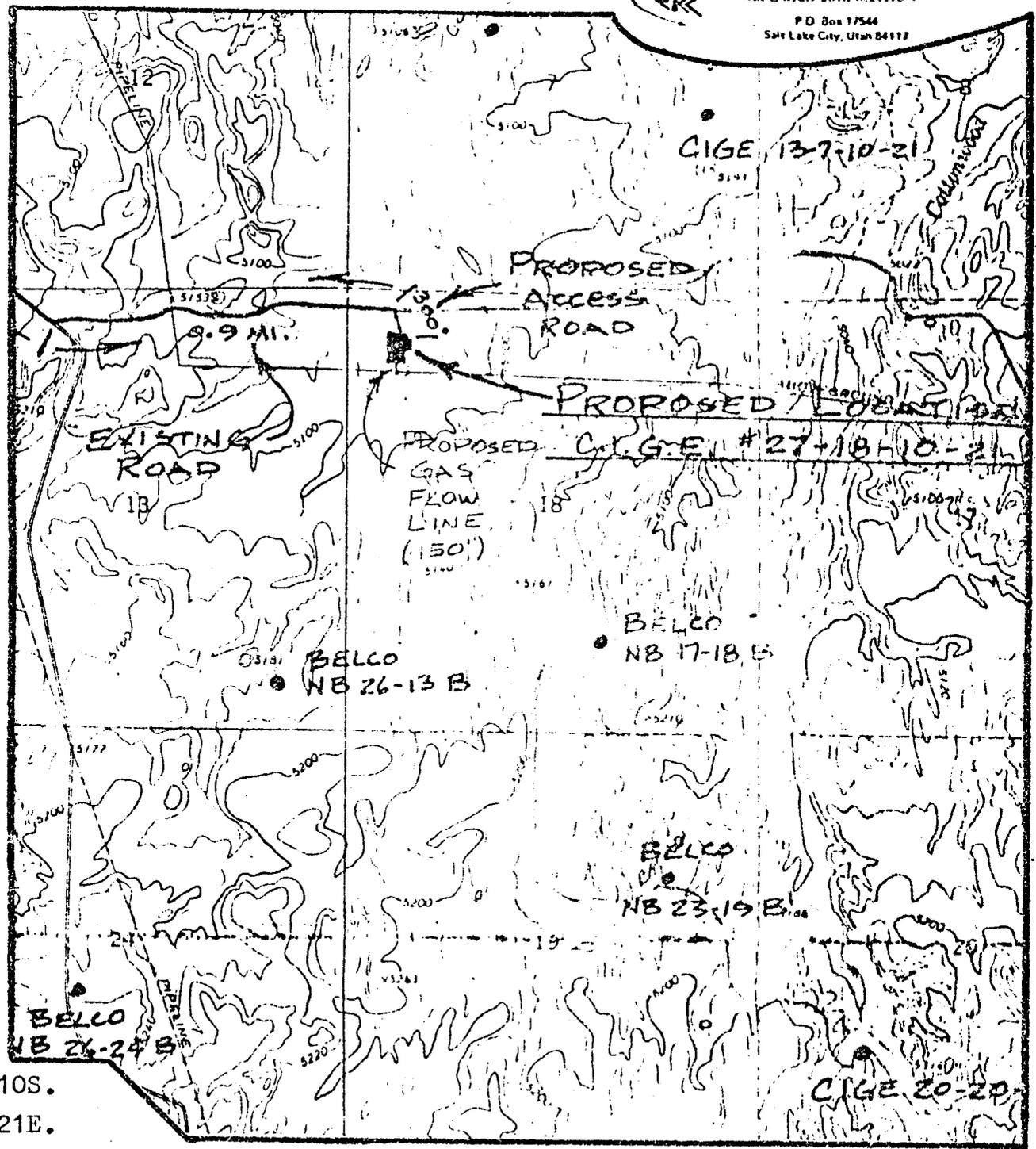
Signature of Title of Institutional Officer Responsible

*J.R. Hanks*



ARCHAEOLOGICAL ENVIRONMENTAL  
RESEARCH CORPORATION

P.O. Box 17544  
Salt Lake City, Utah 84117



T. 10S.  
R. 21E.

Meridian: Salt Lake B & M

Quad:

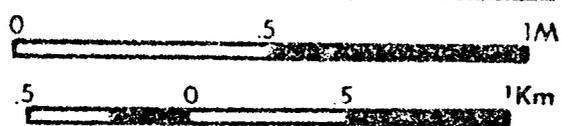
Project: GPE-78-5  
Series: Eastern Utah  
Date: 10/10/78

PROPOSED WELL LOCATION AND  
ACCESS ROAD  
CIGE 27-18-10-21  
NATURAL BUTTES LOCALITY  
UINTAH COUNTY, UTAH

Big Pack Mtn. NE,  
Utah  
7.5' Series



Legend:  
Proposed Well Location   
Proposed Access Road 



Scale

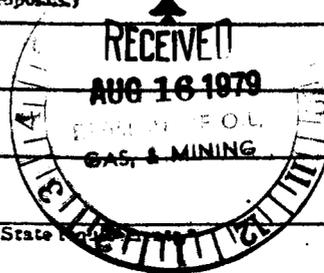
UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

SUBMIT IN TRIPLICATE -  
(Other instruction: Fe-  
verse side)

Form approved.  
Budget Bureau No. 42-21424.

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 <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER			5. LEASE DESIGNATION AND SERIAL NO. U-02270-A
2. NAME OF OPERATOR CIG EXPLORATION, INC.			6. IF INDIAN, ALLOTTEE OR TRIBE NAME N/A
3. ADDRESS OF OPERATOR P. O. BOX 749, DENVER, CO 80202			7. UNIT AGREEMENT NAME NATURAL BUTTES UNIT
4. LOCATION OF WELL (Report location clearly and in accordance with any State law. See also space 17 below.) At surface 735' FNL & 679' FWL, Section 18, T10S, R21E			8. FARM OR LEASE NAME NATURAL BUTTES
14. PERMIT NO. 43-047-30504		15. ELEVATIONS (Show whether DF, RT, CA, etc.) 5077' UNGRADED GROUND	9. WELL NO. CIGE 27-18-10-21
			10. FIELD AND TOOL, OR WILDCAT BITTER CREEK FIELD
			11. SEC., T., R., M., OR BLM. AND SURVEY OR AREA Sec 18-T10S-R21E
			12. COUNTY OR PARISH UINTAH
			13. STATE UTAH

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

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) PIPELINE HOOKUP <input checked="" type="checkbox"/>	
(Other) PIPELINE HOOKUP <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.)

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

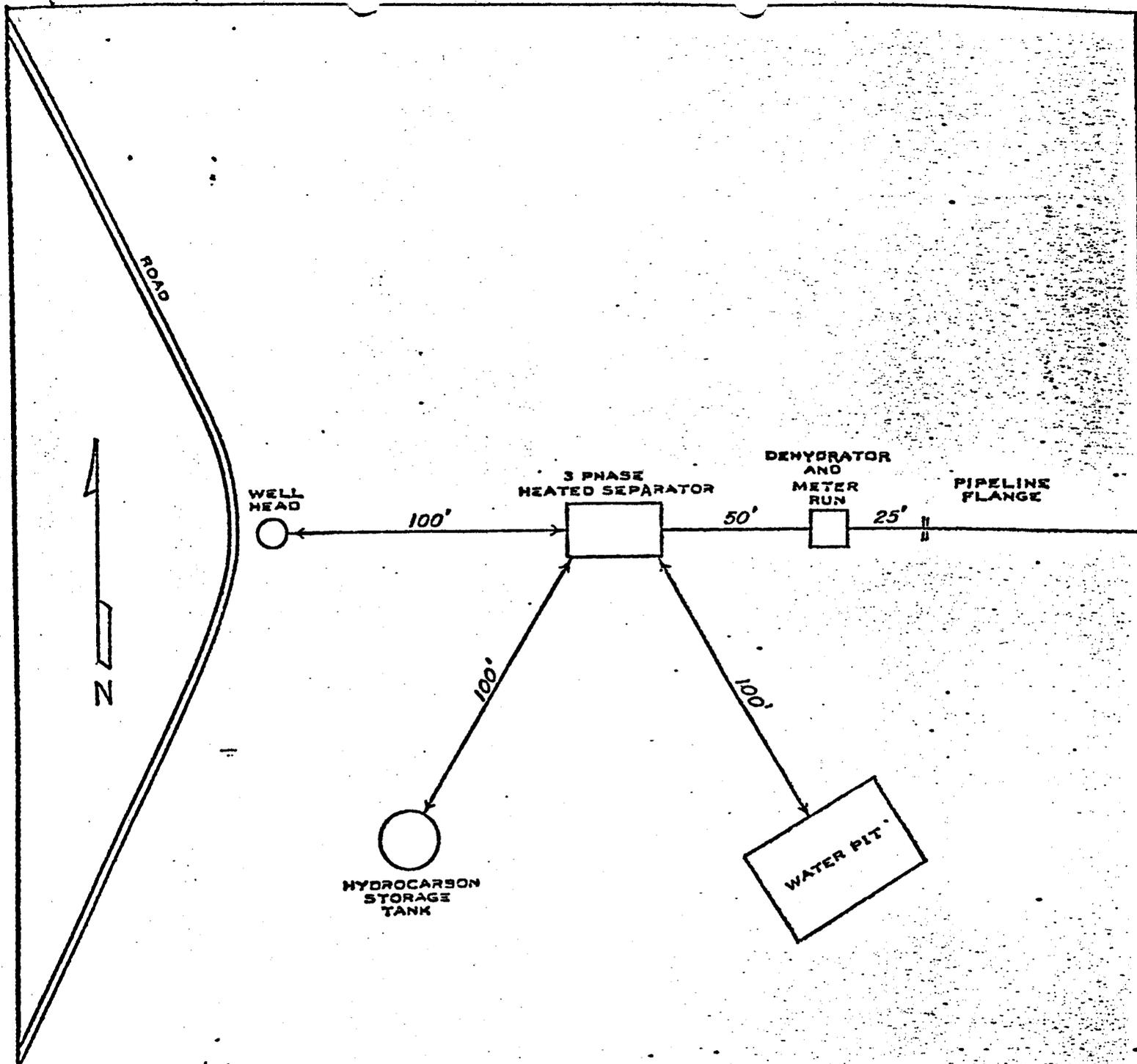
IRA K. McCLANAHAN AT (303) 473-2300

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

SIGNED *E. R. Mickie* TITLE DISTRICT SUPERINTENDENT DATE August 13, 1979  
F. P. MICKIE

(This space for Federal or State office use)

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



GAS PRODUCING ENTERPRISES, INC.  
DENVER, COLORADO

CIGE 27-18-10-21  
Section 18-T10S-R21E  
Uintah County, Utah

Statement for permit to lay flow line, to be included with application for Drilling Permit --

Upon approval of all concerned regulatory agencies, CIG proposes to install a surface flow line from CIGE 27-18-10-21 in a southerly direction through the NW/4 of Section 18 connecting to MFS 4" line in the NW/4 of Section 18, all in 10S-21E. The line will be approximately 400' long as shown on the attached sketches.

Pipe will be 2-3/8" O.D. x .125" W.T., Grade "B". 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.

ESTIMATE SKETCH

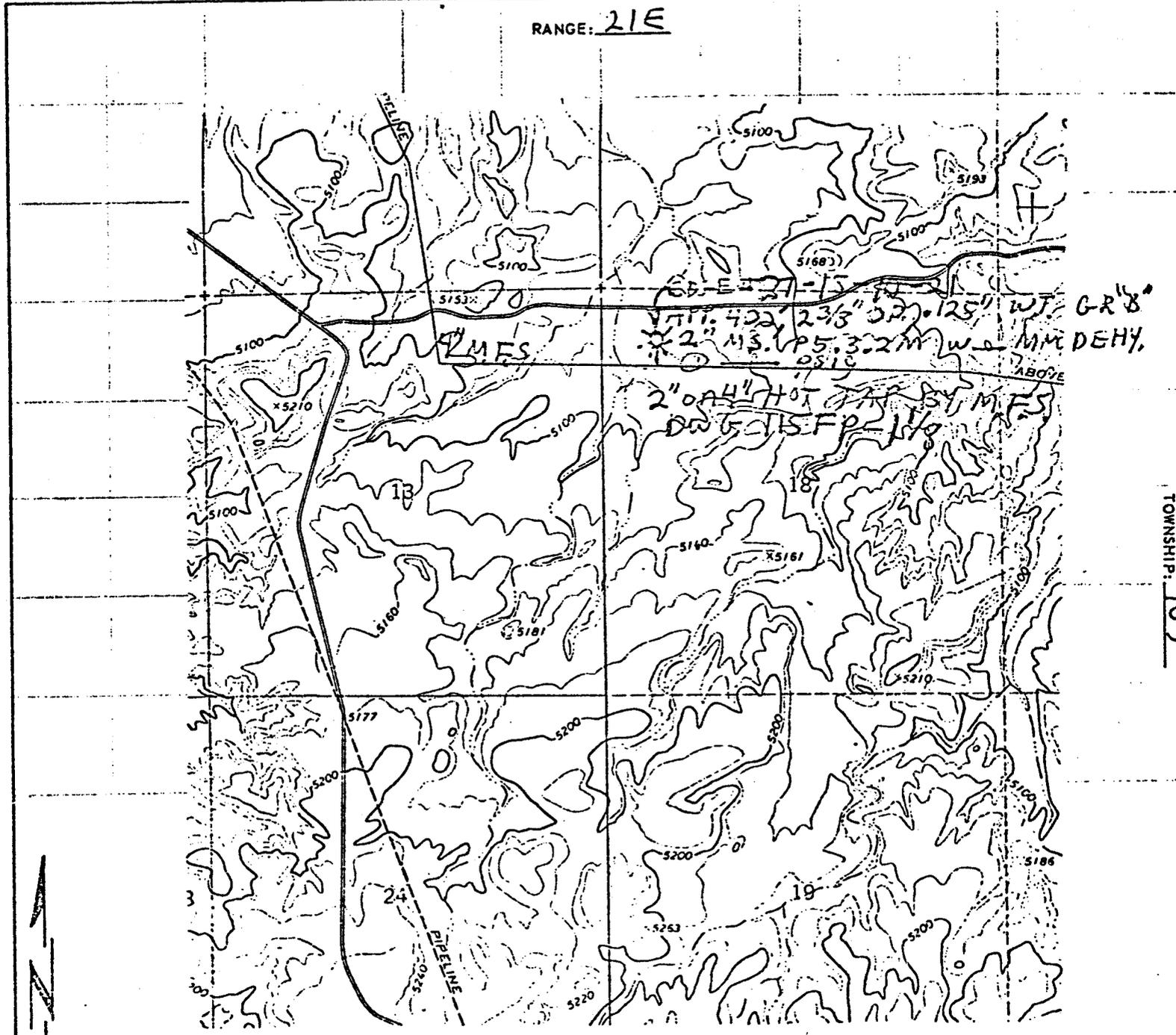
DATE: 8-1-79  
STARTING DATE: \_\_\_\_\_  
EST. COMP. DATE: \_\_\_\_\_  
 COMPANY  CONTRACT

COLORADO INTERSTATE GAS COMPANY  
 NORTHWEST PIPELINE CORPORATION

W. O. NO.: \_\_\_\_\_  
REVISION NO.: \_\_\_\_\_  
BUDGET NO.: \_\_\_\_\_  
RELATED DWG.: 115 FU-10

LOCATION: 735' FNL, 674' FNL, SEC. 18-15-21E COUNTY: Uintah STATE: Utah  
DESCRIPTION OF WORK: Connect CIG #27-18-10-21 Natural Buttes

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

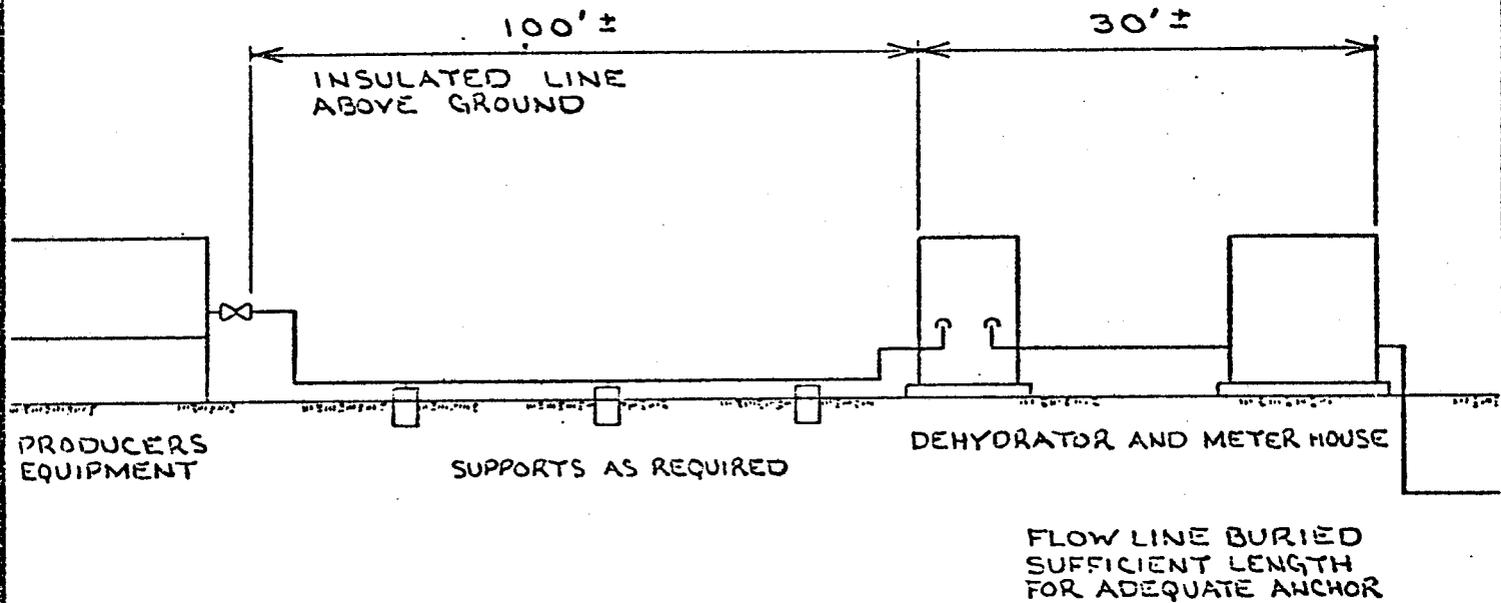


TOWNSHIP: 10S



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

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



NO.	C O. NO.	DESCRIPTION	DATE	BY	CHK.	APPR.

