

## FILE NOTATIONS

Entered in NID File	.....	Checked by Chief	.....
Location Map Pinned	.....	Approval Letter	.....
Card Indexed	.....	Disapproval Letter	.....

## COMPLETION DATA:

Well Completed	5-15-79	Location Inspected	.....
..... WW..... TA.....		Bond released	
GW..... OS..... PA.....		State or Fee Land	.....

## LOGS FILED

Driller's Log	.....				
Electric Logs (No.)	.....				
E..... I.....	Dual I Lat.....	GR-N.....	Micro.....		
BHC Sonic GR.....	Lat.....	Mi-L.....	Soni		
CBLog.....	CCLog.....	Others.....			

Shut-in gas well - 5/15/79

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

5. LEASE DESIGNATION AND SERIAL NO. U-0144868
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 22-15-9-20
10. FIELD AND POOL, OR WILDCAT BITTER CREEK FIELD
11. SEC., T., R., M., OR BLE. AND SURVEY OR AREA Section 15, T9S, R20E
12. COUNTY OR PARISH   13. STATE   UINTAH   UTAH

**APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK**

1a. TYPE OF WORK  
 DRILL                       DEEPEN                       PLUG BACK

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

2. NAME OF OPERATOR  
CIG EXPLORATION, INC.

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

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)\*  
 At surface  
 1980' FWL & 1980 FNL, Section 15, T9S, R20E  
 At proposed prod. zone  
 SAME AS ABOVE

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

15. DISTANCE FROM PROPOSED\* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any)      1980'  
 16. NO. OF ACRES IN LEASE      480'

18. DISTANCE FROM PROPOSED\* LOCATION TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.      APPROXIMATELY 2125'  
 19. PROPOSED DEPTH      7200'

20. ROTARY OR CABLE TOOLS  
ROTARY

21. ELEVATIONS (Show whether DF, RT, GR, etc.)  
4785' UNGRADED GROUND

22. APPROX. DATE WORK WILL START\*  
NOVEMBER 1, 1978

23. PROPOSED CASING AND CEMENTING PROGRAM

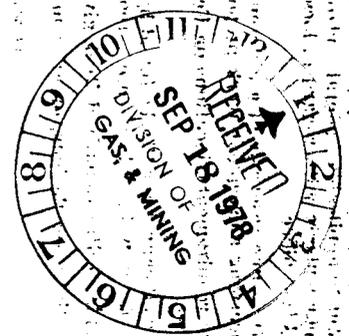
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12-1/4"	9-5/8"	36#	200'	125 sx
7-7/8"	4-1/2"	11.6#	7200'	CIRCULATE CEMENT BACK TO SURFACE

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

SEE ATTACHED SUPPLEMENTS FOR FURTHER INFORMATION:

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

GAS WELL PRODUCTION HOOKUP TO FOLLOW ON SUNDRY NOTICE.



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

24. SIGNED F. R. MIDKIFF TITLE DISTRICT SUPERINTENDENT DATE September 15, 1978

APPROVED BY THE DIVISION OF OIL, GAS, AND MINING. APPROVAL DATE: 9-19-78

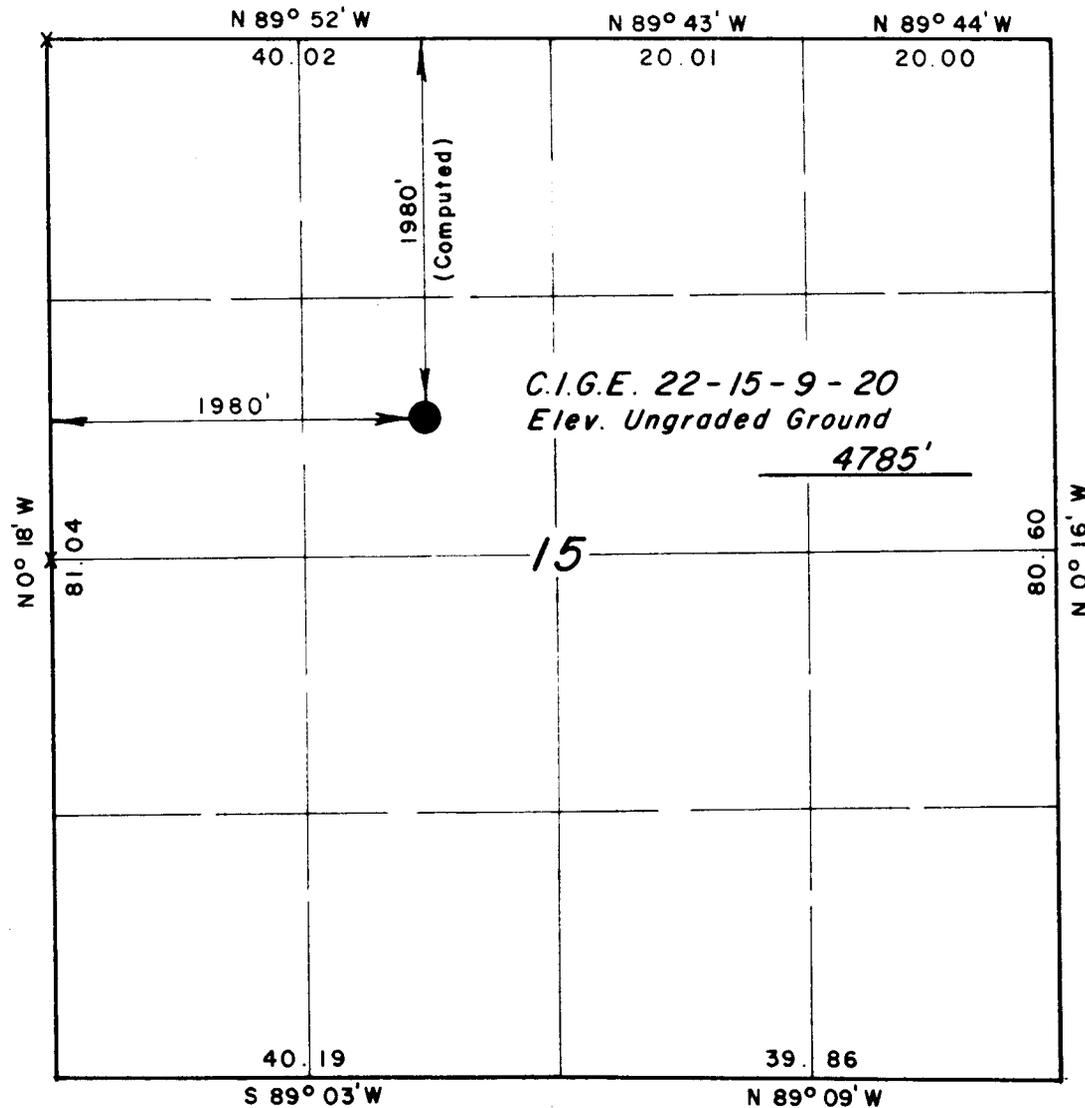
PERMIT NO. \_\_\_\_\_ APPROVED BY: [Signature] TITLE \_\_\_\_\_

CONDITIONS OF APPROVAL, IF ANY: \_\_\_\_\_ BY: [Signature]

T 9 S, R 20 E, S. L. B. & M.

PROJECT  
C.I.G. EXPLORATION, INC.

Well location, C.I.G.E. 22-15-9-20,  
located as shown in the SE 1/4 NW 1/4  
Section 15, T 9 S, R 20 E, S. L. B. & M.  
Uintah County, Utah.



CERTIFICATE

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

*[Signature]*  
REGISTERED LAND SURVEYOR  
REGISTRATION NO 3154  
STATE OF UTAH

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

SCALE 1" = 1000'	DATE 9 / 13 / 78
PARTY S. S. D. S.                      BFW	REFERENCES GLO Plat
WEATHER Fair	FILE C. I. G. E.

X = Section Corners Located



6. Continued --

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

7. The auxiliary equipment to be used:

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

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

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

LOGS: Dual-Induction Laterolog  
Compensated Neutron-Formation Density

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

No abnormal pressures or temperatures expected  
No hydrogen sulfide expected

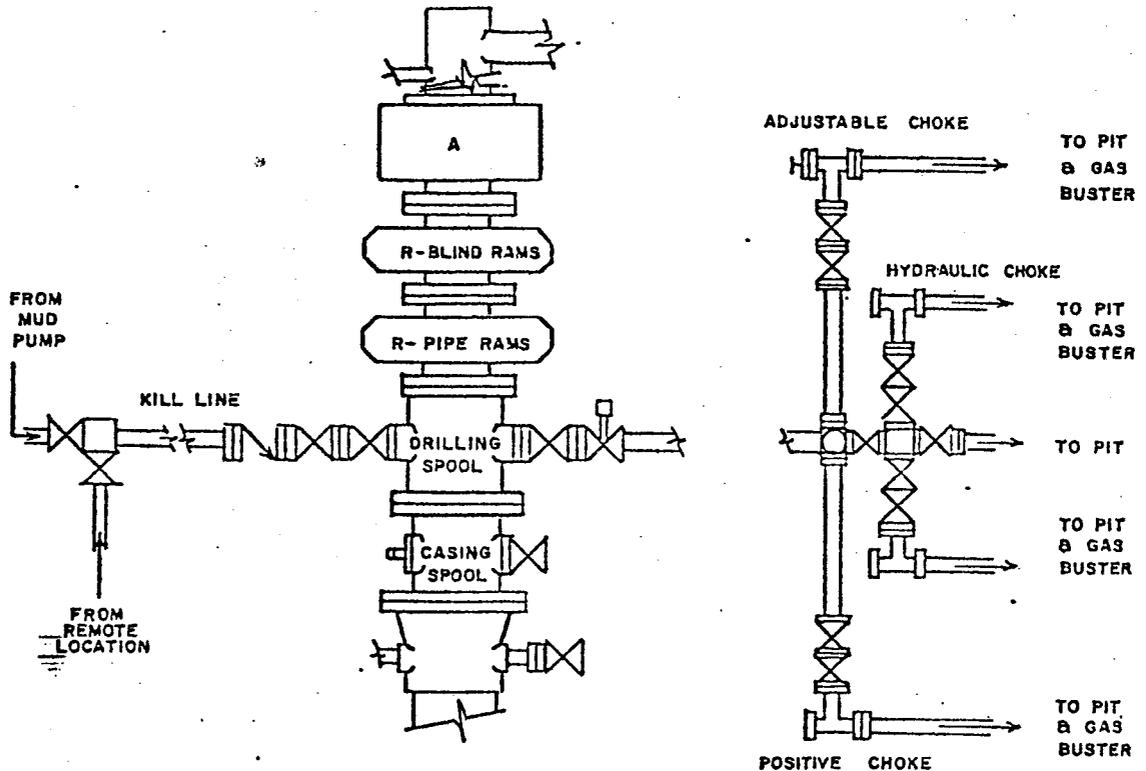
10. The anticipated starting date and duration of the operation:

November 1, 1978

Three week duration.

3000 psi

psi Working Pressure BOP's



### Test Procedure

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

CIG EXPLOARTION INCORPORATED

13 Point Surface Use Plan

for

Well Location

CIGE 22-15-9-20

Located In

Section 15, T9S, R20E, S.L.B. & M.

Uintah County, Utah

1. EXISTING ROADS

See attached Topographic Map "A".

To reach C.I.G. Exploration Incorporated, well location CIGE 22-15-9-20, located in the SE  $\frac{1}{4}$  NW  $\frac{1}{4}$  Section 15, T9S, R20E, S.L.B. & M., Uintah County, Utah; proceed West-erly out of Vernal, Utah along U.S. Highway 40, 14 miles to the junction of this road and U.S. Highway 209; proceed South along U.S. Highway 209, 7 miles more or less to the junction of this Highway and U.S. Highway 88; proceed South along U.S. Highway 88-10 miles to Ouray, Utah; proceed on South along a county road 3.4 miles along the Seep Ridge Road to its junction with a service road to the East; proceed Easterly along this road + 2.1 miles to it's junction with a road to the North; proceed Northerly along this road 1.1 miles to a point which is 500' past a intersection with a road to the Northeast, this point is the beginning of the proposed access road to be described in Item #2.

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

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

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

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

2. PLANNED ACCESS ROAD

See Topographic Map "B".

The proposed access road leaves the existing service road described in Item #1 in the SE  $\frac{1}{4}$  NW  $\frac{1}{4}$  Section 15, and proceeds in a Southwesterly direction + 400' to the proposed location site in the SE  $\frac{1}{4}$  NW  $\frac{1}{4}$  Section 15, T9S, R20E, 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 13' crown road (9' either side of the center-line) with drain ditches along either side of the proposed road where it is determined necessary in order to handle any run-off from normal meteorological condition that are prevalent to this area.

Back slopes along the cut areas of the road will be 1  $\frac{1}{2}$  to 1 slopes and terraced.

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 form 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 or at intervals and locations that will provide the greatest sight distance. These turnouts will be 200' in length and 10' in width and will be tapered from the shoulder of the road for a distance of 50' in length at both the access and outlet ends.

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

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

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

The terrain that this access road traverses slopes to the Northeast at approximately a 3% grade from the Southwest.

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

3. LOCATION OF EXISTING WELLS

There are other wells within a one mile radius of this location (See Topographic Map "B"). For the exact location of this well in Section 15, T9S, R20E. 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 no other CIG Exploration Incorporated batteries, production facilities, oil gathering lines, gas gathering lines, injection and disposal, lines with 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.

Plans for a gas flow line from this location to an existing flowline or gas gathering line will be submitted to proper authorities.

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 OF AND TYPE OF WATER SUPPLY

Water to be used in the drilling and production of this well will be hauled by truck from the White River South of Ouray, Utah utilizing the roads described in Items #1 and #2 approximately 5 miles Northwest of the proposed location site.

In the event the above source is not used other arrangements will be made and submitted to the proper authorities for approval.

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 material from other sources are anticipated at this time, but if they are required, the appropriate actions will be taken to acquire them from private sources.

