

# FILE NOTATIONS

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

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

## COMPLETION DATA:

Well Completed 6-20-78 .....  
.....  
GW. ✓ OS..... PA.....

Location Inspector .....  
bond released .....  
State or Fee Land .....

## LOGS FILED

Driller's Log ..... ✓  
Electric Logs (No.) ..... ✓  
E..... I..... Dual I Lat..... GR-N..... Micro.....  
BNC Sonic GR..... Lat..... Mi-L..... Sonic.....  
CLog..... CLog..... 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  
 CTG EXPLORATION, 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  
 2102' FSL & 679' FEL, SECTION 9, T10S, R21E  
 At proposed prod. zone  
 SAME AS ABOVE

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*  
 APPROXIMATELY 12 MILES SOUTHEAST OF OURAY, UTAH

15. DISTANCE FROM PROPOSED\* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 679' FEL

16. NO. OF ACRES IN LEASE  
 400

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  
 6,200'

20. ROTARY OR CABLE TOOLS  
 ROTARY

21. ELEVATIONS (Show whether DF, RT, GR, etc.)  
 5,106' Ungr. Gr.

22. APPROX. DATE WORK WILL START\*  
 JANUARY 2, 1978

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12-1/4"	9-5/8"	36#	200'	125 SX
7-7/8"	4-1/2"	11.6#	6,200'	AS REQUIRED TO COVER PAY ZONE

SEE ATTACHED SUPPLEMENTS FOR ADDITIONAL INFORMATION

- 10 POINT PROGRAM
- BOP SCHEMATIC
- 13 - POINT PROGRAM
- PLAT
- PROPOSED GAS WELL PRODUCTION HOOKUP  
 (A) Typical WellHead Installation  
 (B) Typical Connection to Main Lines and Pipe Anchor Detail
- PROPOSED PIPELINE RIGHT-OF-WAY MAP

APPROVED BY THE DIVISION OF OIL, GAS, AND MINING  
 DATE: 11/28/77  
 BY: C.B. Light

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. SIGNEL Frank R. Midkiff TITLE DISTRICT SUPERINTENDENT DATE November 18, 1977  
 F.R. MIDKIFF

(This space for Federal or State office use)  
 PERMIT NO. 43-047-30334 APPROVAL DATE \_\_\_\_\_

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

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

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 DRILL  DEEPEN  PLUG BACK

b. TYPE OF WELL  
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 SINGLE ZONE  MULTIPLE ZONE

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 CIG EXPLORATION, INC.

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

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 At surface  
 2102' FSL & 679' FEL, SECTION 9, T10S, R21E  
 At proposed prod. zone  
 SAME AS ABOVE

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24. SIGNER Frank R. Midkiff TITLE DISTRICT SUPERINTENDENT DATE November 18, 1977  
 F.R. MIDKIFF  
 (This space for Federal or State office use)

PERMIT NO. \_\_\_\_\_ APPROVAL DATE \_\_\_\_\_  
 APPROVED BY (ORIG. SGD.) E. W. GUYNN TITLE DISTRICT ENGINEER DATE JAN 06 1978  
 CONDITIONS OF APPROVAL, IF ANY:

NOTICE OF APPROVAL

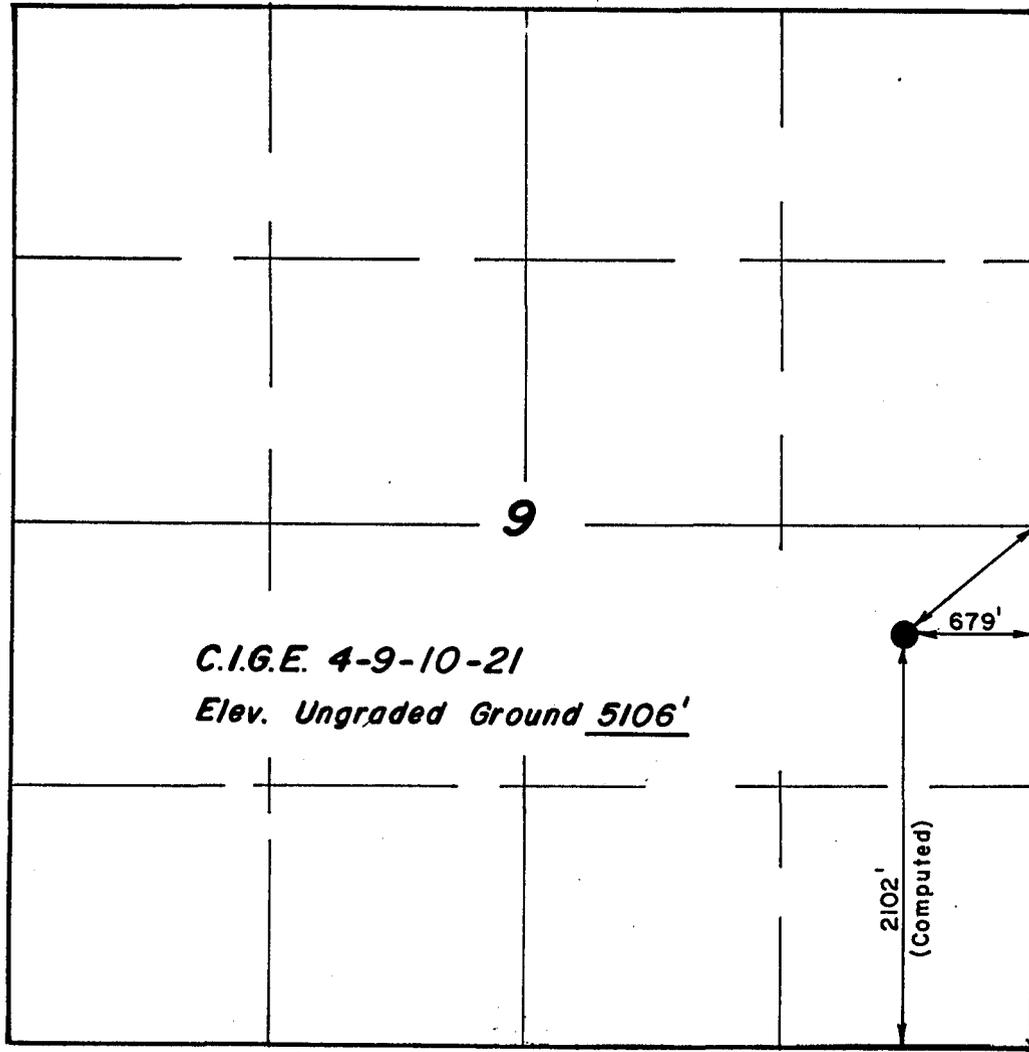
\*See Instructions On Reverse Side  
 State of Utah, Department of Natural Resources  
 Division of Oil, Gas, and Mining  
 1508 West North Temple  
 Salt Lake City, Utah 84116

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

PROJECT  
C.I.G.E

Well location, *C.I.G.E. 4-9-10-21*,  
located as shown in the NE 1/4 SE 1/4,  
Section 9, 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.

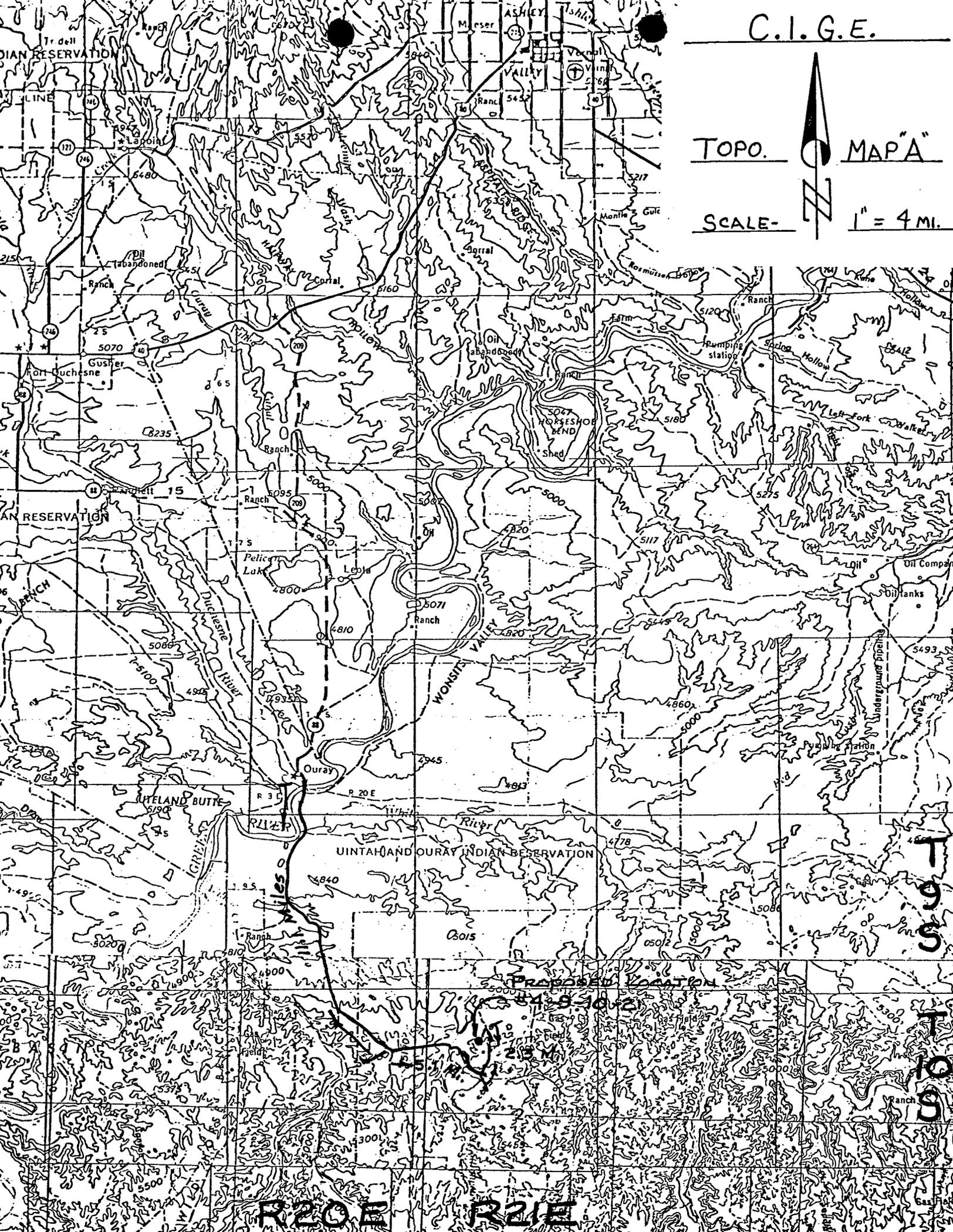
*[Signature]*  
REGISTERED LAND SURVEYOR  
REGISTRATION NO 2454  
STATE OF UTAH

UINTAH ENGINEERING & LAND SURVEYING P. O. BOX Q - 110 EAST - FIRST SOUTH VERNAL, UTAH - 84078	
SCALE 1" = 1000'	DATE 11/11/77
PARTY NM JW	REFERENCES GLO PLAT
WEATHER Cloudy	FILE CIGE

C.I.G.E.

TOPO. MAP "A"

SCALE - 1" = 4 MI.



T 9 S

T 10 S

R 20 E

R 21 E

CIGE NO. 4-9-10-21  
Section 9, T10S, R21E  
UNITAH COUNTY, UTAH

10-POINT PROGRAM

1. Geologic name of surface formation:  
Uinta Formation

2. The estimated tops of important geologic markers:  
Green River 1275'  
Wasatch 4500'

3. The estimated depths at which anticipated water, oil, gas are expected to be encountered:  
Wasatch 4500 - Gas

4. The proposed casing program, including the size, grade, and weight per foot each string and whether new or used:  
9-5/8" @ 200' 36#, K-55, STC New  
4-1/2" @ 6,200' 11.6#, N-80, LTC 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:  
The well will be drilled with fresh water from surface to 4,500' with a weight of 8.3 to 8.7 ppg. From 4500 to TD the well will be drilled with fresh water mud with a weight from 8.7 to 10.4 ppg. 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.

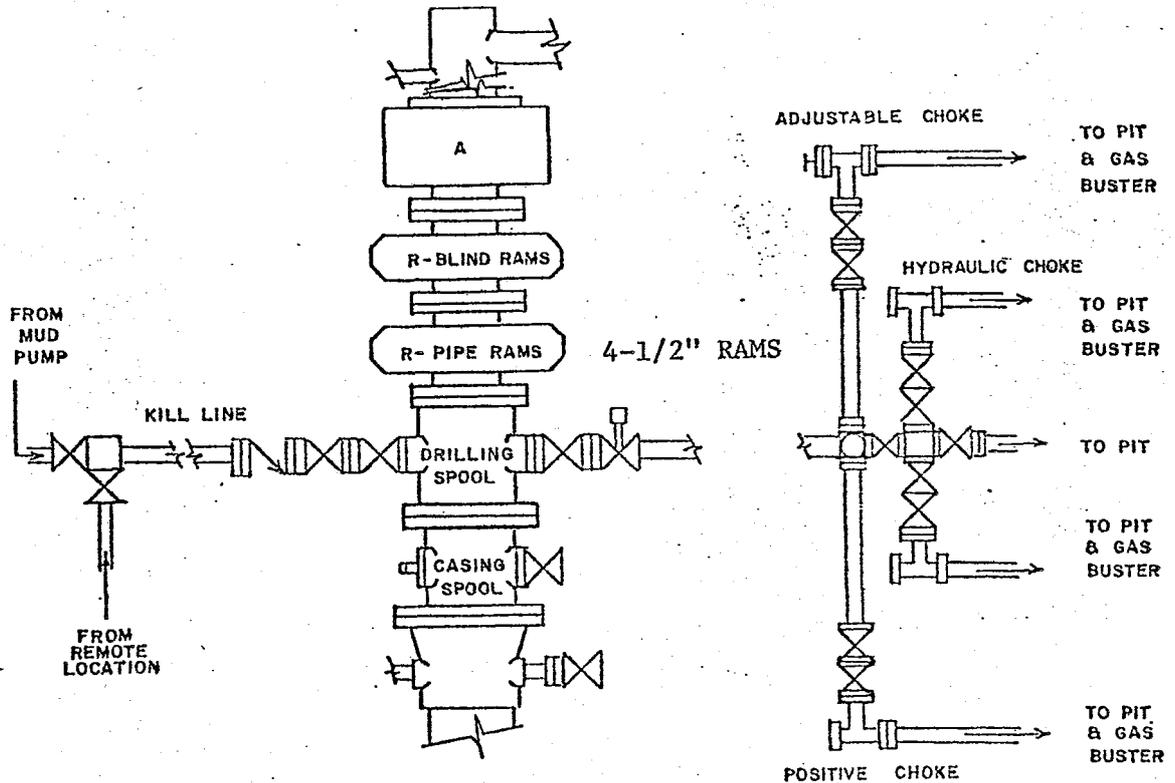
8. The testing logging and coring program to be followed:  
No DST's are planned  
No cores are to be cut

Logs: DIL  
GR-FDC/CNL

9. Any anticipated abnormal pressures or temperatures expected to be encountered:  
No abnormal pressure or temperatures expected.  
No hydrogen sulfide expected.
10. The anticipated starting date and duration of the operation:  
Starting Date: January 2, 1978  
Duration: January 23, 1978

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.

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 CO #4 BITTER CREEK	2102 FSL, 679 FEL SEC. 9 T10S, R21E SLM UTAH CO. Gr. E1 - 5106	U-01416
<p>1. Stratigraphy and Potential Oil and Gas Horizons. <i>The BELCO DEVELOPMENT CORP. - # 7-9B drilled in the same section reported tops as follows: Surface - Uinta Fm. Green River - 1280, Wasatch - 4510, Chapata Wells Zone - 5085, Buck Canyon Zone - 5625. A PGW 511777 Company log estimates are good.</i></p> <p>2. Fresh Water Sands. <i>FRESH water possible in Uinta Fm. Usable brackish water may be found to depths of 3500'.</i></p> <p>3. Other Mineral Bearing Formations. <i>Within oil shale withdrawal EO 5327. Top of of Mahogany zone at about 2100'.</i></p> <p>4. Possible Lost Circulation Zones. <i>UNKNOWN</i></p> <p>5. Other Horizons Which May Need Special Mud, Casing, or Cementing Programs. <i>UNKNOWN</i></p> <p>6. Possible Abnormal Pressure Zones and Temperature Gradients. <i>UNKNOWN</i></p> <p>7. Competency of Beds at Proposed Casing Setting Points. <i>Probably competent</i></p> <p>8. Additional Logs or Samples Needed. <i>Proposed logging plus sonic log through oil shale section.</i></p> <p>9. References and Remarks <i>Cashion's open file maps. INSIDE KGS.</i></p>		
Date: <i>Nov. 30, 1977</i>		Signed: <i>BL Acto</i>

4. 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.

2) DENY THE PROPOSED PERMIT AND SUGGEST AN ALTERNATE LOCATION TO MINIMIZE ENVIRONMENTAL IMPACTS. NO ALTERNATE LOCATION ON THIS LEASE WOULD JUSTIFY THIS ACTION.

3) LOCATION WAS MOVED \_\_\_\_\_ TO AVOID \_\_\_\_\_  
 LARGE SIDEHILL CUTS     NATURAL DRAINAGE     OTHER \_\_\_\_\_

4) Use portion of existing seismic trail as access road to shorten road construction and access.

5. Adverse Environmental Effects Which Cannot Be Avoided

1) MINOR AIR POLLUTION DUE TO EXHAUST EMISSIONS FROM RIG ENGINES AND SUPPORT TRAFFIC ENGINES.

2) MINOR INDUCED AND ACCELERATED EROSION POTENTIAL DUE TO SURFACE DISTURBANCE AND SUPPORT TRAFFIC USE.

3) MINOR AND TEMPORARY DISTURBANCE OF WILDLIFE.

4) TEMPORARY DISTURBANCE OF LIVESTOCK.

5) MINOR AND SHORT-TERM VISUAL IMPACTS.