Colorado Interstate Gas Co.  
 COLORADO SPRINGS, COLORADO

TYPICAL WELL HEAD INSTALLATION  
 NATURAL BUTTES FIELD

UINTAH COUNTY, UTAH

SCALE: NONE DRAWN: RWP APP:   
 DATE: 7-13-77 CHECK: c o. 23858 **115FP-2 1/8**

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

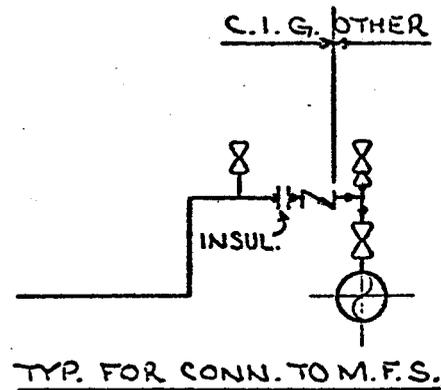
20' ±

B.O. U.S.

EXIST. PIPELINE

ALTERNATE ANCHOR - BURY PIPELINE MIN. OF 18"

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



Colorado Interstate Gas Co.  
COLORADO SPRINGS, COLORADO

TYPICAL CONNECTION TO MAIN LINES AND PIPE ANCHOR  
DETAIL - NATURAL BUTTES FIELD  
JUNTA COUNTY, UTAH

NO.	C.O. NO.	DESCRIPTION	DATE	BY	CHK.	APP.
1	23858	REVISE STARTING POINT	8-22-77	RWP		

SCALE: NONE DRAWN: RWP APP: AN  
DATE: 7-7-77 CHECK: [Signature] C.O. 23858 115FP-1 1/8

DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

NAME OF COMPANY: CIG Exploration (Gas Producing Enterprises)

WELL NAME: CIGE #27-18-10-21 (NBU #33V)

SECTION 18 NW NW TOWNSHIP 10S RANGE 21E COUNTY Uintah

DRILLING CONTRACTOR \_\_\_\_\_

RIG # \_\_\_\_\_

SPUDDED: DATE 11/27/79

TIME 2:30 p.m.

HOW rotary

DRILLING WILL COMMENCE ASAP

REPORTED BY \_\_\_\_\_

TELEPHONE # \_\_\_\_\_

DATE November 27, 1979

SIGNED Original Signed By M. T. Minder

cc: USGS

NOTICE OF SPUD

WELL NAME: NATURAL BUTTES UNIT No 334 (C16E 27-18-10 21)

LOCATION: NW 114 NW 114 SECTION 18 T-10S R-21E

COUNTY: WINTAH STATE: UTAH

LEASE NO.: U-02270-A LEASE EXPIRATION DATE: 7/31/61

UNIT NAME (If Applicable): NATURAL BUTTES UNIT

DATE & TIME SPUDDED: 2:30 pm 11/27/79

DRY HOLE SPUDDER: PARKER AIR DRILLING

DETAILS OF SPUD (Hole, Casing, Cement, etc.): Spud 12 1/4" hole to 206'  
1/2" RW 206' 9 5/8" 36 # 8RD, IC-55 ST EC E set @ 197' 6". 11/30/79  
Cont w/120 SX Class "G" w/296 CaCl<sub>2</sub>. Completed @  
12 noon 11/30/79.

ROTARY RIG NAME & NUMBER: MASCK RIG #1

APPROXIMATE DATE ROTARY MOVES IN: 12/4/79

FOLLOW WITH SUNDRY NOTICE

USGS CALLED: DATE: 11/27/79

PERSON CALLED: Lois Johnson

STATE CALLED: DATE: 11/27/79

PERSON CALLED: STEVE BAKER

REPORTED BY: PAT BOHNER

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

SUBMIT IN TRIPlicate  
(Other instructions on reverse side)

Form approved,  
Budget Bureau No. 42-81421.

**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.)

5. LEASE DESIGNATION AND SERIAL NO.

U-02270-A

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

N/A

7. UNIT AGREEMENT NAME

NATURAL BUTTES UNIT

8. FARM OR LEASE NAME

NATURAL BUTTES

9. WELL NO. NATURAL BUTTES UNIT #33Y

(CIGE 27-18-10-21)

10. FIELD AND POOL, OR WILDCAT

BITTER CREEK FIELD

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

Section 18-T10S-R21E

12. COUNTY OR PARISH 13. STATE

Uintah

Utah

1. OIL WELL  GAS WELL  OTHER

2. NAME OF OPERATOR

GAS PRODUCING ENTERPRISES, INC.

3. ADDRESS OF OPERATOR

P. O. BOX 749, DENVER, COLORADO 80201

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.\*  
See also space 17 below.)  
At surface

735' FNL & 679' FWL, Section 18-T10S-R21E

14. PERMIT NO.

43-047-30504

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

5077' UNGR. GR.

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

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other)

PULL OR ALTER CASING

MULTIPLE COMPLETE

ABANDON\*

CHANGE PLANS

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other) CHANGE IN OPERATOR

REPAIRING WELL

ALTERING CASING

ABANDONMENT\*

(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.)\*

- (1) Change in Operator from CIG Exploration, Inc., to Gas Producing Enterprises, Inc. (See attached letter withdrawing designation of agent from GPE to CIGE.)
- (2) Change in well name from CIGE 27-18-10-21 to Natural Buttes Unit No. 33 Y.

Verbal approval received from Bill Martens (USGS) on November 26, 1979. State of Utah notified November 27, 1979.



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

SIGNED F. W. Heiser

TITLE Drilling Superintendent

DATE November 30, 1979

(This space for Federal or State office use)

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

TITLE \_\_\_\_\_

DATE \_\_\_\_\_

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

SUBMIT IN TRIPPLICATE\*  
(Other instructions on re-  
verse side)

Form approved  
Budget Bureau No. 42-R1424

5. LEASE DESIGNATION AND SERIAL NO.

U-02270-A

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

N/A

7. UNIT AGREEMENT NAME

NATURAL BUTTES UNIT

8. PAYEE OR LEASE NAME

NATURAL BUTTES

9. WELL NO. NATURAL BUTTES UNIT #33Y

(CIGE 27-18-10-21)

10. FIELD AND POOL, OR WILDCAT

BITTER CREEK FIELD

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

Section 18-T10S-R21E

12. COUNTY OR PARISH

Uintah

13. STATE

Utah

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  
GAS PRODUCING ENTERPRISES, INC.

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

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.\*  
See also space 17 below.)  
At surface

735' FNL & 679' FWL, Section 18-T10S-R21E

14. PERMIT NO.  
43-047-30504

15. ELEVATIONS (Show whether DF, RT, CR, etc.)  
5077' UNGR. GR.

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

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF   
FRACTURE TREAT   
SHOOT OR ACIDIZE   
REPAIR WELL   
(Other)

PULL OR ALTER CASING   
MULTIPLE COMPLETE   
ABANDON\*   
CHANGE PLANS

SUBSEQUENT REPORT OF:

WATER SHUT-OFF   
FRACTURE TREATMENT   
SHOOTING OR ACIDIZING   
(Other)

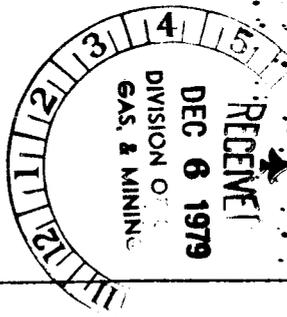
REPAIRING WELL   
ALTERING CASING   
ABANDONMENT\*   
SPUD

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

17. DESCRIBE PROMISED 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.)\*

PLEASE SEE ATTACHED REPORT OF SPUD.

VERBAL REPORT GIVEN TO LOIS JOHNSON (USGS) AND STEVE BAKER (STATE) ON NOVEMBER 27, 1979.



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

SIGNED F. W. HEISER

TITLE DRILLING SUPERVISOR

DATE DECEMBER 3, 1979

(This space for Federal or State office use)

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

TITLE \_\_\_\_\_

DATE \_\_\_\_\_

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

SUBMIT IN TRIPPLICATE  
(Other Instructions on Re-  
verse side)

Form approved.  
Budget Bureau No. 42-R1424.  
5. LEASE DESIGNATION AND SERIAL NO.

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.)

U-02270-A  
6. IF INDIAN, ALLOTTEE OR TRIBE NAME

N/A

1. OIL WELL  GAS WELL  OTHER

7. UNIT AGREEMENT NAME  
NATURAL BUTTES UNIT

2. NAME OF OPERATOR  
GAS PRODUCING ENTERPRISES, INC.

8. FARM OR LEASE NAME  
NATURAL BUTTES

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

9. WELL NO.  
NATURAL BUTTES UNIT #333Y  
(CIGE 27-18-10-21)

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.  
See also space 17 below.)  
At surface

10. FIELD AND POOL, OR WILDCAT  
BITTER CREEK FIELD

735' FNL & 679' FWL, Section 18-T10S-R21E

11. SEC., T., R., M., OR BLE. AND SURVEY OR AREA  
Section 18-T10S-R21E

14. PERMIT NO.  
43-047-30504

15. ELEVATIONS (Show whether DF, RT, CR, etc.)  
5077' UNGR. GR.

12. COUNTY OR PARISH 13. STATE  
Uintah Utah

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

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF   
FRACTURE TREAT   
SHOOT OR ACIDIZE   
REPAIR WELL   
(Other)   
PULL OR ALTER CASING   
MULTIPLE COMPLETE   
ABANDON\*   
CHANGE PLANS

SUBSEQUENT REPORT OF:

WATER SHUT-OFF   
FRACTURE TREATMENT   
SHOOTING OR ACIDIZING   
(Other)   
REPAIRING WELL   
ALTERING CASING   
ABANDONMENT\*   
Status  XX  
(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.)\*

Monthly Report of Operations, November 16, 1979, through December 15, 1979.  
Please see attached chronological.

*Not Attached*

RECEIVED

DEC 24 1979

DIVISION OF  
OIL, GAS & MINING

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

SIGNED F. W. Heiser  
F. W. Heiser

TITLE Drilling Superintendent

DATE December 18, 1979

(This space for Federal or State office use)

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

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

SUBMIT IN TRIPlicate  
(Other instructions on re-  
verse side)

Form approved,  
Budget Bureau No. 42-R1421.  
5. LEASE DESIGNATION AND SERIAL NO.

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.)

U-02270-A  
6. IF INDIAN, ALLOTTEE OR TRIBAL NAME  
N/A

1. OIL WELL  GAS WELL  OTHER

7. UNIT AGREEMENT NAME  
NATURAL BUTTES UNIT

2. NAME OF OPERATOR  
GAS PRODUCING ENTERPRISES, INC.

8. FARM OR LEASE NAME  
NATURAL BUTTES

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

9. WELL NO.  
NATURAL BUTTES UNIT #33Y

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.\*  
See also space 17 below.)  
At surface  
735' FNL & 679' FWL, Section 18-T10S-R21E

10. FIELD AND POOL, OR WILDCAT  
BITTER CREEK FIELD

11. SEC., T., R., M., OR BLE. AND SURVEY OR AREA  
Section 18-T10S-R21E

14. PERMIT NO.  
43-047-30504

15. ELEVATIONS (Show whether DF, RT, GR, etc.)  
5077' UNGR. GR.

12. COUNTY OR PARISH  
Uintah

13. STATE  
Utah

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

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF   
FRACTURE TREAT   
SHOOT OR ACIDIZE   
REPAIR WELL   
(Other)   
PULL OR ALTER CASING   
MULTIPLE COMPLETE   
ABANDON\*   
CHANGE PLANS

SUBSEQUENT REPORT OF:

WATER SHUT-OFF   
FRACTURE TREATMENT   
SHOOTING OR ACIDIZING   
(Other)   
REPAIRING WELL   
ALTERING CASING   
ABANDONMENT\*   
Status

(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.)\*

Monthly report of operations December 16, 1979, through January 15, 1980. Please see attached chronological.

RECEIVED  
JAN 18 1980  
DIVISION OF OIL, GAS & MINING

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

SIGNED R. P. Boswell

TITLE Drilling Superintendent

DATE January 15, 1980

(This space for Federal or State office use)

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

TITLE \_\_\_\_\_

DATE \_\_\_\_\_

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

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

Form approved.  
Budget Bureau No. 42-R1421.  
5. LEASE DESIGNATION AND SERIAL NO.

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.)

U-02270-A  
6. IF INDIAN, ALLOTTEE OR TRIBE NAME  
N/A

1. OIL WELL  GAS WELL  OTHER

2. NAME OF OPERATOR  
GAS PRODUCING ENTERPRISES, INC.

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

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.\*  
See also space 17 below.)  
At surface  
735' FNL & 679' FWL, Section 18-T10S-R21E

14. PERMIT NO.  
43-047-30504

15. ELEVATIONS (Show whether DF, RT, CR, etc.)  
5077' UNGR. GR.

7. UNIT AGREEMENT NAME  
NATURAL BUTTES UNIT

8. FARM OR LEASE NAME  
NATURAL BUTTES

9. WELL NO.  
NATURAL BUTTES UNIT #33  
(CIGE 27-18-10-21)

10. FIELD AND POOL, OR WILDCAT  
BITTER CREEK FIELD

11. SEC., T., R., M., OR BLE. AND SURVEY OR AREA  
Section 18-T10S-R21E

12. COUNTY OR PARISH  
Uintah

13. STATE  
Utah

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

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLET <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) <u>Status</u> <input checked="" type="checkbox"/>	

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

17. DESCRIBE PROMISED 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.)\*

Please see attached chronological report of operations from January 16, through February 15, 1980.

RECEIVED

FEB 25 1980

DIVISION OF  
OIL, GAS & MINING

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

SIGNED James F. McCormick TITLE Drilling Superintendent DATE February 18, 1980  
J. F. MCCORMICK

(This space for Federal or State office use)

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

GPE-NBU #33Y  
 Natural Buttes Unit  
 Uintah County, Utah  
 AFE: 11143  
 ATD: 6500' SD: 11-27-79  
 GPE, Inc., Oper.  
 Masek Drlg Co., Contr.  
 9-5/8" @ 197';

LOCATION: NW/4, Sec 18, T10S, R20E.  
 Uintah County, Utah

12-13-79 5058' (417'-23½ hrs); Drlg.  
 Drlg; RS & check BOPE; BGG 750, CG 1100; Drlg Brk 4940-4960';  
 Before 2.5 fpm, during 1.0, after 2.5; Gas before 500, during 1000, after 500.  
 Hole taking fluid-5-600 bbls mud last 24 hrs- carrying 3-5% LCM now stabilizing.  
 MW 8.8, vis 34, WL 14.8, PV 5, YP 4, oil 0, sand ¼, solids 3.0, pH 9.3, ALK:  
 Pf 0.2, Mf 0.9, CL 2700, CA 40, Gels 2/4, Cake 2/32, MBT 10 lb/bbl, Chrom 300.  
 Cum Csts: \$124,674.

12-14-79 5346' (288'-17 hrs); Drlg.  
 Drlg 5058-5130; drop survey @ 5130-1-3/4°; Trip for new bit; work  
 BOP's & change rotating head rubber. Wash & ream 150' to btm. Drlg 5130-  
 5346' Strap out of hole SLM= 5130.17 3000 units BGG; Drlg Brks: 5186-5206  
 3 m/ft to 1 min/ft to 2½ m/ft. 700 units to 1000 units, after 750. 5277-53  
 3 m/ft to 1 m/ft to 3 m/ft. 1000 units to 1300 units to 1000 after. 5260-  
 90 2½ m/ft to 1 min/ft to 5 m/ft 950 units to 3000 after 950; MW 9.0, vis 42  
 WL 10.4, PV 12, YP 6, oil 0, sand 1¼, solids 6, pH 9.3, ALK: Pf 0.2, Mf 1.5,  
 CL 2700, CA 40, Gels 2/4, Cake 2/32, MBT 18.6 lb/bbl, 3-5% LCM, Chr 250.  
 Cum Csts: \$135,851.

12-15-79 5658' (312'-23½ hrs); Drlg.  
 Drlg; RS- check BOP Equip. BGG: 1400, CG: 2200; Drlg Brk:  
 5437-5474 (37') MPF: 6.0-2.0-4.5 BGG: 450-670-450; MW 9.3, vis 42, WL 12.8,  
 PV 13, YP 12, oil 0, sand 1, solids 6.8, pH 9.0, ALK: Pf .2, Mf 2.0, CL 2800,  
 CA 40, Gels 2/6, Cake 2/32, MBT 18.6 lb/bbl Chr 250, 3% LCM. Cum Csts:  
 \$145,523.

12-16-79 5924' (266'-23½ hrs); Drlg 7-7/8" w/full retns.  
 Drlg; RS- check BOP; BGG: 100, CG: 250; Drlg brk: 5781-87 (6')  
 MPF: 4.5-1.0-3.5; BGG: 180-450-180. MW 9.3+, vis 65, WL 11.2, PV 21, YP  
 20, oil 0, sand 1, solids 7.1, pH 8.5, ALK: Pf .2, Mf 2.4, CL 2800,  
 CA 80, Gels 7/25, Cake 2/32, MBT 18.6 lb/bbl, 4% LCM, Chr 200. Cum  
 Csts: \$153,505.

12-17-79 6217' (293'-23½ hrs); Drlg.  
 Drlg; RS & check BOP's BGG 750 units, CG 1000, Drlg Brk:  
 5936-47 4½ m/ft to 1-2 min/ft to 4½ m/ft Gas 100 units before, 150 during,  
 100 units after. Full retns. (projected TD 6500') MW 9.4, vis 34, WL 14.0,  
 PV 10, YP 4, oil 0, Sand 1, solids 7.5, pH 8.4, ALK: Pf 0.2, Mf 1.6, CL  
 2800, CA 80, Gels 2/6, cake 2/32, MBT 10.0 lb/bbl Chr 300. Cum Csts:  
 \$161,059.