The native materials that will be used in the construction of this location site and access road will consists of a sandy-clay soils and sandstone and shale materials gathered in acutal construction of the road and location.

7. METHODS FOR HANDLING WASTE DISPOSAL

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

8. ANCILLARY FACILITIES

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

9. WELL SITE LAYOUT

See attached Location Layout Sheet.

The B.I.A. Representative shall be notified before any construction begins on the proposed location site and road.

As mentioned in Item #6, the pits will be unlined unless it is determined by the representatives of the agencies involved that the materials are too porous and would cause contamination to the surrounding area; then the pits will be lined with a gel and any other type of material necessary to make it safe and tight.

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

## 10 PLANS FOR RESTORATION OF SURFACE

As there is some topsoil on the location site, all topsoil shall be stripped and stockpiled. (See Location Layout Sheet and Item #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 drilling activities and all waste being contained in the trash pit shall be buried with a minimum of 4' of cover. The reserve pit will be completely fenced and allowed to dry before covering. When restoration activities have been completed, the location site and access ramp shall be reseeded with a seed mixture recommended by the B.I.A. Representative 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 Item #7 and #10.

## 11. OTHER INFORMATION

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

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

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

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

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

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

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

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

11. OTHER INFORMATION - continued

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

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

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

CIGE 22-15-9-20 location site sits on a relative flat area which slopes to the North-east into a non-perennial drainage approximately 500' which drains to the North into the White River. There is a small hill at the Northwest end of the location which will be cut to the location grade.

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 East Southeast through the location to the West Northwest at approximately a 3% grade.

The location is covered with some sagebrush and grasses.

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

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

12. LESSEE'S OPERATOR'S REPRESENTATIVE

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

TELE: 1-303-572-1121

13. CERTIFICATION

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drill site and access route that I am familiar with the 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 CIG Exploration Incorporated and its contractors and sub-contractors in conformity with this plan and terms and conditions with the plan and the terms and conditions under which it is approved.

DATE

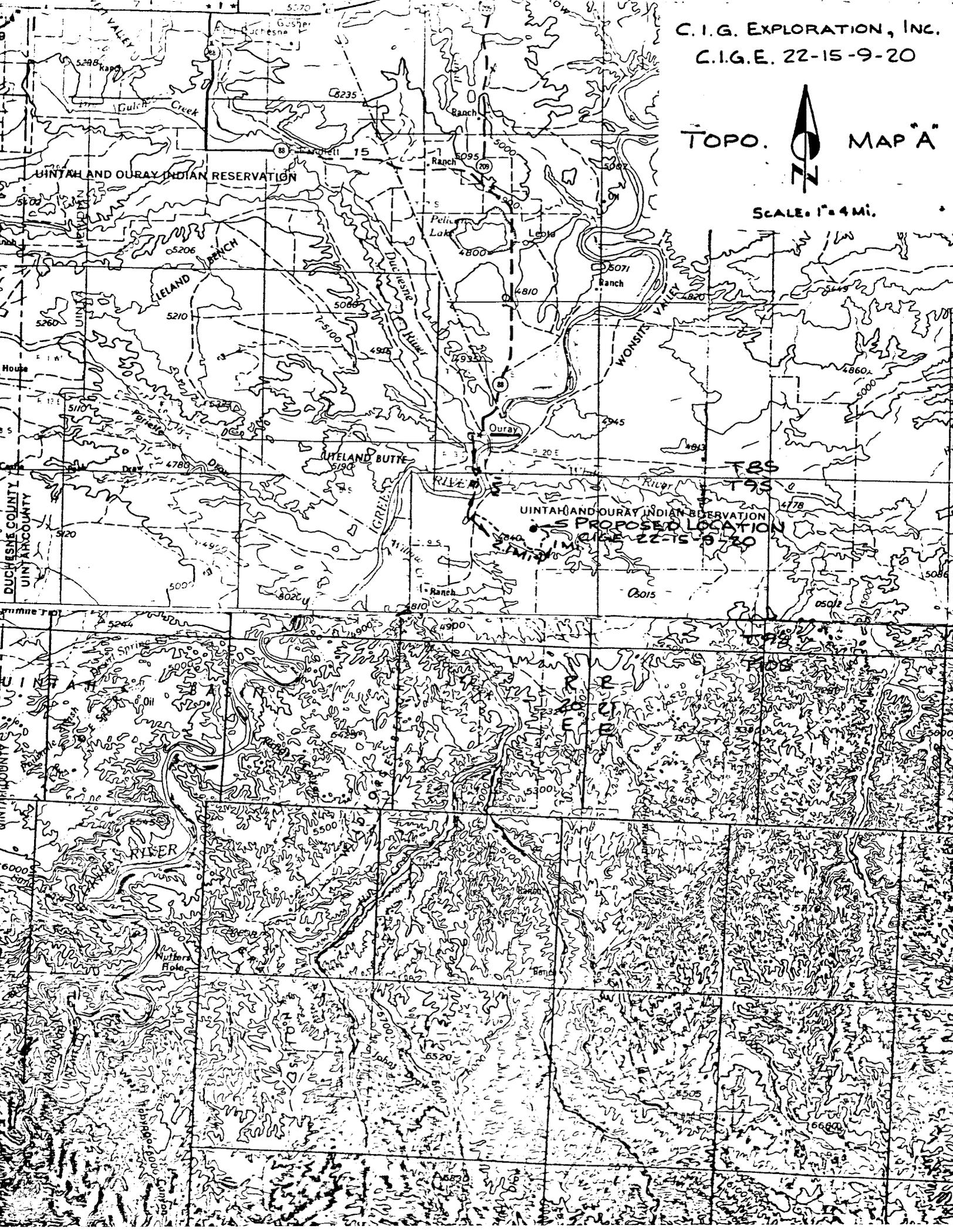
9/15/78

Frank R. Midkiff





SCALE: 1" = 4 Mi.



PROPOSED LOCATION  
C.I.G.E. 22-15-9-20

DUCHESNE COUNTY  
UINTAH COUNTY

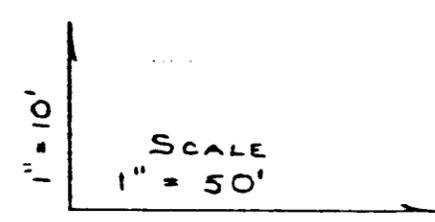
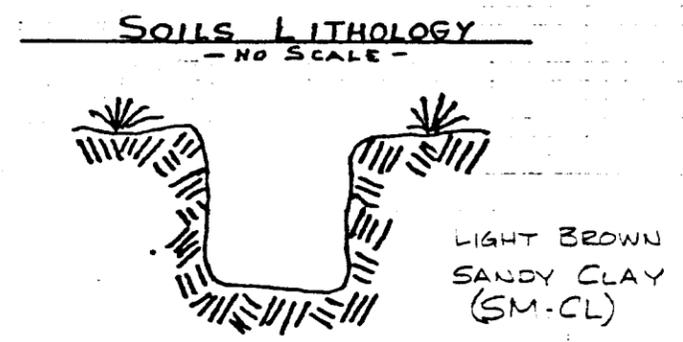
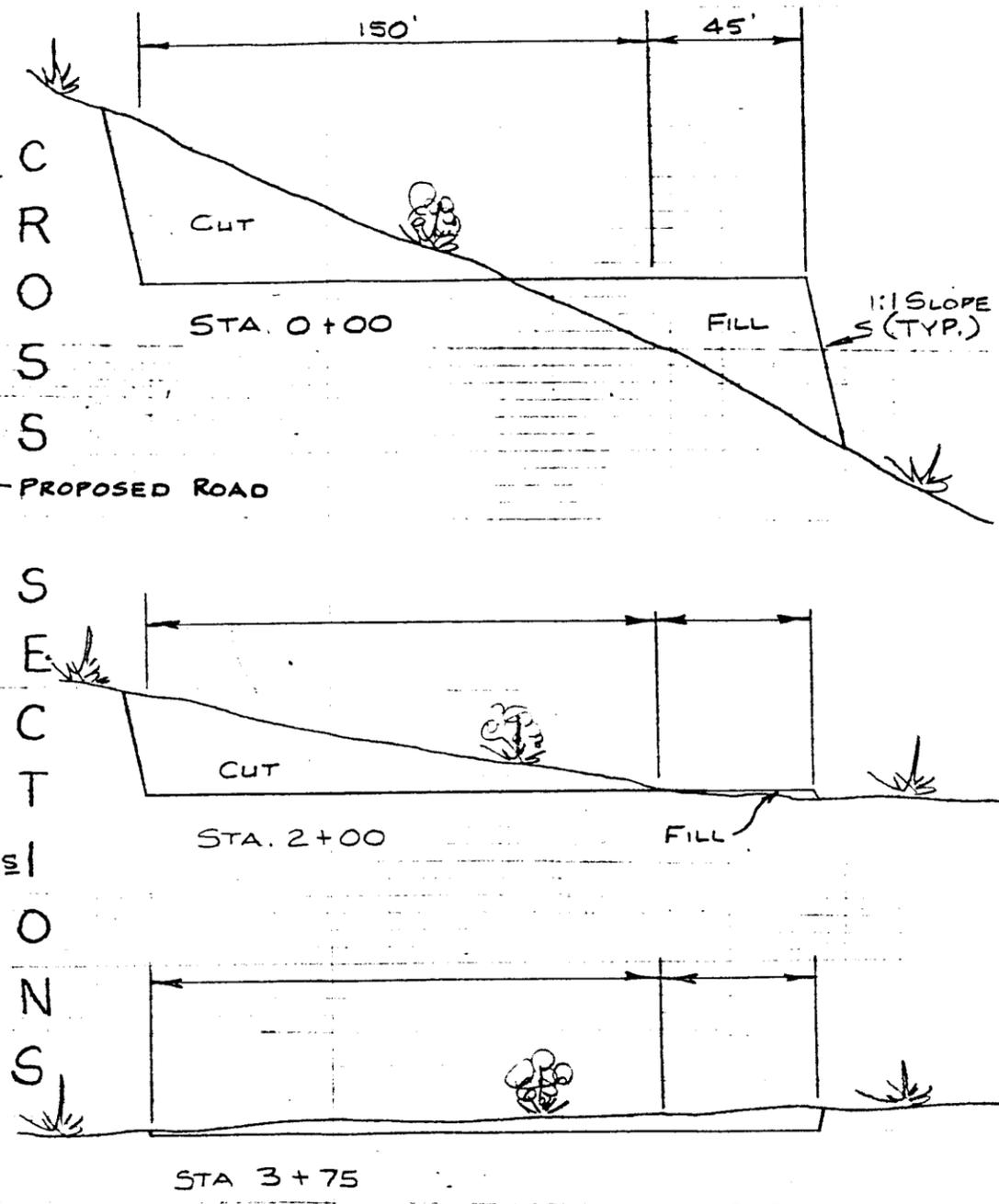
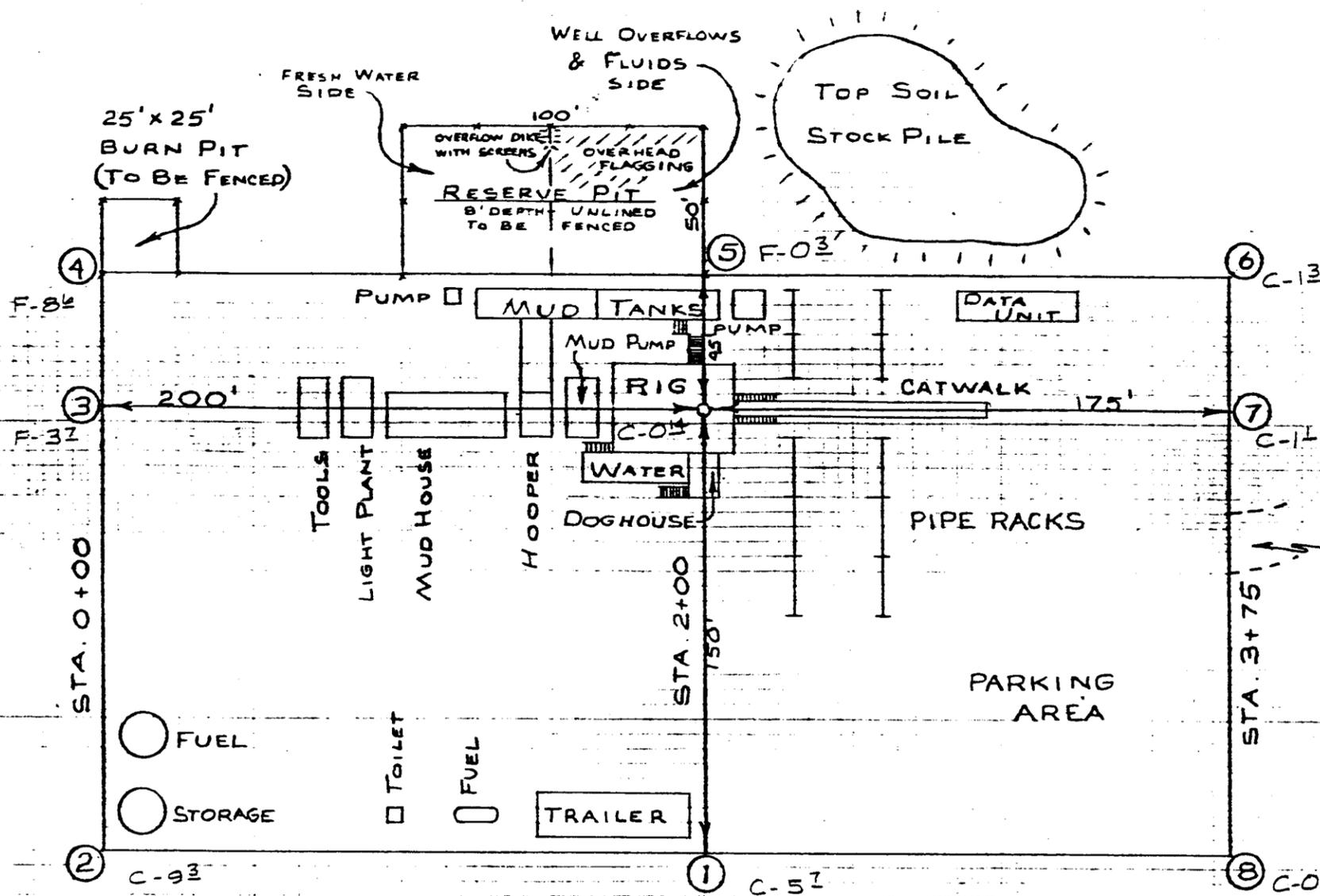
UINTAH

RYER

Nuttera Hole

6680

C.I.G. EXPLORATION  
 C.I.G.E. 22-15-9-20  
 LOCATION LAYOUT & CUT SHEET



APPROX. YARDAGES  
 CUT 5,744 CU. YDS.  
 FILL 4,490 CU. YDS.