6)

6. 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 INSPECTED Dec 5, 1977

INSPECTOR J. EVANS

Ed Guyman

U. S. GEOLOGICAL SURVEY  
CONSERVATION DIVISION - OIL & GAS OPERATIONS  
SALT LAKE CITY DISTRICT



LEASE U-01416 DATE Dec 5, 77

WELL NO. #4 IN Natural Buttes UNIT

LOCATION: NE 1/4 SE 1/4, SEC. \_\_\_\_\_, T. \_\_\_\_\_, R. \_\_\_\_\_

FIELD Bitter Creek COUNTY Uintah STATE ut

ENVIRONMENTAL IMPACT ANALYSIS - ATTACHMENT 2-B

I. PROPOSED ACTION

G16 Exploration PROPOSES TO DRILL AN OIL AND  
(COMPANY)  
GAS TEST WELL WITH ROTARY TOOLS TO ABOUT 6200 FT. TD. 2) TO CONSTRUCT A  
DRILL PAD 250 FT. X 300 FT. AND A RESERVE PIT 150 FT. X 75 FT.  
3) TO CONSTRUCT 18 FT. WIDE X 0.7 MILES ACCESS ROAD AND UPGRADE  
FT. WIDE X \_\_\_\_\_ MILES ACCESS ROAD FROM AN EXISTING AND IMPROVED ROAD. TO CONSTRUCT

GAS  OIL PRODUCTION FACILITIES ON THE DISTURBED AREA FOR THE DRILL PAD  
AND  TRUCK  TRANSPORT THE PRODUCTION THROUGH A PIPELINE TO A TIE-IN IN  
E<sub>1/2</sub>  
SECTION 10, T. 10S, R. 21E  
USE 150' x 250' AREA EAST OF DRILL PAD FOR FRAC STORAGE AREA.

2. LOCATION AND NATURAL SETTING (EXISTING ENVIRONMENTAL SITUATION).

(1) TOPOGRAPHY:  ROLLING HILLS  DISSECTED TOPOGRAPHY  DESERT  
OR PLAINS  STEEP CANYON SIDES  NARROW CANYON FLOORS  DEEP DRAINAGE  
IN AREA  SURFACE WATER AREA IS NEAR Dissected Topography +  
steep canyon side well site is SANDY AREA ON small  
rise. area is relative flat.

(2) VEGETATION:  SAGEBRUSH  PINION-JUNIPER  PINE/FIR  FARMLAND  
(CULTIVATED)  NATIVE GRASSES  OTHER cacti

(3) WILDLIFE:  DEER  ANTELOPE  ELK  BEAR  SMALL  
MAMMAL  BIRDS  <sup>None known</sup> ENDANGERED SPECIES  OTHER \_\_\_\_\_

(4) LAND USE:  RECREATION  LIVESTOCK GRAZING  AGRICULTURE  
 MINING  INDUSTRIAL  RESIDENTIAL  OIL & GAS OPERATIONS

REF: BLM UMBRELLA EAR  
USFS EAR  
OTHER ENVIRONMENTAL ANALYSIS

3. Effects on Environment by Proposed Action (potential impact)

1) EXHAUST EMISSIONS FROM THE DRILLING RIG POWER UNITS AND SUPPORT TRAFFIC ENGINES WOULD ADD MINOR POLLUTION TO THE ATMOSPHERE IN THE LOCAL VICINITY.

2) MINOR INDUCED AND ACCELERATED EROSION POTENTIAL DUE TO SURFACE DISTURBANCE AND SUPPORT TRAFFIC USE.

3) MINOR VISUAL IMPACTS FOR A SHORT TERM DUE TO OPERATIONAL EQUIPMENT AND SURFACE DISTURBANCE.

4) TEMPORARY DISTURBANCE OF WILDLIFE AND LIVESTOCK.

5) MINOR DISTRACTION FROM AESTHETICS FOR SHORT TERM.

6)

C.I.G. EXPLORATION

13 Point Surface Use Plan

for

Well Location

C.I.G.E. #4-9-10-21

Located In

Section 9, T10S, R21E, S.L.B. & M.

Uintah County, Utah

C.I.G. EXPLORATION  
C.I.G.E. #4-9-10-21  
Section 9, T10S, R21E, S.L.B. & M.

1. EXISTING ROADS

See attached Topographic Map "A".

To reach C.I.G. Exploration, well location, C.I.G.E. #4-9-10-21, located in the NE 1/4 SE 1/4 Section 9, 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 11.1 miles towards Seep Ridge to its junction with a dirt service road to the East; proceed Easterly along this service road 5.1 miles to the Junction of this road and a dirt road to the North; proceed North along this dirt road 2.3 miles to the point the planned access road leaves this road and will be discussed in item #2.

There is no anticipated construction on any of the above described roads. They will meet the necessary standards required to facilitate an orderly flow of traffic during the drilling of this well and the production of such if 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 road discussed in Item #1 in the NE 1/4 NE 1/4 of Section 10, T10S, R21E, S.L.B. & M. and follows an existing jeep road in a southwesterly direction 0.6 miles to a point that the proposed access road will require total new construction for 0.7 miles to the proposed location site in Section 9, T10S, R21E, S.L.B. & M.

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 any 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.

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

2. PLANNED ACCESS ROAD - Continued

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 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 end and the outlet end.

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

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

The excess 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 this road traverses is along a small bench area that extends in a Southwesterly direction and is vegetated with sparse amounts of sagebrush, rabbit brush, grasses and cacti.

3. LOCATION OF EXISTING WELLS

There are no C.I.G. Exploration wells within a one mile radius of this location. (See Topographic Map "B"). For the exact location of this well in Section 9, T10S, R21E, S.L.B. & M. see the 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 batteries, production facilities, oil gathering lines, gas gathering lines, injection and disposal lines within a one-mile radius.

In the event that production of this well is established, then 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.

The proposed Gas Flowline will be on an 18' right of way immediately adjacent to the north of and to follow the planned access road discussed in Item #2 until it reaches the existing Gas Flow Line in the E 1/2 of Section 10, T10S, R21E, S.L.B. & M. (See topographic Map "B").

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

If there is any deviation from the above, then all appropriate agencies will be notified prior to construction and all necessary requests and applications will be made.

5. LOCATION AND TYPE OF WATER SUPPLY

Water to be used for the drilling and production of this well will be hauled by truck from an existing well located in the SE 1/4 NE 1/4 of Section 16, T10S, R21E, S.L.B. & M. approximately 5.2 road miles.

In the event that the above source is not used, the water will be hauled by truck utilizing the roads described in Items #1 and #2, from the White River South of Ouray, Utah, a distance of 19.8 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 road gravels or pit lining materials from other sources are anticipated at this time, but if they are required, the appropriate actions will be taken to acquire them from private sources.

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

8. ANCILLARY FACILITIES

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

9. WELL SITE LAYOUT

See attached location layout sheet.

The B.L.M. District Manager shall be notified before any construction begins on this proposed location site.

9. WELL SITE LAYOUT - Continued

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 material necessary to make it safe and tight.

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

10. PLANS FOR RESTORATION OF SURFACE

As there is some topsoil on the location site, all topsoil shall be stripped and stockpiled. (See Location Layout Sheet and Item No. 9). When all drilling and production activities have been completed, the location site and access road will be reshaped to the original contour and stockpiled topsoil spread over the disturbed area. Fences around pits are to be removed upon completion of the drilling activities and all waste being contained in trash pit shall be buried with a minimum of 5' of cover. 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 No. 7 and 10.

11. OTHER INFORMATION

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

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

The majority of the surrounding drainages are of a non-perennial nature with normal flow limited to the early spring run-off and extremely heavy rain storms of long duration. This type of storm is of an extremely rare nature as the normal annual precipitation is only 8".

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

The soils of this semi-arid area are of the Uintah Formation and Duchesne River Formation (The fluvial Sandstone and Mudstone) from the Eocene epoch and Quaternary Epoch (gravel surfaces). It consists of light brownish-gray clays (OL) type soils (SM-ML) with poorly graded gravels.

The top soils in the area range from a sandy clay (SM-ML) type soil to a clayey (OL) type soil, with outcrops of solid rock (sandstone).

11 OTHER INFORMATION - Continued

Due to low precipitation average, climate 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, it consists of, as primary flora, areas of sagebrush, rabbit brush, some grasses, and cacti, and large areas of bare soils devoid of any growth.

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

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.

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

C.I.G.E. #4-9-10-21 location sets on a small ridge that extends downward from some low hills to the south of the location into a relatively flat area north of the proposed location site and a small non-perennial drainage to the north of the site.

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 OR OPERATOR'S REPRESENTATIVE

Frank Midkiff  
C.I.G. EXPLORATION  
P. O. Box 749  
Denver, Colorado 80201

C.I.G. EXPLORATION

C.I.G.E. #4-9-10-2

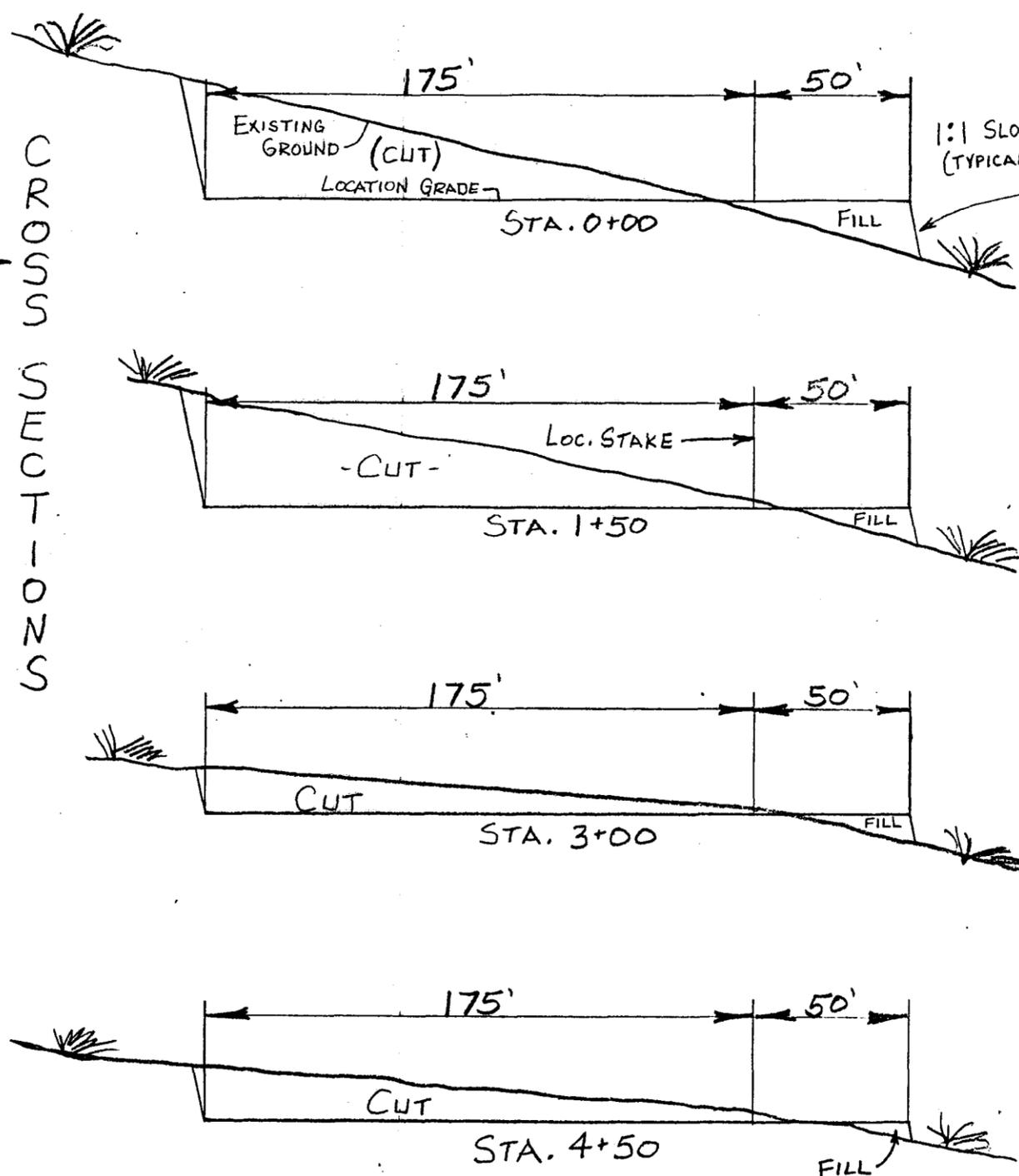
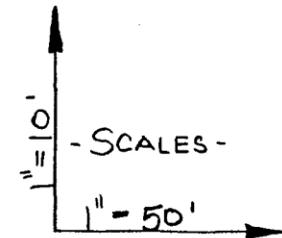
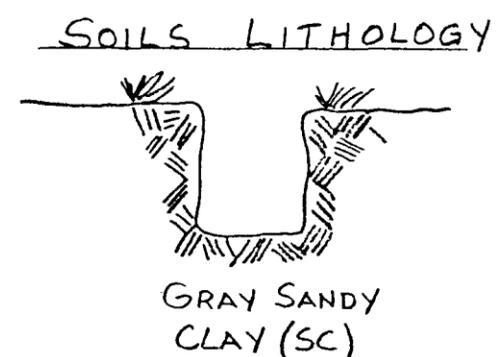
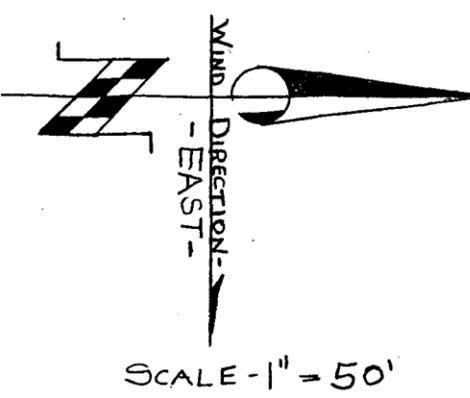
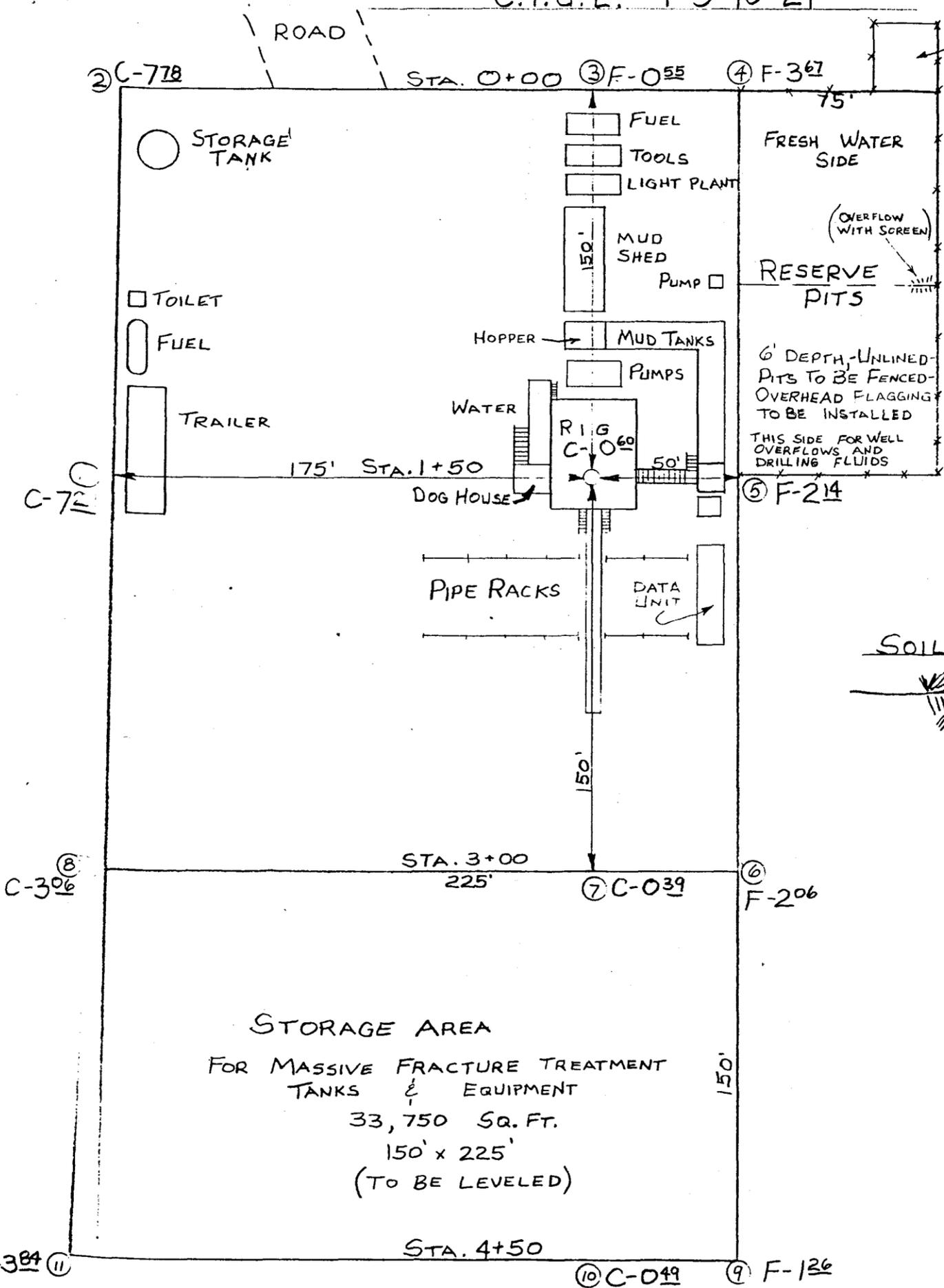
Section 9, T10S, R21E, S.L.B. & M.

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 and its contractors and sub-contractors in conformity with this plan and terms and conditions with this plan and the terms and conditions under which it is approved.