12-18-79 6464' (247'-23½ hrs); Drlg 7-7/8 hole w/full retns.  
 Drlg; RS & check BOP's. BGG 75 units, CG 500 units. No  
 Drlg Brk. MW 9.4+, vis 38, WL 10.8, PV 12, Y¼ 6, sand 1.0, Solids 7.5,  
 pH 9.2, ALK: Pf 0.2, Mf 1.3, CL 2400, CA 40, Gels 2/5, Cake 2/32, MBT  
 16.4 lb/bbl, chr 300. Cum Csts: \$169,929.

12-19-79 6500' (36'-3½ hrs); TIH to cond.  
 Drlg, circ & cond for logs; Drop survey (1½° @ 6500'); Short  
 trip; TOH for logs- Strap out, strap 6500,25'; run dual ind log; Ran Schl  
 FDC-CNL- Also have DIL run; tool problems w/sonic. TIH w/20 DC's & 1 jt  
 DP when gas kicked; TIH 4 stds well kicked- Circ; Schl TD 6504'. MW 9.3,  
 vis 39, WL 10.8, PV 10, YP 7, sand 3/4, solids 6.7, pH 8.8, ALK: Pf 0.3,  
 Mf 1.5, CL 2400, CA 40, Gels 2/4, Cake 2/32, MBT 16.2 lb/bbl, Chr 300 ppm.  
 Cum Csts: \$177,075.

12-20-79 6500' Running 4½" csg w/Parrish oil tool crew.  
 Finish TIH; Circ & cond mud & hole; LD DP & DC 's; RU csg crew;  
 run 4½" csg. MW 9.6, vis 43, WL 10.0, PV 12, YP 8, sand 3/4, solids 6.7,  
 pH 9.5, ALK: Pf 0.3, Mf 1.5, CL 2400, CA 40, Gels 2/6, cake 2/32, MBT 16.8  
 lb/bbl; Cum Csts: \$196,929.

GPE-NBU #33Y

Natural Buttes Unit

Uintah County, Utah

AFE: 11143 WI: 0%

ATD: 6500' SD: 11-27-79

GPE, Oper.

LOCATION: NW/4, Section 18-T10S-R20E.

9-5/8" @ 197'; 4½" @ 6500';

TD: 6500'

PBSD: 6469'

2-14-80 Prep to drl cmt- after repairing swivel.

Start motors on rig & pmp- prep to circ; mill dn retainer & cmt- made 2½'- try to reverse circ- plugging up- pmp press 500-1500 psi- 1-4000# on bit- losing some to form above 1000 psi- tot 30 BW. RO swivel- change out elevators; POOH w/2-3/8 tbg, collars & mill; take off stripping rubber- tbg wet- surged- mill had iron stuck in wtr courses; PU bit, CS, 2 xo's, 2-3/8" tbg & TIH- Install stripping rubber; RU swivel etc- swivel would not turn- SDFN. Cum Csts: \$121,831.

2-15-80 Prep to swab - check for wtr influx.

Start motors, work on swivel. Start drlg on ret, 1-4000# WOB, 300 psi. Out of cmt 5284'. Tagged CIBP @ 5305'. Circ csg clean. RD Swivel - change out elevator. POH, LD bit & CS. PU MHS Pkr & TIH, Tag BP @ 5305'. PU pup sub, set pkr @ 5300'. Test BP & pkr to 3000 psi - OK. Reset pkr @ 5239'. Press perms to 3000 psi, bled off. Re-press to 300 psi, bled to 1500 psi in 3-4 mins. Again bled to 300 in 24 mins. SDFN. Cum csts \$126,267.

Natural Buttes Unit

Uintah County, Utah

LOCATION: NW/4, Section 18-T10S-R20E

AFE: 11143

WI:

ATD: 6500'

SD: 11-27-79

GPE, Inc., Oper

9-5/8" @ 197'; 4½" @ 6500'

TD: 6500'

PBTD: 6469'

2-7-80 TIH w/Baker Stinger, prep to squeeze cmt.

@ 7 AM, well on 48/64" ck, extremely weak blow, no new fluids. 100# on annulus. RU to tag FL w/swab. Tag @ 2000' on 1st run, 3000' on 2nd run. @ 8:30 AM, RU Dowell, filled annulus w/10# brine. 8:45 AM pumped 10 bbls 10# brine dn tbg. Tbg loaded w/10 bbls in. Pump 5 bbls @ 2 BPM, 1350 psi w/no blow on backside. @ 9:45 AM, release pkr, run 1 std tbg, tag & rel BP. @ 10 AM, well flowing on tbg. @ 10:15 AM, reverse 40 bbls 10# brine w/Dowell @ 1½-2-3 PM. Good rets up tbg. @ 10:45 AM, well quit on tbg & annulus. @ 11 AM, start TOH. pulled 1000'. BP grabbing wall & set. @ 2:15 PM, get out of hole. LD BP & pkr - 1 slip Dye missing from BP. Upper pkr element on BP partially gone. Pkr looked good. Took 10 BF thruout trip to fill hole. RU Schl & lub & TIH w/Baker CIBP. Set @ 5305' - POH & redress w/cmt ret. Set ret @ 5225'. RD Schl & SIFN @ 5 PM.

2-8-80 Prep to perf 4941, 45, 49, 53, & 57'.

100 psi SICP- bled off; PU stinger to TIH w/2-3/8" tbg- sting into retainer; @ 5225' & spaced out- stung out- RU Dowell & reverse w/85 BW to clean out gas- good retns w/10# brine. Sting in pmp 3½ bbls to est rate ½ BPM @ 1300 psi, 1½ BPM @ 1700 psi- Mix & pmp 25 sx 65½ Bbls "G" w/0.5% D-6, Displ @ 1½ BPM @ 1500 psi- press incr to 2500 psi @ ¼ BPM when cmt hit perfs, w/1½ bbls cmt in perfs, press dropped to 2100 psi. Then immed came back to 3000 psi, rock back & forth got another 3/4 bbl in perfs; Held 10 min- ok; stung out of retainer; Reverse w/47 BW total- 10 sx cmt into perfs; TOOH- SIFN. Cum Csts: \$98,712.

2-9-80 Flwg to pit on 32/64" choke.

SICP 200 psi @ 7:00 am; bled off- RU OWP- ran w/3-1/8" csg gun; perf @ 4957, 4953, 4949, 4945, 4941' (5 shots) POOH, RD OWP. PU Otis retrievable BP, pkr w/tailpipe, TIH. Set BP @ 4806- pull 1 std, set pkr @ 4715' filled annulus w/2 bbls 10# brine- press annulus to 1000 psi. Tst pkr, BP w/6000 psi held ok- rel pkr- ran in 1 std, tag and rel BP, reset BP @ 5111', pull 3 stds & single to pkr @ 4852 (did not set it) tailpipe @ 4893'. RU Dowell- spot 15 bbls 5% KCl in tbg w/4 bbls ahead & 1 frac ball each 2 bbls thereafter (dropped 6 balls) set pkr @ 4852'. Press ann to 1000 psi. Start pmp 5% KCl @ inc rates. First broke @ 3400 psi (5 BPM) inc rate to 7½ BPM @ 5400 psi. Started to get good ball action. Reduce rate to 3 BPM @ 5900 psi then 2 BPM @ 5900- balled out to 7500 psi w/29 bbls pmpd in formation. Held 7500 psi for 12 min. Surged well & SI. 45 min SITP 1255 psi opn well 3:00 to pit on 48/64" ck w/49 BLWTR. 7:00 am FTP 0 psi on 32/64" ck have recovered 45.28 bbls still flwg @ ± 1 bbl/hr. Will put on orifice tstr when wtr drys up. Fair blw of gas @ present time. Cum Csts: \$109,773.

2-10-80 Flw well to pit on 32/64" (FTP 0 psi).

Rec 52.25 BW (3 bbls over load) by flwg to pit on 32/64" choke. Flwg small amount of gas (± 75 MCFD). Cum Csts: \$110,933.

2-11-80 Flw to pit 32/64" -17°F.

Flw tst to pit. Rec 55.3 bbl total. Total fluid in put 49 bbl 65 hrs flw @ 8 AM 2-11-80. Est rate 75 mcf. Dry w/sli mist intermittantly.

2-12-80 Prep to TIH w/mill.

Thaw out rig engine & pmpe. Load tbg w/20 BW. Release pkr @ 4852'- Get BP @ 5111'. Pull BP- well started kicking- circ w/40 bbls 10# brine; load tbg w/20 BW; TOOH w/pkr & BP; LD BP & pkr. PU 4½" Baker csg scraper & 4 3-1/8" DC crossover, stand back in derrick. SIFN.

2-13-80 Drl on retainer & cmt.

Start motor on rig; change batteries on rig & pmp motors; charge Gibson 1 hr; PU 3-7/8" concave mill Baker csg scraper, XO 4 DC- 3-1/16 x 1-9/32, TIH w/2-3/8" tbg SLM, Tag retainer @ 5225', well kick on tbg @ 2000', & 4000' Pmp brine dwn tbg, install stripping rbr & RU Power Swivel; Drlg on retainer, try to reverse circ- plugging work back & forth- finally got rubber ect out- 500'1500 psi- 2-4000# on bit. Made 1 ft- clear tbg & csg. SDFn. Cum Csts: \$118,585.

GPE-NBU #33Y  
Natural Buttes Unit  
Uintah County, Utah

LOCATION: NW/4, Sec 18, T10S, R20E.  
Uintah County, Utah

AFE: 11143

ATD: 6500' SD: 11-27-79

TD: 6500'

GPE, Inc., Oper.

PBTD: 6469'

Masek Drlg Co., Contr.

9-5/8" @ 197'; 4 1/2" @ 6500';

1-26-80 Prep to TOOH w/2-3/8" tbg w/MCAPS pkr.  
PU 1 jt 2-3/8" w/overshot & pkr and TIH w/2-3/8" tbg to 5796'  
& set pkr. Put 1250 psi on annulus. Pmpd 5% KCl dwn tbg to breakdown perms.  
Perfs broke @ 4300 psi- pmpd 3 Bbls bled off & released pkr. Spotted 500  
gals 7 1/2% HCl acid & 7 bbls 5% KCl dwn tbg. Reset pkr, press annulus to 1600  
psi displd acid w/18 bbls 5% KCl. Broke @ 2 BPM @ 5500 psi. Incrd to 8 BPM  
@ 5600 psi- 8 1/2 BPM @ 5900 psi. ISI- 2000 psi, 5 min 1900, 10 min- 1900;  
RD Western Co., RU Blow dwn line. Opn well to pit- Flwd well- well dead  
after 1 hrs. Total rec- 8.6 Bbls KCl wtr; RU to swb; swbg; 1st swbd 8 bbls;  
2nd hit FL @ 1500' Swbd 8 bbls from 3500'; 3rd hit fluid @ 3750', swbd 8 bbls  
from 5500'; 4th swbd from pkr- 1 bbl. Swbd dry; RD swb unit, pulled pkr  
loose- run 4 stds & PU BP @ 6090'. Pulled 8 stds & set BP @ 5601'. Pulled  
1 std to get off BP. SDON. Cum Csts: \$31,800.

1-27-80 Prep to flw test on 16/64".  
200 psi FTP 294 MCFD. POOH w/2-3/8" tbg & pkr; RU McCullough &  
TIH, run collar log; Shot 5472, 5468, 5464, 5458, 5454, 5448, 5284, 5280,  
5276, 5208, 5204, 5196, 5192 w/3-3/8" csg gun; POOH & RD McCullough; PU  
jt w/overshot & MHCTS pkr & TIH to 5096. Set pkr w/TP @ 5137#. NU tree &  
RU Dowell- fill annulus, press to 1000 psig; pmpd- well broke dwn 2700 psig  
3 bbl/min, 6 bbl/min @ 3500 psig. 4400 psig 7 bbl/min, 5200 psig 7 bbl/min.  
(Ball action) 20 balls SD ISI 1200 psig; 101 bbl, did not completely ball out  
Surge well- pmp 7 bbl/min 4700 psig 14 bbl- total 115 bbl; ISIP 1200 psig, 10"  
1200 psig, 30" 550 psig. 3:30 PM opn to tanks 48/64"; 4:30 pm Rec 17.8 bbl;  
5:30 PM Rec 25.6 bbl; 6:15 PM Rec 41.8 bbl; 7:00 PM Rec 47.4 bbl; Flw to pit  
overnite 16/64" choke. Total Rec 98.5 bbl. Cum Csts: \$41,864.

1-28-80 Flw pit on 16/64 choke.  
1-27-80: 7:30 AM Rec 98.5 bbl fluid 16/64 FTP 200 psi 294  
MCFD 12 1/2 hrs to pits. Total Fluid 1 PM 107.8 bbl fluid 16/64 FTP 200 psi,  
294 MCFD. Total hrs 21.5. 1-28-80: 7:30 Rec total 141.9 bbl fluid 16/64, FTP  
200, 294 MCFD. Total Flw 40 hrs. Load recovered. Cum Csts: \$65,004.

1-29-80 6500' Flw on 16/6r" choke. PBTD 6469'.  
Rec total 176 bbl 34.1 bbl 24 hrs; FTP 180 psig- 265 mcf.  
1.4 bbl/hr. Cum Csts: \$67,077.

1-30-80 Flw to pits on 24/64".  
9 AM FTP 125, 20/64 303 mcf 1.4 bbl  
10 AM 125 20/64 303 1.5  
10:30 125 20/64 303 0.46  
11:30 100 24/64 340 1.39  
12:30 100 24/64 340 1.39  
1:30 100 24/64 340 1.24  
2:30 " " " 1.47  
3:30 " " " 1.55  
4:30 " " " 1.55  
187.95 bbl- total load 140 bbl. 7:30 9- FTP, 24/64, 306 MCFD 20.15 bbl-15 hrs.  
Cum Csts: \$68,537. 1.34.

1-31-80 6500' PBTD 6469'; Prep to GIH w/swb.  
Flw on 24/64" choke @ 90 psi FTP- 306 MCF. Rec total of 211 BW.  
Last 24 approx 1.3 BWPH. SI Prep to kill well- fill annulus w/10 bbls 5%  
KCl wtr. SITP 1225 psi- 1 hr. Pmp 25 bbls 5% KCl dwn tbg- well dead; RU  
stripping rubber- release pkr- PU 1 jt & 1 std set pkr @ 5249' tail pipe @  
5290'; RU to swb. Swb 17 bbls in 3 run- FL @ 1000'. Flw very weak no fluid.  
1 more run 4.26 BF- FL @ 4000'; Rec 21.26 BL- 3.6 BLTR; Flw well on 40/64  
weak blw; flw overnight on 32/64; SICP 500 psi; @ 7:30 flwg well on 32/64"  
choke. TP 0; annulus 500. 22.94 BW in, 15 hr; Total 44.2 bbl; 25 bbl load.  
In 15 hr avg 1.5 BPH. Cum Csts: \$72,258.

GPE-NBU #33Y  
 Natural Buttes Unit  
 Uintah County, Utah  
 AFE: 11143  
 ATD: 6500' SD: 11-27-79  
 GPE, Inc., Oper.  
 Masek Drlg Co., Contr.  
 9-5/8" @ 197'; 4½" @ 6500'

LOCATION: NW/4, Sec 18, T10S, R20E.  
 Uintah County, Utah

12-21-79 WOC.

Finish running 4½ csg. Circ. Run 198 jts 4½" 11.6# n-80 8 rd LT&C 6527.72 set @ 6500 KB (KB to GL= 13') Cont w/20 bbl CW 100, 750 sx 50-50 pos w/8% Gel 10% salt, 5#/sk coalite ¼#/D 29 (12.8#/gal) 1375 sx 50-50 pos w/2% gel 10% salt ¼#/sk D-29 (14.1#/gal). Displ w/101 bbl 2% KCl wtr Plug dn 11:12 AM 12-20-79. Circ thru out until dropped plug then lost all retns. Had tr cmt to surface just before dropping plug. Set slips w/80% string wt. Clean mud tanks; and nipple dwn BOP's; WOC; Release rig @ 4:PM 12-20-79. Cum Csts: \$273,836.

12-22-79 WOC. TD 6500'; PBD 6469';  
 RD MORT. Ran temp survey. Top of cmt 1400 (prelim).

TD 6500'  
 PBD 6469'

12-23 thru 26-79 WOC.

12-27-79 WOC.  
 WOC.

1-17-80 6500' TD; PBD 6449'; WOC.

RU Dowell and attempted to cmt 4½" csg annulus w/553 sx 50-50 Poz q/6% gel. Pmpd 3 bbls fresh wtr & 1 bbl of cmt slurry. Annulus press to 850 psi. Held press for 20 mins w/no bleed off. Flwd back 1 bbl cmt & ½ BW. RD Dowell and released. Cum Csts: \$279,246.

1-22-80 6500'; Test BOPE to 6000 psi.

Road rig from Vernal to well- Gibson Well Service.  
 RU rig; wait on BOP- NU BOP. RU floor & tongs- unload 2-3/8" N80, 4.7# tbg & rack on sills. Total 220 jts. SIFN.

1-23-80 6500' Prep to GIH w/RBP & pkr.

RU Yellow Jacket tst bline rams 6000# 15 min ok. Tst pipe rams, TIW valves & tree, all ok. PU bit, csg scraper & x-over sub & run tbg in hole 2-3/8 N80 4.7 & tally & remove thread protectors; Total 210 jts, tag btm @ 6411' w/5-10,000 wt; hook up pmp & lines & circ well w/5% KCl 100 bbl. TOOH w/2-3/8" tbg; LD 1 jt x-over, csg scraper & bit. RU OWP & log & run GNR-CCL, CDL w/gauge ring from 6398'-4500'. Cum Csts: \$9672.

1-24-80 Prep to acidize perfs 5937, 5941, 5945.