TOPO. MAP 'B'



SCALE 1" = 2000'

ROAD CLASSIFICATION

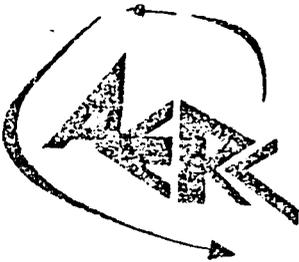
- Medium-duty
- Light-duty
- Unimproved dirt
- State Route



PROPOSED LOCATION \* 400' NE 1/4 11B







# ARCHEOLOGICAL - ENVIRONMENTAL RESEARCH CORPORATION

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

Tel.: (801) 582-0313

October 10, 1978

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

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

Project No.: GPE-78-5B

Permit No.: 78-Ut-014

To: Mr. Dennis Mower, Director of Resources  
Division, Ute Indian Tribe, Fort Duchesne,  
Utah 84026

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

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

GENERAL INFORMATION:

The proposed well locations and associated access roads were intensively examined for prehistoric and historic cultural remains between September 18 and September 22, 1978, by D. G. Weder of AERC. The well locations are located on lands administered by the Uintah and Ouray Agency of the Bureau of Indian Affairs. The legal description of each well location and access road is shown below. In addition, maps showing each location are attached.

<u>WELL #</u>	<u>SECTION</u>	<u>TOWNSHIP</u>	<u>RANGE</u>	<u>ACCESS ROAD</u>
STATE — 19	16	9 South	21 East	Section 16 also
22	15	9 South	20 East	Same
28	21	9 South	20 East	Same
29	23	9 South	20 East	Same
32	20	9 South	20 East	Same
40	20	9 South	22 East	Section 19 also

The well locations were examined by performing parallel transects spaced at 15 meter intervals. In addition, each transect extended approximately 15 meters beyond the marked boundaries of the location. The access roads were examined by performing two parallel transects spaced 15 meters apart and equidistant from the road centerline. In this manner, a 30 meter-wide corridor was examined for each access road.

RESULTS:

No prehistoric or historic culture resource sites were encountered during the surface examination of the well locations and access roads listed above. One of the well

locations, #19-16-9-21, was already disturbed before AERC examination. No cultural resources were noted in the area previously disturbed.

CONCLUSIONS AND RECOMMENDATIONS:

A cultural resources clearance can be recommended for the proposed well locations and access roads, if, during development, compliance to the following stipulations is observed:

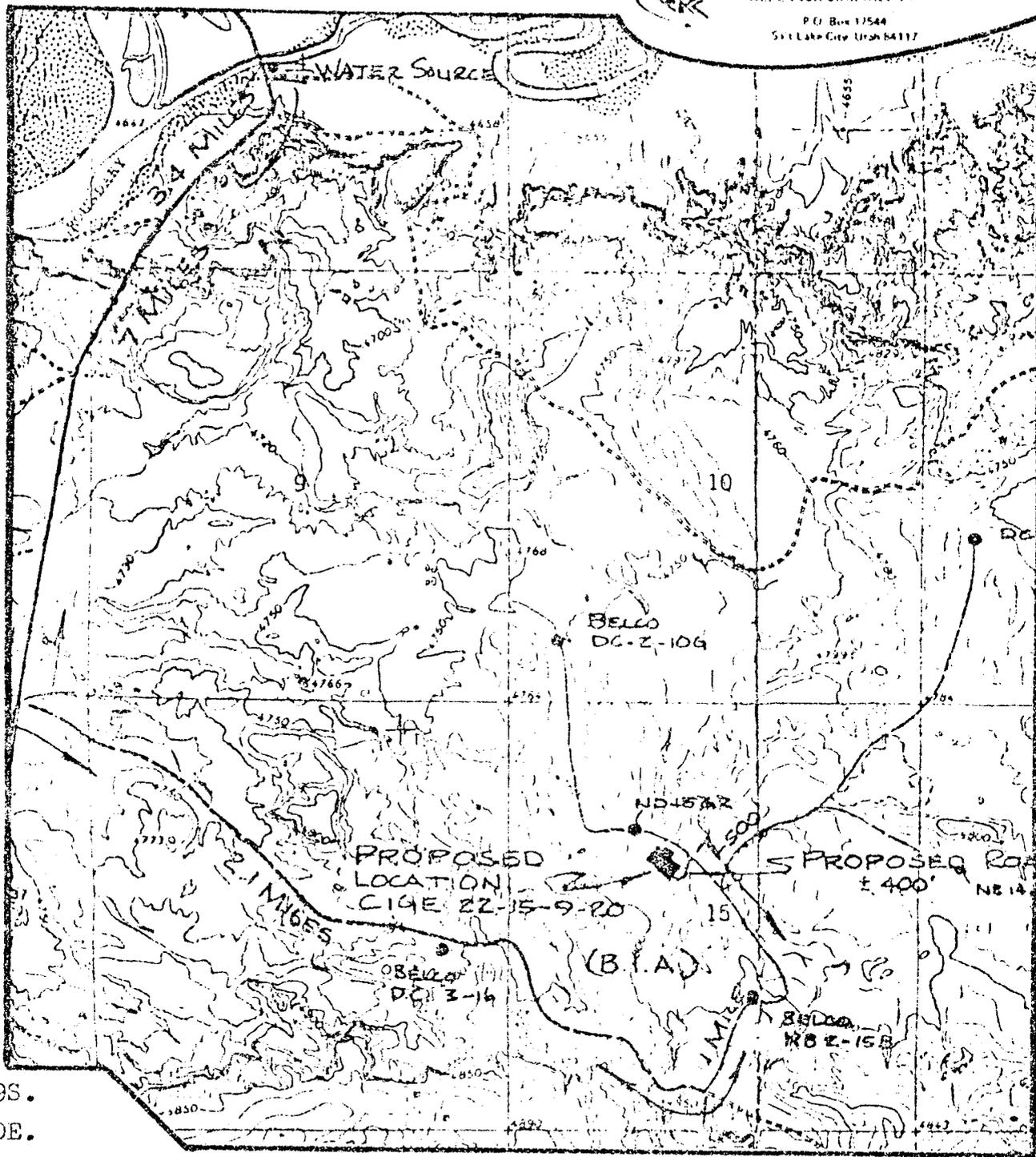
1. All vehicular traffic, personnel movement, and construction be confined to the locations examined and to access roads leading into these locations;
2. All personnel refrain from collecting individual artifacts or from disturbing any cultural resources in the area; and
3. a qualified archeologist be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

Dennis G. Weder

D. G. Weder  
Archeologist

F. R. Hauck

F. R. Hauck, Ph.D.  
President



T. 9S.  
R. 20E.

Meridian: Salt Lake B & M

Quad:

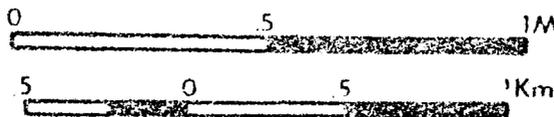
Project: GPE-78-5  
Series: Eastern Utah  
Date: 10/10/78

PROPOSED WELL LOCATION AND  
ACCESS ROAD  
CICE 22-15-9-20  
NATURAL BUTTES LOCALITY  
UINTAH COUNTY, UTAH

Ouray, Utah  
7.5' Series

Legend:

Proposed Well Location   
Proposed Access Road 



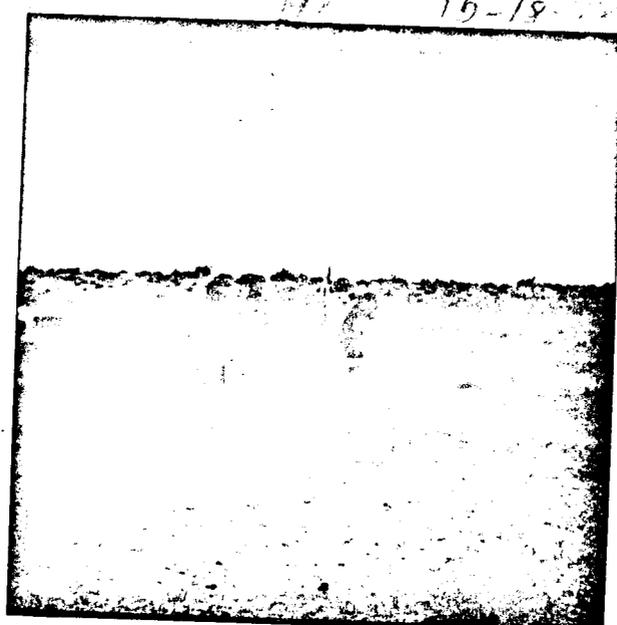
Scale

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).

11/1/78  
Date

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



CIGL 2275-Y-20-2A 1197  
U-0144868  
CSENU-15-93-2DE  
RIVER CREEK FIELD  
LH

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

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 1980'

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17. NO. OF ACRES ASSIGNED TO THIS WELL  
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 APPROXIMATELY 2125'

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 7200'

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 ROTARY

21. ELEVATIONS (Show whether DF, RT, GR, etc.)  
 4785' UNGRADED GROUND

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 NOVEMBER 1, 1978

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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#	7200'	CIRCULATE CEMENT BACK TO SURFACE

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

SEE ATTACHED SUPPLEMENTS FOR FURTHER INFORMATION:

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

State of Utah, Department of Natural Resources  
 Division of Oil, Gas, and Mining  
 1568 West North Temple  
 Salt Lake City, Utah 84116

GAS WELL PRODUCTION HOOKUP TO FOLLOW ON SUNDRY NOTICE.

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

24. SIGNED E. R. Milkiff TITLE DISTRICT SUPERINTENDENT DATE September 15, 1978  
 (This space for Federal or State office use)

PERMIT NO. \_\_\_\_\_ APPROVAL DATE \_\_\_\_\_  
 APPROVED BY W. P. Martin TITLE ACTING DISTRICT ENGINEER DATE DEC 20 1978  
 CONDITIONS OF APPROVAL, IF ANY:

CONDITIONS OF APPROVAL ATTACHED TO OPERATOR'S COPY  
 NOTICE OF APPROVAL  
 \*See Instructions On Reverse Side

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

U. S. GEOLOGICAL SURVEY - CONSERVATION DIVISION

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

TO: DISTRICT ENGINEER, O&G, SALT LAKE CITY, UTAH

SUBJECT: APD MINERAL EVALUATION REPORT

LEASE NO. 40144868

OPERATOR: CTC Exploration

WELL NO. CTCE 22-15-9-20

LOCATION: 6 1/2 E 1/2 NW 1/4 sec. 15, T. 43, R. 20 E, S. 6 N

Utah County, Utah

1. Stratigraphy: operator picked logs adequate

2. Fresh Water: probable in Uintah Fmtn

3. Leasable Minerals: Oil shale in Green River  
Gas in Wasatch

4. Additional Logs Needed: run logs specified in APD from top of Green River to TD

5. Potential Geologic Hazards: may be slightly geopressed

6. References and Remarks:

Signature: [Handwritten Signature]

Date: 10-12-78



Proposed Action:

On September 18, 1978, CIGE filed an Application for Permit to Drill the No. CIGE. 22-15-9-20 development well, a 7,200-foot oil and gas test of the Wasatch Formation; located at an elevation of 4,785 ft. in the C SE NW, sec. 15, T. 9 S., R. 20 E., on Federal mineral lands and Indian surface; Lease No. U-0144868. There was no objection raised to the wellsite nor to the access road.

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

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

The operator proposes to construct a drill pad 250 ft. wide x 375 ft. long, and a reserve pit 100 ft. wide x 50 ft. long. A new access road would be constructed 18 ft. wide x 200 ft. long from an existing and improved road. The operator proposes to construct production facilities on a disturbed area of the proposed drill pad. If production is established, plans for a gas flow line have been submitted to the appropriate agencies for approval. The anticipated starting date is November 1, 1978, and duration of drilling activities would be about 20 days.

Location and Natural Setting:

The proposed drillsite is approximately 15 mi. SE of Ouray, Utah, the nearest town. A fair road runs to within 200 ft. ~~mi.~~ of the location. This well is in the Bitter Creek field.

Topography:

Rough hills and coulees.

Geology:

The surface geology is the Uinta Formation. The soil is sandy clay. No geologic hazards are known near the drillsite. Seismic risk for the area is minor. Anticipated geologic tops are filed with the 10-Point Subsurface Protection Plan.

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

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

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

#### Soils:

No detailed soil survey has been made of the project area. The top soils in the area range from a sandy clay to a clay-type soil. The soil is subject to runoff from rainfall and has a high runoff potential, and sediment production would be high. The soils are mildly to moderately alkaline and support the salt-desert shrub community.

Top soil would be removed from the surface and stockpiled. The soil would be spread over the surface of disturbed areas when abandoned to aid in rehabilitation of the surface. Rehabilitation is necessary to prevent erosion and encroachment of undesired species on the disturbed areas. The operator proposes to rehabilitate the location and access roads per the recommendations of the Bureau of Indian Affairs.