Nov. 23, 1977  
Date

Frank R. Midkiff  
Frank Midkiff  
Senior Engineer

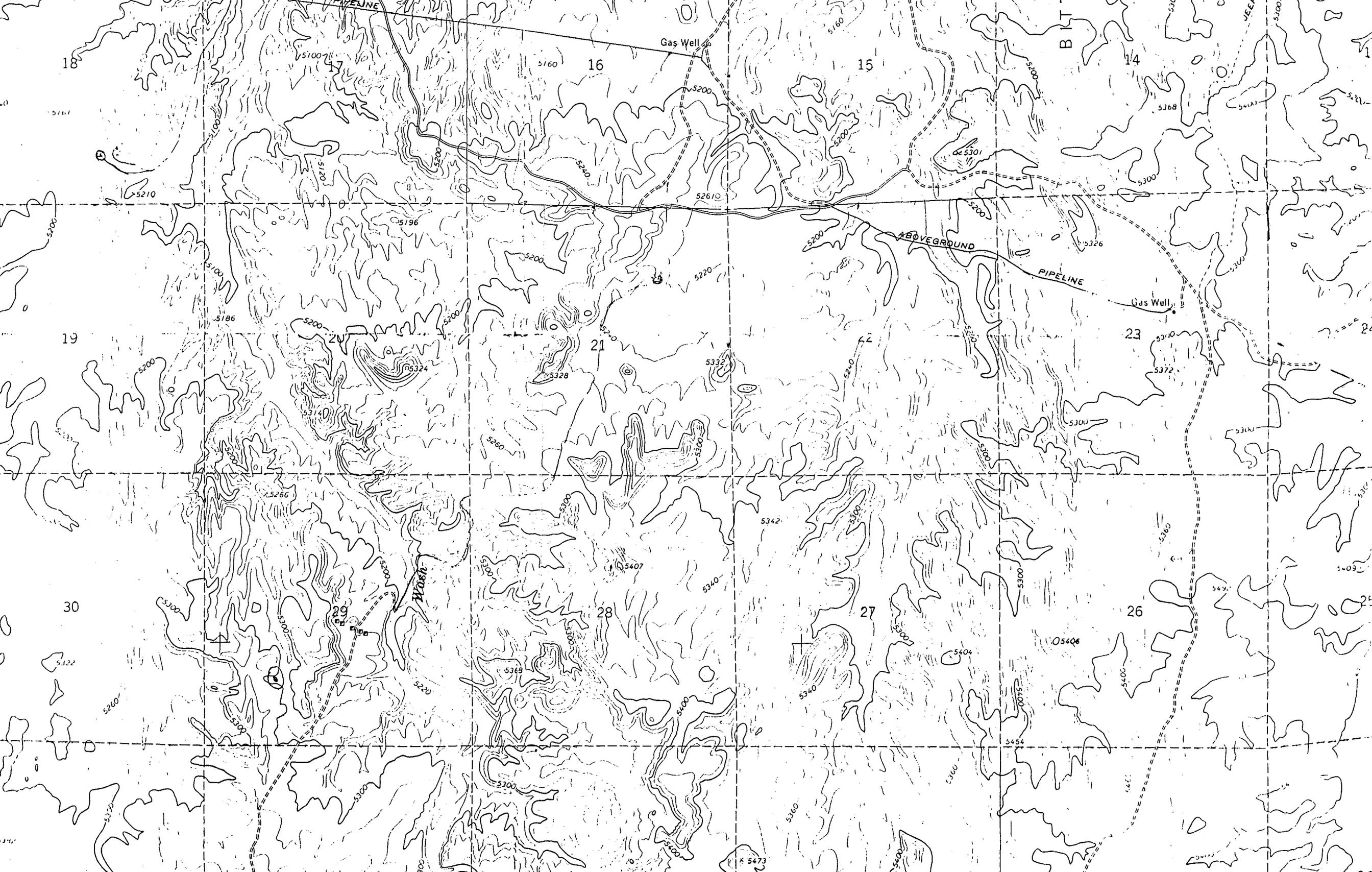


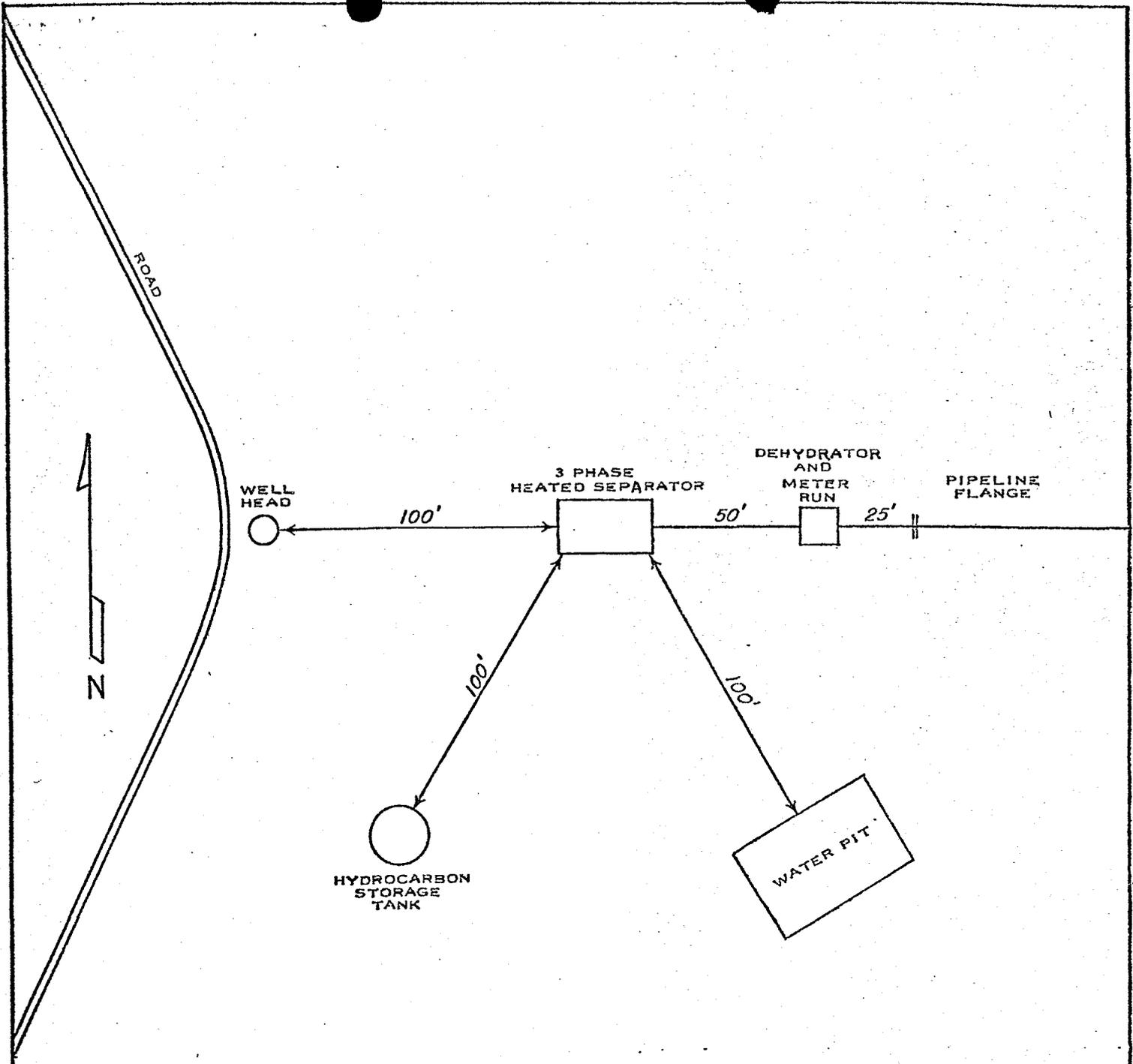
APPROX. YARDAGES

CUT - 8614 CU. Yds.

FILL - 886 CU. Yds.







COLORADO INTERSTATE GAS EXPLORATION  
DENVER, COLORADO

CIGE 4-9-10-21 - NATURAL BUTTES UNIT  
Section 9, T10S, R21E  
UINTAH COUNTY, UTAH

PROPOSED GAS WELL PRODUCTION HOOKUP

Statement for permit to lay flow line, to be included with application for Drilling Permit -- CIG #4-9-10-21.

Upon approval of all concerned regulatory agencies, CIG proposes to install a surface flow line from CIGE #4-9-10-21 in a southwesterly direction, connecting to a 2-7/8" O.D. line (F23-2½) in the SW¼ of S9, all in T10S, R21E. The line will be approximately 3400' long as shown on the accompanying sketches.

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

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

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

DDS 11/17/77

### ESTIMATE SKETCH

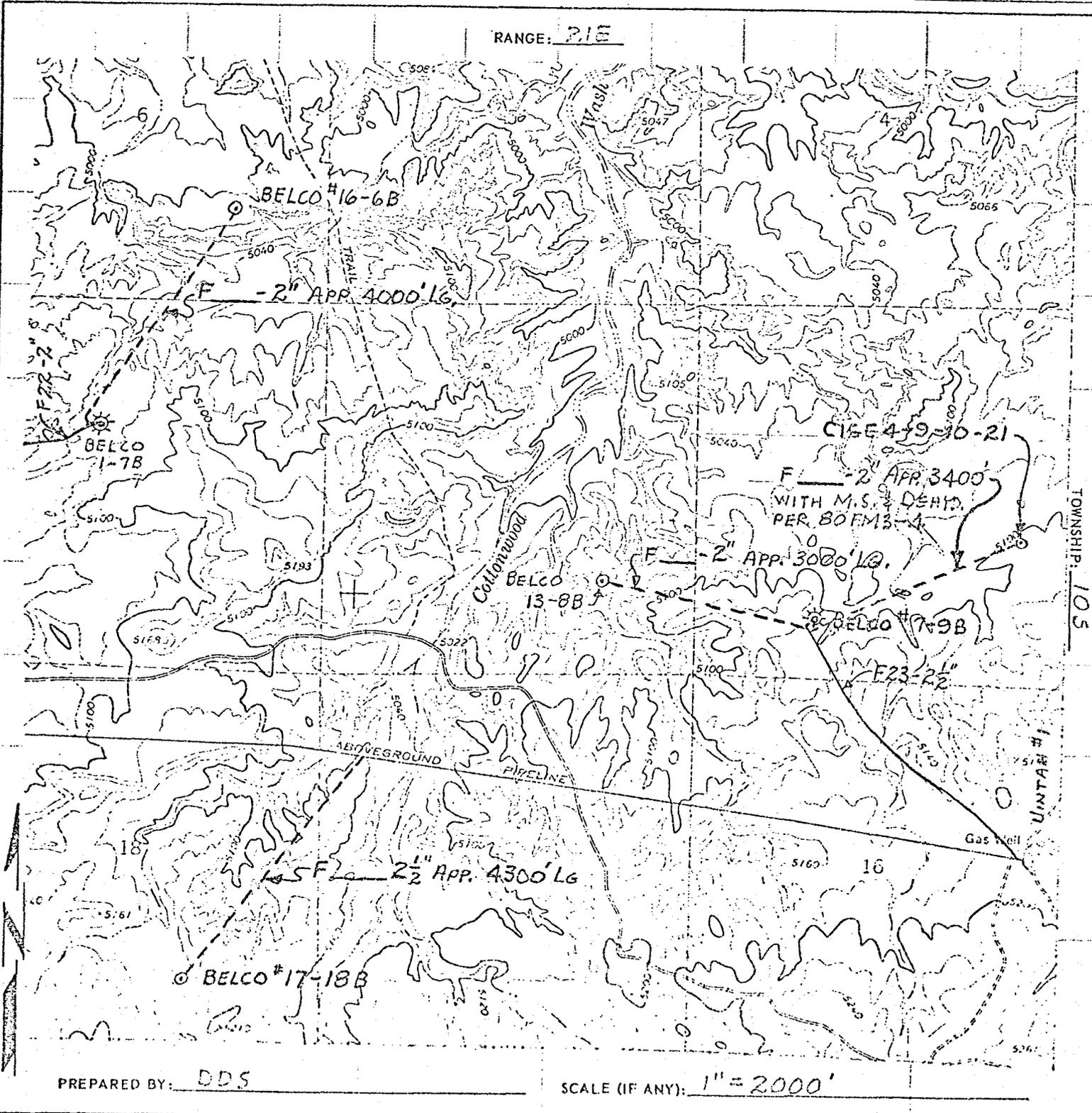
DATE: 18 Aug 77  
STARTING DATE: \_\_\_\_\_  
EST. COMP. DATE: \_\_\_\_\_  
 COMPANY  CONTRACT

COLORADO INTERSTATE GAS COMPANY  
 NORTHWEST PIPELINE CORPORATION

W. O. NO.: \_\_\_\_\_  
REVISION NO.: A 11/16/77  
BUDGET NO.: \_\_\_\_\_  
RELATED DWG.: 1551-13-1

LOCATION: T10S R21E NATURAL BUTTES FIELD COUNTY: WINTAR STATE: UTAH  
DESCRIPTION OF WORK: CONNECT BELCO UNIT #12-8B CONNECT CIGE 4-9-10-21  
CONNECT BELCO UNIT #16-6B  
CONNECT BELCO UNIT #17-18B

REQUESTED BY: GAS SUPPLY APPROXIMATE MILEAGE: — PROJECT ENGINEER: D.D. SHEPHERD



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



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

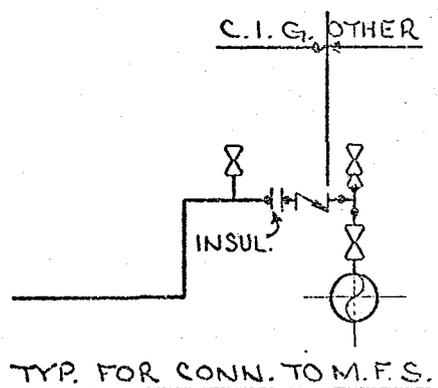
20' ±

B.O.  
C.Y.  
S.Y.

EXIST. PIPELINE

ALTERNATE ANCHOR - BURY PIPELINE MIN. OF 18"

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



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

Colorado Interstate Gas Co.  
COLORADO SPRINGS, COLORADO

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

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

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING

\*\* FILE NOTATIONS \*\*

Date: Nov. 28

Operator: Cig Exploration

Well No: Natural Butte Unit 49-10-21

Location: Sec. 9 T. 108 R. 21E County: Uintal

File Prepared:   
Card Indexed:

Entered on N.I.D.:   
Completion Sheet:

API NUMBER: 43-047-30334

CHECKED BY:

Administrative Assistant [Signature]

Remarks: Unit well - OK

Petroleum Engineer [Signature]

Remarks: [Signature]

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. Butte Unit

Other:

Letter Written/Approved



*CIG Exploration, Inc.*

A Subsidiary of Coastal States Gas Corporation  
2100 PRUDENTIAL PLAZA • P.O. BOX 749 • DENVER, COLORADO 80201 • (303) 572-1121

*File*



November 18, 1977

Mr. C. J. Curtis  
U. S. G. S.  
P. O. Box 2859  
Casper, Wyoming 82601

Dear Mr. Curtis:

Please find enclosed Designation of Agents (in triplicate) from Gas Producing Enterprises, Inc. to CIG Exploration, Inc., covering the following locations:

Section 9, T10S, R21E  
Uintah County, Utah

and

Section 25, T9S, R20E  
Uintah County, Utah

Very truly yours,

*Margaret J. Dominy*

Margaret J. Dominy  
Associate Production Analyst

MJD/pm

xc: Mr. Bill Martens, U.S.G.S.  
Mr. J. A. Short  
*PAT Driscoll*

DESIGNATION OF AGENT

Supervisor, Oil and Gas Operations:

The undersigned is, on the records of the Geological Survey, Unit Operator under the Natural Buttes unit agreement, Uintah County, Utah (state), No. 14-08-0001-8900 approved January 5, 1968 and hereby designated:

NAME: CIG Exploration, Inc.

ADDRESS: P. O. Box 749, Denver, Colorado 80201

as its agent, with full authority to act in its behalf in complying with the terms of the Unit Agreement and regulations applicable thereto and on whom the supervisor or his representative may serve written or oral instructions in securing compliance with the Oil and Gas Operating Regulations with respect to drilling, testing, and completing unit well ~~Nox~~ in NE/4 SE/4 of ~~xxx~~ Section 9 ~~xxx~~, T. 10 South, R. 21 East, Uintah County, Utah. (Serial USA U-01416)

It is understood that this designation of agent does not relieve the Unit Operator of responsibility for compliance with the terms of the unit agreement and the Oil and Gas Operating Regulations. It is also understood that this designation of agent does not constitute an assignment of any interest under the unit agreement or any lease committed thereto.

In case of default on the part of the designated agent, the Unit Operator will make full and prompt compliance with all regulations, lease terms, or orders of the Secretary of the Interior or his representative.

The Unit Operator agrees promptly to notify the oil and gas supervisor of any change in the designated agent.

This designation of agent is deemed to be temporary and in no manner a permanent arrangement.

This designation is given only to enable the agent herein designated to drill the above-specified unit well. Unless sooner terminated, this designation shall terminate when there is filed in the appropriate district office of the U.S. Geological Survey a completed file of all required Federal reports pertaining to subject well. It is also understood that this designation of agent is limited to field operations and does not cover administrative actions requiring specific authorization of the Unit Operator.

GAS PRODUCING ENTERPRISES, INC.

Unit Operator *JK*

November 15, 1977

By: *DW. Kinsail*  
Asst. Vice President



*CIG Exploration, Inc.*

A Subsidiary of Coastal States Gas Corporation  
2100 PRUDENTIAL PLAZA • P.O. BOX 749 • DENVER, COLORADO 80201 • (303) 572-1121

November 22, 1977

Mr. Bill Martens  
U.S.G.S.  
8426 Federal Building  
125 So. State Street  
Salt Lake City, Utah 84138

Re: CIGE 4-9-10-21  
Section 9, T10S, R21E  
Uintah County, Utah

Dear Mr. Martens:

In connection with the above-captioned well, please find enclosed three copies of the Application for Permit to Drill form, along with the proposed Gas Well Production Hookup, for your approval.

Very truly yours,

  
F. R. Midkiff  
District Superintendent

FRM/pm

Attachments

xc: Mr. Pat Driscoll,  
Department of Natural Resources, State of Utah  
Mr. J. A. Short  
Mr. Karl Oden

*PLD*

CIRCULATE TO:

DIRECTOR  
PETROLEUM ENGINEER  
MINE COORDINATOR  
ADMINISTRATIVE ASSISTANT  
ALL

RETURN TO Kathy Wells  
FOR FILING

January 13, 1978

Memo To File:

Re: CIG Exploration  
CIG 4-9-10-21  
Sec. 9, T. 10S, R. 21E  
Uintah County, Utah

Maggie Dominy called to report that CIG Exploration Company spudded well no. Cig #4, on January 12, 1978. Drilling contractor is Anderson Drilling and Rig #10 is on location.