PU Otis Mod Quik Release BP, OS, 1 jt 2-3/8" tbg, MHCPS pkr & RIH w/198 jts 2-3/8" 4.7#, N80 tbg set BP @ 6090', Set pkr @ 5796'. Tailpipe @ 5830', RU Western Tst lines, tree, pkr, BP & tbg to 6000 psi. Held. RU OWP, GIH w/1-9/16" selectfire gun to 972'- line stranded- POOH-cutoff 1000'- rehead GIH & perf 5945', 5941', 5937'; RU Western- Press ann to 1000 psi; Press tbg to 6000 psi- wouldn't take fluid- surge & press to 6000 psi 3 times- No Go- Go to 7000 psi on tbg w/2500 on csg No Go. Cum Csts: \$16,340.

1-25-80 6500' PBD 6469'; Prep to GIH w/pkr & tbg.

RU Western & place 500 gal acid, 11 bbl KCl @ 5950' @ end of tail pipe pmp 2½-3 BPM. Pull 2 stds tbg. NU tree & Western, set pkrs @ 5796' Press 2500# on annulus Press tbg to 6000# for 3 min, 6500# for 12 min, bleed off tbg, surging press to 6500# for 17 min. Bleed off tbg, press back up to 3000# for 30 min & raise to 6500 psi for 6 min, raise to 7000 psi for 4 min, bleed off press to 6500 psi for 30 min; bleed off tbg & press to 6500' for 15 min. ND Western & tree. Run in 2 stds to 5950', RU Western & rev 3 bbl & run in 2 stds to 6090'. Tag bridge plug. Pull 1 std to 6026'; Rev 36 bbl 5% KCl dwn annulus w/Western to clear acid in annulus & tbg. TOOH w/tbg & Otis NHCTS pkr. WO McCullough; RU McCullough & WO flange for lubricator (wrong size) Run in csg to perf w/3-3/8" csg gun locate collar & shoot @ 5945', 5941', 5937' 3 shots. POOH w/gun & RD McCullough. Close blind rams, shut well in over night. Cum Csts: \$23,203.

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.

5. LEASE DESIGNATION AND SERIAL NO.

U-02270-A

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

N/A

7. UNIT AGREEMENT NAME

NATURAL BUTTES UNIT

8. FARM OR LEASE NAME

NATURAL BUTTES

9. WELL NO. NATURAL BUTTES UNIT

#33Y (CIGE 27-18-10-21)

10. FIELD AND POOL, OR WILDCAT

BITTER CREEK - WASATCH

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

Section 18-T10S-R21E

12. COUNTY OR PARISH

Uintah

13. STATE

Utah

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  
GAS PRODUCING ENTERPRISES, INC.

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

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)\*

At surface 735' FNL & 679' FWL, NW NW

At top prod. interval reported below  
SAME

At total depth  
SAME

14. PERMIT NO. 43-047-30504  
DATE ISSUED 9-21-78

15. DATE SPUNDED 11-27-79 16. DATE T.D. REACHED 12-19-79 17. DATE COMPL. (Ready to prod.) 3-9-80 18. ELEVATIONS (DF, REB, RT, GR, ETC.)\* 5077' Ungr. Gr. 19. ELEV. CASINGHEAD Unknown

20. TOTAL DEPTH, MD & TVD 6500' 21. PLUG, BACK T.D., MD & TVD 6469' 22. IF MULTIPLE COMPL., HOW MANY\* N/A 23. INTERVALS DRILLED BY → 197'-TD 0-197'

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

5945'-4941' (Wasatch)

Yes

26. TYPE ELECTRIC AND OTHER LOGS RUN ~~FDC-CNL, DIL, GNR-CCL, CDL~~ 27. WAS WELL CORDED No

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#	210' KB	12-1/4"	120 sx "G"	-----
4-1/2"	11.6#	6500' KB	7-7/8"	2125 sx 50-50 Poz	-----

29. LINER RECORD					30. TUBING RECORD		
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
		N/A			2-3/8"	4968'	-----

31. PERFORATION RECORD (Interval, size and number)		32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.	
INTERVAL (MD)	NUMBER	DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
See Attachment		See Attachment	

33.\* PRODUCTION

DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)				WELL STATUS (Producing or shut-in)	
1-27-80		Flowing				SI - WO Pipeline	
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
3-9-80	24	18/64	→	0	1800	4	-----
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	CORR.	
1350	1350	→	0	1800	4		

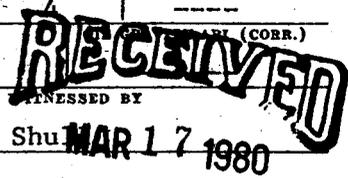
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) Vented TEST WITNESSED BY D. Shu

35. LIST OF ATTACHMENTS  
Perforation, Acidizing Squeeze & Fracturing Record

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

SIGNED J. F. McCormick TITLE Drilling Superintendent

DIVISION OF OIL, GAS & MINING  
DATE March 12, 1980



PERFORATION, ACIDIZING, SQUEEZE  
AND FRAC RECORD

NATURAL BUTTES UNIT 33Y  
(CIGE 27-18-10-21)

Perf with 1 SPF with 1-9/16" Selectafire Gun at: 5945', 5941' & 5937'.  
Total of 3 holes.  
Perfs would not breakdown.

Reperf with 1 SPF with 3-3/8" Casing Gun at: 5945', 5941' & 5937'.  
Total of 3 holes.  
Breakdown with 500 bbls 7½% HCl & 7 bbls 5% KCl water.

Perf with 3-3/8" Casing Gun with 1 SPF at:

5472'	5448'	5208'
5468'	5284'	5204'
5464'	5280'	5196'
5458'	5276'	5192'
5454'		

Acidized with 115 bbls 5% KCl water.

Squeeze perfs at 5272', 5276', 5280' & 5284' with 50 sacks cement.

Rebroke perfs 5454' to 5272' with 43 bbls 5% KCl water.

Frac with 17,000 gals gel + 35,000# 20/40 sand

Perf with 3-1/8" casing gun with 1 SPF at

4957'	4949'	4941'
4953'	4945'	Total 5 holes.

Breakdown with 29 bbls 5% KCl water.

Frac perfs 4941' to 4957' and 5192' to 5208' (4 holes) with 34,000 gals gel + 70,000# 20/40 sand.

**RECEIVED**

MAR 17 1980

DIVISION OF  
OIL, GAS & MINING

STATE OF UTAH  
 OIL & GAS CONSERVATION COMMISSION  
 348 EAST SOUTH TEMPLE  
 SUITE 301  
 SALT LAKE CITY, UTAH

REPORT OF WATER ENCOUNTERED DURING DRILLING

Well Name & Number: NATURAL BUTTES UNIT NO. 33Y (CICE 27 18 10 21)  
 Operator Gas Producing Enterprises, Inc. Address P.O. Box 749, Denver, CO Phone (303) 572-1121  
 Contractor J.A. Masek Drilling Co. Address 410 17th St. Suite 1675 Phone \_\_\_\_\_  
 Location: NW 1/4 NW 1/4 Sec. 18 T. 10 N R. 21E XX Uintah County, Utah.

Water Sands:

	<u>Depth</u>		<u>Volume</u>	<u>Quality</u>
	<u>From</u>	<u>To</u>	<u>Flow Rate or Head</u>	<u>Fresh or Salty</u>
1.				
2.			None Encountered	
3.				
4.				
5.				

(continued on reverse side if necessary)

Formation Tops:

Green River 1260'

Wasatch 4540'

**RECEIVED**

MAR 17 1980

Remarks:

NOTE: (a) Upon diminishing supply of forms, please inform the Commission  
 (b) Report on this form as provided for in Rule C-20, General Rules and regulations and Rules of Practice and Procedure, (See back of form)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

SUBMIT IN TRIPlicate  
(Other Instructions on Reverse Side)

Form approved,  
Budget Bureau No. 42-R1421.  
5. LEASE DESIGNATION AND SERIAL NO.

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.)

U-02270-A

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

1. OIL WELL  GAS WELL  OTHER

7. UNIT AGREEMENT NAME  
NATURAL BUTTES UNIT

2. NAME OF OPERATOR  
GAS PRODUCING ENTERPRISES, INC.

8. FARM OR LEASE NAME  
NATURAL BUTTES

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

9. WELL NO. NATURAL BUTTES UNIT #33  
(CIGE 27-18-10-21)

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.)  
At surface  
735' FNL & 679' FWL, Section 18-T10S-R21E

10. FIELD AND FOOT, OR WILDCAT  
BITTER CREEK FIELD

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
Section 18-T10S-R21E

14. PERMIT NO.  
43-047-30504

15. ELEVATIONS (Show whether DF, RT, GR, etc.)  
5077' UNGR. GR.

12. COUNTY OR PARISH  
Uintah

13. STATE  
Utah

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

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF   
FRACTURE TREAT   
SHOOT OR ACIDIZE   
REPAIR WELL   
(Other)   
PULL OR ALTER CASING   
MULTIPLE COMPLETION   
ABANDON\*   
CHANGE PLANS

SUBSEQUENT REPORT OF:

WATER SHUT-OFF   
FRACTURE TREATMENT   
SHOOTING OR ACIDIZING   
(Other)   
REPAIRING WELL   
ALTERING CASING   
ABANDONMENT\*   
Status

(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.)\*

Well completed March 9, 1980. Please see attached chronological for report of operations February 16, through March 15, 1980.

RECEIVED  
MAR 24 1980  
DIVISION OF  
OIL, GAS & MINING

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

SIGNED C. A. Hansen

TITLE Drilling Superintendent

DATE March 18, 1980

(This space for Federal or State office use)

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

TITLE \_\_\_\_\_

DATE \_\_\_\_\_

GPE-NBU #33Y

Natural Buttes Unit

Uintah County, Utah

AFE: 11143 WI: 0%

ATD: 6500' SD: 11-27-79

GPE, Oper.

LOCATION: NW/4, Sec 18-T10S-R20E.

9-5/8" @ 197'; 4½" @ 6500';

TD: 6500'

PBTD: 6469'

3-8-80 Flw to pit on 18/64" choke; FTP 1350 psi, 1800 MCFD.  
RD Gibson Well. Cum Csts: \$233,472.

3-9-80 RD Gibson Well Service;  
Well flw to pit on 10/64" choke. TP 1350 psi.

3-10-80 RD Gibson Well Service;  
Well flw to pit on 18/64" choke. TP 1350 psi; Flwg 1800 MCF.  
Cum Csts: \$233,472.

3-11-80 Flw to pit- no reading.

3-12-80 Turned over to production. Drop from Report.

GPE-NBU #33Y

Natural Buttes Unit

Uintah County, Utah

AFE: 11143 WI: 0%

ATD: 6500' SD: 11-27-79

GPE, Oper.

LOCATION: NW/4, Sec 18-T10S-R20E.

9-5/8" @ 197'; 4 1/2" @ 6500';

TD: 6500'

PBTD: 6469'

2-29-80 continued

<u>bbls pmpd</u>	<u>press</u>	<u>rate</u>	<u>event</u>	<u>bbls pmpd</u>	<u>press</u>	<u>rate</u>	<u>event</u>
175	6500	16		404	drop 5 balls-	14	start spacer
189	5400	16		437	5500	14	
238			start 3 ppg sand	448	5800	14	saw 3 balls hit
240	5400	16					getting ball action
262	5500	16		475			start 1 ppg
321			start 4 ppg sand	486	7300	16	
326	5200	17		520	4800	17	broke back
				546	4800	17	

Cum Csts: \$212,679.

3-1-80

flw well to pit.

7 AM 2-29-80 SITP 500 psi; (20 1/2 hrs SI); Opened well on 16/64 ck

flw to pit 400 psi FTP; frac fluid only; 1430 hrs, started to get some gas

<u>TIME</u>	<u>CHOKE</u>	<u>FTP</u>	
0800	18/64	200	load fluid
0900	20/64	150	"
1200	20/64	50	"
1300	20/64	50	"
1330	20/64	50	"
1430	20/64	50	some gas
1530	20/64	100	little more gas
1700	16/64	125	frothy wtr

flw to pit

0700 16/64 650 1" stream w/lots gas

Cum Csts: \$216,563.

3-2-80

16/64" flw to pit FTP 875.

Heavy mist; flwg to pit on 16/64" choke; FTP 875. Cum Csts:

\$216,563.

3-3-80

Flwg to pit.

FTP 900 psi w/heavy wtr mist.

3-4-80

6500' RU to blw well dwn.

SICP 1000 psi; FTP 900 psi on 16/64" ck. Flw to pit 32/64" to 500 psi. Pmp 50 bbl, 10# brine to kill well. Release pkr; GIH w/5 std tbg &amp; wash 30' of sand to top of RBP; release BP; POH; Dress BP; GIH to 2500' w/BP &amp; set BP @ 2500'- POH. SDON. Cum Csts: \$222,760.

3-5-80

Prep to POOH w/BP.

SICP 1000 psi; RU to blw well dwn; pmp 15 bbls 10# brine dwn csg.

Change out tbg head- test new head to 5000 psi- had wrong head on; circ hole w/10# brine from 2500'- set on BP &amp; open by pass- had 2000 psi under BP; Blw well to pit- from 2000 psi to 500 psi; RU flwline from tbg &amp; csg to pit, set choke on tbg to 16/64", csg on 10/64" FTP &amp; FCP = 100 psi @ 5 PM Left well opn to pit over night. Cum Csts: \$227,062.

3-6-80

6500'; Flw csg to pit on 18/64 1250 psi.

FCP 50 psig, Pulled on BP- set. fill hole w/10# brine wtr; spud on BP opnd valve on BP- press below BP 1800 psi; Flw on 18/64 to pit; press @ 3 PM 1150 psig on 18/64. Cum Csts: \$229,042.

3-7-80

6500';

Flw 18/64" FTP 1300 psi; Rig completion rig; 18/64" FTP 1250; flw to pit 18/64" FCP 1250; flw to pit 32/64" FCP 500; pmp 10.0# brine wtr dwn csg spud dwn on BP, tore up rubbers on BP; Pmp 100 bbls 10# brine to kill well; TIH w/15 std 2-3/8" 4.70 N-80 could not come up hole w/BP, bounce on BP; POH w/BP; POH LD tbg; TIH w/notch collar and 1 jt Otis 'X' nipple total 161 jt 2-3/8" tbg landed @ 4906'; X nipple @ 4875'; ND BOP's, NU tree; left well opn to pit on 18/64" choke.

GPE-NBU #33Y

Natural Buttes Unit

Uintah County, Utah

AFE: 11143 WI: 0%

ATD: 6500' SD: 11-27-79

GPE, Oper.

LOCATION: NW/4, Section 18-T10S-R20E.

9-5/8" @ 197'; 4½" @ 6500';

TD: 6500'

PBSD: 6469'

2-21-80 Prep to drl retainer @ 5229'.

Start rig, TIH w/5 std tbg; sting into retainer; RU Dowell; Place 500 psi in ann; press up to 3500 psi on tbg 3400 psi- 5 min 3300 10 min; start TOOH w/tbg; LD DC- when brking out DC- 24" pipe wrench used for backup broke & hit driller above right knee; WO driller from town; PU bit scraper, 2 xo & TIH; install swivel prep to drl; Drlg- made 1'; SDFN. Cum Csts: \$147,987.

2-22-80 Prep to TIH to PBSD w/bit.

Start motors on rig & pmp. Drlg retainer TOC @ 5272' to 5280'- bit quit drlg- Circ csg @ 5280'; RD Swivel, LD 2 jts; POOH & LD bit; PU New bit & TIH w/csg scraper & TIH; RU Swivel; Drlg cmt & BP- fell out of cmt @ 5284' PP @ 5305'; Circ out gas @ 5311'; RD Swivel, Change out elev; SIGN. Cum Csts: \$151,246.

2-23-80 Flwg on 32/64 choke.

5454-5472 zone being tested. Prep to trip in hole; start in hole; tagged fill 6395'; TOH; out of hole, LD scraper & bit; PU Otis BP 2 jt 2-3/8 tail pipe & Otis pkr; TIH; Set RBP 5557' set pkr 5490' press tbg 5100 tst BP; Pulled 3 stds, set 5340 pkr; RU to swb; Start swbg (4) runs; Finished swbg; flwg to pit 32/64 mild blow. Cum Csts: \$155,197.

2-24-80 Flw on 32/64" choke (5454-5472').

Same; tbg hanger would not go into tbg head. Cum Csts: \$157,699.

2-25-80 Flw to pit on 32/64" choke.

Same.

2-26-80 Prep to breakdwn perfs- 5454'-5472'.

Flw to pit on 32/64". Heat wtr to 100°F for frac.

2-27-80 Prep to flw back.

Perfs to be stimulated are 5454-5472' (5 holes) BP @ 5557 pkr @ 5340'; RU Western- tst lines etc; spot 1 sx 20/40 sand to perfs; SD 45 min, let sand drop; fill ann w/10 bbls- 10# brine; press csg to 1000 psi. Start KCl breakdwn- ball out to 6000 psi w/43 bbls in- SI 45 min- let ball drop; flw back 7½ BW; Start fracing- 3000 gal gel pad; 3500 gal Gel w/1 ppg sd- 3500 gal gel w/2 ppg sd; 3500 gal gel w/3 ppg sd; 3500 gal gel w/4 ppg sd; flush to perfs w/20 bbls 10# brine; ISIP 1400 5" 1250; 10"- 1100; 15" 1000, SIFN - @ 1 PM; AIP = 6800 psi AIR- 14 BPM; Total 17000 gal gel; 34000# 20/40 sd. Cum Csts: Cum Csts: \$180,973.

2-28-80 Prep to frac perfs 5192-5208; 4 holes & (4941-4957) 5 holes.

17½ SITP 0- Opn to pit- very slight flw- died PU stripping rubber-unseat pkr @ 5340'- ND tree- prep to reverse circ; start reversing -tag sand @ 5492' (TP)- Tagged BP @ 5557'- release BP- reset BP @ 5248'- pull 1 jt- Spot 100# 20/40 sand w/20 bbls 10# brine- TP @ 5217'; Pull 5 stds- pkr @ 4853' TP @ 4915'- Spot 19 bbls- 5% KCl; Set pkr @ 4853'- press to ann to 3000 psi- bled off to 2400/10 min; SI tree valve- appeared to be surface equip. SIFN. Cum Csts: \$184,655.