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

#### Air:

No specific data on air quality is available at the proposed location. There would be a minor increase in air pollution due to emissions from

rig and support traffic engines. Particulate matter would increase due to dust from travel over unpaved dirt roads. The potential for increased air pollution due to leaks, spills, and fire would be possible.

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

Toxic or noxious gases would not be anticipated.

#### Precipitation:

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

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

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

#### Surface-Water Hydrology:

The location drains to Cottonwood Wash and then on to the White River.

Some additional erosion would be expected in the area since surface vegetation would be removed. If erosion became serious, drainage systems such as water bars and dikes would be installed to minimize the problem. The proposed project should have minor impact on the surface-water systems.

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

### Ground-Water Hydrology:

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

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

### Vegetation:

Very sparse native grass and sagebrush.

Plants in the area are of the salt-desert-shrub types.

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

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

### Wildlife:

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

### Social Economic Effect:

An on the ground surface archaeological reconnaissance would be required prior to approval of the proposed action. Appropriate clearances would

then be obtained from the surface managing agency. If an historic artifact, an archaeological feature or site is discovered during construction operations, activity would cease until the extent, the scientific importance, and the method of mitigating the adverse effects could be determined by a qualified cultural resource specialist.

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

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

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

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

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

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

#### Waste Disposal:

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

Alternatives to the Proposed Action:

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

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

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

Adverse Environmental Effects Which Cannot Be Avoided:

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

February 23, 1979

MEMO TO FILE

RE: CIG EXPLORATION  
CIGE 22-15-9-20  
Sec. 15, T. 9S, R. 20E  
Uintah County, Utah

This office was notified on February 23, 1979 that CIG Explorations Well # CIGE 22-15-9-20 was spudded on the same day at 12:00 noon.

The drilling contractor is ATCO and they are utilizing their Rig #5.

CLEON B. FEIGHT  
DIRECTOR  
DIVISION OF OIL, GAS AND MINING

CBF/lw

cc: U.S. Geological Survey

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

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

Form approved.  
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.  
U-0144868

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME  
NATURAL BUTTES UNIT

8. FARM OR LEASE NAME  
NATURAL BUTTES

9. WELL NO.  
CIGE 22-15-9-20

10. FIELD AND POOL, OR WILDCAT  
BITTER CREEK

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
SECTION 15-T9S-R20E

12. COUNTY OR PARISH  
UINTAH

13. STATE  
UTAH

SUNDRY NOTICES AND REPORTS ON WELLS

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

1. OIL WELL  GAS WELL  OTHER

2. NAME OF OPERATOR  
GAS PRODUCING ENTERPRISES, INC.

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

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.\*  
See also space 17 below.)  
At surface  
1980' FWL & 1980 FNL SECTION 15-T9S-R20E

14. PERMIT NO.  
43-047-30497

15. ELEVATIONS (Show whether DF, RT, GR, etc.)  
4785' 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 <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input checked="" type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) _____	SPUD <input checked="" type="checkbox"/>

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

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

CONFIRMATION OF VERBAL REPORT OF SPUD TO USGS (MARY) AND STATE (KATHY)  
ON 2/23/79.



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

SIGNED *F. R. Midkiff* TITLE DISTRICT SUPERINTENDENT DATE 2/28/79

(This space for Federal or State office use)

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

CONDITIONS OF APPROVAL, IF ANY:

NOTICE OF SPUD

WELL NAME: C16E 22-15-9-20

LOCATION: SE 1/4 NW 1/4 SECTION 15 T-9S R-20E

COUNTY: Uintah STATE: UTAH

LEASE NO.: U-0144868 LEASE EXPIRATION DATE: 11/30/70

UNIT NAME (If Applicable): NATURAL BUTTES UNIT

DATE & TIME SPUDDED: 2/23/79 12:00 noon

DRY HOLE SPUDDER: PARKER AIR DRILLING

DETAILS OF SPUD (Hole, Casing, Cement, etc.): DRILL 12 1/4" hole to 92' G.L. RAN 5 jts. 9 5/8" 36# K55CSq E set @ 192' G.L. CMT w/iso SX class 6 w/2.90 CaCl2. PD @ 4PM 2/27/79

ROTARY RIG NAME & NUMBER: Atco #5

APPROXIMATE DATE ROTARY MOVES IN: 4/10/79

FOLLOW WITH SUNDRY NOTICE

USGS CALLED: DATE: 2/23/79

PERSON CALLED: MARY

STATE CALLED: DATE: 2/23/79

PERSON CALLED: KATHY

REPORTED BY: PAT Bohner

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE

(See instructions on reverse side)

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

6

WELL COMPLETION OR RECOMPLETION REPORT AND LOG\*

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

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

2. NAME OF OPERATOR  
GAS PRODUCING ENTERPRISES, INC.

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

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)  
At surface: 1980' FWL & 1980' FNL SECTION 15-T9S-R20E  
At top prod. interval reported below: SAME AS ABOVE  
At total depth: SAME AS ABOVE

5. LEASE DESIGNATION AND SERIAL NO.  
U-0144868

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 22-15-9-20

10. FIELD AND POOL, OR WILDCAT  
BITTIER CREEK FIELD

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA  
SECTION 15-T9S-R20E



11. PERMIT NO. 43-047-30497 DATE ISSUED 9/19/78

12. COUNTY OR PARISH UTAH 13. STATE UTAH

15. DATE SUCCEEDS 2/23/79 16. DATE T.D. REACHED 3/27/79 17. DATE COMPL. (Ready to prod.) 5/15/79

18. ELEVATIONS (DF, REB, RT, GR, ETC.)\* 4785' UNGR. GR. 19. FEED. CASING HEAD UNKNOWN

20. TOTAL DEPTH, TD & TVD 7000' 21. PLUG BACK T.D., TD & TVD 6970' (FC) 22. IF MULTIPLE COMPL., HOW MANY\* N/A 23. INTERVALS DRILLED BY ROTARY TOOLS 192' GL-TD CABLE TOOLS 0 - 192' CL

24. PRODUCING INTERVAL(S), OF THIS COMPLETION--TOP, BOTTOM, NAME (MD AND TVD)\* 5705' - 6933' - WASATCH 25. WAS DIRECTIONAL SURVEY MADE YES

26. TYPE ELECTRIC AND OTHER LOGS RUN DIL, FDC-CNL 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#	192' GL	12-1/4"	150 SX.	-----
4-1/2"	13.5#	7000'	7-7/8"	2175 SX.	-----

29. LINER RECORD

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

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACER SET (MD)

31. PERFORATION RECORD (Interval, size and number)

Interval	Size	Number
5705' - 6117'	1/8"	6463'
5707' - 6135'	1/8"	6471'
5709' - 6136'	1/8"	6472'
6116' - 6460'	1/8"	6931'
6933'	1/8"	6933'

Perf w/2-1/8" csg gun w/1 JSPP @: Total 13 holes

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
5705' - 6933'	Acidized w/2600 gals 7-1/2% MSR acid + 21 RCN ball sealers Fraced w/14,000 gals slick CL wtr & 56,000 gals Apollo gel, 40#/1000 gals, +

33.\* PRODUCTION 140,000# 20/40 sand. Disp. w/4500 gals 3% KCl wtr

DATE FIRST PRODUCTION 4/27/79 PRODUCTION METHOD (Flowing, gas lift, pumping--size and type of pump) FLOWING WELL STATUS (Producing or shut-in) SI - WO PIPELINE

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL--BBL.	GAS--MCF.	WATER--BBL.	GAS-OIL RATIO
5/15/79	24	20/64"	---	0	120	TSTM	-----

FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL--BBL.	GAS--MCF.	WATER--BBL.	OIL GRAVITY-API (CORR.)
---	50	---	0	120	TSTM	-----

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

35. LIST OF ATTACHMENTS NONE

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

SIGNED *E. R. Mickiff* TITLE District Superintendent DATE 5/11/79

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



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

SUBMIT IN TRIPPLICATE  
(Other instructions on reverse side)

Form approved.  
Budget Bureau No. 42-11424.  
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.)

<p>1. <input type="checkbox"/> OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER</p> <p>2. NAME OF OPERATOR GAS PRODUCING ENTERPRISES, INC.</p> <p>3. ADDRESS OF OPERATOR P. O. BOX 749, DENVER, CO 80202</p> <p>4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface  1980' FWL &amp; 1980' FNL</p>	<div style="text-align: center;"> </div> <p>5. LEASE DESIGNATION AND SERIAL NO. U-0144868</p> <p>6. IF INDIAN, ALLOTTEE OR TRIBE NAME UTE TRIBE SURFACE</p> <p>7. UNIT AGREEMENT NAME NATURAL BUTTES UNIT</p> <p>8. FARM OR LEASE NAME NATURAL BUTTES</p> <p>9. WELL NO. CIGE 22-15-9-20</p> <p>10. FIELD AND TOOL, OR WILDCAT BITTER CREEK FIELD</p> <p>11. SEC., T., E., M., OR BLK. AND SURVEY OR ANNA SECTION 15-T9S-R20E.</p>	<p>12. COUNTY OR PARISH UINTAH</p> <p>13. STATE UTAH</p>
<p>14. PERMIT NO.</p>	<p>15. ELEVATIONS (Show whether DF, RT, GR, etc.) 4785' UNGRADED GROUND</p>	

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

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
RACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	RACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) <input type="checkbox"/>	
(Other) <input type="checkbox"/>	PIPELINE HOOKUP <input checked="" type="checkbox"/>	(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)	

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

SUPPLEMENT TO APPLICATION FOR PERMIT TO DRILL

- (1) PROPOSED GAS WELL PRODUCTION HOOKUP
  - (A) TYPICAL WELL HEAD INSTALLATION
  - (B) TYPICAL MAIN LINES AND PIPE ANCHOR DETAIL
- (2) PROPOSED PIPELINE MAP
- (3) PROPOSED ROAD FOR FLOW LINE AND PIPELINE RIGHT OF WAY

FOR ON-SITE CONTACT:

EDWARD N. NORRIS AT (801) 789-2773

OR

IRA K. McCLANAHAN AT (303) 473-2300

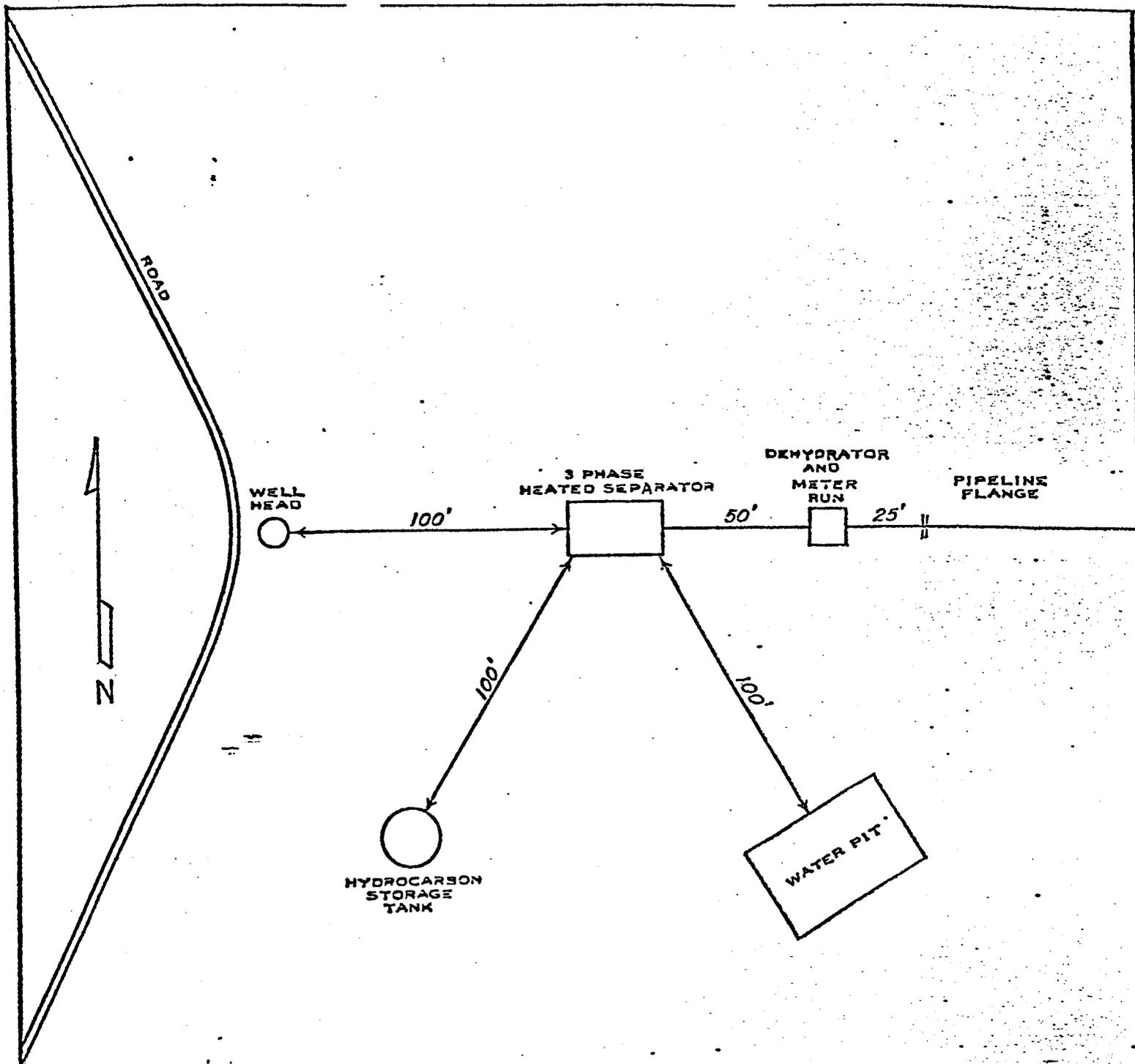
18. I hereby certify that the foregoing is true and correct