PATRICK L. DRISCOLL  
CHIEF PETROLEUM ENGINEER

PLD/ko

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-01416  
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  
CIG EXPLORATION, INC.

8. FARM OR LEASE NAME  
NATURAL BUTTES UNIT

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

9. WELL NO.  
CIGE 4-9-10-21

10. FIELD AND POOL, OR WILDCAT  
BITTER CREEK FIELD

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
Section 9, T10S, R21E

2102' FSL & 679' FEL, SECTION 9, T10S, R21E

14. PERMIT NO.  
43-047-30334

15. ELEVATIONS (Show whether DF, RT, GR, etc.)  
5,106' Ungr. Gr.

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

WATER SHUT-OFF   
FRACTURE TREATMENT   
SHOOTING OR ACIDIZING   
(Other) Spud   
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.)\*

Well spudded 1-12-78 @ 11:00 AM.

USGS (Thelma) and State (Kathy) notified 1-13-78.

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

SIGNED F.R. Midkiff  
F.R. MIDKIFF

TITLE District Superintendent

DATE 1-13-78

(This space for Federal or State office use)

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

TITLE \_\_\_\_\_

DATE \_\_\_\_\_



SCOTT M. MATHESON  
Governor

OIL, GAS, AND MINING BOARD

GORDON E. HARMSTON  
*Executive Director,*  
NATURAL RESOURCES

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS, AND MINING  
1588 West North Temple  
Salt Lake City, Utah 84116  
(801) 533-5771

I. DANIEL STEWART  
*Chairman*

CLEON B. FEIGHT  
*Director*

CHARLES R. HENDERSON  
JOHN L. BELL  
THADIS W. BOX  
C. RAY JUVELIN

August 31, 1978

Cig Exploration, Inc.  
P.O. Box 749  
Denver, Colorado 80201

RE: Well locations listed on  
attached sheet

Gentlemen:

Our records indicate that you have not filed a Monthly Report of Operations for the months indicated above on the subject wells.

Rule C-22, General Rules and Regulations and Rules of Practice and Procedure, requires that said reports be filed on or before the sixteenth (16) day of the succeeding month. This report may be on Form OGC-1b, (U.S. Geological Survey Form 9-331) "Sundry Notices and Reports on Wells", or on company forms containing substantially the same information. We are enclosing forms for your convenience.

Your prompt attention to the above will be greatly appreciated.

Very truly yours,

DIVISION OF OIL, GAS, & MINING

Tammy Edge  
Typist

Well No. Cige 2-29-10-21(NBU)  
Sec. 29, T. 10S, R. 2.E  
Uintah County, Utah  
October 1977-July 1978

Well No. Natural Buttes Unit #23  
Sec. 7, T. 10S, R. 22E  
Uintah County, Utah  
December 1977-July 1978

Well No. Cige 3-16-9-21(NBU)  
Sec. 16, T. 9S, R. 21E  
Uintah County, Utah  
August 1977-July 1978

Well No. Cige 3-32-9-22(NBU)  
Sec. 32, T. 9S, R. 22E  
Uintah County, Utah  
December 1977-July 1978

Well No. Natural Buttes Unit #4  
Sec. 9, T.10S, R. 21E  
Uintah County, Utah  
February 1978-July 1978

Well No. Natural Buttes Unit 6-19-9-21  
Sec. 19, T. 9S, R. 21E  
Uintah County, Utah  
April 1978-July 1978

Well No. Natural Butees Unit 7-8-10-21  
Sec. 8, T. 10S, R. 21E  
Uintah County, Utah  
June 1978-July 1978

Well No. Natural Buttes Unit 9-36-9-22  
Sec. 36, T. 9S, R. 22E  
Uintah County, Utah  
June 1978-July 1978

Well No. Cige 21-15-10-22  
Sec. 15, T. 10S, R. 22E  
Uintah County, Utah  
April 1978-July 1978

Well No. Cige 10-2-10-22  
Sec. 15, T. 10S, R. 22E  
Uintah County, Utah  
June 1978-July 1978

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

SUBMIT IN TRIPPLICATE  
(Other instructions on reverse side)

Form approved.  
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

U-01416

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

N/A

7. UNIT AGREEMENT NAME

NATURAL BUTTES UNIT

8. FARM OR LEASE NAME

NATURAL BUTTES UNIT

9. WELL NO.

CIGE 4-9-10-21

10. FIELD AND POOL, OR WILDCAT

BITTER CREEK FIELD

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

Section 9, 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

CIG EXPLORATION, 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

2102' FSL & 679' FEL, SECTION 9, T10S, R21E

14. PERMIT NO.

43-047-30334

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

5,106' Ungr. Gr.

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

NOTICE OF INTENTION TO:

SUBSEQUENT REPORT OF:

TEST WATER SHUT-OFF

PULL OR ALTER CASING

WATER SHUT-OFF

REPAIRING WELL

FRACTURE TREAT

MULTIPLE COMPLETE

FRACTURE TREATMENT

ALTERING CASING

SHOOT OR ACIDIZE

ABANDON\*

SHOOTING OR ACIDIZING

ABANDONMENT\*

REPAIR WELL

CHANGE PLANS

(Other)

SEE BELOW

(Other)

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

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

REPORT OF OPERATIONS FOR JANUARY THROUGH JUNE 1978.

SEE ATTACHED

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

SIGNED

E. R. Midkiff  
E. R. Midkiff

TITLE District Superintendent

DATE September 21, 1978

(This space for Federal or State office use)

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

TITLE \_\_\_\_\_

DATE \_\_\_\_\_

CONDITIONS OF APPROVAL, IF ANY:

CIGE #4-9-10-21 (NBU)

1-11-78 Building Road & Location.

Bitter Creek Field

Uintah County, Utah

AFE: 19362 WI: 100%

ATD: 6000' SD:

CIGE, Inc., Oper.

Anderson Drilling, Contr.

Location: 2102' FSL & 679' FEL, Section 9, T10S, R21E,  
Uintah County, Utah.1-12-78 Building road & location.

TD: 80' Drilling surface hole. Spud 12-1/4" hole @ 11:00 AM, 1-12-78  
1-13-78 RU Vern West rotating hole diggers; Drilling 12-1/4" hole to  
 80' KB. Spud well @ 11:00 AM, 1-12-78.

TD: 200' WORT  
1-14-78 RU & ran 5 jts, 9-5/8", OD, 8rd, 36#, Rge 3 csg. Cmtd  
 w/110 sx Class "G" + 2% CaCl<sub>2</sub>. PD @ 10:00 PM, 1-13-78.

1-15-78 WORT1-16-78 WORT1-17-78 Location finished.

TD: 200' MI Anderson  
1-18-78 Rig #10.

TD: 200' MIRT & RU  
1-19-78

TD: 200' MI & RURT  
1-20-78

TD: 200' MI & RURT  
1-21-78

TD: 200' RURT  
1-22-78

TD: 200'  
1-23-78 RURT

TD: 218' Drilling  
1-24-78 Resume drilling operations @ 4:00 AM on cmt in  
 9-5/8" csg; Drilling; Test BOP, 1000# Blinds & Pipe,  
 500# Bag; RU; NU BOP; PU DC & Bit; PU Kelly.

MW 8.8#, 28 secs.

TD: 690' Drilling (472' - 20-1/4 hrs.)  
1-25-78

Drilling; Pack swivel and repair mouse hole; Repair ck line;  
 Survey: 1° @ 502'.

MW 8.4#, 27 secs.

TD: 1270' Drilling (580' - 22 hrs).  
1-26-78 Drilling; Survey (3/4° - 815')(3/4° 1097') & rig serv;  
 Install rotating head.

CIGE #4-9-10-21

Bitter Creek Field TD: 1595'  
Uintah County, Utah 1-27-78

AFE: 19362 WI: 100%

ATD: 6000' SD: 1-12-78

CIGE, Inc. Oper.

Anderson Drilling, Contr.

9-5/8" @ 200':

Prep to spot cmt for lost circ control (325' -13½ hrs).  
Drilling; Trip; Lost returns & mixing mud; Survey  
(2° - 1408'); Hit fracture @ 1467' & lost partial  
returns; Spotted LCM pill & continued drilling; Hit  
fracture @ 1488' & lost complete returns @ 1494'.  
Drilled to 1511' & spotted LCM pill - 250 bbls (25%  
LCM - 40 vis). PU hole to 550' & WO LCM pill for 4  
hrs. TIH & drill w/o returns to 1595'. Spotted 2nd  
LCM pill - 250 bbls. POOH - to cmt.

MW 8.5#, 40 secs.

TD: 1720' Lost returns - starting centrifugal pump on reserve  
1-28-78 pit. (125' - 4 hrs).  
TIH & PU DP prep to run cmt plug; Pump 150 sx plug @  
1592', Class "G", 4% gel, 2% CaCl<sub>2</sub>; Pull 7 stds; Pump  
100 sx plug as above @ 941'; POOH; WOC; TIH to 1429';  
Drill out cmt 1429'-1595'; Work on pump; Drilling;  
Survey (1½° - 1596'); Lost returns - hit fracture @  
1620', 1690', 1710' - lost complete returns (big cavity)  
MW 8.4#, 30 secs.

TD: 1783' Installing rotating head (63' = 3-1/4 hrs).  
1-29-78 Drilling; Start wtr pump on pit; drain wtr pump & steam  
line; Trip time; Thaw slips, tongs & elevators; Set plugs,  
#3 - 150 sx Class "G", 4% gel, 2% CaCl<sub>2</sub> @ 1780'; #4  
100 sx Class "G", 4% gel, 2% CaCl<sub>2</sub>, set @ 1129'; WOC;  
Load hole from top 105 bbls; Thaw & HU steam lines.

MW 8.5#, 38 secs.

TD: 1846' TOOH Prep to spot cmt plug #4. (63' - 2½ hrs).  
1-30-78 Thaw & Install rotating head; Trip; Drilling  
formation; Drilling cmt for lost circ control;  
WO cmt; Mix mud & LCM; RU Dowell; Cmt plug #3;  
Fill hole w/mud; Drilling out cmt plug #2; Had  
good returns to 1719' - lost total returns; Finished  
drilling cmt to 1783'; Drilling formation from 1783  
to 1836' w/o returns. TOOH @ 1846'; Prep to spot cmt  
plug #3. TIH w/open end DP to 1829' & RU Dowell.

Spotted cmt plug #3 - 100 sx of RFC - 12% D-53, w/3% CaCl, 10#/sx.  
Gilsonite & 1/4#/sx Celo-flake @ 1829' & pulled 4 stds to 1457'  
& pumped 75 sx - same cmt. Required 1500 psi to move cmt.  
Flush w/10 BW & POOH. Pumped 10 bbls of 8.5# mud in hole approx.  
30 min after spotting cmt. Spotted cmt plug #3 @ 6:00 PM, 1-29-78;  
WOC 6 hrs; Loaded Hole w/ approx 40 BM & TIH w/bit. Hit cmt  
bridge @ 1470' & cmt stringers from 1625 to 1700'. Drilling firm  
cmt from 1700 to 1740' w/full returns. Lost all returns @ 1740'  
& drilling cmt to 1783'. TOOH - prep to spot cmt plug #4.

CIGE #4-9-10-21

Bitter Creek Field TD: 2032'

Uintah County, Utah 1-31-78

AFE: 19362 WI: 100%

ATD: 6000' SD: 1-12-78

CIGE, Inc. Oper.

Anderson Drilling, Contr.

9-5/8" @ 200':

Drilling w/full returns (186' - 7-1/4 hrs).

RU Dowell to spot cmt plug #4. TIH w/DP open ended to 1780'. Pumped 50 sx RFC - 12% D-53, w/3% CaCl<sub>2</sub>, 10#/sx Gilsonite & 1/4# Celo-flake flushed w/5 BW. Pulled 3 stds to 1500' & pumped 125 sx same cmt flushed w/10 BW. PD @ 10:00 AM, 1-30-78. POOH w/DP & WOC 6 hrs. Loaded hole w/40 BW - fluid level @ 570'. Hole is full. TIH w/bit to 1500' - hit bridge. Drilling cmt stringers from 1500' to 1605'. Firm cmt 1605' - 1620'. Stringers 1620' - 1680'. Drilling firm cmt from 1680 to 1846' -

Full returns. Drilling formation @ 10:00 PM, 1-30-78. WO orders for cmt plug #4. Trip; Cmt w/Dowell; WOC; Drilling cmt; Drilling formation; Survey (1-3/4° - 1908').

MW 8.5, 32 secs.

TD: 2563' Drilling (531' - 23-3/4 hrs).  
2-1-78 Drilling; Survey (2249' - 1-3/4°). BGG 190 un, Conn 450 un. First gas show @ 2050'. Drilling w/full returns.

MW 8.8#, 34 secs.

TD: 3060' Drilling (497' - 23-1/4 hrs).  
2-2-78 Drilling; Survey (2-1/4° - 2563')(1-3/4° - 2844'); Serv rig; BGG 35 un, Conn 120 un; Drilling w/full returns; Drilling brk, 2590-2604', 3 MPF - 1 MPF. 2743-2770', 3 MPF - 2 MPF. 2943-2950', 3 MPF - 1 MPF, 3037-3060', 3 MPF - 1.5 MPF.

MW 8.5#, 30 secs.

TD: 3545' Drilling (485' - 22½ hrs).  
2-3-78 Drilling; Service rig, Check BOP; Start wtr pump on reserve; Survey (2° - 3310'); Rig repair, compound chains; BGG 50 un, CG 130 un; Drilling brk 3290-3307', 3433-34', 3441-49'.

MW 8.5#, 28 secs.

TD: 4106' Drilling (561' - 23-1/4 hrs).  
2-4-78 Drilling; Service rig; Survey (2-1/4° - 3874'); BGG 80 un, Conn gas 90 un.

MW 8.6#, 29 secs.

TD: 4309' Drilling (203' - 15 hrs).  
2-5-78 Drilling; Surveys (3874' - 2-1/4°)(4158' - 5°); Trip; LD 3 - 7" DC & PU 3 - 6-1/4" DC; Thaw wtr lines to brakes; Clean & fill mud tanks; Work on light plant; BGG 30 un max gas 100 un. Had wtr flow on trip w/3" stream - have flow shut off.

MW 9.0#, 48 secs, 8 cc.

TD: 4636' Drilling (327' - 23-1/4 hrs).  
2-6-78 Drilling; Survey (1° - 4309'); BGG 50 un, CG 200 un. Sample top of Wasatch @ 4530'.

MW 9.1#, 42 secs, 7 cc.

CIGE 4-9-10-21 (NBU)  
 Bitter Creek Field  
 Uintah County, Utah  
 AFE: 19362 WI: 100%  
 ATD: 6000' SD: 1-12-78  
 CIGE, Inc. Oper.  
 Anderson Drilling, Contr.  
 9-5/8" @ 200';

TD: 4897'  
2-7-78

Drilling (261' - 23 hrs).  
 Drilling; Serv rig; Survey (1° - 4819'); BGG 60  
 un, Conn 230 un. Drilling brk 4727-54'. GMPF - 2½  
 MPF. 4772-78', 6 MPF - 1½ MPF.

MW 9.3#, 38 secs, 6 cc.

TD: 5131' Drilling (234' - 23-3/4 hrs).  
2-8-78 Drilling; Service rig; BGG 40 un, Conn gas 130 un.

MW 9.5#, 41 secs, 5 cc.

TD: 5348'  
2-9-78

Drilling (217' - 23-3/4 hrs).

Service rig; BGG 70, CG 125; Drilling break:  
 5177'-5198', 5202'-5206', 70 - 360 - 100; Mud weight  
 was 9.4# when drilling break occurred.

MW 9.2#, 36 secs, 7 cc.

TD: 5620'  
2-10-78

Drilling (272' - 23½ hrs).  
 Drilling; Survey (1-1/4° - 5349'); Drilling brks  
 5468-75', no increase in gas. 5552-99', BGG 90 -  
 250 un.

MW 9.3#, 38 secs, 7 cc.

TD: 5810'  
2-11-78

Drilling (190' - 23-3/4 hrs).  
 Drilling; Rig serv; BGG 20 un, CG 24 un.

MW 9.5#, 38 secs, 5 cc.

TD: 5837'  
2-12-78

Screw on bit - prep to TIH. (27' - 3 hrs).  
 Drilling; circ - WO parts; TOOH; repair on  
 rotary table.

MW 9.4#, 38 secs, 6 cc.

TD: 6000'  
2-13-78

TOOH for logs. (163' - 17 hrs).  
 Drilling; Circ; TOOH for logs; Thaw Kelly.

MW 9.2#, 38 secs, 6 cc.

TD: 6000'  
2-14-78

Logging  
 TOOH for logs. RU Schl, GIH to 4133'. Hole bridged off.  
 RD Schl. TIH to circ & Cond. Mix mud. TOOH for logs.  
 RU Schl. Log well. Schl WLTD - 5993'.

MW 9.4#, 40 secs, 7 cc.

TD: 6000'  
2-15-78

Circ & cond hole.  
 TIH to circ & cond mud; Circ & cond hole; Pipe stuck;  
 Circ & cond hole; Short trip - 25 stds; Rig repair;  
 TIH; Wash 35' to btm; Circ & cond hole.  
 Cmt on location.

MW 9.2#, 40 secs, 8 cc.

CIGE 4-9-10-21 (NBU)  
 Bitter Creek Field  
 Uintah County, Utah  
 AFE: 19362 WI: 100%  
 ATD: 6000' SD: 1-12-78  
 CIGE, Inc. Oper.  
 Anderson Drilling, Contr.  
 9-5/8" @ 200';

TD: 5993' (Corrected TD)  
2-16-78 LD DP

Circ & cond; POOH; LD DC; Run 4½" csg 11.6#, N-80, 8 rd, R3, LT&C; Wash 10' to btm; Cmt w/1125 sx 50-50 Poz, 10% NaCl, 6% gel, 5#/sx Gilsonite; 600 sx RFC + 5#/sx Gilsonite; Displaced w/2% KCl wtr; Set slips & cut off csg; PD - 11:45 PM; RU to LD DP; LD DP; Had cmt to surface; Expect to release rig @ noon.