2-29-80 Prep to flw back.

Start rig engine, RU western; Press tst equip to 3000 psi; Lost 200 psi/5 min- couldn't isolate- decide to frac; press csg to 1000 psi; begin fracing- BP @ 5248' Pkr @ 4853', tail pipe @ 4915'; perfs 4941-4957' (5 holes); 5192'-5208' (4 holes);

bbls pmpd	press	rate	event	bbl pmpd	press	rate	event
7	6800	13	gel pad	72			start 1 ppg sand
58	7000	11		105	6000	12	
71	7000	12		117	5400	14	
				130	5900	14	
				155	6700	16	start 2 ppg

GPE-NBU #33Y

Natural Buttes Unit

Uintah County, Utah

AFE: 11143 WI: 0%

LOCATION: NW/4, Section 18-T10S-R20E.

ATD: 6500' SD: 11-27-79

GPE, Oper.

9-5/8" @ 197'; 4 1/2" @ 6500';

TD: 6500'

PBSD: 6469'

2-14-80 Prep to drl cmt- after repairing swivel.

Start motors on rig & pmp- prep to circ; mill dn retainer & cmt-made 2 1/2'- try to reverse circ- plugging up- pmp press 500-1500 psi- 1-4000# on bit- losing some to form above 1000 psi- tot 30 BW. RO swivel- change out elevators; POOH w/2-3/8" tbg, collars & mill; take off stripping rubber- tbg wet- surged- mill had iron stuck in wtr courses; PU bit, CS, 2 xo's, 2-3/8" tbg & TIH- Install stripping rubber; RU swivel etc- swivel would not turn- SDFN. Cum Csts: \$121,831.

2-15-80 Prep to swab - check for wtr influx.

Start motors, work on swivel. Start drlg on ret, 1-4000# WOB, 300 psi. Out of cmt 5284'. Tagged CIBP @ 5305'. Circ csg clean. RD Swivel - change out elevator. POH, LD bit & CS. PU MHS Pkr & TIH, Tag BP @ 5305'. PU pup sub, set pkr @ 5300'. Test BP & pkr to 3000 psi - OK. Reset pkr @ 5239'. Press perfs to 3000 psi, bled off. Re-press to 300 psi, bled to 1500 psi in 3-4 mins. Again bled to 300 in 24 mins. SDFN. Cum csts \$126,267.

2-16-80 6500' Prep to swb perf 5276-5284 to check for wtr prod.

Start motors; RU swb tools. Tbg on slight vacuum. Swbd tbg dwn to pkr @ 5230' Rec tbg volume of 20.3 bbls and 4.6 bbls of formation wtr. Checked for wtr flw from perf. Swbd and rec 1.6 bbls; Swbd 1.2 Bbls; Total Rec 27.7 bbls (7.4 bbls formation wtr); Attempted to pmp dwn tbg w/rig pmp. WO Dowell; RU Dowell- loaded tbg and pmpd into perfs 1/8 BPM @ 3000 psi; Pmpd total of 1/4 bbls @ 3000 psi; RD Dowell; RU Swb and rec 18.6 bbls load; Lack 1.7 bbls. Well SI- SDFN. Cum Csts: \$129,861.

2-17-80 6500' PBSD 6469'; Well SI- tstg for wtr prod from 5276-5284'.

Start motors; RU swb; SITP 50 psi; Swbd to pkr @ 5230'; Rec 9.3 bbls on 1st swb run; Rec 0.78 bbls on 2nd pull. Total Rec 28.7 bbls (20.3 bbls load and 8.4 bbls formation wtr over 15 hr SI for 0.56 Bbls/hr) Checked for wtr flw from perf- swbd 0.78 bbls. Checked for wtr flw; Replaced swb rubbers. Checked for wtr flw; Swbd 1.55 bbls; Checked for wtr flw; Swbd 1.55 bbls; Checked for wtr flw; Swbd 0.78 bbls; Rec 4.66 bbls over 6 hrs for 0.78 bbl/hr. Well SI- SDFN- will be shut dwn for Sunday. Cum Csts: \$132,147.

2-18-80 Prep to swb & check wtr from 5272'-5284'.

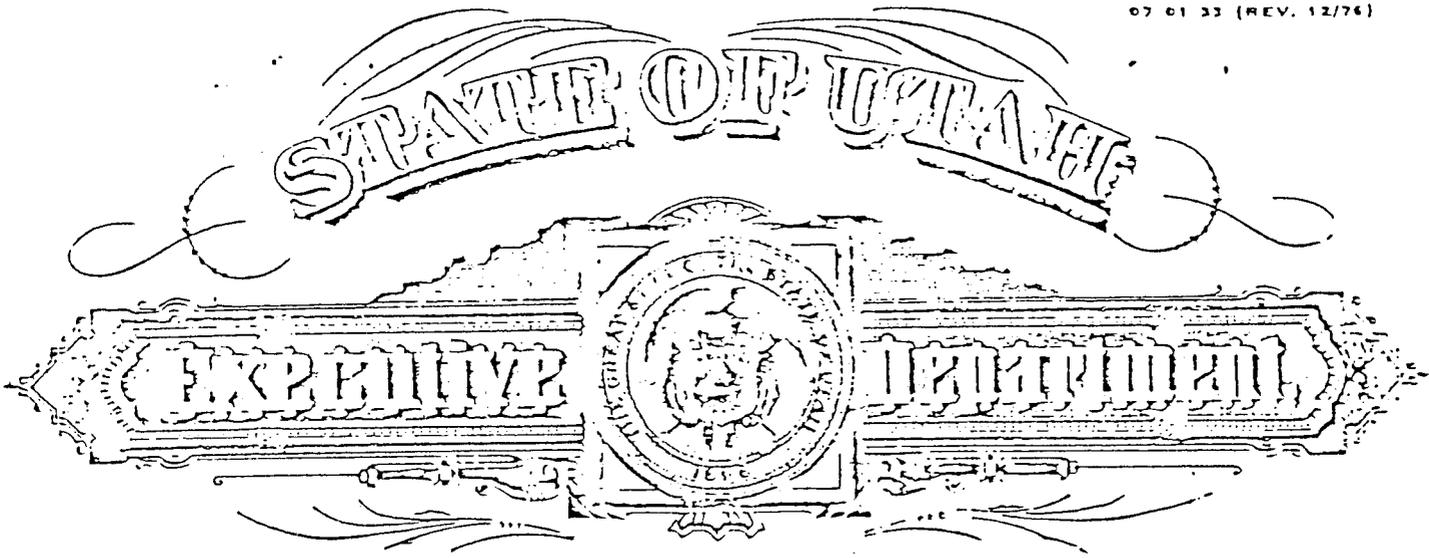
SD Sunday. 3 PM Sat to 6 AM Mon. Cum Csts: \$132,837.

2-19-80 Pmp in tst- Prep to squeeze.

Made 2 swb runs; Rec 15.88 BW 1st run in 38 hrs; Total 48.68 BF- 20.30 BL = 28.38 BFW; Swb 1 bbl/2 hrs; Swb 3.1 bbl/2 hrs; Swb 1.55 Bbl/2 hrs; Total 21.53 bbls/44 hrs; Leave opn overnight. Cum Csts: \$134,966.

2-20-80 6500' RU to squeeze f/5272 to 5284';

Start up PU & RU cmt trucks; Pmpd dwn tbg- 7 1/2 bbl to load tbg. 2800 psi @ 1/2 BPM & 3500 psi @ 1/2 BPM= 3 bbl total. POH w/2-3/8" tbg & LD pkr; WO wireline truck; RU WL to set retainer- mandrel would screw into seating tool; WO tools; Make up tools & GIH- set retainer @ 5288'- POH. Make up stinger & GIH & stab in w/86 stds & sgl. Hook up cmt truck, load annulus w/500 psi & pmp in @ 1/2 BPM @ 3500 psi- 1 bbl. Pull out of ret to spot cmt pmp 7 bbl cmt & 10 BW & sting into ret w/580 psi on ann @ 3250 psi & 1/2 BPM. 12 1/2 bbl total. 3400 psi @ 1/4 BPM @ 14 bbl 3400 psi & 1/8 bbl. Form broke w/@ 1 bbl into perfs (14 1/2 bbl @ 1/2 BPM & 3000 psi) 15 bbl- 2500 psi @ 1 BPM; 351-1250 psi- 5 min; 17 bbl- 1/2 BPM @ 2500 psi (SI 1500 psi/5 min), 18 1/2 bbl- 1/2 BPM- 3000 psi (SI -1750 psi/5 min) 19- 1/2 BPM- 3400 psi (SI-1850 psi/5 min). Cleared cmt 2 bbl over the perfs; reverse tbg; RD cmt trucks & POH w/5 stds to 4877' SDON 7:15 PM; Will try 25 sxs this morning @ 2500-2800 psi. Class "G" w/1/2% flac. Cum Csts: \$139,895.



Office of Lt. Governor/Secretary of State  
AMENDED CERTIFICATE OF AUTHORITY  
OF  
COASTAL OIL & GAS CORPORATION

I, DAVID S. MONSON, Lt. Governor/Secretary of State of the State of Utah, hereby certify that duplicate originals of an Application of COASTAL OIL & GAS CORPORATION formerly GAS PRODUCING ENTERPRISES, INC.

for an Amended Certificate of Authority

duly signed and verified pursuant to the provisions of the Utah Business Corporation Act, have been received in my office and are found to conform to law.

ACCORDINGLY, by virtue of the authority vested in me by law, I hereby issue this Amended Certificate of Authority to COASTAL OIL & GAS CORPORATION to transact business in this State

and attach hereto a duplicate original of the Application for such Amended Certificate.

File No. #49324

IN TESTIMONY WHEREOF, I have hereunto set my hand and affixed the Great Seal of the State of Utah at Salt Lake City, this 4th day of April A.D. 1978

*David S. Monson*  
LT. GOVERNOR/SECRETARY OF STATE

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: 735' FNL & 679' FWL  
AT TOP PROD. INTERVAL: SAME  
AT TOTAL DEPTH: SAME

5. LEASE  
U-02270-A

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

7. UNIT AGREEMENT NAME  
Natural Buttes Unit

8. FARM OR LEASE NAME  
Natural Buttes

9. WELL NO. Natural Buttes Unit #33Y  
(CIGE 27-18-10-21)

10. FIELD OR WILDCAT NAME  
Natural Buttes Field

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
Section 18-T10S-R21E

12. COUNTY OR PARISH Hintah 13. STATE Utah

14. API NO.  
43-047-30504

15. ELEVATIONS (SHOW DF, KDB, AND WD)  
5077' GR

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) NTL-2B Unlined Pit	<input type="checkbox"/>		<input type="checkbox"/>

*Approved 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 *NATURAL BUTTES*

Date Received *6-30-80*

Operator *CIGE*

Submitted By *KARL ODEN*

Well *CIGE NATURAL BUTTES # 29*

Worked By *JAMES WRIGHT*

Depth \_\_\_\_\_

Other Description \_\_\_\_\_

Formation *WASATCH*

### CHEMICAL DETERMINATIONS as parts per million

Density 1.005 @ 22°C

pH 7.7

Iron 3 ppm

Hydrogen Sulfide NONE

Sodium and Potassium 11413

Bicarbonate 1110

Calcium 600

Sulfate 1500

Magnesium 316

Phosphate \_\_\_\_\_

Chloride 16765

as Sodium Chloride 27578

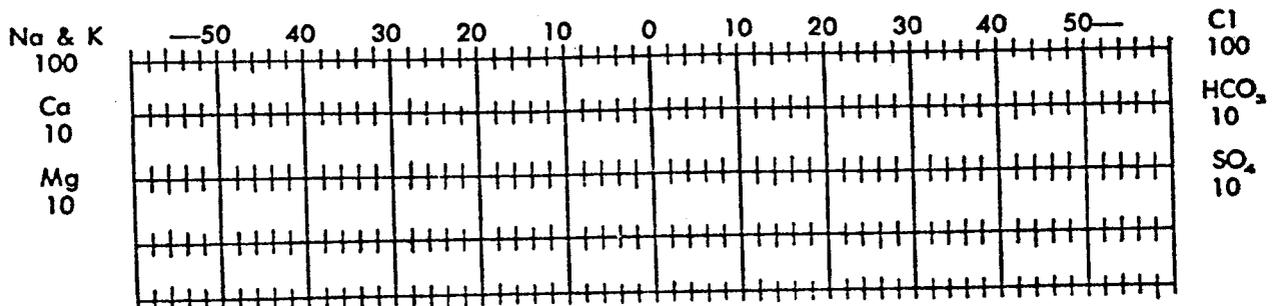
TOTAL ppm \_\_\_\_\_

Resistivity .24 ohm-meters @ 70°F

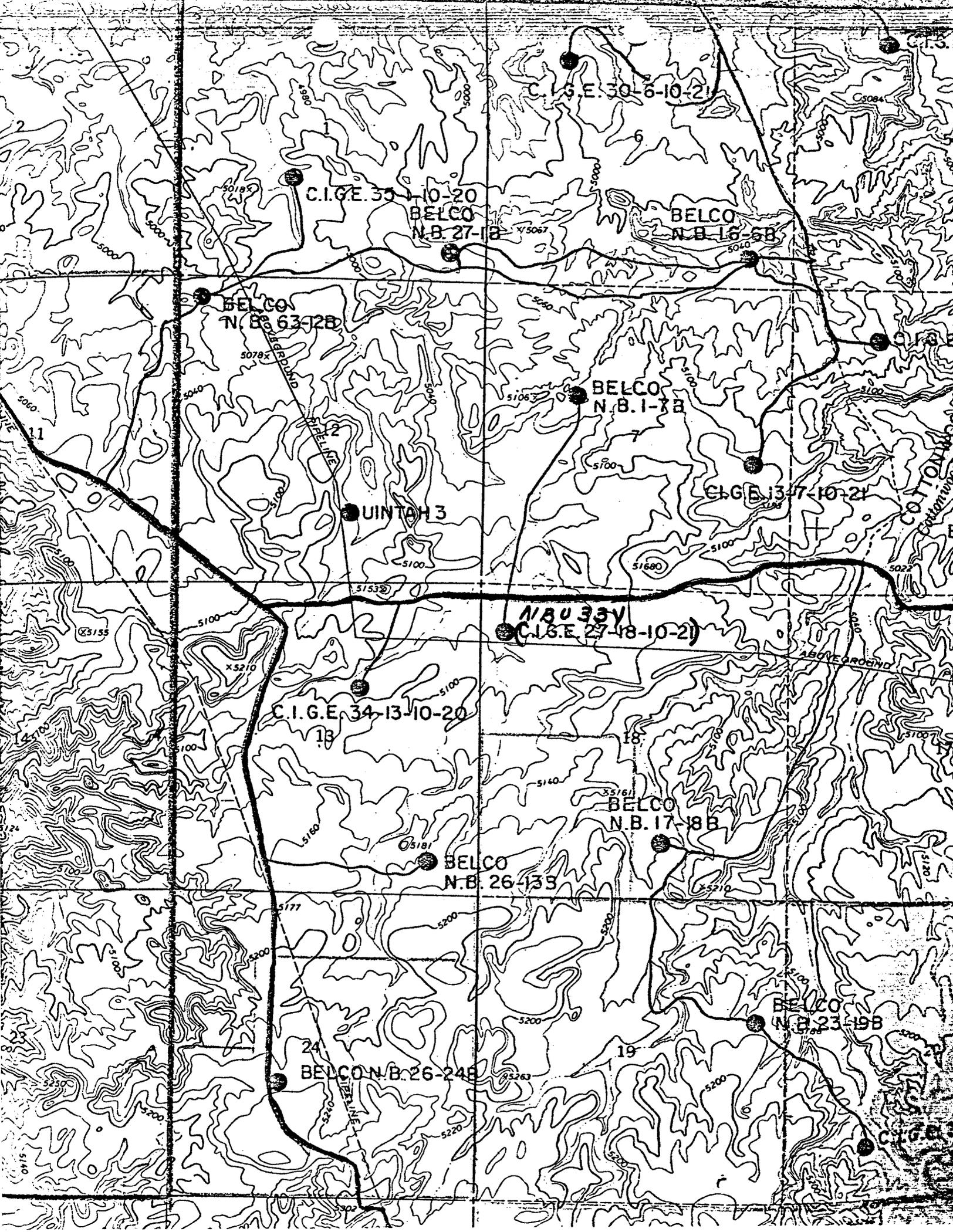
TOTAL HARDNESS - 2800 ppm as CaCO<sub>3</sub>

Remarks:

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



Per \_\_\_\_\_



WELL TEST DATA FORM

FIELD CODE <b>560-01-11</b>			FIELD NAME <b>NATURAL BUTTES, UT</b>						OPERATOR CODE <b>2915</b>		OPERATOR NAME <b>COASTAL OIL &amp; GAS CORPORATION</b>						WELL NAME <b>NATURAL BUTTES UNIT 33, Y</b>					
WELL CODE <b>39496</b>		LOCATION SECT. <b>18</b>		TOWNSHIP/BLK <b>10S</b>		RGE/SUR. <b>21E</b>		PANHANDLE/REDCAVE SEQ. NUMBER		K-FACTOR		FORMATION <b>WASATCH SA FLOW TEST</b>										

WELL ON (OPEN)												FLOW TEST																	
MO. DAY YR.			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	
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	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	X	X
1	31	84	02	07	84	00	875	2	067	03824	0	0.592	100	005640	0	300	066							005860	008880				

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.														
MO. DAY YR.			DATE			PRESSURE TAKEN		CASING PRESSURE (PSIG)		TUBING PRESSURE (PSIG)		23		28		34		35		38		39		44		45		48		50		53		54		56		
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	X	X	X	X	X	E	E		
02	07	84	02	10	84	01015	0	010360				526	1	9950			4968	0.592																				