SIGNED E. R. Midkiff TITLE DISTRICT SUPERINTENDENT DATE 8/1/79

(This space for Federal or State office use)

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

CONDITIONS OF APPROVAL, IF ANY:



GAS PRODUCING ENTERPRISES, INC.  
DENVER, COLORADO

CIGE 22-15-9-20  
BITTER CREEK FIELD  
SECTION 15-T9S-R20E  
UINTAH, UTAH

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

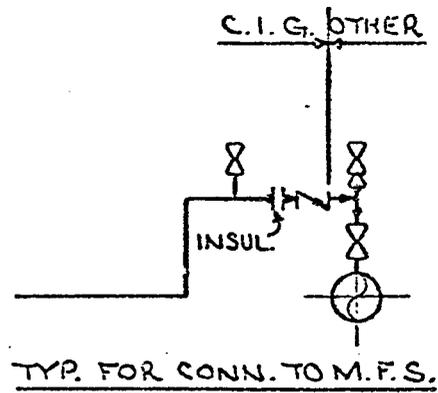
20' ±

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

EXIST. PIPELINE

ALTERNATE ANCHOR - BURY PIPELINE MIN. OF 18"

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

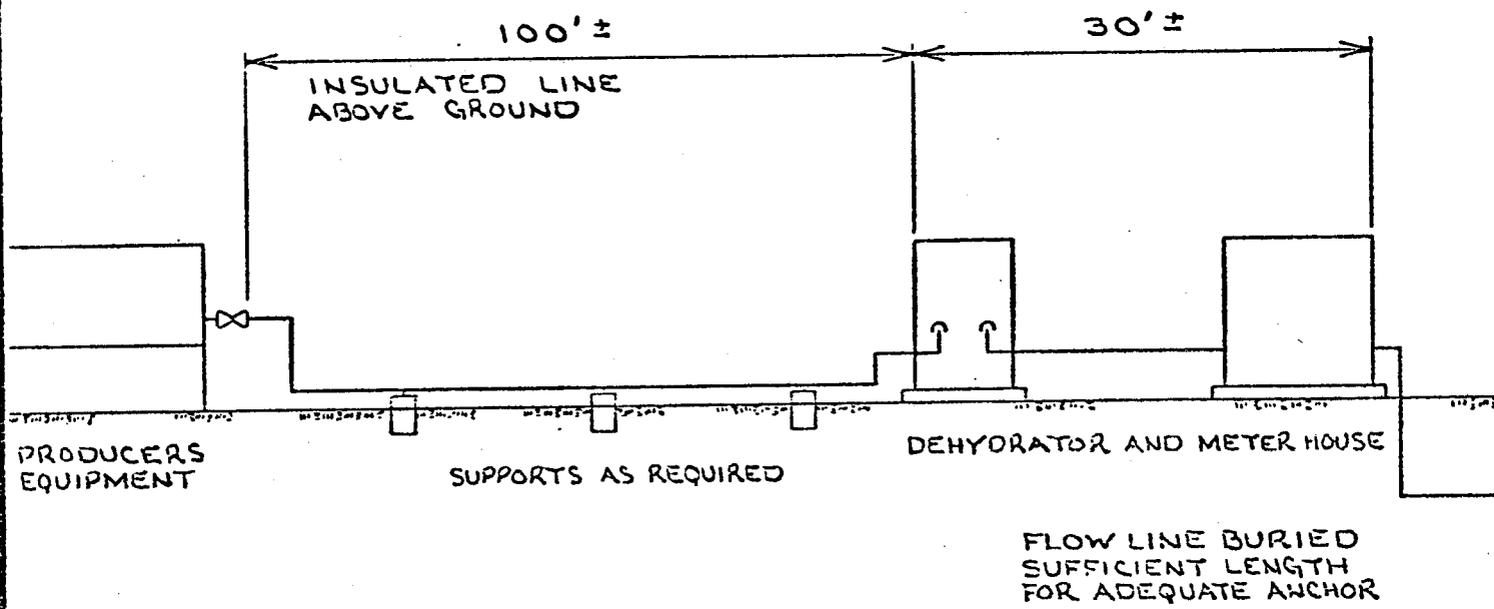


1	23858	REVISE STARTING POINT	8-22-77	RWP		
NO	C O. NO	DESCRIPTION	DATE	BY	CHK.	APP.
REVISIONS			DATE: 7-7-77 CHECK: [initials] C O 23858			

Colorado Interstate Gas Co.  
COLORADO SPRINGS, COLORADO

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

115FP-1 1/8




Colorado Interstate Gas Co.  
 COLORADO SPRINGS, COLORADO

TYPICAL WELL HEAD INSTALLATION  
 NATURAL BUTTES FIELD

UINTAH COUNTY,

UTAH

NO.	C O. NO.	DESCRIPTION	DATE	BY	CHK.	APPR.	SCALE: NONE	DRAWN: RWP	APP:	115FP-2 1/8
REVISIONS							DATE: 7-13-77	CHECK:	C O. 23858	

ESTIMATE SKETCH

DATE: 3/21/79

COLORADO INTERSTATE GAS COMPANY  
 NORTHWEST PIPELINE CORPORATION

W. O. NO.: 25327\*

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

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

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

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

MEASUREMENT  CONTRACT

RELATED DWG.: 11SFD-11C

LOCATION: 1980' FNL, 1980' FWL, SECT 15-9S-20E COUNTY: UINTAH STATE: UTAH

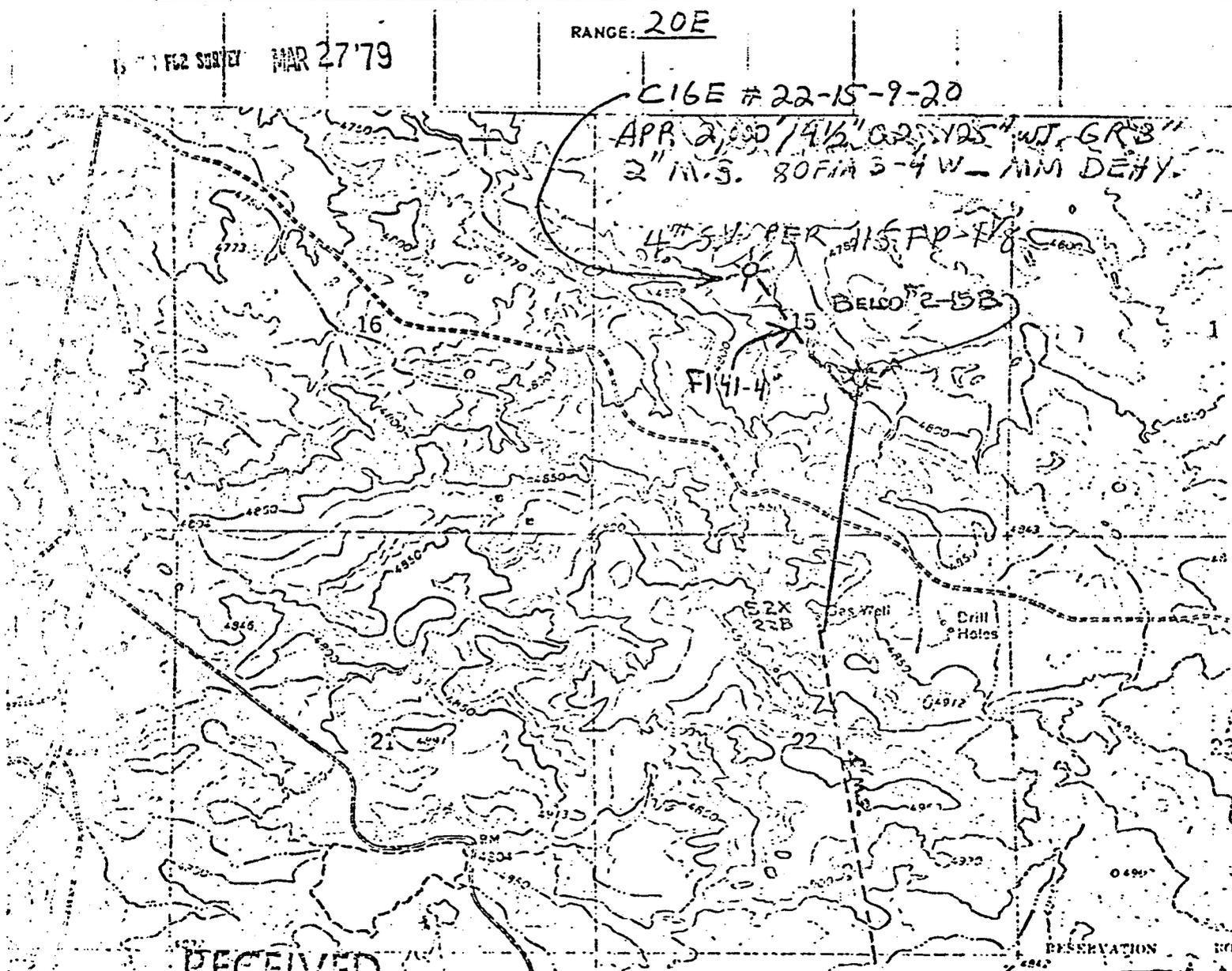
DESCRIPTION OF WORK: \_\_\_\_\_

CONNECT CISE #22-15-9-20  
S15, T9S, R20E

APPROXIMATE MILEAGE: .38 PROJECT ENGINEER: JFK

RANGE: 20E

F&E SURVEY MAR 27 '79



RECEIVED

MAR 27 1979  
ENGINEERING  
CONSTRUCTION  
SECTION

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

SCALE (IF ANY):

1"=2,000'

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

Upon approval of all concerned regulatory agencies, CIG proposes to install a surface flow line from CIGE 22-15-9-20 in a southeasterly direction through the NW/4 of Section 15 and the SE/4 of Section 15, connecting to line (F21 - 2") from Belco 2-15B in the SE/4 of Section 15, all in 9S-20E. The line will be approximately 2000' long as Shown on the attached sketches.

Pipe will be 4-1/2" O.D. x .125" W.T., Grade "B". It will be butt-welded in place using portable electric welding machines, and will be laid above ground except where burial is necessary for road crossing, ditches, or other obstructions.

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

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

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: 1980' FWL & 1980' FNL  
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>	<input type="checkbox"/>

*Approval denied*

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

5. LEASE  
U-0144868

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 22-15-9-20

10. FIELD OR WILDCAT NAME  
Natural Buttes Field

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
Section 15-T9S-T20E

12. COUNTY OR PARISH Hintah 13. STATE Utah

14. API NO.  
43-047-30497

15. ELEVATIONS (SHOW DF, KDB, AND WD)  
4785' Ungr. Gr.

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

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

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

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

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

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

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

(This space for Federal or State office use)

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

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

# THE WESTERN COMPANY

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

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

## WATER ANALYSIS

County **UINTAH**

Date Sampled **6-29-80**

Field \_\_\_\_\_

Date Received **6-30-80**

Operator **CIGE**

Submitted By **KARL ODEN**

Well **CIGE # 22**

Worked By **JOHN KOTELEC**

Depth \_\_\_\_\_

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

Formation **WASATCH**

### CHEMICAL DETERMINATIONS as parts per million

Density 1.025 @ 22°C

pH 5.2

Iron 20 ppm

Hydrogen Sulfide NONE

Sodium and Potassium 14077

Bicarbonate 220

Calcium 1280

Sulfate 2160

Magnesium 316

Phosphate \_\_\_\_\_

Chloride 22992

as Sodium Chloride 37822

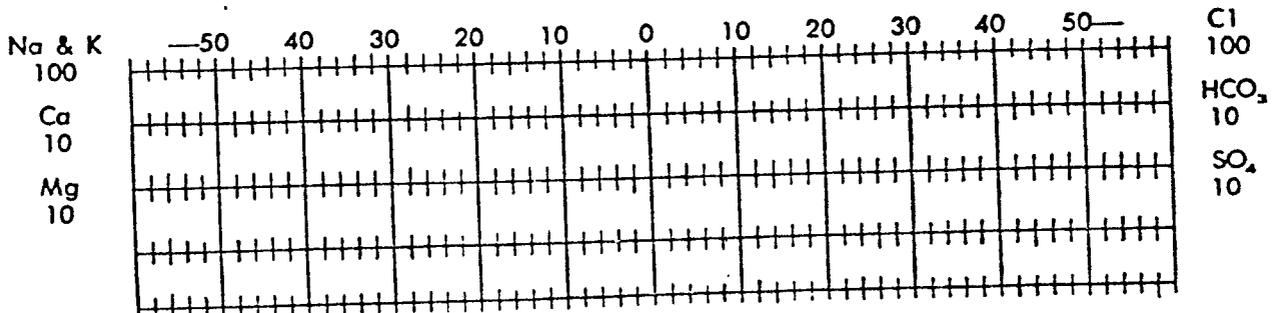
TOTAL ppm \_\_\_\_\_

Resistivity .20 ohm-meters @ 70°F

TOTAL HARDNESS - 4500 ppm as CaCO<sub>3</sub>

Remarks:

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



Per \_\_\_\_\_



WATER RIVER

6658

6655

6655

4676

10

119

RJ #1-H  
BELCO

BELCO  
D.C. 2-10G

9s

BELCO  
D.C. 7-16GR

DC 215 GR

C.I.G.E. 22-15-9-20

BELCO  
N.B. 11-14B

16

BELCO  
D.C. 3-16

BELCO N.B. 2-15B

14

C. 5-16 GR

BELCO  
N.D. 2-15AR

BELCO  
N.D. 3-15GR

C.I.G.E. 11-14-9-23

16.E 28-21-9-20

BELCO  
N.B. 2-16GR

Gas Well

Drill Holes

N.B. 12-23B

N.B. 11

BELCO N.B. 9-21B

C.I.G.E. 22-15-9-20

BELCO  
N.B. 3-8-2

U.T. 4

BELCO N.B. 3-9

BELCO  
N.B. 4-6

855

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

**STATE COPY**

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 22-15-9-20</b>																
WELL CODE <b>3</b>	SECT. <b>15</b>	LOCATION TWN/SHP/BLK <b>9S 20E</b>		RGE/SUR. <b>20E</b>		PANHANDLE/REDCAVE SEQ. NUMBER <b>00375</b>		K-FACTOR		FORMATION <b>WASATCH SA FLOW TEST</b>																							
WELL ON (OPEN)			DATE (COMP.)												FLOW TEST																		
MO.	DAY	YR.	MO.	DAY	YR.	ORIFICE SIZE	METER RUN SIZE		COEFFICIENT		GRAVITY (SEP.)		METER DIFF. RANGE		METER PRESSURE		DIFFERENTIAL ROOTS		METER TEMP.	WELL HEAD TEMP.	FLOWING TBG/CSG PRESSURE		STATIC TBG/CSG PRESSURE		FLOWING STRING TUBING CASING								
11-12	13-14	15-16	17-18	19-20	21-22	23	27	28	32	33	38	39	42	43	45	46	51	52	55	56	58	59	61	62	67	68	73	74	75				
X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
<b>02 07 84</b>			<b>02 14 84</b>			<b>00375</b>		<b>2 067</b>		<b>006860</b>		<b>0.619</b>		<b>100</b>		<b>006030</b>		<b>0260</b>		<b>063</b>		<b>006080</b>		<b>007520</b>		<b>X</b>							
WELL-OFF (SHUT-IN)			SHUT-IN TEST												SLOPE		EFFECTIVE DIAMETER		EFFECTIVE LENGTH		GRAVITY (RAW GAS)	EST CSG PRESS	EST TBG PRESS	TO THE BEST OF MY KNOWLEDGE THE ABOVE DATA IS CORRECT.									
MO.	DAY	YR.	MO.	DAY	YR.	PRESSURE TAKEN		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														
X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	E	E												
<b>02 14 84</b>			<b>02 17 84</b>			<b>004830</b>		<b>0044710</b>		<b>303</b>		<b>1.9950</b>		<b>6708</b>		<b>0.619</b>																	
METER STAMP	25422 00375										REMARKS:																						

CIG: *[Signature]*  
 OPERATOR: *[Signature]*  
 COMMISSION: \_\_\_\_\_

COLORADO INTERSTATE GAS COMPANY

WELL TEST DATA FORM

STATE COPY

WELL CODE 25422	FIELD NAME NATURAL BUTTES, UT	OPERATOR CODE 2200	OPERATOR NAME CIG EXPLORATION INC	WELL NAME CIG 22-19-9-20
WELL CODE 3	LOCATION SECT. TOWNSHIP/BLK RGE/SUR. 15 7S 20E	PANHANDLE/REDCAVE SEQ. NUMBER 00375	K-FACTOR	FORMATION ASATCH SA FLOW TEST

WELL ON (OPEN)						FLOW TEST																									
DATE (COMP.)						ORIFICE SIZE	METER RUN SIZE			COEFFICIENT	GRAVITY (SEP.)	METER DIFF RANGE			METER PRESSURE			DIFFERENTIAL ROOTS			METER TEMP.	WELL HEAD TEMP.			FLOWING TBG/CSG PRESSURE		STATIC TBG/CSG PRESSURE		FLOWING 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	
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		
06	01	83	06	18	83	00	375	2	007	0.0636	0	0.618	100							0.260	0.92										

WELL-OFF (SHUT-IN)						SHUT-IN TEST				SLOPE	EFFECTIVE DIAMETER	EFFECTIVE LENGTH	GRAVITY (RAW GAS)	EST CSG PRESS	EST TBG PRESS	TO THE BEST OF MY KNOWLEDGE THE ABOVE DATA IS CORRECT.  CIG: <i>[Signature]</i> OPERATOR: <i>[Signature]</i> COMMISSION:							
PRESSURE TAKEN DATE						CASING PRESSURE (PSIG)	TUBING PRESSURE (PSIG)	23	28								29	34	35	38	39	44	45
MO.	DAY	YR.	MO.	DAY	YR.																		
X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	E
11	03	06	14	03	03	015230	015190							803	1	9950	6700						

REMARKS: *Choke open*

25422      00375

MET. STA.

COLORADO INTERSTATE GAS COMPANY

STATE COPY

WELL TEST DATA FORM

WELL CODE 00-01-1	FIELD NAME NATURAL GUTTA, UT	OPERATOR CODE 22	OPERATOR NAME CIG EXPLORATION INC	WELL NAME CIG 02-17-2-2
----------------------	---------------------------------	---------------------	--------------------------------------	----------------------------

WELL CODE 3	SECT. 7	LOCATION TWNSHP/BLK 08422 1	RGE/SUR. 20	PANHANDLE/REDCAVE SEQ. NUMBER 00375	K-FACTOR	FORMATION ATCHA FIELD TEST	1
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WELL ON (OPEN)										FLOW TEST																										
DATE (COMP.)			ORIFICE SIZE		METER RUN SIZE		COEFFICIENT		GRAVITY (SEP.)		METER DIFF. RANGE		METER PRESSURE		DIFFERENTIAL ROOTS		METER TEMP.		WELL HEAD TEMP.		FLOWING TBG/CSG PRESSURE		STATIC TBG/CSG PRESSURE		FLOWING STRING TUBING CASING											
MO.	DAY	YR.	MO.	DAY	YR.	MO.	DAY	YR.	MO.	DAY	YR.	MO.	DAY	YR.	MO.	DAY	YR.	MO.	DAY	YR.	MO.	DAY	YR.	MO.	DAY	YR.	MO.	DAY	YR.	MO.	DAY	YR.				
11	12	13	14	15	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
06	08	82	06	15	82	00	375			00686	0	0628	1	00654	0	0800	085			00655	0	01039	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.  CIG: <i>[Signature]</i> OPERATOR: _____ COMMISSION: _____																			
DATE			PRESSURE TAKEN		DATE		CASING PRESSURE (PSIG)		TUBING PRESSURE (PSIG)																											
MO.	DAY	YR.	MO.	DAY	YR.	MO.	DAY	YR.	MO.	DAY	YR.	MO.	DAY	YR.	MO.	DAY		YR.																		
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	E	E									
15	82	06	18	82	01508	0	01512	0																												

MET STAMP	25422 00375	REMARKS: <i>Est diff</i> <i>1000</i>
--------------	-------------	--------------------------------------







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  
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COGC NBU #19  
COGC NBU #20  
COGC NBU #22  
COGC NBU #23N  
COGC NBU #24N2  
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 #38N2  
COGC NBU #39N  
COGC NBU #41J  
COGC NBU #43N  
COGC NBU #45N  
COGC NBU #46N

RECEIVED  
FEB 14 1981

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  
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CIGE NBU #28-35-9-21  
CIGE NBU #30-6-10-21  
CIGE NBU #31-1-10-22  
CIGE NBU #32A-20-9-20

95, JOE, 15 30497

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

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

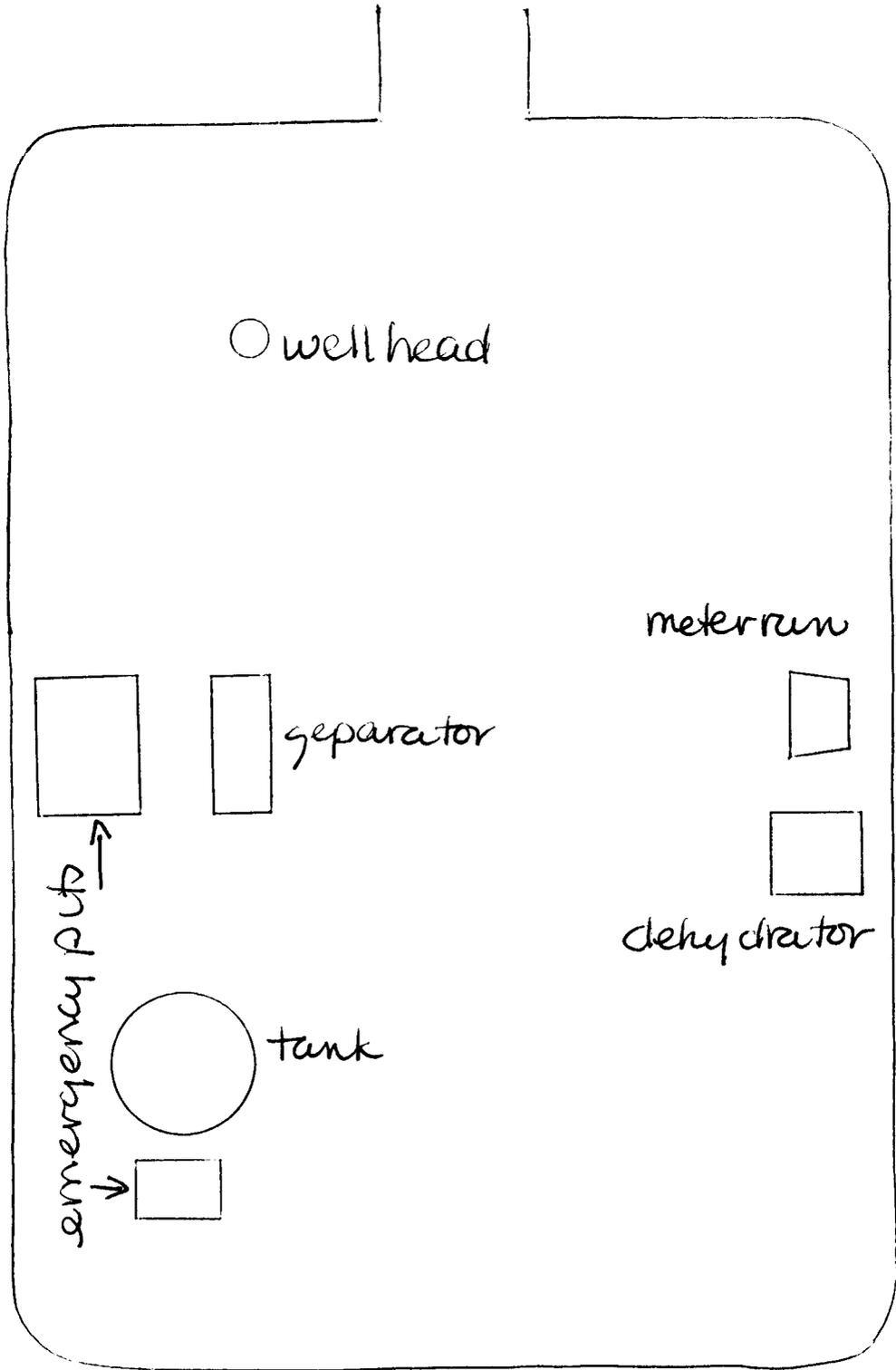
Powell Fee #3

Powell Fee #4

Ute Tribal #1-31

Powell Fee #3 SWD

NBU CIG E 22-15-9-20 Sec 15, T95, R20E Kuby 114189



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-0144868

6. If Indian, Allottee or Tribe Name

N/A

7. If Unit or CA, Agreement Designation

Natural Buttes Unit

8. Well Name and No.

CIGE-22-15-9-20

9. API Well No.

43-047-30497

10. Field and Pool, Or Exploratory Area

Natural Buttes Field

11. County or Parish, State

Uintah County, Utah

**SUBMIT IN TRIPLICATE**

1. Type of Well

Oil Well  Gas Well  Other

2. Name of Operator

Coastal Oil & Gas Corporation

3. Address and Telephone No.

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

(303) 573-4476

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

1980' FNL & 1980' FWL

Section 15-T9S-R20E

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 returned to production

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.)\*

Well was returned to production on 11/1/96

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

Signed Sheila Bremer  
Sheila Bremer

Title Environmental & Safety Analyst

Date 01/02/97

(This space for Federal or State office use)

APPROVED BY

Title

Date

Conditions of approval, if any:

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

\*See Instruction on Reverse Side



Well Name	API No.	Lease Designation & serial number	If Indian, Allottee or Tribe Name	Footages	Qtr/Qtr	Location	Field	County
CIGE 19	43-047-30459	ML-3141-A	Ute Tribe	1231' FWL & 1223' FSL	SWSW	Sec. 16-9S-21E	Natural Buttes	Uintah
CIGE 22	43-047- <del>30501</del>	U-0144868 <i>30499</i>	N/A	1980' FNL & 1980' FWL	SENE	Sec. 15-9S-20E	Natural Buttes	Uintah
CIGE 30	43-047-30498	U-01791	N/A	1307' FNL & 1419' FWL	SWSE	Sec. 6-10S-21E	Natural Buttes	Uintah
CIGE 37D	43-047-30910	U-0576	Ute Surface	1031' FSL & 1481' FEL	SWSE	Sec. 21-9S-21E	Natural Buttes	Uintah
CIGE 44	43-047-30527	U-01188	Ute Tribal	513' FSL & 503' FEL	SESE	Sec. 9-9S-21E	Natural Buttes	Uintah
CIGE 45	43-047-30528	U-01193	Ute Tribe	1019' FNL & 778' FEL	NENE	Sec. 15-9S-21E	Natural Buttes	Uintah
CIGE 60	43-047-30549	U-01193	Ute Surface	2156' FNL & 1813' FWL	SENE	Sec. 14-9S-21E	Natural Buttes	Uintah
CIGE 61	43-047-30580	U-01193	Ute Surface	1815' FNL & 1822' FWL	SENE	Sec. 13-9S-21E	Natural Buttes	Uintah
CIGE 71	43-047-30636	U-0575	Ute Surface	1894' FSL & 804' FEL	NESE	Sec. 20-9S-21E	Natural Buttes	Uintah
CIGE 78C	43-047-30870	U-38409	Ute Tribe	1279' FNL & 1477' FWL	NENW	Sec. 16-9S-21E	Natural Buttes	Uintah
CIGE 86D	43-047-30886	ML-3282	Ute Tribe	1080' FSL & 1558' FEL	SWSE	Sec. 16-9S-21E	Natural Buttes	Uintah
CIGE 99D	43-407-31223	U-01189-ST	N/A	760' FNL & 1980' FEL	NWNE	Sec. 26-9S-21E	Natural Buttes	Uintah
CIGE 110	43-047-31959	UTU-0575B	Ute Surface	553' FSL & 2016' FEL	SWSE	Sec. 7-9S-21E	Natural Buttes	Uintah
CIGE 111D	43-047-32305	U-01193	Ute Surface	1041' FSL & 2265' FWL	SENE	Sec. 13-9S-21E	Natural Buttes	Uintah
CIGE 112D	43-047-31945	UTU-0581	N/A	660' FSL & 660' FEL	SESE	Sec. 19-9S-20E	Natural Buttes	Uintah
CIGE 120	43-047-32251	UTU-0144868	Ute Tribe	883' FNL & 1142' FEL	NENE	Sec. 15-9S-20E	Natural Buttes	Uintah
CIGE 121	43-047-32252	UTU-0144868	N/A	1996' FNL & 1980' FEL	SWNE	Sec. 15-9S-20E	Natural Buttes	Uintah
CIGE 122	43-047-32098	UTU-0149767	Ute Surface	1064' FNL & 918' FEL	NENE	Sec. 7-9S-21E	Natural Buttes	Uintah
CIGE 125	43-047-32084	UTU-01193	Ute Surface	707' FNL & 635' FWL	NESW	Sec. 16-9S-21E	Natural Buttes	Uintah
CIGE 127	43-047-32036	ML-3141	Ute Tribe	2175' FSL & 2200' FWL	NESW	Sec. 16-9S-21E	Natural Buttes	Uintah
CIGE 142	43-047-31994	ML-01189	N/A	1461' FNL & 847' FEL	SENE	Sec. 25-9S-21E	Natural Buttes	Uintah
CIGE156	43-047-32195	ML-3282	Ute Tribe	1776' FSL & 611' FEL	NESE	Sec. 16-9S-21E	Natural Buttes	Uintah
CIGE157	43-047-32160	UTU-38409	N/A	2200' FNL & 700' FWL	SWNW	Sec. 16-9S-21E	Natural Buttes	Uintah
CIGE 158	43-047-32158	UTU-0576	N/A	1980' FSL & 660' FEL	NESE	Sec. 21-9S-21E	Natural Buttes	Uintah
CIGE 163	43-047-32192	UTU-01193	Ute	1678' FNL & 803' FEL	SENE	Sec. 15-9S-21E	Natural Buttes	Uintah
CIGE 170	43-047-32403	U-01193	Ute Surface	632' FWL & 1775' FNL	SWNE	Sec. 14-9S-21E	Natural Buttes	Uintah
CIGE 171	43-047-32348	U-01095-A	Ute Tribe	377' FSL & 2008' FEL	SWSE	Sec. 15-9S-21E	Natural Buttes	Uintah
COGC 2	43-047-30967	U-0577-B	Ute Surface	802' FNL & 1902' FWL	NENW	Sec. 22-9S-20E	Natural Buttes	Uintah
NBU 6	43-047-30083	U-0149076	Ute Surface	1434' FEL & 1356' FSL	NWSE	Sec. 24-9S-21E	Natural Buttes	Uintah
NBU 42	43-047-31735	U-463	N/A	2181' FNL & 1621' FWL	SENE	Sec. 30-9S-22E	Natural Buttes	Uintah
NBU 45N	43-047-30875	U-0144868-B	N/A	1555' FSL & 792' FWL	SWSW	Sec. 12-9S-20E	Natural Buttes	Uintah
NBU 48N3	43-047-30538	U-0359	Ute	1866' FNL & 382' FWL	SWNW	Sec. 18-9S-22E	Natural Buttes	Uintah
NBU 49V	43-047-31249	U-463	N/A	1161' FNL & 2017' FEL	NWNE	Sec. 30-9S-22E	Natural Buttes	Uintah
NBU 52J	43-047-30850	U-463	N/A	2122' FSL & 754' FWL	NWSW	Sec. 30-9S-22E	Natural Buttes	Uintah
NBU 57N	43-047-30867	U-01194ST	N/A	570' FNL & 1925' FWL	NENW	Sec. 27-9S-21E	Natural Buttes	Uintah
NBU 63N3	43-047-31097	U-14317	Ute Surface	1980' FNL & 660' FWL	SWNW	Sec. 12-9S-21E	Natural Buttes	Uintah
NBU 64N3	43-047-31098	U-0575-B	Ute Tribe	1975' FSL & 751' FEL	NESE	Sec. 8-9S-21E	Natural Buttes	Uintah
NBU 78	43-047-31762	U-463	N/A	1239' FNL & 625' FWL	NWNW	Sec. 30-9S-22E	Natural Buttes	Uintah

Well Name	API No.	Lease Designation & serial number	If Indian, Allottee or Tribe Name	Footages	Qtr/Qtr	Location	Field	County
NBU 83J	43-047-31235	U-01194-A-ST	N/A	1532' FSL & 1835' FWL	NESW	Sec. 27-9S-21E	Natural Buttes	Uintah
NBU 104	43-047-31957	ML-3282	Ute Surface	1181' FNL & 986' FEL	SENE	Sec. 16-9S-21E	Natural Buttes	Uintah
NBU 106	43-047-31946	UTU-0576	N/A	1980' FSL & 1980' FWL	NESW	Sec. 21-9S-21E	Natural Buttes	Uintah
NBU 110	43-047-31924	UTU-0576	N/A	637' FNL & 698' FEL	NENE	Sec. 28-9S-21E	Natural Buttes	Uintah
NBU 119	43-047-31927	UTU-01416A	N/A	603' FNL & 528' FEL	NENE	Sec. 15-10S-21E	Natural Buttes	Uintah
NBU 121Y	43-047-32086	UTU-01193	Ute Surface	819' FNL & 2163' FEL	NWNE	Sec. 13-9S-21E	Natural Buttes	Uintah
NBU 122	43-047-32303	U-01193	Ute Tribe	1047' FSL & 678' FEL	NESE	Sec. 13-9S-21E	Natural Buttes	Uintah
NBU 124	43-047-31971	ML-3282	Ute Tribe	435' FNL & 2295' FEL	NWNE	Sec. 16-9S-21E	Natural Buttes	Uintah
NBU 125	43-047-32350	U-0575	N/A	760' FEL & 620' FSL	SESE	Sec. 17-9S-21E	Natural Buttes	Uintah
NBU126	43-047-32349	U-0576	N/A	2200' FWL & 1600' FNL	SENE	Sec. 21-9S-21E	Natural Buttes	Uintah
NBU 127	43-047-31963	UTU-0576	Ute Tribe	2285' FNL & 741' FWL	SWNW	Sec. 21-9S-21E	Natural Buttes	Uintah
NBU 128	43-047-31964	UTU-0576	Ute Surface	996' FSL & 951' FWL	SWSW	Sec. 21-9S-21E	Natural Buttes	Uintah
NBU 129	43-047-31965	UTU-010950A	Ute Tribe	2055' FNL & 569' FEL	SENE	Sec. 22-9S-21E	Natural Buttes	Uintah
NBU 130	43-047-31967	UTU-0147566	N/A	2159' FNL & 828' FWL	SWNW	Sec. 22-9S-21E	Natural Buttes	Uintah
NBU 133	43-047-31978	ML-22582	N/A	469' FSL & 1740' FEL	SWSE	Sec. 35-9S-21E	Natural Buttes	Uintah
NBU 144	43-047-32022	ML-22651	N/A	1501' FNL & 1719' FEL	SWNE	Sec. 2-10S-22E	Natural Buttes	Uintah
NBU 145	43-047-31976	ST-U-01194A	N/A	661' FNL & 1440' FEL	NWNE	Sec. 27-9S-21E	Natural Buttes	Uintah
NBU 175	43-047-32143	U-0576	N/A	1902' FWL & 658' FNL	SWNW	Sec. 28-9S-21E	Natural Buttes	Uintah
NBU 176	43-047-32144	U-0576	N/A	2071' FNL & 604' FWL	SWNW	Sec. 28-9S-21E	Natural Buttes	Uintah
NBU 177	43-047-32112	UTU-0581	N/A	1855' FSL & 760' FEL	NESE	Sec. 29-9S-21E	Natural Buttes	Uintah
NBU 178	43-047-32121	UTU-0581	N/A	466' FNL & 1781' FEL	NWNE	Sec. 30-9S-21E	Natural Buttes	Uintah
NBU 181	43-047-32161	UTU-0576	Ute Tribe	503' FSL & 1849' FWL	SESW	Sec. 9-9S-21E	Natural Buttes	Uintah
NBU 183	43-047-32122	U-01194A	N/A	2014' FNL & 646' FWL	SWNW	Sec. 27-9S-21E	Natural Buttes	Uintah
NBU 184	43-047-32170	UTU-0463	N/A	541' FSL & 1778' FWL	SESW	Sec. 30-9S-22E	Natural Buttes	Uintah
NBU 191	43-047-32298	U-010950-A	N/A	694' FSL & 383' FWL	SWSW	Sec. 15-9S-21E	Natural Buttes	Uintah
NBU 192	43-047-32299	U-0147566	N/A	753' FNL & 2013' FWL	NENW	Sec. 22-9S-21E	Natural Buttes	Uintah
NBU 193	43-047-32300	U-010950-A	N/A	660' FSL & 660' FWL	SWSW	Sec. 22-9S-21E	Natural Buttes	Uintah
NBU 194	43-047-32296	U-010959-A	N/A	1765' FSL & 1709' FWL	NESW	Sec. 22-9S-21E	Natural Buttes	Uintah
NBU 195	43-047-32355	U-014137	N/A	700' FNL & 2000' FEL	NWNE	Sec. 11-9S-21E	Natural Buttes	Uintah
NBU 199	43-047-32337	U-0576-A	Ute Surface	369' FWL & 460' FSL	SWSW	Sec. 9-9S-21E	Natural Buttes	Uintah
NBU 202	43-047-32338	U-0149767	N/A	900' FNL & 600' FEL	NENE	Sec. 8-9S-21E	Natural Buttes	Uintah
NBU 214	43-047-32466	U-01194A-ST	N/A	1945' FSL & 600' FWL	NWSW	Sec. 27-9S-21E	Natural Buttes	Uintah
NBU 312-2E	43-047-32288	ML-21510	Ute Surface	1181' FSL & 1992' FEL	SWSE	Sec. 2-9S-21E	Natural Buttes	Uintah
NBU 36Y	43-047-30603	U-0581	N/A	1545' FNL & 1250' FEL	SENE	Sec. 30-9S-21E	Natural Buttes	Uintah
NBU 166	43-047-32065	UTU-0576	N/A	941' FSL & 1693' FEL	SWSE	Sec. 28-9S-21E	Natural Buttes	Uintah



# 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

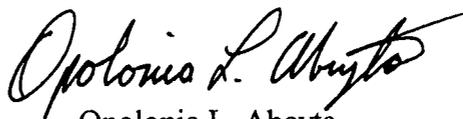
Acceptable evidence has been received in this office concerning the name change of Coastal Oil & Gas Corporation into El Paso Production Oil & Gas Company with El Paso Production Oil & Gas Company being the surviving entity.

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	

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 depths, 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, AGENCY, COMMITTEE OR TRIBE NAME:  
7. UNIT OR CAFE 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"/> DEEPEEN	<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

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

Office of the Secretary of State

---

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

RECEIVED

MAR 9 2001

DIVISION OF  
OIL, GAS AND MINING



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

0610204 8100

AUTHENTICATION: 1061007

010162788

DATE: 04-03-01

CERTIFICATE OF AMENDMENT  
OF  
CERTIFICATE OF INCORPORATION

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

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

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

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

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

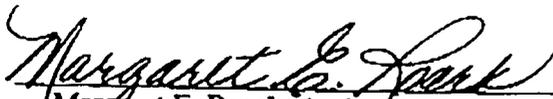
THIRD: That the aforesaid amendment was duly adopted in accordance with the applicable provisions of Sections 242 and 228 of the General Corporation Law of the State of Delaware.

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

COASTAL OIL & GAS CORPORATION

  
David L. Siddall  
Vice President

Attest:

  
Margaret E. Roark, Assistant Secretary

RECEIVED

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

JUN 19 2001

DIVISION OF  
OIL, GAS AND MINING



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: 07/25/2001
2. Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 07/25/2001
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 filed 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  
Engineer Technician

Encl:

# 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

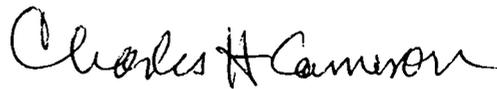
We have been advised of changes occurring with the operation of your database for Change of Operator. You will be modifying your records to reflect Change of Operator once you have received all necessary documentation from the companies involved, and perhaps in advance of our Notice of Concurrence/Approval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

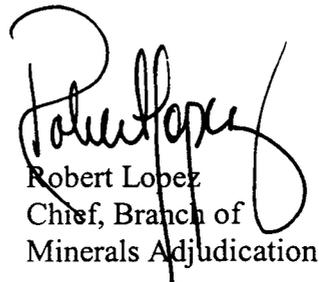
For our purposes, the name change is recognized effective December 31, 2001.

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)



# 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: <b>Exhibit "A"</b>
2. NAME OF OPERATOR: <b>El Paso Production Oil &amp; Gas Company</b>		9. API NUMBER:
3. ADDRESS OF OPERATOR: <b>9 Greenway Plaza Houston TX 77064-0995</b>		PHONE NUMBER: <b>(832) 676-5933</b>
4. LOCATION OF WELL		10. FIELD AND POOL, OR WILDCAT:

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**

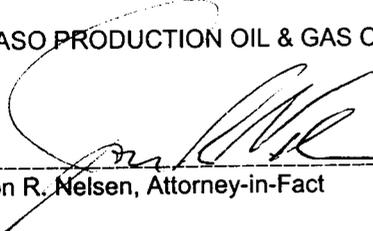
TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> <b>NOTICE OF INTENT</b> (Submit in Duplicate)  Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING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

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

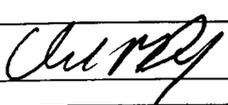
Operator change to Westport Oil and Gas Company, L.P., 1670 Broadway, Suite 2800, Denver, CO. 80202-4800, effective December 17, 2002.