TD: 6000' WOC

2-17-78 MORT - rig released 12:00 Noon, 2-16-78.

2-18-78 MORT

2-19-78 MORT

2-20-78 MORT

2-21-78 MORT.

TD: 6000' WOC

2-22-78 Transfer to back page.

TD: 5993'

PBTD: 5921' Last report was 2-22-78 - WOC.

3-8-78 WO completion.

RU Welex. Ran CBL- Collar Log 5921' to 300'. Good bond from 5921' to 1030'. Cmt circ. Bond log cmt top @ 1030'.

3-9-78 WOC

3-10-78 WOC - Transfer to back page.

TD: 5993'  
 PBTD: 5921'  
3-22-78

Flowing to pit, on 20/64" ck. Flowing acid & load wtr. NU Dowell & test 4½" Csg to 6500 psi. RU Welex & perf 4½" csg w/1 JSPF w/3-1/8" csg gun @ the following Welex cmt bond log depths (log dated 3-7-78); 4568', 4570', 5179', 5183', 5187', 5193', 5473', 5475', 5558', 5561', 5571', 5583', 5585', 5587', 5847', 5848', 5849', 5913', 5915', 5918'. Total 20 holes. RU Dowell & acidized perfs w/3500 gal 15% MSR-100 acid w/50 RCN ball sealers. Balled out w/12 bbls acid in formation. Held 6500 psi for 30 min. Back flowed to pit to release ball sealers. SD for 1hr. Displaced remainder of acid into formation w/2% KCl wtr displacement. Rate 6 BPM @ 3500 psi. ISIP 2600 psi, 10 min 1800 psi, 15 min 1700 psi. Opened to pit on 20/64" ck. Flowed on full 2" stream. left open overnite.

3-23-78 Flowing to pit.  
 FCP 300#, on 20/64" ck. 400 MCFD dry.

3-24-78 Well SI - WO Frac & FPC approval.

3-25-78 SI

3-26-78 SI

3-27-78 SICP 2400#.

3-28-78 SICP 2150#. WO pipeline & FPC approval

CIGE 4-9-10-21 (NBU)  
 Bitter Creek Field  
 Uintah County, Utah  
 AFE: 19362 WI: 100%  
 ATD: 6000' SD: 1-12-78  
 CIGE, Inc., Oper.  
 Anderson Drilling, Contr.  
 9-5/8" @ 200'; 4 1/2" @ 6000'

TD: 5993'  
 PBTB: 5921'  
3-29-78 SICIP 2150#. WO frac & FPC approval for sales.  
3-30-78 SI WO frac & FPC approval . . .  
 SICIP 2250#. CIG laying flow line from well to sales.

3-31-78 SI WO frac & FPC approval.

4-1-78 SI MI frac tanks.  
 SICIP 2200#. WO frac.

4-2-78 SI WO frac.

4-3-78 SI WO frac.

4-4-78 Prep to frac well this AM w/Western.

4-5-78 Flowing to pit.  
 Open to pit @ 7 AM, 4-5-78. FTP 500 psi, on 15/64" ck.  
 Flowing frac wtr to pit - Est 50 BPH. Open TP 600 psi.

4-6-78 Flow to pit on 15/64" ck.  
 FCP 850#, Est 750 MCFD + 200 BW.

4-7-78 Flowing well to pit on 15/64" ck.  
 FCP 1750#. Volume 750 MCFD + 50 BW (Est).

4-8-78 Flowing to pit.

4-9-78 Flowing to pit.

4-10-78 Flowing to pit.  
 FCP 1900, on 15/64" ck.  
 25 BWPB, 750 MCFD.

4-11-78 RU Sun; Run SLM tp 5675'; Btm perf @ 5918'; MI WO Rig;  
 Prep to CO to PBTB.

4-12-78 Released WO rig; SI well; Will tube @ later date  
 SICIP 2000#, WO FPC Approval. Ready to turn to sales  
 when FPC OK is received. Transfer to back page.

TD: 5993' Last report was 4-12-78.

PBTB: 5921'

4-18-78 Flowing to pit.  
 Open to pit @ 7 AM, 4-5-78. FTP 500 psi, on 15/64"  
 ck. Flowing frac wtr to pit - Est 50 BPH. Open TP  
 600 psi.  
 On 4-4-78, fraced w/Western 144,000 gal 2% KCl gel &  
 218,000# 20/40; 160,000# 10/20 & 54,000# 40/60 & displaced  
 w/2% KCl wtr. Treated down 4 1/2" csg. ARO 42 BPM @ 3900 psi.  
 Max rate 53 BPM @ 5000 psi. ISIP 1550 psi. Started 9:50  
 AM, finished 12:00 Noon, 4-4-78. RA snd added thru out  
 job. Treated 20 perf from 4568-5918'.  
 WO FPC approval. Transfer to back page.

TD: 5993' SI for 9 days for Mountain Fuel pipe repairs.  
 PBTB: 5921' Returned to sales 6-20-78. Drop from report.

6-21-78

CIGE 4-9-10-21 (NBU)

Bitter Creek Field

Uintah County, Utah

AFE: 19362 WI: 100%

ATD: 6000' SD: 1-12-78

CIGE, Inc., Oper.

Anderson Drilling, Contr.

9-5/8" @ 200'; 4½" @ 6000'

Gross Perf Int: 4568'-5918'

(20 holes).

TD: 5993'

PBTD: 5931'

6-21-786-22-78

Last report was 6-21-78

Put on production @ 1 PM, 6-20-78.

FCP 2200#, on 8/64" ck w/878 MCFD + 3 BW.

Flowing to sales.

FCP 2000 psi, on 16/64" ck.

2.2 MMCFD + 3 BWPD.

Drop from report.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

(See other instructions on reverse side)

Budget Bureau No. 42-B355.5

5. LEASE DESIGNATION AND SERIAL NO.

U-01416

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 4-9-10-21

10. FIELD AND POOL, OR WILDCAT

BITTER CREEK FIELD

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

SECTION 9, T10, S, 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

CIG EXPLORATION, 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)

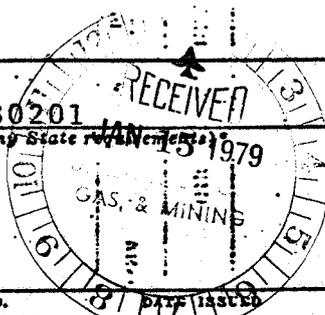
At surface 2102' FSL 7 679' FEL

At top prod. interval reported below  
SAME AS ABOVE

At total depth  
SAME AS ABOVE

14. PERMIT NO.  
43-047-30334

DATE ISSUED  
11-28-77



15. DATE SPUDDED 1-12-78	16. DATE T.D. REACHED 2-12-78	17. DATE COMPL. (Ready to prod.) 6-20-78	18. ELEVATIONS (DP, REB, RT, GR, ETC.)* 5106 UNGR. GR.	19. ELEV. CASINGHEAD - UNKNOWN
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20. TOTAL DEPTH, MD & TVD 5993	21. PLUG, BACK T.D., MD & TVD 5921	22. IF MULTIPLE COMPL., HOW MANY* ---	23. INTERVALS DRILLED BY →	ROTARY TOOLS 1200' - TD	CABLE TOOLS 0 - 200'
-----------------------------------	---------------------------------------	--	-------------------------------	----------------------------	-------------------------

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)\*  
4568 - 5918 WASATCH

25. WAS DIRECTIONAL SURVEY MADE  
YES

26. TYPE ELECTRIC AND OTHER LOGS RUN  
DIL - CNL - FDC

27. WAS WELL CORED  
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#	200'		110sx CLS "G"	-
4 1/2"	11.6#	6000'		1125sx	-

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"	5061'	-

31. PERFORATION RECORD (Interval, size and number)	32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.						
4568, 4570, 5179, 5183, 5187, 5193, 5473, 5475, 5558, 5561, 5571, 5583, 5585, 5587, 5847, 5848, 5849, 5913, 5915, 5918 - 1 SPF (20 Holes)	<table border="1"> <thead> <tr> <th>DEPTH INTERVAL (MD)</th> <th>AMOUNT AND KIND OF MATERIAL USED</th> </tr> </thead> <tbody> <tr> <td>4568 - 5918</td> <td>ACID: 3500 Gal 15% MSR-100</td> </tr> <tr> <td>4568 - 5918</td> <td>FRAC: 144,000 Gal Fluid, 218,000# 20/40, 160,000# 10/20, 54,000# 40/60</td> </tr> </tbody> </table>	DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED	4568 - 5918	ACID: 3500 Gal 15% MSR-100	4568 - 5918	FRAC: 144,000 Gal Fluid, 218,000# 20/40, 160,000# 10/20, 54,000# 40/60
DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED						
4568 - 5918	ACID: 3500 Gal 15% MSR-100						
4568 - 5918	FRAC: 144,000 Gal Fluid, 218,000# 20/40, 160,000# 10/20, 54,000# 40/60						

33. PRODUCTION

DATE FIRST PRODUCTION 6-20-78	PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) FLOWING	WELL STATUS (Producing or shut-in) PRODUCING					
DATE OF TEST 6-21-78	HOURS TESTED 24	CHOKED SIZE 16/64	PROD'N. FOR TEST PERIOD →	OIL—BBL. -	GAS—MCF. 2200	WATER—BBL. 3. BWPD	GAS-OIL RATIO -
FLOW. TUBING PRESS. -	CASING PRESSURE 2000	CALCULATED 24-HOUR RATE →	OIL—BBL. -	GAS—MCF. 2200	WATER—BBL. 3 BWPD	OIL GRAVITY-API (CORR.) -	

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)  
SOLD

TEST WITNESSED BY  
K. E. ODEN

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

SIGNER: R. G. Merrill TITLE: Sr. Petroleum Engineer DATE: 1-12-79

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

**General:** This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on items 22 and 24, and 33, below regarding separate reports for separate completions.

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

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

Item 19: Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments. Items 22 and 24: If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

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

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	MEAS. DEPTH	TRUE VERT. DEPTH
38. GEOLOGIC MARKERS						
				GREEN RIVER	1330	
		NO CORES OR DST'S		WASATCH	4537	

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

Federal Energy Regulatory Commission  
825 North Capitol Street, N.E.  
Washington, D.C. 20426

Docket No. UC 833-9

FINAL DETERMINATION BY THE OIL AND GAS SUPERVISOR UNDER THE NATURAL GAS POLICY ACT OF 1978 (NGPA)

A final category determination is set forth below pursuant to the provisions of the NGPA for certain Federal lease gas as requested in application received on 2-29-79 and filed by Gas Producing Enterprises

For the onshore:

Well Name and No.: Natural Buttes 4-9-10-21  
Sec., T. and R.: Sec. 9, T10S, R21E  
API No.: 43-047-30334  
Reservoir: Wasatch  
Lease No.: U-01416  
County and State: Uintah, Utah

For the OCS:

Lease and Well **RECEIVED**  
Block: \_\_\_\_\_  
API No: MAR 17 1980  
Reservoir: \_\_\_\_\_  
Nearby State: DIVISION OF OIL, GAS & MINING

Category determination requested: Section 102 (c) (1) (C)

Final category determination: Approved as requested \_\_\_\_\_ Negative determination X

Remarks: There is no evidence that part of the producing zone (5561') is not the same as producing in Tenneco Oil Co.-#1 located in SE 1/4 Sec. 16, T10S, R21E, Uintah, Utah.

In accordance with the requirements of 18 CFR 274.104, the following information and reference materials will be submitted to the FERC with this final determination:\*

1. List of participants including the applicant and all parties submitting comments on the application.  
Gas Producing Enterprises, Inc.
2. A statement on any matter opposed. \_\_\_\_\_
3. A copy of the application. Also, a copy of any other materials in the record used in the determination together with any information inconsistent (or possibly inconsistent) with the determination, which includes: \_\_\_\_\_
4. All materials required under 18 CFR 274, Subpart B, and all other record materials (and portions of record materials) used in the determination process are enclosed.
5. An explanatory statement summarizing the basis for the determination is enclosed.
6. For a New Onshore Production Well determination involving 18 CFR 271.305(b) or (c), a finding as to the necessity of the well is enclosed.

A final jurisdictional agency determination is hereby made that the Federal lease natural gas referred to above ~~does~~ does not qualify as natural gas produced from a New Onshore Reservoir in accordance with the applicable provisions of the NGPA.

Any person may object to this final determination by filing a protest with the FERC within 15 days after this determination is published by the FERC in the Federal Register in accordance with 18 CFR Part 275.

Name: C. J. Curtis Title: Area Oil & Gas Supervisor  
Signature: R. M. Casey NRMA  
Date: 3-14-80 Phone number: (307) 265-5550 ext. 5405 Address: P. O. Box 2859  
Casper, WY 82602

\*In the case of a negative determination, only a copy of the negative determination and a copy of Form FERC 121 will be forwarded to FERC. If the applicant or any aggrieved party so requests within 15 days of making such a determination, all information referenced in 1 through 6 will be forwarded within 20 days following the determination to the FERC in accordance with 18 CFR 274.104(b).

cc: Applicant Public Info. File Co-lessees  
Purchaser(s) Lease File New Reservoir  
NGPA File Comments State File

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: 2102' FSL & 679' FEL  
AT TOP PROD. INTERVAL: SAME  
AT TOTAL DEPTH: SAME

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

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

*Approved  
Denied*

5. LEASE  
U-01416

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 4-9-10-21

10. FIELD OR WILDCAT NAME  
Natural Buttes Field

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
Section 9-T10S-R21E

12. COUNTY OR PARISH Utah 13. STATE Utah

14. API NO.  
43-047-30334

15. ELEVATIONS (SHOW DF, KDB, AND WD)  
5106' Ungr. Gr.

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

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

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.

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

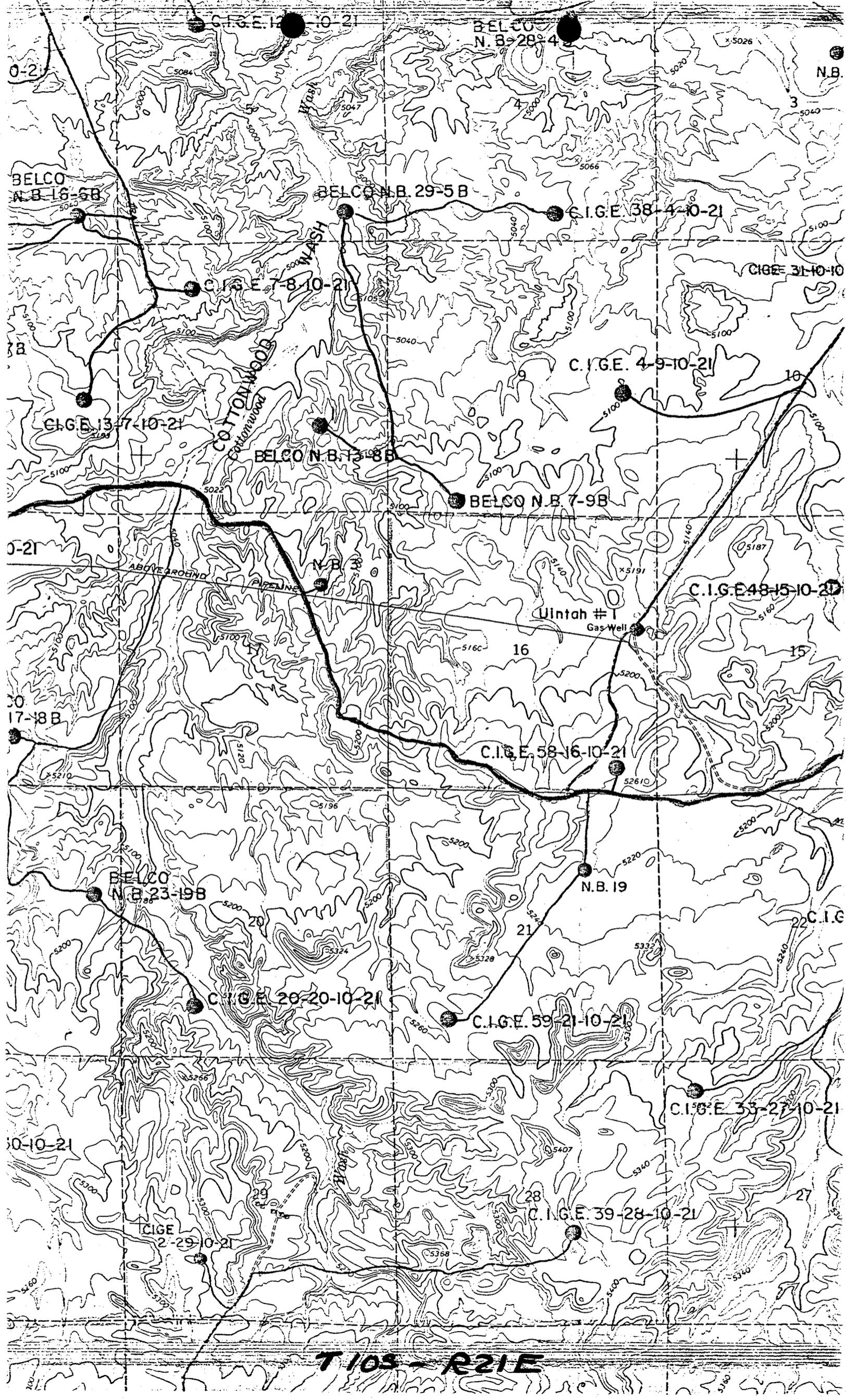
Subsurface Safety Valve: Manu. and Type \_\_\_\_\_ Set @ \_\_\_\_\_ Ft.