METER STAMP: **39496 00875**

REMARKS: **12 Choke Blows 3 times week**

CIG: *J L Br...*  
 OPERATOR: *BO Sch...*  
 COMMISSION: \_\_\_\_\_

COLORADO INTERSTATE GAS COMPANY

WELL TEST DATA FORM

STATE COPY

WELL CODE <b>01-11</b>		FIELD NAME <b>NATURAL BUTTES, UT</b>				OPERATOR CODE <b>2915</b>		OPERATOR NAME <b>COASTAL OIL &amp; GAS CORPORATION</b>				WELL NAME <b>NATURAL BUTTES UNIT 33 Y</b>			
CODE <b>39496</b>	SECT. <b>18</b>	TWNSHIP/BLK <b>10S</b>	RGE/SUR. <b>21E</b>	SEQ. NUMBER	K-FACTOR	FORMATION <b>WASATCH SA FLOW TEST</b>									

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 TBG/CSG PRESSURE	FLOWING STRING																
MO.	DAY	YR.	MO.	DAY	YR.		27	28					32	33					38	39	42	43	45	46	51	52	55	56	58	59	61	62	67	68	73
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	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	X	X	X	X	X	X	X	X
<i>06 08 83 06 15 83 00875</i>										<i>2 067</i>		<i>0.22240 0.597</i>		<i>100 00610</i>		<i>0.260</i>		<i>1.16</i>		<i>0.015 0.00826</i>		<i>X</i>													

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: <i>J. L. Branson</i> OPERATOR: <i>Clayton L. Webb</i> COMMISSION:	
PRESSURE TAKEN			DATE			CASING PRESSURE (PSIG)		TUBING PRESSURE (PSIG)											
MO.	DAY	YR.	MO.	DAY	YR.														
11-12	13-14	15-16	17-18	19-20	21-22	23	28	29	34	35	38	39	44	45	48	50	53		54
X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	E	E
<i>06 15 83 06 17 83 00977 0</i>			<i>00963 0</i>							<i>520</i>		<i>1.9950</i>		<i>4908</i>					

REMARKS: *13 probe 174 blue well and on 13<sup>th</sup>*

**39496 00875**

COLORADO INTERSTATE GAS COMPANY

WELL TEST DATA FORM

STATE COPY

WELL CODE 01-11			FIELD NAME NATURAL BUTTES, UT					OPERATOR CODE 2915		OPERATOR NAME COASTAL OIL & GAS CORPORATION					WELL NAME GEE 33Y																						
WELL CODE 39496		SECT. 18		LOCATION TWP/RMP/BLK 10S 21E		PANHANDLE/REDCLAY SEG. NUMBER K-FACTOR		FORMATION WASATCH SA FLOW TEST																													
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 TBG/CSG PRESSURE		FLOWING STRONG TUBING		CASING										
MO.	DAY	YR.	MO.	DAY	YR.																																
11-12	13-14	15-16	17-18	19-20	21-22	23	27-28	32-33	38-39	42-43	48-46	51	52	56	58	59	61	62	67	68	73	74	75														
XX	XX	XX	XX	XX	XX	XX	XXX	XX	XXX	XXXXXX	X	XXXXX	XXX	XXXXXX	X	XX	XX	XXX	XXX	XXXXXX	XXXXXX	X	X	X													
07 29 82			05 03 82		00 8 75		2 067		0.98		0.0572		100		066870		02 70		066920		066980		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.																																
11-12	13-14	15-16	17-18	19-20	21-22	23	28	29	34	35	38-39	44	45	49	50	53	54	55																			
XX	XX	XX	XX	XX	XX	XX	XXXXXX	X	XXXXXX	X	X	XXX	XX	XXXXX	XXXXXX	X	XXX	E	E																		
01 22 82			06 25 82		01048.0		01048.0				525		1.3450		4860																						
REMARKS:			Est self Blower Well																																		
39496			00.875																																		

2711...  
 CG: ...  
 OPERATOR: ...  
 COMMISSION: ...  
 MEDICAL ...  
 WINDY ...

ME  
ST

COLORADO INTERSTATE GAS COMPANY

WELL TEST DATA FORM

STATE COPY

FIELD CODE REG-01-11			FIELD NAME NATURAL BUTTES, UT					OPERATOR CODE 211		OPERATOR NAME NAT. L. OIL & GAS CORPORATION					WELL NAME GRE 33Y														
WELL CODE 39496		SECT. 1	LOCATION TOWNSHIP/BLK 10S 21E		RGE/SUR. 21E		PANHANDLE/REDCAVE SEQ. NUMBER		K-FACTOR		FORMATION MAGATCH SA		FLOW TEST			1													
WELL ON (OPEN)			FLOW TEST																										
DATE (COMP.)			ORIFICE SIZE		METER 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	X	X
6	15	82	6	22	82	00	875					03874	0	0592		00690	0			0150	103			00690	00907	0	X		
WELL OFF (SHUT-IN)			SHUT-IN TEST													TO THE BEST OF MY KNOWLEDGE THE ABOVE DATA IS CORRECT.  CIG: <i>J. L. Brown</i> OPERATOR: <i>C. L. Well</i> 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	X	E	E									
6	22	82	6	25	82	01048	0	01048	0			72	1	953		434													
METER STAMP	39496					00875		REMARKS: <i>cut diff. Blow well about entry 10 days</i>																					

COLORADO INTERSTATE GAS COMPANY

WELL TEST DATA FORM

STATE COPY

FIELD CODE 560-01-11			FIELD NAME NATURAL BUTTES					OPERATOR CODE 2915		OPERATOR NAME COASTAL OIL & GAS CORPORATION					WELL NAME GPE 33Y																						
WELL CODE 39496		SECT. 18	LOCATION TOWNSHIP/BLK 105		RGE/SUR. 21E		PANHANDLE/REDCAVE SEQ. NUMBER 01250		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/CSG PRESSURE		STATIC TBG/CSG PRESSURE		FLOWING STRONG TUBING CASING												
MO.	DAY	YR.	MO.	DAY	YR.																																
11	12		17	18	19	20	21	22	23	27	28	32	33	38	39	42	43	48	49	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	X	X	X	X						
09 22 81			09 29 81		01 250		2 067		0.573		100		067240		01 30		090		00726		007170		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)		SLOPE		EFFECTIVE DIAMETER		EFFECTIVE LENGTH		GRAVITY (RAW GAS)		EST CSG PRESS		EST TBG PRESS																	
MO.	DAY	YR.	MO.	DAY	YR.																																
11	12		17	18	19	20	21	22	23	28	29	34	35	38	39	44	45	48	50	53	54	55															
X	X	X	X	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			01110		01100		526		1 9950		4968																							
METER STAMP			39496					01250					REMARKS:																								

TO THE BEST OF MY KNOWLEDGE THE ABOVE DATA IS CORRECT.

CIG: *J. B. Brown*

OPERATOR: \_\_\_\_\_

COMMISSION: \_\_\_\_\_

COLORADO INTERSTATE GAS COMPANY

WELL TEST DATA FORM

STATE COPY

FIELD CODE		FIELD NAME <i>Natural Buttes</i>				OPERATOR CODE		OPERATOR NAME <i>GPE</i>				WELL NAME <i>33Y 18-105-21E</i>			
WELL CODE		TWINN/FACE		ROE/SUR.		PANHANDLE/NE/CVE		FORMATION <i>Wasatch Hoated</i>							
18		105		21E											

WELL ON (OPEN)										FLOW TEST																							
MO. DAY YR.			DATE (COMP.)			ORIFICE SIZE		METER RUN SIZE		COEFFICIENT		GRAVITY (SGP.)		METER DIFF. RANGE		METER PRESSURE		DIFFERENTIAL ROOTS		METER TEMP.		WELL HEAD TEMP.		FLOWING TBG/CSG PRESSURE		STATIC TBG/CSG PRESSURE		FLOWING STRING TUBING CASING					
11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31-32	33-34	35-36	37-38	39-40	41-42	43-44	45-46	47-48	49-50	51-52	53-54	55-56	57-58	59-60	61-62	63-64	65-66	67-68	69-70	71-72	73-74	75-76	
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	X	X	X	
18		23		50		08		26		50		01746		01643																			

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.									
MO. DAY YR.			PRESSURE TAKEN			DATE		CASING PRESSURE (PSIG)		TUBING PRESSURE (PSIG)																															
11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31-32	33-34	35-36	37-38	39-40	41-42	43-44	45-46	47-48	49-50	51-52	53-54	55-56	57-58	59-60	61-62	63-64	65-66	67-68	69-70	71-72	73-74	75-76									
X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	E	E																
18		23		50		08		26		50		01746		01643																											

REMARKS: *X*

39496 01250

TO THE BEST OF MY KNOWLEDGE THE ABOVE DATA IS CORRECT.

CIG *[Signature]*

OPERATOR

COMMISSION



STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells.  
Use APPLICATION FOR PERMIT TO DRILL OR DEEPEN form for such proposals.

	5. Lease Designation and Serial Number: U-02270-A
	6. If Indian, Allottee or Tribe Name: N/A
	7. Unit Agreement Name: Natural Buttes Unit
1. Type of Well: OIL <input checked="" type="checkbox"/> GAS <input type="checkbox"/> OTHER:	8. Well Name and Number: NBU 33Y
2. Name of Operator: Coastal Oil & Gas Corporation	9. API Well Number: 43-047-30504
3. Address and Telephone Number: P. O. Box 749, Denver, CO 80201-0749 (303) 573-4476	10. Field and Pool, or Wildcat: Natural Buttes
4. Location of Well Footages: 735' FNL & 679' FWL QQ, Sec., T., R., M.: NW/NW Sec. 18, T10S-R21E	County: Uintah State: Utah

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

NOTICE OF INTENT (Submit in Duplicate)	SUBSEQUENT REPORT (Submit Original Form Only)
<input type="checkbox"/> Abandonment <input type="checkbox"/> Casing Repair <input type="checkbox"/> Change of Plans <input type="checkbox"/> Conversion to Injection <input type="checkbox"/> Fracture Treat <input type="checkbox"/> Multiple Completion <input type="checkbox"/> Other _____	<input type="checkbox"/> Abandonment * <input type="checkbox"/> Casing Repair <input type="checkbox"/> Change of Plans <input type="checkbox"/> Conversion to Injection <input type="checkbox"/> Fracture Treat <input checked="" type="checkbox"/> Other <u>Annual Status Report</u>
<input type="checkbox"/> New Construction <input type="checkbox"/> Pull or Alter Casing <input type="checkbox"/> Recompletion <input type="checkbox"/> Shoot or Acidize <input type="checkbox"/> Vent or Flare <input type="checkbox"/> Water Shut-Off	<input type="checkbox"/> New Construction <input type="checkbox"/> Pull or Alter Casing <input type="checkbox"/> Shoot or Acidize <input type="checkbox"/> Vent or Flare <input type="checkbox"/> Water Shut-Off
Approximate date work will start _____	Date of work completion _____
	Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION AND LOG form. * Must be accompanied by a cement verification report.

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

The above referenced well is shut in as it is uneconomical to produce. A water shut-off procedure may be proposed for this well in the near future.

**RECEIVED**

FEB 16 1993

DIVISION OF  
OIL, GAS & MINING

13. Name & Signature: Eileen Danni Dey Title: Regulatory Analyst Date: 2/12/93

(This space for State use only)



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires July 31, 1996

**SUNDRY NOTICES AND REPORTS ON WELLS**

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

5. Lease Serial No.

U-02270-A

6. If Indian, Allottee or Tribe Name

N/A

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

N/A

8. Well Name and No.

NBU #33Y

9. API Well No.

43-047-30504

10. Field and Pool, or Exploratory Area

Ourray

11. County or Parish, State

Uintah Utah

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

1. Type of Well

Oil Well  Gas Well  Other

2. Name of Operator

Coastal Oil & Gas Corporation

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)

Sec. 18, T10S, R21E

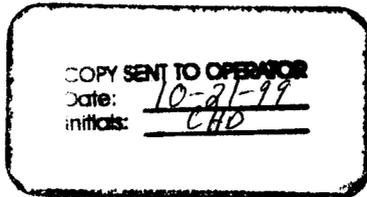
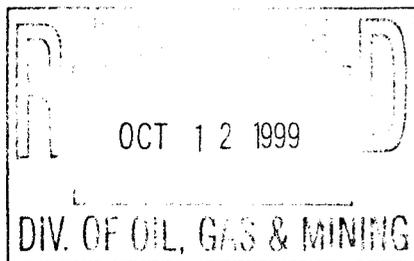
12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

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 checked="" 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 Operation (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 final site is ready for final inspection.)

Coastal Oil & Gas Corporation requests authorization to do a P&A on the above referenced well.

Please refer to the attached P&A Procedure.



Approved by the  
Utah Division of  
Oil, Gas and Mining

Date: 10-21-99  
By: D. Jones

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

Name (Printed/Typed)

Sheila Upchego

Title

Environmental Secretary

Date 10/7/99

**THIS SPACE FOR FEDERAL OR STATE OFFICE 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, 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.

(Instructions on reverse)

**NBU # 33Y – PLUG & ABANDON PROCEDURE**

Section 18 – T10S – R21E

Uintah County, UT

September 29, 1999

ELEVATION: 5077' GL 5090' KB (13')  
TOTAL DEPTH: 6500' PBTD: 6469'  
CASING: 9 5/8", 36#, K-55 @ 210' Cemented w/ 120 sx.  
4 1/2", 11.6#, N-80 LT&C @ 6500' Cemented w/ 2125 sx.  
TOC @ 5180'. (CBL on 1-22-80).

TUBING: 2 3/8" 4.7# J-55 @ 4875'

PERFORATIONS: Wasatch/MV: (1 shot/ft @ each depth – 20 holes)  
4941'; 4945'; 4949'; 4953'; 4957'; 5192'; 5196'; 5204'; 5208'; 5276';  
5280', 5284', 5448', 5454', 5458', 5468', 5472', 5937', 5941', 5945'

**TUBULAR PROPERTIES:**

	BURST (psi)	COLLAPSE (psi)	DRIFT DIA. (in.)	CAPACITIES	
				(bbl/ft)	(gal/ft)
2 3/8" 4.6# J-55 tbg	7,700	8,100	1.901"	0.00387	0.1624
4 1/2" 11.6# N-80 csg	7,290	6,350	3.875"	0.0155	0.6528
2 3/8" by 4 1/2" Annulus				0.0101	0.4227
4 1/2" by 9 5/8" Annulus				0.05764	2.4208

**OBJECTIVE:**  
Plug and Abandon

Note: All water used to displace cement and placed between plugs should contain corrosion inhibitor and should be 8.8 to 9.2 ppg. Also, all squeezes must be a minimum of 100' and 25 sacks.

1. MIRU workover rig. Nipple down wellhead and Install BOPE. Kill well with water if necessary. POOH laying down tubing. Pick up cement retainer and RIH picking up 2 3/8", J-55, EUE tubing (workstring) to ± 4921'. Break circulation through retainer before setting. Set cement retainer @ ± 4921'.
2. MIRU cementers. Mix and pump 137 sacks of Class G cement containing 1/4 lb/sack of cellophane flakes. Displace 132 sacks of cement below retainer using 18.02 bbls of water or until pressure reaches 500 psi. Sting out of retainer and place remaining cement (5 sacks) on top of retainer by displacing with an additional 1 bbl of water.
3. Pull up hole 200' laying down tubing. Open production casing / surface casing annulus. Circulate (fill) hole with water and pressure test production casing to 500 psi. If circulation comes to surface outside of production casing or production casing does not hold pressure, then fill production casing to surface with cement and go to step # 6.

4. If casing held pressure, pull tubing up hole to 3130'. Mix and pump 25 sacks of neat class "G" cement down tubing to spot a balance plug. Pump at low rates (1 BPM). Displace cement for balance plug by pumping 10.69 bbls of water. Slowly pull up hole to 260' laying down work string.
5. Mix and pump 25 sacks of cement down tubing while laying down last 260' of tubing to set surface plug.
6. Remove wellhead and RIH with 1" pipe between surface (9 5/8") casing and production casing annulus to top of cement or depth of surface casing (210'). Fill annulus to surface with cement (approximately 73 sx including 10% excess).
7. RD and cut off wellhead. Install dry hole marker. Reclaim location.