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

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

(This space for Federal or State office use)

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



T 105 - R 21 E

WELL TEST DATA FORM

FIELD CODE <b>560-01-11</b>	FIELD NAME <b>NATURAL BUTTES, UT</b>	OPERATOR CODE <b>2200</b>	OPERATOR NAME <b>CIG EXPLORATION INC</b>	WELL NAME <b>CIGE 4-9-10-21</b>
WELL CODE <b>3</b>	LOCATION SECT. TWNHP/BLK RGE/SUR. <b>9 10S 21E</b>	PANHANDLE/REDCAVE SEQ. NUMBER <b>01000</b>	K-FACTOR <b>01000</b>	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 TSG/CSG PRESSURE	FLOWING STRING														
MO.	DAY	YR.		MO.	DAY										YR.	TUBING	CASING												
11-12	13-14	15-16	17-18	19-20	21-22	23	27	28	32	33	38	39	42	43	45	46	51	52	55	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 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
02	14	84	02	21	84	01	000	2	067	0.5073	0	0	608	100	0	5070	0	0670	085	0	0	0	0	0	0	0	0	0	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.
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.	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										
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 X X X X	X	X X X	E	E											
02	21	84	02	24	84	00	7380	00	7340	627	1	9950	5061	0	608														

METER STAMP	25344 01000	REMARKS:
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CIG: *H.K. Nash*

OPERATOR: *C.L. Webb*

COMMISSION:

**COLORADO INTERSTATE GAS COMPANY  
WELL TEST DATA FORM**

**STATE COPY**

WELL CODE <b>300-01-11</b>	FIELD NAME <b>NATURAL BUTTES, UT</b>	OPERATOR CODE <b>2200</b>	OPERATOR NAME <b>CIG EXPLORATION INC</b>	WELL NAME <b>CIGE 4-9-10-21</b>
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WELL CODE <b>3</b>	SECT. <b>9</b>	LOCATION <b>LJS</b>	RGE/SUR. <b>2LL</b>	PANHANDLE/REDCAVE <b>01000</b>	SEQ. NUMBER <b>01000</b>	K-FACTOR <b>01000</b>	FORMATION <b>KASATCH SA FLOW TEST</b>
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WELL ON (OPEN)												FLOW TEST																	
MO.			DATE (COMP.)			ORIFICE SIZE		METER RUN SIZE		COEFFICIENT		GRAVITY (SEP.)		METER DIFF. RANGE		METER PRESSURE		DIFFERENTIAL ROOTS		METER TEMP.		WELL HEAD TEMP.		FLOWING TBG/CSG PRESSURE		STATIC TSG/CSG PRESSURE		FLOWING STRING 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
XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX
07	13	83	07	22	83	01	000	0	001	05075	0	603	100	60711	0						177				01008	01035	0	X	X

WELL-OFF (SHUT-IN)						SHUT-IN TEST										TO THE BEST OF MY KNOWLEDGE THE ABOVE DATA IS CORRECT.				
MO.			DATE			CASING PRESSURE (PSIG)		TUBING PRESSURE (PSIG)		SLOPE		EFFECTIVE DIAMETER		EFFECTIVE LENGTH		GRAVITY (RAW GAS)		EST CSG PRESS	EST TBG PRESS	
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	XX	XX	XX	X	XX	XX	XX	XX	XX	XX	X	XX	E	E
07	23	83	07	26	83	01000	01000			627	1	9950	50610	603						

METER STATION: **253407 01000**

REMARKS: *Gas measurement will verify diff. Extended test 2 days. Compressor problems!*

CIG: *H.K. Mack*  
 OPERATOR: *Clayton Webb*  
 COMMISSION: \_\_\_\_\_

COLORADO INTERSTATE GAS COMPANY

WELL TEST DATA FORM

STATE COPY

FIELD CODE <b>01-11</b>	FIELD NAME <b>NATURAL BUTTES, UT</b>	OPERATOR CODE <b>2200</b>	OPERATOR NAME <b>CIG EXPLORATION INC</b>	WELL NAME <b>CISE 4-9-17-21</b>
CODE <b>25344</b>	SECT. TWNSHP/BLK <b>9 10S 21E</b>	LOCATION <b>10S 21E</b>	PANHANDLE/REDCAVE <b>WASATCH SA</b>	FORMATION <b>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 TSG/CSG PRESSURE		FLOWING STRING			
MO.	DAY	YR.	MO.	DAY	YR.	23	27	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
08	24	82	08	31	82	01	000	0	057	0	030	0	060	1	00650	0	0315	0	085									

WELL-OFF (SHUT-IN)												SHUT-IN TEST										SLOPE		EFFECTIVE DIAMETER		EFFECTIVE LENGTH		GRAVITY (RAW GAS)		EST CSG PRESS		EST TBG PRESS	
DATE			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	54	55	54	55										
X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	E	E	E	E										
08	31	82	09	03	82	00824	0	00824	0	527	1	195	5051	0	0601																		

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

CIG: H.K. Nigley

OPERATOR: BO Schatz

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

**25344 01000**

REMARKS:

**COLORADO INTERSTATE GAS COMPANY  
WELL TEST DATA FORM**

STATE COPY

FIELD CODE <b>560-01-11</b>			FIELD NAME <b>NATURAL BUTTES</b>						OPERATOR CODE <b>2200</b>		OPERATOR NAME <b>CIG EXPLORATION INC</b>						WELL NAME <b>CIGE 4-9-10-21</b>			
WELL CODE <b>25344</b>		SECT <b>9</b>		LOCATION TWN <sup>7</sup> SH <sup>7</sup> P/BLK <b>10S</b>		RGE/SUB <b>21E</b>		PANHANDLE/REDCAVE 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/PSG PRESSURE		STATIC TSG/PSG PRESSURE		FLOWING STRING TUBING CASING			
MO.	DAY	YR.	MO.	DAY	YR.	23	27	28	32	33	38	39	42	43	45	46	51	52	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	
09	22	81	09	29	81	01	375	2	067						0	603	100	00702	0	01	80	076	00716	0	00750	0	X	X

WELL-OFF (SHUT-IN)												SHUT-IN TEST										TO THE BEST OF MY KNOWLEDGE THE ABOVE DATA IS CORRECT.	
DATE			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	X	E	E		
06	15	81	06	18	81	00	840	0	00832	0	627	1	9950	7000	0	603							

CIG: H.K. Wash  
 OPERATOR: \_\_\_\_\_  
 COMMISSION: \_\_\_\_\_

METER STAMP	<b>25344</b>	<b>01375</b>	REMARKS:
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COLORADO INTERSTATE GAS COMPANY

WELL TEST DATA FORM

STATE COPY

FIELD CODE 0-01-11			FIELD NAME NATURAL BUTTES					OPERATOR CODE 2200		OPERATOR NAME CIG EXPLORATION INC					WELL NAME CIG 4-9-10-21				
WELL CODE 344	SECT.	LOCATION TWN/SH/BLK 10S 21E		PANHANDLE/REDCAVE SEQ. NUMBER 01375		K-FACTOR		FORMATION SASATCH S 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 TSG/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	
08	26	80	09	02	80	01	375	2	067			1		00493	0	05	45	070		00825	0	00880	0					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	TO THE BEST OF MY KNOWLEDGE THE ABOVE DATA IS CORRECT.					
MO.	DAY	YR.	MO.	DAY	YR.	23	28	29	34	35	38	39	44	45	49	50	53	54	55	TO THE BEST OF MY KNOWLEDGE THE ABOVE DATA IS CORRECT.				
X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	E	E	TO THE BEST OF MY KNOWLEDGE THE ABOVE DATA IS CORRECT.				
			08	26	80	0084	0	01090	0	624	1	0950	7000							CIG: <i>L. K. Nash</i>				
																			OPERATOR:					
																			COMMISSION:					

REMARKS:

25344 01375

**COLORADO INTERSTATE GAS COMPANY  
WELL TEST DATA FORM**

STATE COPY

FIELD CODE 11-01-11	FIELD NAME NATURAL BUTTES AREA	OPERATOR CODE 2200	OPERATOR NAME CIG EXPLORATION INC.	WELL NAME CIG 4-9-10-21
CODE 7	LOCATION TWN/SH/BLK 10S 21E	RGE/SUR. 9	PANHANDLE/REDCAVE SEQ. 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/GGG PRESSURE		STATIC TSG/CSG PRESSURE		FLOWING STRING TUBING		CASING				
MO.	DAY	YR.	MO.	DAY	YR.	23	24	25	26	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	
10	30	79	11	16	79	23	24	25	26	27	32	33	38	39	42	43	45	46	51	52	55	56	58	59	61	62	67	68	73	74	75	

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: _____ OPERATOR: _____ COMMISSION: _____					
PRESSURE TAKEN			DATE			CASING PRESSURE (PSIG)		TUBING PRESSURE (PSIG)																			
MO.	DAY	YR.	MO.	DAY	YR.	23	24	25	26	27	28	29	30	34	35	38	39	44	45	49	50		53	54	55		
X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	E	E		
10	29	79	01	50	79	01	50	01	50	01	50	01	50	01	50	01	50	01	50	01	50	01	50	01	50		

25344 00750

REMARKS:

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

Natural Duck

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

Natural Buttes

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

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

Highland (Coastal Operated)

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

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

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

RECEIVED  
FEB 14 1961

DIVISION OF  
OIL, GAS & MINING

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

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

105, 21E, 9 30334

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

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

COGC NBU #11-14-9-20

Bluebell (Coastal Operated)

Asay

Powell Fee #3

Powell Fee #4

Ute Tribal #1-31

Powell Fee #3 SWD

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

NOV 20 1995

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

**SUNDRY NOTICES AND REPORTS ON WELLS**

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

5. Lease Designation and Serial No.

U-01416

6. If Indian, Alottee or Tribe Name

N/A

7. If Unit or CA, Agreement Designation

Natural Buttes Unit

8. Well Name and No.

CIGE #4-9-10-21

9. API Well No.

43-047-30334

10. Field and Pool, Or Exploratory Area

Natural Buttes

11. County or Parish, State

Uintah County, Utah

**SUBMIT IN TRIPLICATE**

1. Type of Well

Oil Well  Gas Well  Other

2. Name of Operator

Coastal Oil & Gas Corporation

3. Address and Telephone No.

P. O. Box 749, Denver, CO 80201-0749 (303) 573-4476

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

2102' FSL & 679' FEL  
Section 9, T10S-R21E

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

TYPE OF SUBMISSION

TYPE OF ACTION

Notice of Intent  
 Subsequent Report  
 Final Abandonment Notice

Abandonment  
 Recompletion  
 Plugging Back  
 Casing Repair  
 Altering Casing  
 Other CO, acidize, lower tubing, install lift

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

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

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

Please see the attached procedure to clean out to PBTD, acidize existing Wasatch perforations, lower tubing, and install plunger lift equipment.

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

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

Signed

*Bonnie Carson*  
Bonnie Carson

Title Sr. Environmental & Safety Analyst Date

11/16/95

(This space for Federal or State office use)

APPROVED BY

Title

Date

Conditions of approval, if any:

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

\*See Instruction on Reverse Side

**CIGE #4** *down 9/26/95*  
Natural Buttes Field  
Section 9-T10S-R21E

**WELL DATA:**

Location: 2102' FSL 679' FEL Sec. 9 T10S-R21E  
Elevation: 5106' GR, 5118' KB  
Total Depth: 5993'  
Plugged Back Total Depth: 5921'  
Casing: 9-5/8" OD, 36# K-55 ST&C @ 200' w/110 sx  
4-1/2" OD, 11.6# N-80 LT&C @ 5993' w/1125 sx  
Tubing: 2-3/8" OD, 4.7# J-55 @ 5061'  
Formation: Wasatch (4568'-5918' - 20 holes)

**PROCEDURE:**

1. MI & RU. Kill well w/3% KCl water. ND WH. NU BOP. POOH w/2-3/8" tubing.
2. RIH w/tubing and hydrostatic bailer to cleanout to PBTD @ 5921'.  
NOTE: WLS @ 5610'.  
*spot acid across and*
3. RU service company to <sup>A</sup>breakdown perf's w/1000 gallons 15% HCL acid. RD service company, swab and flow back acid to cleanup.
4. RIH w/2-3/8" tubing to 5891' (new EOT). Install plunger lift stop via WL. ND BOP. NU WH. RD & MO. Complete installation of plunger lift equipment.
5. After returning the well to sales line, obtain rates and pressures.

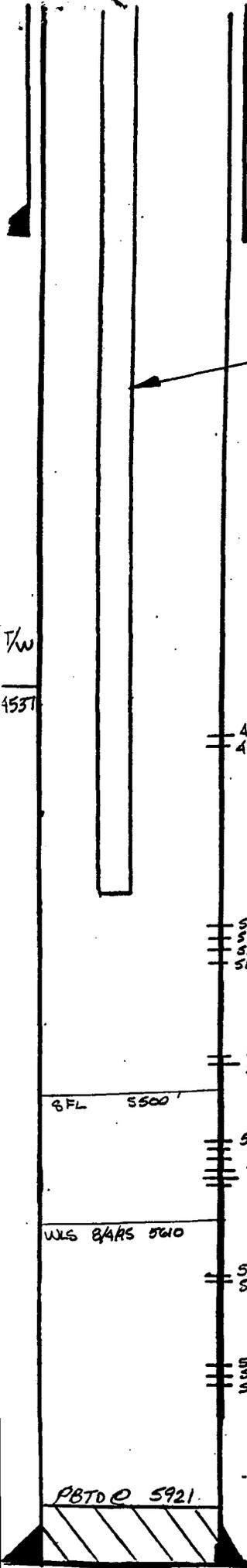
Rate prior to WO (5/24/95): 349 MCF on 16/64" choke (FTP 325#, CP 525#, LP 268#).

WELL C162 7 7-10-21  
 LOCATION 2102' FSL 679 FEL Sec 9 T10S R21E

KB. 5118' GR 5106'  
9 5/8" OD 36 LB. K-55 CSG. W/ 110 SY  
 TOC @ \_\_\_\_\_

9 5/8" @ 200'  
4 1/2" OD 11.6 LB. N-80 CSG. W/ 1125  
 TOC @ 1030'

2 3/8" o.d., 4.7#, J-55 @ 5061



4568  
4570

5179  
5183  
5187  
5193

5473  
5475

BFL 5500'

5558  
5561  
5571  
5583  
5585  
5587

WLS BARS 5710

5848  
5849

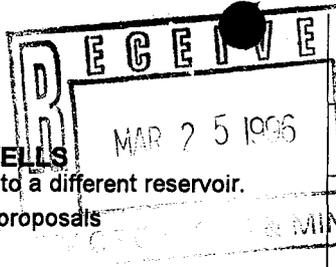
5913  
5915  
5918

PBD @ 5921

4 1/2 @  
5993

(6/78) wasatch (4668 - 5918, 20 holes) mp 5243  
 Perf w/ 3 1/8" c gun (1 JSPP) 4568, 4570, 5179, 5183, 5187, 5193, 5473, 5475  
 5558, 5561, 5571, 5583, 5585, 5587, 5848, 5849, 5913, 5915, 5918  
 BD w/ 3500 gal 15% MSR ACID IPF 400 MCF on 20/64" CWK FCP 2000#  
 FRAC w/ 432,000# sand + 144,000 gal Gel  
 IPF 2200 MCF + 3BW on 16/64" CWK FCP 2000#

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT



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

**SUNDRY NOTICES AND REPORTS ON WELLS**

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

Use "APPLICATION FOR PERMIT" - for such proposals

5. Lease Designation and Serial No. **U-01416**

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

7. If Unit or CA, Agreement Designation **Natural Buttes Unit**

8. Well Name and No. **CIGE #4-9-10-21**

9. API Well No. **43-047-30334**

10. Field and Pool, Or Exploratory Area **Natural Buttes**

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

**SUBMIT IN TRIPLICATE**

1. Type of Well  
 Oil Well  Gas Well  Other

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

3. Address and Telephone No.  
**P. O. Box 749, Denver, CO 80201-0749 (303) 573-4476**

4. Location of Well (Footage, Sec., T., R., M., Or Survey Description)  
**2102' FSL & 679' FEL  
Section 9, T10S-R21E**

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

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

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

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

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

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

Signed Bonnie Carson Title Sr. Environmental & Safety Analyst Date 03/21/96

**Bonnie Carson**

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_ Title \_\_\_\_\_ Date 8/2/96

Conditions of approval, if any:

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## COASTAL OIL &amp; GAS CORPORATION

CHRONOLOGICAL REPORT

CIGE #4 (CO, Acidize, Lwr Tbg, Instl PLE)

Page 1

NATURAL BUTTES FIELD

UINTAH COUNTY, UTAH

WI: 100%

TD: 5993' PBD: 5921'

4-1/2' @ 5993'

Perfs: 4568'-5918'

- 02/02/96 MIRU Colorado Well Service Rig #33. Pump 30 bbls 3% Kcl, Kill well - RD tree - RU BOPs - well start to kick - pump 50 bbls 3% Kcl. POOH 2-3/8" tbg SLM PU - RIH stroke bailer & 3-7/8" blade bit on 2-7/8" tbg to 4500' ±. SDFN.  
DC: \$4,053 TC: \$4,053
- 02/03/96 SICP 350 psi. Thaw out pump. Blow down & kill well w/60 bbls 3% Kcl wtr. Finish RIH w/bit & stroke bailer. Tag fill @ 5588', CO to 5641'. POH above perfs. SDFN.  
DC: \$5,607 TC: \$9,660
- 02/04/96 SICP 450 psi. Blow down & kill well w/40 bbls 3% KCl. RIH w/bit & stroke bailer, tag fill @ 5635' (30' fill over night) bailer plugged. POH & LD bit & stroke bailer, tag fill @ 5613'. CO to 5693', bailer quit. POH & empty bailer. Start RIH w/hydrostatic bailer. SDFN.  
DC: \$5,460 TC: \$15,120
- 02/05/96 Finish RIH w/hydrostatic bailer, tag fill @ 5663', CO to 5736'. POH & empty bailer. RIH, tag fill @ 5726', CO to 5802'. POH & empty bailer. RIH, tag fill @ 5790', CO to PBD 5950'. POH above perfs (21 stands) SDFN.  
DC: \$3,450 TC: \$18,570
- 02/06/96 RIH 21 stds tbg, tag fill @ 5860'. POH & empty bailer. RIH w/hydrostatic bailer, CO sand bridge @ 5860' to 5868'. RIH to PBD @ 5950'. POH. Empty & LD bailer. Start RIH & broach prod tbg. SDFN.  
DC: \$4,220 TC: \$22,790
- 02/07/96 Finish RIH & broach prod tbg - 189 jts landed @ 5891' w/notched clr on btm & SN 1 jt up @ 5860'. ND BOP. NU WH. RD & MO Colorado Well Service Rig #33. RU B-J spot 1000 gal 15% HCl across perfs, let acid soak 3 hrs. Instl plunger lift. MIRU Delsco Swbg rig. Made 9 swb runs, recover 52 BW, 1 FL 4000', FFL 4400', SICP 100 psi. Gas cut fluid, no blow. SDFN.  
DC: \$10,920 TC: \$33,710
- 02/08/96 SITP 0 psi, SICP 0 psi. Tag fluid @ 4300'. Make 15 swab runs - flowed 5-15 min after last 5 runs. FFL 4000', FTP 0 psi, FCP 380 psi. Swab back 60 bbls. 112 total bbls swabbed. SDFN  
DC: \$1,435 TC: \$35,145
- 02/09/96 SITP 160 psi, SICP 400 psi. Blow tbg down in 2 min. Made 11 swab runs, recovered 50 bbls, then would flow 5-20 min after swab run, then die. Tried to bring up plunger, would not come. SFL 4300', FFL 5000'  
DC: \$1,531 TC: \$36,676
- 02/10/96 SITP 0 psi, SICP 400 psi. Open well to pit. Plunger came up 3 times, then died. Made 1 swab run, recovered total of 40 bbls. Plunger came up 3 more times, SFL 5000'. Put well back on prod @ 4 PM. Flowing 138 MMCF, 19 BW, 125 TP, 290 CP, on 14/64" chk. 17 hrs flow.  
DC: \$1,323 TC: \$37,999
- 02/11/96 Flowing 205 MMCF, 13 BW, 175 TP, 340 CP, on 22/64" chk. 20 hrs flow.

02/12/96 Flowing 174 MMCF, 19 BW, 180 TP, 300 CP, on 20/64" chk. 16 hrs flow.  
02/13/96 Flowing 234 MMCF, 17 BW, 180 TP, 300 CP, on 20/64" chk. 19.75 hr flow  
02/14/96 Flowing 319 MMCF, 15 BW, 160 TP, 325 CP, on 23/64" chk. 21.50 hr flow  
02/15/96 Flowing 338 MMCF, 15 BW, 120 TP, 310 CP, on 23/64" chk. 21.50 hr flow  
02/16/96 Flowing 332 MMCF, 15 BW, 120 TP, 310 CP, on 30/64" chk. 21 hr flow  
02/17/96 Flowing 362 MMCF, 14 BW, 140 TP, 310 CP, on 30/64" chk. 19 hr flow  
02/18/96 Flowing 357 MMCF, 10 BW, 225 TP, 300 CP, on 30/64" chk. 21 hr flow.  
**Final Report**

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.

SUBMIT IN TRIPLICATE - Other instructions on reverse side

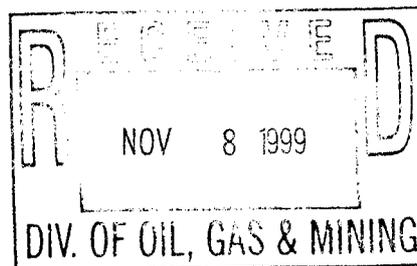
1. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other		5. Lease Serial No. U- 01416
2. Name of Operator Coastal Oil & Gas Corporation		6. If Indian, Allottee or Tribe Name N/A
3a. Address P.O. Box 1148, Vernal UT 84078	3b. Phone No. (include area code) (435)781-7023	7. If Unit or CA/Agreement, Name and/or No. N/A
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) NE/NW Sec. 9, T10S, R21E 2102' FSL & 679' FEL		8. Well Name and No. Cige #4
		9. API Well No. 43-047-30334
		10. Field and Pool, or Exploratory Area Natural Buttes Field
		11. County or Parish, State Uintah 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 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 <u>Workover</u>
	<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 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 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 final site is ready for final inspection.)

Please see attached Chronological Workover Report.



14. I hereby certify that the foregoing is true and correct Name (Printed/Typed) Katy Dow	Title Environmental Secretary
<i>Katy Dow</i>	Date 11/3/99

**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	

COASTAL OIL & GAS CORPORATION  
PRODUCTION REPORT

CHRONOLOGICAL REPORT

**CIGE #4**

Page 1

NATURAL BUTTES FIELD  
UINTAH COUNTY, UTAH

WI: 100%

TD: 5993' PBSD: 5921'

4-1/2' @ 5993'

Perfs: 4568'-5918'

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DC: \$4,053 TC: \$4,053

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DC: \$10,920 TC: \$33,710

02/08/96 SITP 0 psi, SICP 0 psi. Tag fluid @ 4300'. Make 15 swab runs - flowed 5-15 min after last 5 runs. FFL 4000', FTP 0 psi, FCP 380 psi. Swab back 60 bbls. 112 total bbls swabbed. SDFN  
DC: \$1,435 TC: \$35,145

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02/18/96 Flowing 357 MMCF, 10 BW, 225 TP, 300 CP, on 30/64" chk. 21 hr flow.

**Final Report**

AFE# 18976

**CLEAN OUT W/AIR FOAM & ACIDIZE**

10/17/99 RD & MO TWS #1 ON NBU #12, ROAD RIG TO CIGE #4. MI & RU TWS #1 P.U. SICP -160 PSI FTP-128 PSI. BLOW WELL DN. ND W.H. & NU BOPS. RU FLOOR & TBG EQUIP. P.O.O.H. W 2 3/8" TBG LD NC & PU 3 7/8" MILL. R.I.H. W/ 2 3/8 " TBG & SLM IN. E.O.T. 4473'. HOOK UP FLOW BACK TANK & RU PUMP & LINES. SWIFN & UNTIL MONDAY MORNING. (DAY 1)TC: \$5,548

10/19/99 **RU BJ & PMP ACID @ 8:00AM** RIH W/ 2 3/8" TBG TAG FILL @ 5845', RU PWR SWVL & AIR FOAM UNIT BRK CIRC, C/O TO 5958 CIRC CLEAN, RD PWR SWVL & AIR FOAM UNIT, POOH W/ 2 3/8" TBG & 3 7/8" MILL, RIH W/ NC, 1 JT, SN & 2 3/8" TBG EOT @ 4534', SWI SDFN (DAY 2) TC: \$11,445

SCHEMATIC (SEE WELL FILE) WAS PERF'S FROM 4568' TO 5918' VARIOUS INTERVALS

10/20/99 **CK PRES & SWAB** RIH W/ 2 3/8" TBG W/ EOT @ 5918', RU BJ & SPOT 21BBLs 15% HCL ACROSS PERF'S F/ 5981' TO 4568', WAIT 3 HRS DISPLACE W/ 23 BBLs 2% KCL, ND BOP NUWH, LAND TBG W/ SN @ 5827 & EOT @ 5860', RDMO MIRU SWAB UNIT, IFL- 5200", FFL 5800', 4 HRS, 15 RUNS, 20 BBLs WTR, PH- 7, SICP- 250, SWI TO BUILD PRES OVER NIGHT SDFN (DAY 3)TC: \$16,741

10/21/99 **CK PRES & SWAB** SICP-250#, SITP - 0#, IFL - 5500', FFL - 5827', 5 HRS, 6 RUNS, 1 BBL WTR, MADE HRLY RUNS SWABBED DRY, SWI TO BUILD PRESS. SDFD. (DAY 4) TC: \$17,809

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-01416

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.

Cige #4

9. API Well No.

43-047-30334

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Natural Buttes Field

11. County or Parish, State

Uintah UT

**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

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NE/NW Sec. 9, T10S, R21E  
2102' FSL & 679' FEL

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

TYPE OF SUBMISSION

TYPE OF ACTION

Notice of Intent

Subsequent Report

Final Abandonment Notice

Acidize

Alter Casing

Casing Repair

Change Plans

Convert to Injection

Deepen

Fracture Treat

New Construction

Plug and Abandon

Plug Back

Production (Start/Resume)

Reclamation

Recomplete

Temporarily Abandon

Water Disposal

Water Shut-Off

Well Integrity

Other Completion Report

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Subject well placed on production on 10/24/99. Please refer to the attached Chronological Well History.

**RECEIVED**

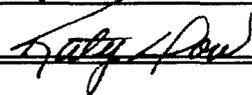
JUN 12 2000

DIVISION OF  
OIL, GAS AND MINING

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

Name (Printed/Typed)

Katy Dow



Title

Environmental Jr. Analyst

Date 6/8/00

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

Approved by

Title

Date

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COASTAL OIL & GAS CORPORATION  
PRODUCTION REPORT

CHRONOLOGICAL REPORT

**CIGE #4**

Page 1

NATURAL BUTTES FIELD  
UINTAH COUNTY, UTAH  
WI: 100%

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SCHEMATIC (SEE WELL FILE) WAS PERF'S FROM 4568' TO 5918' VARIOUS INTERVALS

10/20/99 **CK PRES & SWAB** RIH W/ 2 3/8" TBG W/ EOT @ 5918', RU BJ & SPOT 21BBLs 15% HCL ACROSS PERF'S F/ 5981' TO 4568', WAIT 3 HRS DISPLACE W/ 23 BBLs 2% KCL, ND BOP NUWH, LAND TBG W/ SN @ 5827 & EOT @ 5860', RD MO MIRU SWAB UNIT, IFL- 5200', FFL 5800', 4 HRS, 15 RUNS, 20 BBLs WTR, PH- 7, SICP- 250, SWI TO BUILD PRES OVER NIGHT SDFN (DAY 3) TC: \$16,741

10/21/99 **CK PRES & SWAB** SICP-250#, SITP - 0#, IFL - 5500', FFL - 5827', 5 HRS, 6 RUNS, 1 BBL WTR, MADE HRLY RUNS SWABBED DRY, SWI TO BUILD PRESS. SDFD. (DAY 4) TC: \$17,809

10/22/99 **CK FL/SWAB WELL** TP 0 PSI, CP 200 PSI, WELL BLEW DEAD. RAN SWAB FOUND FL @ 5700'. MADE 9 RUNS, RECOVERED 5 BBLs FFL @ 5827 FCP 225 PSI. FTP 0 PSI. SI WELL. SDFN. (DAY 5) TC: \$19,198

10/23/99 **CK PRESSURES & SWAB WELL OR RD & MO.** TP 20 PSI, CP 220 PSI. RAN SWAB FOUND FL @ 5600'. MADE 7 TOTAL RUNS & RECOVERED 11 BBLs. FFL @ 5500'. FTP 120 PSI. FCP 200 PSI. LEFT FLOWING. SDFN. (DAY 6) TC: \$20,637

10/24/99 **CK PRESSURE & RD & MO** TP 125 PSI. CP 225 PSI. WELL PRODUCING. RD & MO DELSCO SWABBING UNIT. (DAY 7) TC: \$21,112

10/25/99 FLWD TO SALES 105 MCF, 0 BW, FTP 128#, CP 169#, 24 HRS

10/26/99 FLWD TO SALES 81 MCF, 0 BW, FTP 76#, CP 116#, LP 55#, 64 CK, 24 HRS

10/27/99 FLWD 159 MCF, 3 BW, FTP 62#, CP 103#, LP #, 64 CK, 24 HRS

10/28/99 FLWD 139 MCF, 2 BW, FTP 150#, CP 156#, LP 52#, 64 CK, 18 HRS, DN 6 HRS W/BAD REGULATOR

10/29/99 FLWD 142 MCF, 1 BW, FTP 76#, CP 103#, LP 60#, 64 CK, 21 HRS, DN 3 HRS TO FINISH REPAIRS ON BIG JOE REGULATOR

10/30/99 FLWD 153 MCFPD, 2 BW, FTP: 122#, CP: 132#, 64/64" CK, 24 HRS, LP: 53#.

10/31/99 FLWD 157 MCFPD, 1 BW, FTP: 80#, CP: 113#, 64/64" CK, 24 HRS, LP: 57#.

11/1/99 FLWD 146 MCFPD, 2 BW, FTP: 136#, CP: 149#, 64/64" CK, 24 HRS, LP: 49#.

**FINAL REPORT PRIOR PROD:** 150 MCFPD, FTP: 74#, CP: 118#, 64/64" CK, LP: 58#.

---

11/1/99 **FINAL REPORT**

---

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

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

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

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:

1. TYPE OF WELL  
OIL WELL  GAS WELL  OTHER \_\_\_\_\_  
2. NAME OF OPERATOR:  
El Paso Production Oil & Gas Company

3. ADDRESS OF OPERATOR: 8 South 1200 East CITY Vernal STATE Utah ZIP 84078 PHONE NUMBER: 435-789-4433

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 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 checked="" type="checkbox"/> OTHER: <u>Name Change</u>
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.  
As a result of the merger between The Coastal Corporation and a wholly owned subsidiary of El Paso Energy Corporation, the name of Coastal Oil & Gas Corporation has been changed to El Paso Production Oil & Gas Company effective March 9, 2001.  
See Exhibit "A"

Bond # 400JU0708

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

This space for State use only

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

State of Delaware  
Office of the Secretary of State

---

PAGE 1

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

RECEIVED

JUN 14 2001

DIVISION OF  
OIL, GAS AND MINING



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

0610204 8100

AUTHENTICATION: 1061007

010162788

DATE: 04-03-01

CERTIFICATE OF AMENDMENT  
OF  
CERTIFICATE OF INCORPORATION

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

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

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

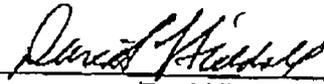
"FIRST. The name of the corporation is El Paso Production Oil & Gas Company."

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

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

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

COASTAL OIL & GAS CORPORATION

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

Attest:

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

RECEIVED

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

JUN 19 2001

DIVISION OF  
OIL, GAS AND MINING



# United States Department of the Interior

## BUREAU OF LAND MANAGEMENT

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

**RECEIVED**

JUL 12 2001

**DIVISION OF  
OIL, GAS AND MINING**

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

JUL 10 2001

### NOTICE

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

#### Name Change Recognized

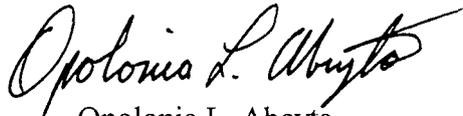
Acceptable evidence has been received in this office concerning the name change of Coastal Oil & Gas Corporation into El Paso Production Oil & Gas Company with El Paso Production Oil & Gas Company being the surviving entity.

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

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

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

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



Opolonia L. Abeyta  
Acting Chief, Branch of  
Minerals Adjudication

Enclosure

1. Exhibit of Leases (1 pp)

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

## Exhibit of Leases

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

**OPERATOR CHANGE WORKSHEET**

**ROUTING**

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

Enter date after each listed item is completed

Change of Operator (Well Sold)

Designation of Agent

Operator Name Change (Only)

**X** Merger

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

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

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

**CA No.**

**Unit: NATURAL BUTTES**

**WELL(S)**

NAME	API NO	ENTITY NO	SEC TWN RNG	LEASE TYPE	WELL TYPE	WELL STATUS
NBU CIGE 4-9-10-21	43-047-30334	2900	09-10S-21E	FEDERAL	GW	P
NBU CIGE 76D-9-10-21P	43-047-30955	2900	09-10S-21E	FEDERAL	GW	P
NBU 206-9	43-047-31165	2900	09-10S-21E	FEDERAL	GW	P
CIGE 101D-9-10-21	43-047-31736	2900	09-10S-21E	FEDERAL	GW	P
302-9E	43-047-32010	2900	09-10S-21E	FEDERAL	GW	P
CIGE 150-9-10-21	43-047-32058	2900	09-10S-21E	FEDERAL	GW	P
CIGE 227-9-10-21	43-047-32998	2900	09-10S-21E	FEDERAL	GW	P
NBU 431-9E	43-047-33069	2900	09-10S-21E	FEDERAL	GW	S
CIGE 254	43-047-33723	2900	09-10S-21E	FEDERAL	GW	P
NBU CIGE 57-10-10-21	43-047-30543	2900	10-10S-21E	FEDERAL	GW	P
NBU CIGE 77D-10-10-21P	43-047-30956	2900	10-10S-21E	FEDERAL	GW	P
NBU 115	43-047-31929	2900	10-10S-21E	FEDERAL	GW	P
CIGE 139-10-10-21	43-047-31986	2900	10-10S-21E	FEDERAL	GW	P
CIGE 151-10-10-21	43-047-32059	2900	10-10S-21E	FEDERAL	GW	P
NBU 266	43-047-32941	2900	10-10S-21E	FEDERAL	GW	P
NBU 267	43-047-32942	2900	10-10S-21E	FEDERAL	GW	P
NBU 332	43-047-33640	2900	10-10S-21E	FEDERAL	GW	P
NBU 366	43-047-33729	2900	10-10S-21E	FEDERAL	GW	DRL
NBU 268 (CA NW-127)	43-047-33001	2900	11-10S-21E	FEDERAL	GW	P
NBU 215 (CA NW-127)	43-047-32471	2900	12-10S-21E	FEDERAL	GW	P

**OPERATOR CHANGES DOCUMENTATION**

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

5. If **NO**, the operator was contacted on: N/A
6. **Federal and Indian Lease Wells:** The BLM and or the BIA has approved the (merger, name change, or operator change for all wells listed on Federal or Indian leases on: 07/10/2001
7. **Federal and Indian Units:** The BLM or BIA has approved the successor of unit operator for wells listed on: 07/10/2001
8. **Federal and Indian Communization Agreements ("CA"):** The BLM or the BIA has approved the operator change for all wells listed involved in a CA on: 07/10/2001
9. **Underground Injection Control ("UIC")** The Division has approved UIC Form 5, **Transfer of Authority to Inject**, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: N/A

---

**DATA ENTRY:**

1. Changes entered in the **Oil and Gas Database** on: 08/06/2001
2. Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 08/06/2001
3. Bond information entered in RBDMS on: N/A
4. Fee wells attached to bond in RBDMS on: N/A

---

**STATE BOND VERIFICATION:**

1. State well(s) covered by Bond No.: N/A

---

**FEDERAL BOND VERIFICATION:**

1. Federal well(s) covered by Bond No.: WY 2793

---

**FEE WELLS - BOND VERIFICATION/LEASE INTEREST OWNER NOTIFICATION:**

1. (R649-3-1) The **NEW** operator of any fee well(s) listed covered by Bond No: N/A
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
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: \_\_\_\_\_

---

**FILMING:**

1. All attachments to this form have been **MICROFILMED** on: \_\_\_\_\_

---

**FILING:**

1. **ORIGINALS/COPIES** of all attachments pertaining to each individual well have been filled in each well file on: \_\_\_\_\_

---

**COMMENTS: Master list of all wells involved in operator change from Coastal Oil & Gas Corporation to El Paso Production Oil and Gas Company shall be retained in the "Operator Change File".**

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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*  
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.