TWK

Approvals:

Prod. Manager \_\_\_\_\_

CEMENT DETAILS:

**PERFORATIONS:**

Cement: Class "G" w/ .25 lb/sk cellophane flakes  
Weight: 15.79 ppg  
Water: 4.97 gal/sk  
Yield: 1.15 ft<sup>3</sup>/sk

**MID - BALANCE PLUG:**

Cement: Class "G" Neat  
Weight: 15.8 ppg  
Water: 4.97 gal/sk  
Yield: 1.14 ft<sup>3</sup>/sk

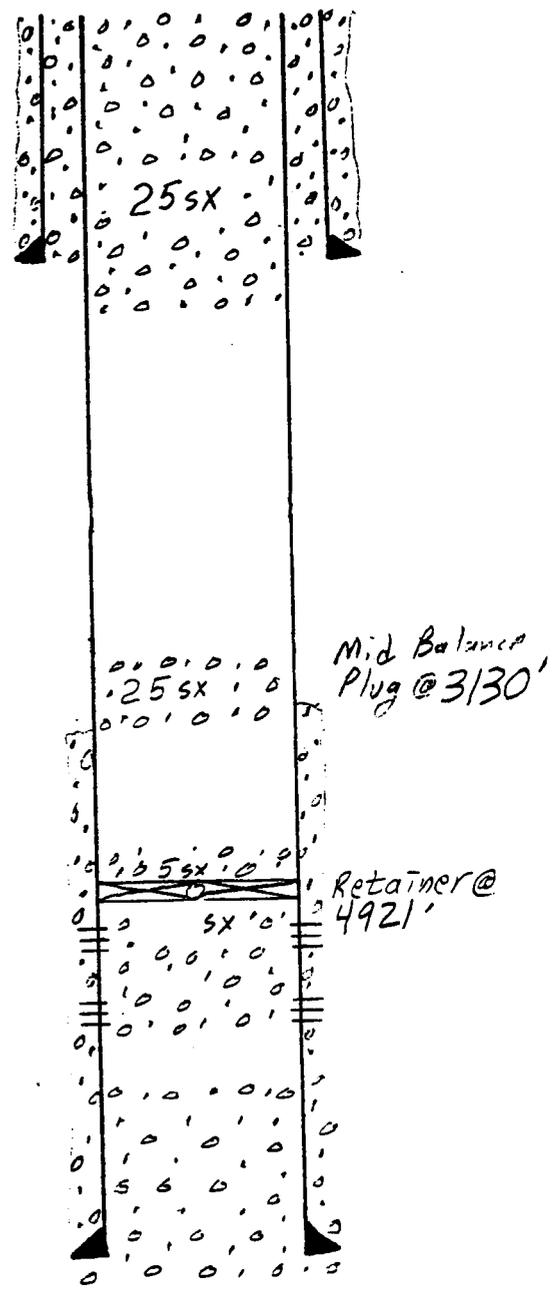
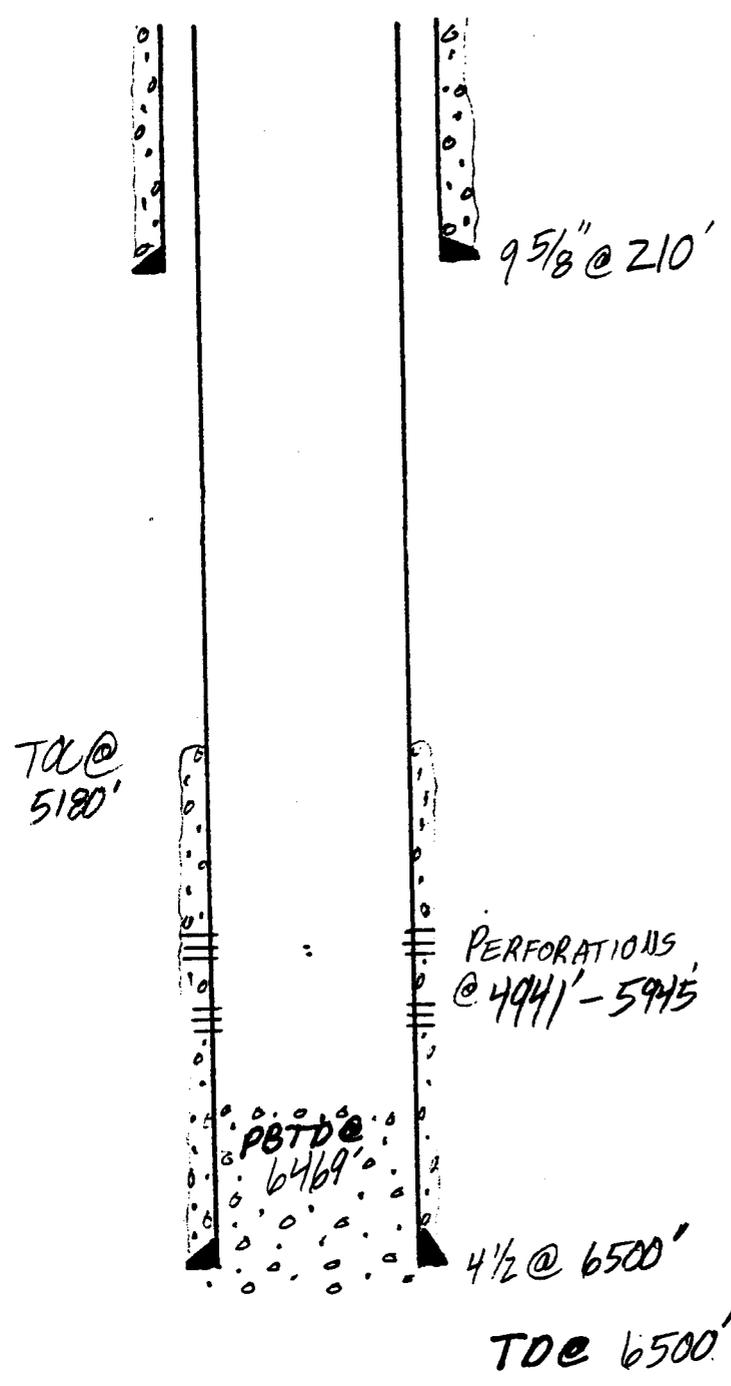
**SURFACE CEMENT:**

Cement: Class "G" + 2% Calcium Chloride  
Weight: 15.8 ppg  
Water: 4.98 gal/sk  
Yield: 1.16 ft<sup>3</sup>/sk

NBU #33Y

BEFORE

AFTER





February 25, 2000

Ms. Lisha Cordova  
State of Utah  
Division of Oil & Gas, and Mining  
1594 West North temple, Suite 1210  
Salt Lake City, UT 84114-5801

RECEIVED  
FEB 28 2000  
DIVISION OF  
OIL, GAS AND MINING

Dear Lisha,

Enclosed are the original and two copies of the Completion or Recompletion Reports for the NBU #321, State #1-19A4, **NBU #33Y**, NBU #27-A, Ute Tribal #2-3A3 and the Wimmer #2-27B4.

If you have questions or need additional information, please do not hesitate to call me, (435)781-7022.

Sincerely,

Katy Dow  
Environmental Jr. Analyst

**Coastal Oil & Gas Corporation**

A SUBSIDIARY OF THE COASTAL CORPORATION  
1368 S 1200 E • P.O. BOX 1148 • VERNAL UT 84078 • 435/789-4433 • FAX 435/789-4436

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

SUBMIT IN DUPLICATE

(See other instructions on reverse side)

FORM APPROVED  
OMB NO. 1004-0137  
Expires: February 28, 1995

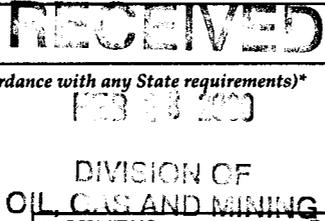
**WELL COMPLETION OR RECOMPLETION REPORT AND LOG\***

1a. TYPE OF WELL: OIL WELL  GAS WELL  DRY  Other Plugged & Abandoned  
 b. TYPE OF COMPLETION: NEW WELL  WORK OVER  DEEP-EN  PLUG BACK  DIFF. RESVR.  Other \_\_\_\_\_

2. NAME OF OPERATOR  
**Coastal Oil & Gas Corporation**

3. ADDRESS AND TELEPHONE NO.  
**P.O. Box 1148, Vernal UT 84078 (435)-781-7023**

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)\*  
 At surface **NWNW**  
 At top prod. interval reported below **735' FNL & 679' FWL**  
 At total depth \_\_\_\_\_



14. PERMIT NO. **43-047-30504** DATE ISSUED \_\_\_\_\_

5. LEASE DESIGNATION AND SERIAL NO.  
**U-02270-A**

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

7. UNIT AGREEMENT NAME  
**Natural Buttes Field**

8. FARM OR LEASE NAME, WELL NO.  
**NBU #33Y**

9. API WELL NO.  
**43-047-30504**

10. FIELD AND POOL, OR WILDCAT  
**Ouray**

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
**Sec. 18, T10S, R21E**

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

15. DATE SPUDDED **11/27/79** 16. DATE T.D. REACHED **12/7/79** 17. DATE COMPL. (Ready to prod.) **2/18/00 P&A** 18. ELEVATIONS (DF, RKB, RT, CR, ETC.)\* **5077' Ungraded GL** 19. ELEV. CASINGHEAD \_\_\_\_\_

20. TOTAL DEPTH, MD & TVD **6500'** 21. PLUG, BACK T.D., MD & TVD **6469'** 22. IF MULTIPLE COMPL., HOW MANY\* \_\_\_\_\_ 23. INTERVALS DRILLED BY \_\_\_\_\_ ROTARY TOOLS **X** CABLE TOOLS \_\_\_\_\_

24. PRODUCING INTERVAL(S), OF THIS COMPLETION - TOP, BOTTOM, NAME (MD AND TVD)\*  
**N/A** 25. WAS DIRECTIONAL SURVEY MADE \_\_\_\_\_

26. TYPE ELECTRIC AND OTHER LOGS RUN  
**N/A** 27. WAS WELL CORED \_\_\_\_\_

**CASING RECORD (Report all strings set in well)**

CASING SIZE/GRADE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	TOP OF CEMENT, CEMENTING RECORD	AMOUNT PULLED
9 5/8"	36#	210'	12 1/4"	120 sx Class G	
4 1/2"	11.6#	6500'	7 7/8"	750 sx 50/50 POZ Tailed by 1375 sx 50/50 POZ	

29. LINER RECORD				30. TUBING RECORD			
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2 3/8"	4906'	

31. PERFORMANCE RECORD (Interval, size and number)	32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.	
	DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
N/A	N/A	

33.\* **PRODUCTION**  
 DATE FIRST PRODUCTION **N/A** PRODUCTION METHOD **Flowing, gas lift, pumping - size and type of pump** WELL STATUS (Producing or shut-in) **P&A**  
**Plugged and Abandoned**

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL - BBL.	GAS - MCF.	WATER - BBL.	GAS - OIL RATIO
-	-	-	-	-	-	-	-
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL - BBL.	GAS - MCF.	WATER - BBL.	OIL GRAVITY - API (CORR.)	
-	-	-	-	-	-	-	

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)  
**Plugged & Abandoned on 2/18/00, (Refer to Item #37)** TEST WITNESSED BY **Bill Owens BLM**

35. LIST OF ATTACHMENTS  
**See Attached DHD**

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records  
 SIGNED Sheila Upchego TITLE Environmental Jr. Analyst DATE 2/21/00

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

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 to open, flowing and shut-in pressures, and recoveries):

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	TOP	
					MEAS. DEPTH	TRUE VERT. DEPTH
			<p>Item #37</p> <p>Plug #1: 137 sx Class G Cmt; Cmt Retainer @ 4914', TOC @ 3810'.</p> <p>Plug #2: 225 sx Class G Cmt; Cmt BTM #3130, TOC @ 2809'.</p> <p>Plug #3: 255 sx Class G Cmt; Cmt BTM @ 1650', TOC @ 1530'.</p> <p>Plug #4: 17 sx Class G Cmt; Cmt BTM 160', Top of Surface w/4sx Class G</p> <p>Plugged &amp; Abandoned on 2/18/00 @ 6:30 pm.</p>			

38. GEOLOGIC MARKERS

THE COASTAL CORPORATION  
PRODUCTION REPORT

Plug and Abandoned

NBU #33Y

NATURAL BUTTES FIELD  
Sec. 18, T10S, R21E  
Lease #U-02270-A  
UINTAH COUNTY, UTAH

P & A

- 02/16/00 CUT BOLT OFF WELL HEAD. LOAD OUT EQUIP & ROAD RIG F/ NBU 305 TO NBU 33Y. RU, BLOW DOWN WELL. COULD NOT GET BOLT OUT OF WELL HEAD CALL F/ FWS. SDFN.
- 02/17/00 POOH & RIH SET CMT RET. BLOW WELL DOWN & KILL W/ 60 BBL WTR. CUT BOLTS OPF WELL HEAD. POOH & LD TBG PU 3 7/8" MILL & SCRAPE. RIH TO 4925'. POOH, EOT @ 3700'. SDFN.
- 02/18/00 P & A. POOH PU 4.5 CMT RET RIH PUMP 10 BBL WTR THRU RET SET CMT RET @ 4914' RIG UP DOWELL GET INJ RATE 1.5 BPM @ 2000# PSI MIX & PUMP 137 SX CLASS (G) 15.8 CMT + 1/4# SX CELLOPHANE DISP W/ 2 BBL WTR FORM LOCK UP W/ 67 SX BELOW RET 70 SX ON TOP OF RET CMT @ 3810' POOH TO 3810' FILL HOLE W/ 60 BBL 9.2 BRINE WTR TEST TO 500# HELD F/ 15 MIN BIEED OFF POOH TO 3130' MIX & PUMP 25 SX CLASS (G) 15.8 CMT TOP OF CMT @ 2809' POOH TO 1850' MIX & PUMP 25 SX CLASS (G) 15.8 CMT TOM OF CMT @ 1530'. POOH TO 257' MIX & PUMP 21SX CLASS (G) 15.8 CMT TO SURF, DIG OUT WELL HEAD & CUT OFF, PU 1" PIPE, RIH BETWEEN SURF & PROD CSG TAG CMT @ 40', MIX & PUMP 17 SX CLASS (G) 15.8 CMT TO SURF RIG DOWELL RIG DOWN GWS. SDFN. BILL OWENS W/ BLM ON LOC.

FINAL REPORT.

---

DATE: 02/18/00

WELL: NBU 33 Y

COUNTY: UINTAH

SEC: 18

FOREMAN: JD FOREMAN

FIELD: NBU

STATE: UTAH

TWS: 10S  
RGE: R21E

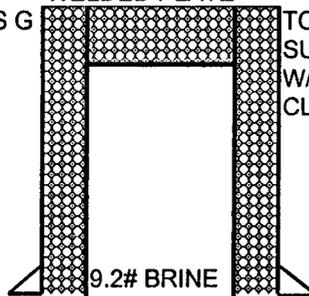
KB

RIG No.

TOP SURF WELDED PLATE  
CMNT PLUG #4 17 SX CLASS G TOP OF SURF  
BTTM 160' W/ 4 SX CLASS G

**CASING RECORD**

SIZE	WT	GRADE	THD	FROM	TO
9 5/8"	36#	K-55		0	210'
4 1/2"	11.6#	N-80		0	6500'



**TUBING RECORD**

SIZE	WT	GRADE	THD	FROM	TO
				0	

TOP 1530'  
CMNT PLUG #3 25 SX CLASS G

JTS	PSN	TAC	MUD ANCHOR
			Size _____ Length _____

BTTM 1650'

**SUCKER ROD RECORD**

NO	SIZE	GRADE	CPLG

ROD ROTATOR Yes \_\_\_ No \_\_\_

GAS ACHOR Size \_\_\_\_\_ Length \_\_\_\_\_

ROD GUIDE PLACEMENT (DESCRIBE):

TOP 2809'  
CMNT PLUG #2 25 SX CLASS G

**PUMP DATA:**

MANUFER	SIZE	DESCR
SPM		SL _____

BTTM 3130'

**COMMENTS/PERFORATIONS:**

CMNT TOP @ 3810'

WASATCH / MESAVERDE PERFS  
4941'-5945' 20 HOLES

CMNT RET. @ 4914'

Orig. PBSD 6469'

4-1/2" Csg @ 6500'

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 to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.*

5. Lease Serial No.  
**U-02270-A**

6. If Indian, Allottee or Tribe Name  
**N/A**

7. If Unit or CA/Agreement, Name and/or No.  
**Natural Buttes Field**

8. Well Name and No.  
**NBU #33Y**

9. API Well No.  
**43-047-30504**

10. Field and Pool, or Exploratory Area  
**Ouray**

11. County or Parish, State  
**Uintah County Utah**

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

1. Type of Well  
 Oil Well  Gas Well  Other

2. Name of Operator  
**Coastal Oil & Gas Corporation**

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)  
**NWNW Sec.18, T10S, R21E 735'FNL & 679'FWL**

**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 type="checkbox"/> Water Shut-Off
<input checked="" 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 <u>P&amp;A</u>
	<input type="checkbox"/> Change Plans	<input checked="" 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 Operation (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 final site is ready for final inspection.)

Plug #1: 137 sx Class G Cmt; Cmt Retainer @4914', TOC @ 3810'.  
 Plug #2: 225 sx Class G Cmt; Cmt BTM 3130', TOC @3810'.  
 Plug #3: 255 sx Class G Cmt; Cmt BTM 1650', TOC @ 2809'.  
 Plug #4: 17 sx Class G Cmt; Cmt BTM 160', Top of Surface w/4sx Class G.  
 Witnessed by: Bill Owens W/ Bureau of Land Management on Location.  
 Plugged & Abandoned Well on 2/18/00 6:30 pm.

See attached DHD.

**RECEIVED**

**FEB 28 2000**

**DIVISION OF  
OIL, GAS AND MINING**

14. I hereby certify that the foregoing is true and correct  
 Name (Printed/Typed) **Sheila Upchego**  
 Title **Environmental Jr. Analyst**  
 Date **2/21/00**

*Sheila Upchego*

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved by \_\_\_\_\_ Title \_\_\_\_\_ Date \_\_\_\_\_  
 Office \_\_\_\_\_

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.

THE COASTAL CORPORATIC  
PRODUCTION REPORT

Plug and Abandoned

NBU #33Y

NATURAL BUTTES FIELD  
Sec. 18, T10S, R21E  
Lease #U-02270-A  
UINTAH COUNTY, UTAH

P & A

- 02/16/00 CUT BOLT OFF WELL HEAD. LOAD OUT EQUIP & ROAD RIG F/ NBU 305 TO NBU 33Y. RU, BLOW DOWN WELL. COULD NOT GET BOLT OUT OF WELL HEAD CALL F/ FWS. SDFN.
- 02/17/00 POOH & RIH SET CMT RET. BLOW WELL DOWN & KILL W/ 60 BBL WTR. CUT BOLTS OPF WELL HEAD. POOH & LD TBG PU 3 7/8" MILL & SCRAPE. RIH TO 4925'. POOH, EOT @ 3700'. SDFN.
- 02/18/00 P & A. POOH PU 4.5 CMT RET RIH PUMP 10 BBL WTR THRU RET SET CMT RET @ 4914' RIG UP DOWELL GET INJ RATE 1.5 BPM @ 2000# PSI MIX & PUMP 137 SX CLASS (G) 15.8 CMT + 1/4# SX CELLOPHANE DISP W/ 2 BBL WTR FORM LOCK UP W/ 67 SX BELOW RET 70 SX ON TOP OF RET CMT @ 3810' POOH TO 3810' FILL HOLE W/ 60 BBL 9.2 BRINE WTR TEST TO 500# HELD F/ 15 MIN BIEED OFF POOH TO 3130' MIX & PUMP 25 SX CLASS (G) 15.8 CMT TOP OF CMT @ 2809' POOH TO 1850' MIX & PUMP 25 SX CLASS (G) 15.8 CMT TOM OF CMT @ 1530'. POOH TO 257' MIX & PUMP 21SX CLASS (G) 15.8 CMT TO SURF, DIG OUT WELL HEAD & CUT OFF, PU 1" PIPE, RIH BETWEEN SURF & PROD CSG TAG CMT @ 40', MIX & PUMP 17 SX CLASS (G) 15.8 CMT TO SURF RIG DOWELL RIG DOWN GWS. SDFN. BILL OWENS W/ BLM ON LOC.

FINAL REPORT.

DATE: 02/18/00

WELL: NBU 33 Y

COUNTY: UINTAH

SEC: 1

FOREMAN: JD FOREMAN

FIELD: NBU

STATE: UTAH

TWS: R

RGE: R

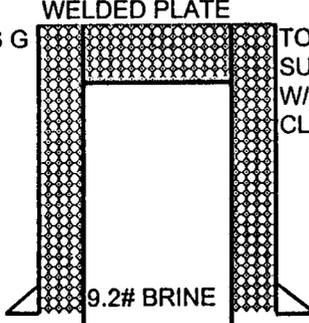
KB \_\_\_\_\_

RIG No. \_\_\_\_\_

TOP	SURF	WELDED PLATE	TOP OF
CMNT PLUG #4	17 SX CLASS G		SURF
BTTM	160'		W/ 4 SX
			CLASS G

**CASING RECORD**

SIZE	WT	GRADE	THD	FROM	TO
9 5/8"	36#	K-55		0	3
4 1/2"	11.6#	N-80		0	6



TOP	1530'
CMNT PLUG #3	25 SX CLASS G

**TUBING RECORD**

SIZE	WT	GRADE	THD	FROM	TO
				0	

BTTM	1650'
------	-------

JTS	PSN	TAC	MUD ANCHOR
-----	-----	-----	------------

Size	_____
Length	_____

**SUCKER ROD RECORD**

NO	SIZE	GRADE	CPLG

ROD ROTATOR Yes \_\_\_ No \_\_\_

GAS ACHOR Size \_\_\_\_\_ Length \_\_\_\_\_

ROD GUIDE PLACEMENT (DESCRIBE):

\_\_\_\_\_

\_\_\_\_\_

TOP	2809'
CMNT PLUG #2	25 SX CLASS G

**PUMP DATA:**

MANUFER	SIZE	DESCR
SPM		SL

BTTM	3130'
------	-------

**COMMENTS/PERFORATIONS:**

\_\_\_\_\_

\_\_\_\_\_

WASATCH / MESAVERDE PERFS

4941'-5945' 20 HOLES

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

CMNT TOP @	3810'	→
------------	-------	---

CMNT RET. @	4914'	→
-------------	-------	---

Orig. PBTD	6469'	→
------------	-------	---

4-1/2" Csg @	6500'	→
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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.

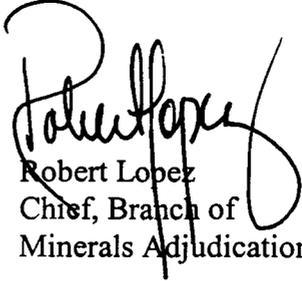
For our purposes, the name change is recognized effective December 31, 2001.

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.

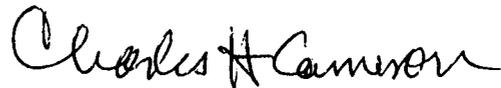
We have no objection.

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  
chron





IN REPLY REFER TO:  
Real Estate Services

## United States Department of the Interior

BUREAU OF INDIAN AFFAIRS

Washington, D.C. 20240

FEB 10 2003

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

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FEB 28 2003

DIV. OF OIL, GAS & MINING

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

FORM 9

**SUNDRY NOTICES AND REPORTS ON WELLS**

5. LEASE DESIGNATION AND SERIAL NUMBER: \_\_\_\_\_

6. IF INDIAN, ALLOTTEE OR TRIBE NAME: \_\_\_\_\_

7. UNIT or CA AGREEMENT NAME: \_\_\_\_\_

8. WELL NAME and NUMBER:  
**Exhibit "A"**

9. API NUMBER: \_\_\_\_\_

10. FIELD AND POOL, OR WILDCAT: \_\_\_\_\_

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     GAS WELL     OTHER \_\_\_\_\_

2. NAME OF OPERATOR:  
**El Paso Production Oil & Gas Company**

3. ADDRESS OF OPERATOR:  
**9 Greenway Plaza**    CITY **Houston**    STATE **TX**    ZIP **77064-0995**    PHONE NUMBER: **(832) 676-5933**

4. LOCATION OF WELL

FOOTAGES AT SURFACE: \_\_\_\_\_    COUNTY: \_\_\_\_\_

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: \_\_\_\_\_    STATE: **UTAH**

**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"/> 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"/> SUBSEQUENT REPORT (Submit Original Form Only)  Date of work completion: _____	<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) **David R. Dix**    TITLE **Agent and Attorney-in-Fact**

SIGNATURE     DATE **12/17/02**

(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

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

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

1. Type of Well  
 Oil Well  Gas Well  Other

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

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

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

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

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

10. Field and Pool, or Exploratory Area

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

11. County or Parish, State

**SEE ATTACHED EXHIBIT "A"**

**UINTAH COUNTY, UT**

**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 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 checked="" 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

**SUCCESSOR OF OPERATOR**

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 recomple horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and so. 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**

Title  
**OPERATIONS**

Signature

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**

**ROUTING**

1. GLH
2. CDW <input checked="" type="checkbox"/>
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

<b>WELL(S)</b>						
NAME	SEC TWN RNG	API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS
NBU CIGE 48-15-10-21	15-10S-21E	43-047-30506	2900	FEDERAL	GW	P
NBU CIGE 88D-15-10-21P	15-10S-21E	43-047-30958	2900	FEDERAL	GW	P
CIGE 119-15-10-21	15-10S-21E	43-047-31927	2900	FEDERAL	GW	P
CIGE 209-15-10-21	15-10S-21E	43-047-32943	2900	FEDERAL	GW	P
CIGE 228-15-10-21	15-10S-21E	43-047-32999	2900	FEDERAL	GW	P
CIGE 251	15-10S-21E	43-047-33720	2900	FEDERAL	GW	P
CIGE 357	15-10S-21E	43-047-33728	2900	FEDERAL	GW	P
CIGE 247	15-10S-21E	43-047-33639	2900	STATE	GW	P
CIGE 358	16-10S-21E	43-047-33708	2900	STATE	GW	P
CIGE 400	16-10S-21E	43-047-34794	2900	STATE	GW	APD
CIGE 140-16-10-21	16-10S-21E	43-047-31977	2900	STATE	GW	P
NBU CIGE 58-16-10-21	16-10S-21E	43-047-30532	2900	STATE	GW	S
NBU 62N	16-10S-21E	43-047-30909	2900	STATE	GW	P
CIGE 146-16-10-21	16-10S-21E	43-047-32021	2900	STATE	GW	P
CIGE 168-16-10-21	16-10S-21E	43-047-32123	2900	STATE	GW	P
CIGE 210-16-10-21	16-10S-21E	43-047-32888	2900	STATE	GW	P
NBU 3	17-10S-21E	43-047-30054	2900	FEDERAL	GW	PA
NBU 218-17V	17-10S-21E	43-047-31310	2900	FEDERAL	GW	P
NBU 17-18B	18-10S-21E	43-047-30317	2900	FEDERAL	GW	S
<b>NBU 33Y</b>	18-10S-21E	43-047-30504	2900	FEDERAL	GW	PA

**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 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: 03/21/2003

2. Changes have been entered on the Monthly Operator Change Spread Sheet on: 03/21/2003

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:**

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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 Wells - see attached

6. If Indian, Allottee or Tribe Name

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

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

1. Type of Well  
 Oil Well  Gas Well  Other

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

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

9. API Well No.  
Multiple Wells - see attached

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

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

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

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

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 recomplate 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.

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.

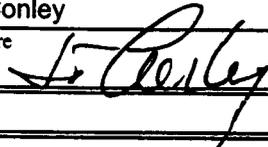
Westport Oil & gas requests approval of this variance in order to increase the value of the well to the operator and the mineral royalty owners.

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

Name (Printed/Typed)

J.T. Conley

Signature



COPY SENT TO OPERATOR

Date: 9-16-03

Initials: CHD Date: 9-2-2003

Title

Operations Manager

SEP 10 2003

DIV. OF OIL, GAS & MINING

THIS SPACE FOR FEDERAL OR STATE USE

Approved by

Title

Accepted by the  
Utah Division of  
Oil, Gas and Mining

Date

Date: 9/16/03

Federal Approval of This  
Action is Necessary

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.

CIGE 276	21-10-21 SWNW	UTU02278	891008900A	430473441700S1
CIGE 277	2' 21 NWNW	UTU02278	89100P	430473480000S1
CIGE 278	1-21 NESE	UTU01393C	891006	430473444500S1 ✓
CIGE 279	14-10-21 SESE	UTU01393C	891008900A	430473447900S1 ✓
CIGE 280	5-10-22 SWNW	UTU01195	891008900A	430473444300S1 ✓
CIGE 281	5-10-22 NWSW	UTU01191A	891008900A	430473444400S1 ✓
CIGE 282	7-10-22 NENE	ML23609	891008900A	430473442600S1 ✓
CIGE 283	35-9-21 SESE	ML22582	891008900A	430473479000S1 ✓
CIGE 284	1-10-21 SWNW	ML23612	891008900A	430473479200S1
CIGE 285	2-10-21 NENE	ML22852	891008900A	430473479300S1
CIGE 286	9-10-21 SENE	U01416	891008900A	430473479700S1
CIGE 287	9-10-21 NWSE	U01416	891008900A	430473479800S1
CIGE 288	21-9-21 NWSE	UTU0578	891008900A	430473486500S1 ✓
CIGE 289	7-9-21 NWSE	UTU0575B	891008900A	430473486900S1 ✓
CIGE 290	10-10-21 NESE	UTU0149079	891008900A	430473486900S1
CIGE 291	10-10-21 NWSE	UTU0149079	891008900A	430473486800S1
CIGE 292	8-10-22 SESE	UTU01196E	891008900A	430473487100S1
CIGE 293	8-10-22 SWSE	UTU01196E	891008900A	430473483800S1
CIGE 294	8-10-22 NENW	UTU468	891008900A	430473487000S1
CIGE 295	14-10-22 NENW	UTU01197A-ST	891008900A	430473482000S1
CIGE 296	14-10-22 NWNW	U01197A-ST	891008900A	430473485800S1 ✓
CIGE 297	14-10-22 SWNW	U01197A-ST	891008900A	430473485700S1 ✓
CIGE 298	9-10-22 SESW	UTU01196B	891008900A	430473485500S1
CIGE 299	14-10-22 NWSW	UTU468	891008900A	430473485900S1
NBU 004	23-9-21 NESE	UTU0149075	891008900A	430473005600S1
NBU 006	24-9-21 NWSE	UTU0149076	891008900A	430473008300S1
NBU 015	26-9-21 SESW	U99070-01	891008900A	430473020400S1
NBU 016	34-9-22 SWSE	UTU0149077	891008900A	430473020900S1
NBU 018	10-10-22 SWNE	UTU025187	891008900A	430473022100S1
NBU 020	28-9-21 NESW	U05676	891008900A	430473025000S1
NBU 022	18-10-22 SENE	ML22973	891008900A	430473025600S1
NBU 023	19-9-22 SWNE	UTU0284	891008900A	430473086800S1
NBU 024N2	12-10-22 SESE	U01197A	891008900A	430473053500S1
NBU 026	27-9-21 CSE	U01194A	891008900A	430473025200S1 ✓
NBU 027	33-9-21 NESW	U015630	891008900A	430473030400S1
NBU 027A	33-9-21 SWNE	U015630	891008900A	430473039800S1
NBU 028	13-10-21 NWSE	ML23608	891008900A	430473030500S1
NBU 029	11-10-21 NESW	UTU0149080	891008900A	430473030200S1
NBU 030	18-10-22 SWSE	ML22853	891008900A	430473030600S1
NBU 031	11-10-22 SESW	U01197A	891008900A	430473030700S1 ✓
NBU 032Y	20-9-22 NWNW	UTU0284	891008900A	430473051400S1
NBU 033Y	18-10-21 NWNW	UTU02270A	891008900A	430473050400S1
NBU 035Y	29-9-21 NWSE	UTU0581	891008900A	430473050300S1
NBU 036Y	30-9-21 SENE	UTU0581	891008900A	430473060300S1
NBU 037XP	3-10-22 SESE	UTU01191A	891008900A	430473072400S1
NBU 038N2	13-10-22 NWSW	U06512	891008900A	430473053600S1
NBU 039	29-10-22 SWSW	UTU0132568A	891008900A	430473086100S1
NBU 041J	31-9-22 NWSW	ML23607	891008900A	430473122400S1 ✓
NBU 042	30-9-22 SENW	U463	891008900A	430473173500S1
NBU 043	26-10-20 NWSE	UTU4476	891008900A	430473084800S1
NBU 045N2	12-9-20 NWSW	UTU0144868B	891008900A	430473087500S1
NBU 046	4-10-22 NWSE	UTU01191	891008900A	430473051300S1
NBU 047N2	30-10-22 SESW	UTU0132568A	891008900A	430473053400S1
NBU 048N3	18-9-22 SWNW	UTU0359	891008900A	430473053800S1
NBU 049	30-9-22 NWNE	U463	891008900A	430473124900S1
NBU 050N2	31-9-22 NWNW	ML23607	891008900A	430473083500S1 ✓
NBU 051J	32-9-22 NWSE	ML22649	891008900A	430473123400S1 ✓
NBU 052J	30-9-22 NWSW	U463	891008900A	430473085000S1
NBU 053	9-9-21 SENW	UTU0149787	891008900A	430473083700S1
NBU 054	32-9-22 NESW	ML22649	891008900A	430473089000S1 ✓
NBU 056N2	28-9-21 NESE	U05676	891008900A	430473088400S1
NBU 057N3	27-9-21 NENW	U01194	891008900A	430473086700S1 ✓

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

Instructions: Fill in blue 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 \$	830/840	\$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:**

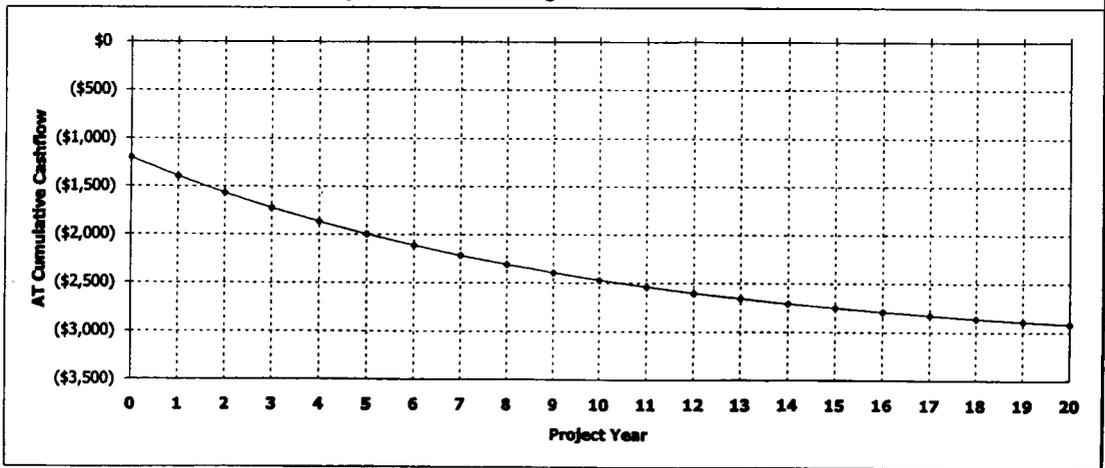
	Before		After		Difference	
Oil Production	0.192	BOPD	0.194	BOPD	0.002	BOPD
Gas Production	0	MCFPD	0	MCFPD	0	MCFPD
Wtr Production	0	BWPD	0	BWPD	0	BWPD
Horse Power		HP		HP	0	HP
Fuel Gas Burned		MCFPD		MCFPD	0	MCFPD

<p><b>Project Life:</b>                  Life = <input type="text" value="20.0"/> Years                  (Life no longer than 20 years)</p> <p><b>Internal Rate of Return:</b>                  After Tax IROR = <input type="text" value="#DIV/0!"/></p> <p><b>AT Cum Cashflow:</b>                  Operating Cashflow = <input type="text" value="(\$2,917)"/> (Discounted @ 10%)</p> <p><b>Gross Reserves:</b>                  Oil Reserves = <input type="text" value="6"/> BO                  Gas Reserves = <input type="text" value="0"/> MCF                  Gas Equip Reserves = <input type="text" value="38"/> MCFE</p>	<p><b>Payout Calculation:</b>                  Payout = <math>\frac{\text{Total Investment}}{\text{Sum(OPX + Incremental Revenue)}} = 1</math></p> <p>Payout occurs when total AT cashflow equals investment                  See graph below, note years when cashflow reaches zero</p> <p>Payout = <input type="text" value="NEVER"/> Years or <input type="text" value="#VALUE!"/> Days</p>
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**Notes/Assumptions:**

**An average NBU well produces 0.192 Bcpd with no tank pressure. The production is increased to 0.194 Bcpd if 6 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

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

<b>ROUTING</b>
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.	Unit:	NATURAL BUTTES UNIT					
	SEC	TWN	RNG	API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS

**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
- Is the new operator registered in the State of Utah: YES Business Number: 1355743-0181
- If **NO**, the operator was contacted on:
- (R649-9-2)Waste Management Plan has been received on: IN PLACE
- Inspections of LA PA state/fee well sites complete on: n/a 3 LA wells & all PA wells transferred
- Reports current for Production/Disposition & Sundries on: ok
- 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
- Federal and Indian Units:**  
The BLM or BIA has approved the successor of unit operator for wells listed on: 3/27/2006
- Federal and Indian Communization Agreements ("CA"):**  
The BLM or BIA has approved the operator for all wells listed within a CA on: n/a
- 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
- 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.*

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

**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**

**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 CHANGE OF OPERATOR

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 recomplate 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.

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)

**RANDY BAYNE**

Title

**DRILLING MANAGER**

Signature

*Randy Bayne*

Date

**May 9, 2006**

**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

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

**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

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 type="checkbox"/> Water Shut-Off
<input checked="" 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 checked="" type="checkbox"/> Other CHANGE OF OPERATOR
	<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 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

BLM OF CO, GAS & MINERALS