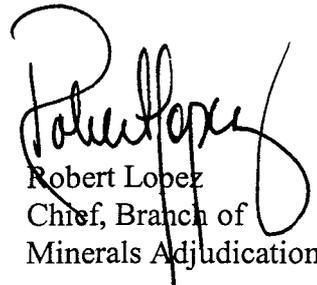
For our purposes, the name change is recognized effective December 31, 2001.

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

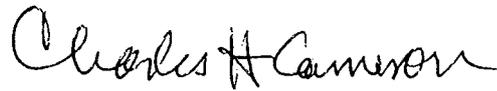
We have been advised of changes occurring with the operation of your database for Change of Operator. You will be modifying your records to reflect Change of Operator once you have received all necessary documentation from the companies involved, and perhaps in advance of our Notice of Concurrence/Approval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



# United States Department of the Interior

BUREAU OF INDIAN AFFAIRS

Washington, D.C. 20240

FEB 10 2003

IN REPLY REFER TO:  
Real Estate Services

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

Dear Mr. Wilson:

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

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

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

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

Sincerely,

Director, Office of Trust Responsibilities

ACTING

Enclosure



# United States Department of the Interior

## BUREAU OF LAND MANAGEMENT

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

IN REPLY REFER TO  
UT-922

February 27, 2003

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

Re: Natural Buttes Unit  
Uintah County, Utah

Gentlemen:

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

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

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

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

Sincerely,

/s/ Robert A. Henricks

Robert A. Henricks  
Chief, Branch of Fluid Minerals

Enclosure

bcc: Field Manager - Vernal (w/enclosure)  
SITLA  
Division of Oil, Gas & Mining  
Minerals Adjudication Group  
File - Natural Buttes Unit (w/enclosure)  
Agr. Sec. Chron  
Fluid Chron  
UT922:TAThompson:tt:02/27/2003

RECEIVED

FEB 28 2003

DIV. OF OIL, GAS & MINING

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

FORM 9

**SUNDRY NOTICES AND REPORTS ON WELLS**

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

		5. LEASE DESIGNATION AND SERIAL NUMBER:
		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
		7. UNIT or CA AGREEMENT NAME:
1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER _____		8. WELL NAME and NUMBER: Exhibit "A"
2. NAME OF OPERATOR: El Paso Production Oil & Gas Company		9. API NUMBER:
3. ADDRESS OF OPERATOR: 9 Greenway Plaza      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: <b>UTAH</b>

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

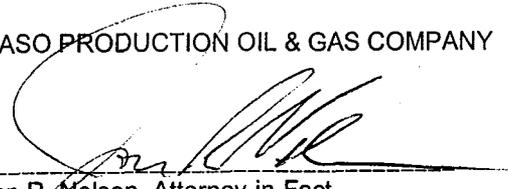
TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input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

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

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

BOND # \_\_\_\_\_  
State Surety Bond No. RLB0005236  
Fee Bond No. RLB0005238

EL PASO PRODUCTION OIL & GAS COMPANY

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

**RECEIVED**  
**FEB 28 2003**  
DIV. OF OIL, GAS & MINING

NAME (PLEASE PRINT) WESTPORT OIL AND GAS COMPANY, L.P. 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

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

1. Type of Well  
 Oil Well  Gas Well  Other

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

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

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

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

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

6. If Indian, Allottee or Tribe Name

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

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

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

10. Field and Pool, or Exploratory Area

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

**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 <b>SUCCESSOR OF OPERATOR</b>
	<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 zone. 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 302-9E	09-10S-21E	43-047-32010	2900	FEDERAL	GW	P
CIGE 101D-9-10-21	09-10S-21E	43-047-31736	2900	FEDERAL	GW	P
NBU CIGE 76D-9-10-21P	09-10S-21E	43-047-30955	2900	FEDERAL	GW	P
NBU 206-9J	09-10S-21E	43-047-31165	2900	FEDERAL	GW	S
NBU CIGE 4-9-10-21	09-10S-21E	43-047-30334	2900	FEDERAL	GW	P
NBU 7-9B	09-10S-21E	43-047-30278	2900	FEDERAL	GW	P
CIGE 286	09-10S-21E	43-047-34797	99999	FEDERAL	GW	APD
CIGE 287	09-10S-21E	43-047-34798	99999	FEDERAL	GW	APD
NBU CIGE 57-10-10-21	10-10S-21E	43-047-30543	2900	FEDERAL	GW	P
NBU CIGE 77D-10-10-21P	10-10S-21E	43-047-30956	2900	FEDERAL	GW	P
NBU 115	10-10S-21E	43-047-31929	2900	FEDERAL	GW	P
CIGE 151-10-10-21	10-10S-21E	43-047-32059	2900	FEDERAL	GW	P
CIGE 139-10-10-21	10-10S-21E	43-047-31986	2900	FEDERAL	GW	P
NBU 266	10-10S-21E	43-047-32941	2900	FEDERAL	GW	P
NBU 267	10-10S-21E	43-047-32942	2900	FEDERAL	GW	P
NBU 332	10-10S-21E	43-047-33640	2900	FEDERAL	GW	P
NBU 366	10-10S-21E	43-047-33729	2900	FEDERAL	GW	PA
NBU 179	10-10S-21E	43-047-32145	2900	FEDERAL	GW	PA
NBU 29	11-10S-21E	43-047-30302	2900	FEDERAL	GW	PA
NBU 268	11-10S-21E	43-047-33001	2900	FEDERAL	GW	P

**OPERATOR CHANGES DOCUMENTATION**

Enter date after each listed item is completed

- (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 02/28/2003
- (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 03/04/2003
- The new company has been checked through the **Department of Commerce, Division of Corporations Database** on: 03/06/2003
- Is the new operator registered in the State of Utah: YES Business Number: 1355743-0181
- If **NO**, the operator was contacted 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: 03/19/2003
2. Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 03/19/2003
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.

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

1. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other		5. Lease Serial No. Multiple Wells - see attached
2. Name of Operator WESTPORT OIL & GAS COMPANY, L.P.		6. If Indian, Allottee or Tribe Name
3a. Address P.O. BOX 1148 VERNAL, UT 84078	3b. Phone No. (include area code) (435) 781-	7. If Unit or CA/Agreement, Name and/or No. 891008900A
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Multiple Wells - see attached		8. Well Name and No. Multiple Wells - see attached
		9. API Well No. Multiple Wells - see attached
		10. Field and Pool, or Exploratory Area Natural Buttes Unit
		11. County or Parish, State Uintah County, UT

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

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

13. Describe Proposed or Completed Operations (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or 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.

Westport Oil & Gas requests a variance to Onshore Order No. 4, Part III.C.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	Title Operations Manager	Date 9-2-2003	SEP 10 2003
Signature <i>J.T. Conley</i>	Initials JTC	Date 9-2-2003	DIV. OF OIL, GAS & MINING

THIS SPACE FOR FEDERAL OR STATE USE

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

Accepted by the Utah Division of Oil, Gas and Mining

Office \_\_\_\_\_ 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.

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

**Westport Oil & Gas, L.P.**

**Project Economics Worksheet**

**Instructions:**

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

Project Name:

**Condensate Shrinkage Economics**

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

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

**Increased OPX Per Year**

**Investment Breakdown:**

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

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 MCFFD	0 MCFFD	0 MCFFD
Wtr Production	0 BWPD	0 BWPD	0 BWPD
Horse Power	HP	HP	0 HP
Fuel Gas Burned	MCFFD	MCFFD	0 MCFFD

**Project Life:**

Life = **20.0** Years  
(Life no longer than 20 years)

**Internal Rate of Return:**

After Tax IROR = **#DIV/0!**

**AT Cum Cashflow:**

Operating Cashflow = **(\$2,917)** (Discounted @ 10%)

**Payout Calculation:**

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

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

Payout = **NEVER** Years or **#VALUE!** Days

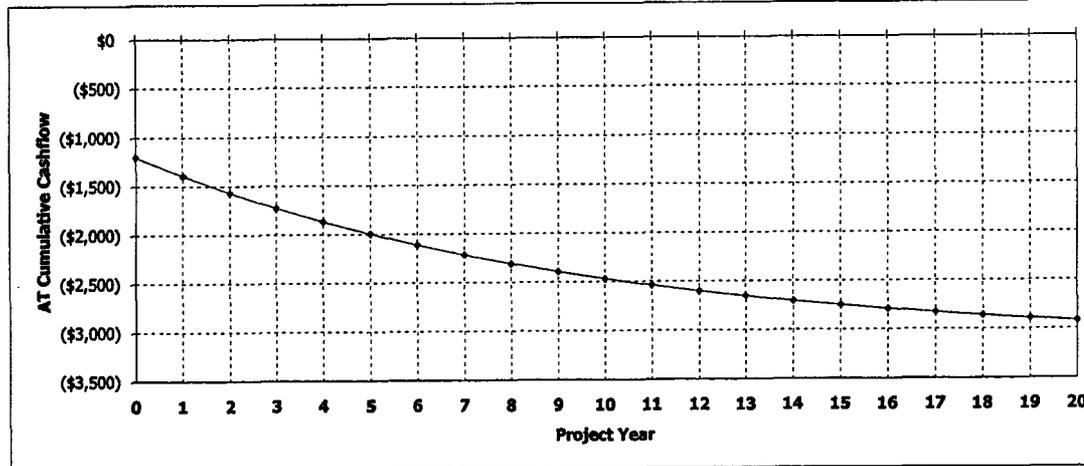
**Gross Reserves:**

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

**Notes/Assumptions:**

**An average NBUI well produces 0.192 Bcpd with no tank pressure. The production is increased to 0.196 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

## ALL WELLS ROCKY MOUNTIAN GAS-NBU ENARDO VARIANCE

WELL	LEGALS	STFLEASENO	CANUMBER	APINO
CIGE 003	32-9-22 SENE	ML22649	891008900A	430473032000S1 ✓
CIGE 004	9-10-21 NESE	UTU01416	891008900A	430473033400S1
CIGE 005	31-9-22 NWSE	U01207A	891008900A	430473033500S1 ✓
CIGE 006	19-9-21 SWSE	U0581	891008900A	430473035600S1
CIGE 007	8-10-21 NENW	UTU01791	891008900A	430473035800S1
CIGE 008	35-9-22 SWSE	UTU010954A	891008900A	430473042700S1
CIGE 009	36-9-22 NWSE	ML22650	891008900A	430473041900S1 ✓
CIGE 010	2-10-22 NWSE	ML22651	891008900A	430473042500S1
CIGE 011	14-9-20 SWSE	UTU0577A	891008900A	430473042400S1
CIGE 011GR	14-9-20 SWSE	UTU0577A	891008900A	430473042400S1
CIGE 013	7-10-21 NESE	UTU02270A	891008900A	430473042000S1
CIGE 014	9-10-22 NESW	UTU01196B	891008900A	430473048400S1
CIGE 018	2-10-21 NWNE	ML22652	891008900A	430473047100S1 ✓
CIGE 019	16-9-21 SWSW	ML3141A	891008900A	430473045900S1
CIGE 020	20-10-21 SESW	UTU02278	891008900A	430473048500S1
CIGE 022	15-9-20 SENW	UTU0144868	891008900A	430473049700S1
CIGE 023	7-10-22 SESE	ML23609	891008900A	430473033300S1 ✓
CIGE 024	29-9-22 SESW	U01207	891008900A	430473049300S1
CIGE 025	34-9-22 SENW	UTU0149077	891008900A	430473073700S1
CIGE 027	33-9-22 NENW	UTU01191A	891008900A	430473073800S1
CIGE 028	35-9-21 NESE	ML22582	891008900A	430473073900S1 ✓
CIGE 030	6-10-21 NENW	UTU01791	891008900A	430473049800S1
CIGE 031	1-10-22 SWNW	U011336	891008900A	430473051100S1
CIGE 032A	20-9-20 NESW	UTU01567A	891008900A	430473049600S1
CIGE 034	13-10-20 SWNE	UTU02270A	891008900A	430473050800S1
CIGE 035	1-10-20 NESW	UTU02270A	891008900A	4304730509400S1
CIGE 036D	32-9-22 NWNW	ML22649	891008900A	430473083300S1 ✓
CIGE 037D	21-9-21 SWSE	UTU0576	891008900A	430473091000S1
CIGE 038D	4-10-21 SWSE	U01416	891008900A	430473049500S1
CIGE 040	3-10-21 NESW	UTU0149078	891008900A	430473074000S1
CIGE 042	25-9-21 SWSE	U04139	891008900A	430473049200S1 ✓
CIGE 043	14-10-22 SENW	U01197A	891008900A	430473049100S1 ✓
CIGE 044	9-9-21 SESE	UTU01188	891008900A	430473052700S1
CIGE 045	15-9-21 NESE	UTU01193	891008900A	430473052800S1
CIGE 046	21-9-21 NENE	UTU0576	891008900A	430473052900S1
CIGE 047	14-10-21 NWSE	UTU01393C	891008900A	430473051000S1
CIGE 048	15-10-21 SWNE	UTU01416A	891008900A	430473050600S1
CIGE 051D	31-9-22 NENE	U01191	891008900A	430473088900S1 ✓
CIGE 052	5-10-22 SENW	UTU01195	891008900A	430473053100S1
CIGE 053	6-10-22 NESW	UTU01195	891008900A	430473053300S1
CIGE 054D	35-9-21 NENE	ML22582	891008900A	430473085100S1 ✓
CIGE 055	1-10-21 SENW	ML23612	891008900A	430473051200S1 ✓
CIGE 056	34-9-21 SWSE	U01194A	891008900A	430473053000S1 ✓
CIGE 057	10-10-21 NENE	UTU0149079	891008900A	430473054300S1
CIGE 058	16-10-21 SESE	ML10755	891008900A	430473053200S1
CIGE 060	14-9-21 SENW	UTU01193	891008900A	430473054900S1
CIGE 061	13-9-21 SENW	U01193	891008900A	430473055000S1
CIGE 062D	36-9-22 NWSW	ML22650	891008900A	430473088500S1 ✓
CIGE 063D	29-9-22 NWNW	UTU462	891008900A	430473094900S1
CIGE 064D	33-9-22 SWSW	UTU01191A	891008900A	430473095000S1
CIGE 066	23-10-21 SENW	UTU02278A	891008900A	430473054200S1
CIGE 067A	2-10-22 NENE	ML22651	891008900A	430473093800S1
CIGE 068D	35-9-22 NWSW	UTU010954A	891008900A	430473095100S1
CIGE 069	19-10-21 SENW	ML22792	891008900A	430473063500S1
CIGE 070	20-9-21 NESE	UTU0575	891008900A	430473063600S1
CIGE 071	7-9-21 NESE	UTU0575B	891008900A	430473063700S1
CIGE 072	18-9-21 SWNE	UTU0575	891008900A	430473063400S1
CIGE 073D	5-10-22 SWSW	UTU01191A	891008900A	430473095200S1
CIGE 074D	6-10-22 NWSE	UTU01195	891008900A	430473095300S1

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

**ROUTING**

1. DJJ
2. CDW

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

Operator Name Change/Merger

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

**1/6/2006**

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

Enter date after each listed item is completed

1. (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 5/10/2006
2. (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 5/10/2006
3. The new company was checked on the **Department of Commerce, Division of Corporations Database** on: 3/7/2006
- 4a. Is the new operator registered in the State of Utah: YES Business Number: 1355743-0181
- 4b. If **NO**, the operator was contacted on: \_\_\_\_\_
- 5a. (R649-9-2)Waste Management Plan has been received on: IN PLACE
- 5b. Inspections of LA PA state/fee well sites complete on: n/a 3 LA wells & all PA wells transferred
- 5c. Reports current for Production/Disposition & Sundries on: ok

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

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

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

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

**DATA ENTRY:**

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

**BOND VERIFICATION:**

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

**LEASE INTEREST OWNER NOTIFICATION:**

4. (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

**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.  
**MUTIPLE WELLS**

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

9. API Well No.

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

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

10. Field and Pool, or Exploratory Area

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

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

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

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

13. Describe Proposed or Completed Operations (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or 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.

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 5/16/06**

*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

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

**SUNDRY NOTICES AND REPORTS ON WELLS**

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

5. Lease Serial No.

**MULTIPLE LEASES**

6. If Indian, Allottee or Tribe Name

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

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

1. Type of Well

Oil Well  Gas Well  Other

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**

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 recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.

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

U.S. DEPT. OF THE INTERIOR

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> U-01416
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>7. UNIT or CA AGREEMENT NAME:</b> NATURAL BUTTES
<b>1. TYPE OF WELL</b> Gas Well		<b>8. WELL NAME and NUMBER:</b> CIGE 4
<b>2. NAME OF OPERATOR:</b> KERR-MCGEE OIL & GAS ONSHORE, L.P.		<b>9. API NUMBER:</b> 43047303340000
<b>3. ADDRESS OF OPERATOR:</b> P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779	<b>PHONE NUMBER:</b> 720 929-6511	<b>9. FIELD and POOL or WILDCAT:</b> NATURAL BUTTES
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 2102 FSL 0679 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NESE Section: 09 Township: 10.0S Range: 21.0E Meridian: S		<b>COUNTY:</b> UINTAH
		<b>STATE:</b> UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
<b>TYPE OF SUBMISSION</b>	<b>TYPE OF ACTION</b>	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:  <input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 12/12/2011  <input type="checkbox"/> SPUD REPORT Date of Spud:  <input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> DEEPEN <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> PLUG BACK <input checked="" type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> WILDCAT WELL DETERMINATION <input type="checkbox"/> OTHER	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.		
THE SUBJECT WELL WAS RETURNED BACK TO PRODUCTION ON 12/12/2011.		
Accepted by the Utah Division of Oil, Gas and Mining <b>FOR RECORD ONLY</b> January 13, 2012		
<b>NAME (PLEASE PRINT)</b> Sheila Wopsock	<b>PHONE NUMBER</b> 435 781-7024	<b>TITLE</b> Regulatory Analyst
<b>SIGNATURE</b> N/A		<b>DATE</b> 1/12/2012