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

EL PASO PRODUCTION OIL & GAS COMPANY

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

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

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

(This space for State use only)

Form 3160-5  
(August 1999)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUNDRY NOTICES AND REPORTS ON WELLS

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

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

5. Lease Serial No.  
**SEE ATTACHED EXHIBIT "A"**  
6. If Indian, Allottee or Tribe Name

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

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

1. Type of Well  
 Oil Well  Gas Well  Other

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

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

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

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

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

10. Field and Pool, or Exploratory Area

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

11. County or Parish, State

**SEE ATTACHED EXHIBIT "A"**

**UINTAH COUNTY, UT**

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)
<input type="checkbox"/> 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>SUCCESSOR 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 recompletes 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

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	✓
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:		<b>12-17-02</b>
<b>FROM: (Old Operator):</b>		<b>TO: ( New Operator):</b>
EL PASO PRODUCTION OIL & GAS COMPANY		WESTPORT OIL & GAS COMPANY LP
Address: 9 GREENWAY PLAZA		Address: P O BOX 1148
HOUSTON, TX 77064-0995		VERNAL, UT 84078
Phone: 1-(832)-676-5933		Phone: 1-(435)-781-7023
Account No. N1845		Account No. N2115

**CA No. Unit: NATURAL BUTTES**

**WELL(S)**

NAME	SEC TWN RNG	API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS
ANKERPONT 35-36	35-08S-21E	43-047-31960	2900	FEDERAL	GW	P
NBU 49-12B	12-09S-20E	43-047-30470	2900	FEDERAL	GW	P
NBU 45N	12-09S-20E	43-047-30875	2900	FEDERAL	GW	P
NBU 317-12E	12-09S-20E	43-047-32362	2900	FEDERAL	GW	P
NBU 2-15B	15-09S-20E	43-047-30262	2900	FEDERAL	GW	P
NBU CIGE 22-15-9-20	15-09S-20E	43-047-30497	2900	FEDERAL	GW	P
CIGE 120-15-9-20	15-09S-20E	43-047-32251	2900	FEDERAL	GW	P
CIGE 121-15-9-20	15-09S-20E	43-047-32252	2900	FEDERAL	GW	P
CIGE 265	15-09S-20E	43-047-34781	99999	FEDERAL	GW	APD
NBU 322-15E	15-09S-20E	43-047-33139	2900	FEDERAL	GW	S
NBU CIGE 32A-20-9-20	20-09S-20E	43-047-30496	2900	FEDERAL	GW	PA
NBU 19-21B	21-09S-20E	43-047-30328	2900	FEDERAL	GW	P
NBU 66	21-09S-20E	43-047-31086	99998	FEDERAL	GW	PA
NBU 118	22-09S-20E	43-047-31969	2900	FEDERAL	GW	P
NBU 119	22-09S-20E	43-047-31973	2900	FEDERAL	GW	P
NBU 294	22-09S-20E	43-047-33020	99998	FEDERAL	GW	PA
NBU 294X	22-09S-20E	43-047-33465	2900	FEDERAL	GW	P
NBU 448	22-09S-20E	43-047-34782	99999	FEDERAL	GW	APD
NATURAL BUTTES SWD 4-22	22-09S-20E	43-047-33611	99999	FEDERAL	GW	LA
NBU 7	23-09S-20E	43-047-15379	9244	FEDERAL	GW	PA

**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: 02/28/2003
2. (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 03/04/2003
3. The new company has been checked through the **Department of Commerce, Division of Corporations Database** on: 03/06/2003
4. Is the new operator registered in the State of Utah: YES Business Number: 1355743-0181
5. 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: 03/07/2003

2. Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 03/07/2003

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

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

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

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

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

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

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

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

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

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

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

The Division sent response by letter on: N/A

**LEASE INTEREST OWNER NOTIFICATION:**

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

**COMMENTS:**

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

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

SUNDRY NOTICES AND REPORTS ON WELLS

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

5. Lease Serial No.  
Multiple Wells - see attached  
6. If Indian, Allottee or Tribe Name

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

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

1. Type of Well  
 Oil Well  Gas Well  Other

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

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

9. API Well No.  
Multiple Wells - see attached

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

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

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

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

11. County or Parish, State  
Uintah County, UT

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

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

13. Describe Proposed or Completed Operations (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or 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 IIIC.a. requiring each sales tank be equipped with a pressure-vacuum thief hatch and/or vent line valve. The variance is requested as an economic analysis shows the value of the shrunk condensate will not payout the incremental cost of purchasing and maintaining the valve resulting in a loss of value over the producing life of the well.

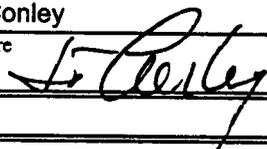
The volume lost to shrinkage by dropping the tank pressure from 6 ozs. to 0 psig is shown to be 0.3% of the tank volume. This was determined by lab analysis of a representative sample from the field. The sample shrunk from 98.82% of original volume to 98.52% when the pressure was dropped. The average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

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

Name (Printed/Typed)

J.T. Conley

Signature



COPY SENT TO OPERATOR

Date: 9-2-03

Initials: JHD Date: 9-2-2003

Title

Operations Manager

SEP 10 2003

DIV. OF OIL GAS & MINING

THIS SPACE FOR FEDERAL OR STATE USE

Approved by

Title

Accepted by the  
Utah Division of  
Oil, Gas and Mining

Date

Federal Approval of This  
Action is Necessary

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

Office

Date: 9/16/03

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

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

**Project Economics Worksheet**

**Instructions:**

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

Project Name:

**Condensate Shrinkage Economics**

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

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

**Increased OPX Per Year**

**Investment Breakdown:**

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

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

**Production & OPX Detail:**

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

**Project Life:**

Life =  Years  
(Life no longer than 20 years)

**Internal Rate of Return:**

After Tax IROR =

**AT Cum Cashflow:**

Operating Cashflow =  (Discounted @ 10%)

**Payout Calculation:**

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

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

Payout =  Years or  Days

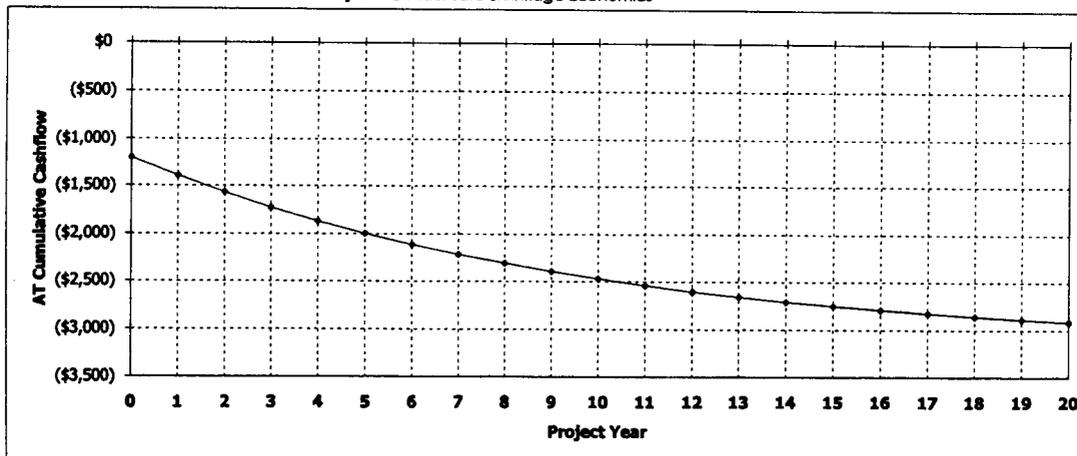
**Gross Reserves:**

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

**Notes/Assumptions:**

**An average NBU well produces 0.192 Bcpd with no tank pressure. The production is increased to 0.194 Bcpd if 6 ozs of pressure are placed on the tank. The increased production does not payout the valve cost or the estimated annual maintenance costs.**

Project: Condensate Shrinkage Economics



**Westport Oil and Gas, Inc.**

**NBU/Ouray Field**

RFL 2003-022

**COMPARISON OF FLASH BACK PRESSURES**

Calculated by Characterized Equation-of-State

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

**Calculated at Laboratory Flash Conditions**

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

**Calculated Flash with Backpressure using Tuned EOS**

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

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

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

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

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

CIGE 011GR	14-9-20 SWSE	UTU02277A	891008900A	430473042000S1
CIGE 013	7-10-21 NESE	UTU02270A	891008900A	430473042000S1
CIGE 014	9-10-21 NESW	UTU01196B	891008900A	430473048400S1
CIGE 018	2-10-21 NWNE	ML22652	891008900A	430473047100S1 ✓
CIGE 019	16-9-21 SWSW	ML3141A	891008900A	430473045900S1
CIGE 020	20-10-21 SESW	UTU02278	891008900A	430473048500S1
CIGE 022	15-9-20 SENW	UTU0144868	891008900A	430473049700S1
CIGE 023	7-10-22 SESE	ML23609	891008900A	430473033300S1 ✓
CIGE 024	29-9-22 SESW	U01207	891008900A	430473049300S1
CIGE 025	34-9-22 SENW	UTU0149077	891008900A	430473073700S1
CIGE 027	33-9-22 NENW	UTU01191A	891008900A	430473073800S1
CIGE 028	35-9-21 NESE	ML22582	891008900A	430473073900S1 ✓
CIGE 030	6-10-21 NENW	UTU01791	891008900A	430473049800S1
CIGE 031	1-10-22 SWNW	U011336	891008900A	430473051100S1
CIGE 032A	20-9-20 NESW	UTU01567A	891008900A	430473049600S1
CIGE 034	13-10-20 SWNE	UTU02270A	891008900A	430473050800S1
CIGE 035	1-10-20 NESW	UTU02270A	891008900A	430473049400S1
CIGE 036D	32-9-22 NWNW	ML22649	891008900A	430473083300S1 ✓
CIGE 037D	21-9-21 SWSE	UTU0576	891008900A	430473091000S1
CIGE 038D	4-10-21 SWSE	U01416	891008900A	430473049500S1
CIGE 040	3-10-21 NESW	UTU0149078	891008900A	430473074000S1
CIGE 042	25-9-21 SWSE	U04139	891008900A	430473049200S1 ✓
CIGE 043	14-10-22 SENW	U01197A	891008900A	430473049100S1 ✓
CIGE 044	9-9-21 SESE	UTU01188	891008900A	430473052700S1
CIGE 045	15-9-21 NESE	UTU01193	891008900A	430473052800S1
CIGE 046	21-9-21 NENE	UTU0576	891008900A	430473052900S1
CIGE 047	14-10-21 NWSE	UTU01393C	891008900A	430473051000S1
CIGE 048	15-10-21 SWNE	UTU01416A	891008900A	430473050600S1
CIGE 051D	31-9-22 NENE	U01191	891008900A	430473088900S1 ✓
CIGE 052	5-10-22 SENW	UTU01195	891008900A	430473053100S1
CIGE 053	6-10-22 NESW	UTU01195	891008900A	430473053300S1
CIGE 054D	35-9-21 NENE	ML22582	891008900A	430473085100S1 ✓
CIGE 055	1-10-21 SENW	ML23612	891008900A	430473051200S1 ✓
CIGE 056	34-9-21 SWSE	U01194A	891008900A	430473053000S1 ✓
CIGE 057	10-10-21 NENE	UTU0149079	891008900A	430473054300S1
CIGE 058	16-10-21 SESE	ML10755	891008900A	430473053200S1
CIGE 060	14-9-21 SENW	UTU01193	891008900A	430473054900S1
CIGE 061	13-9-21 SENW	U01193	891008900A	430473055000S1
CIGE 062D	36-9-22 NWSW	ML22650	891008900A	430473088500S1 ✓
CIGE 063D	29-9-22 NWNW	UTU462	891008900A	430473094900S1
CIGE 064D	33-9-22 SWSW	UTU01191A	891008900A	430473095000S1
CIGE 066	23-10-21 SENW	UTU02278A	891008900A	430473054200S1
CIGE 067A	2-10-22 NENE	ML22651	891008900A	430473093800S1
CIGE 068D	35-9-22 NWSW	UTU010954A	891008900A	430473095100S1
CIGE 069	19-10-21 SENW	ML22792	891008900A	430473063500S1
CIGE 070	20-9-21 NESE	UTU0575	891008900A	430473063600S1
CIGE 071	7-9-21 NESE	UTU0575B	891008900A	430473063700S1
CIGE 072	18-9-21 SWNE	UTU0575	891008900A	430473063400S1
CIGE 073D	5-10-22 SWSW	UTU01191A	891008900A	430473095200S1
CIGE 074D	6-10-22 NWSE	UTU01195	891008900A	430473095300S1
CIGE 075D	8-10-21 SENE	UTU01791	891008900A	430473095400S1
CIGE 076D	9-10-21 NENE	UTU01416	891008900A	430473095500S1
CIGE 077D	10-10-21 SESE	UTU0149079	891008900A	430473095600S1
CIGE 078C	16-9-21 NENW	UTU38409	891008900A	430473087000S1
CIGE 079D	1-10-21 NENE	ML23612	891008900A	430473089600S1 ✓
CIGE 080D	2-10-21 NWNW	ML22652	891008900A	430473085300S1 ✓
CIGE 081D	4-10-21 NENE	ML22940	891008900A	430473085400S1
CIGE 086D	16-9-21 SWSE	ML3282	891008900A	430473088600S1
CIGE 087D	34-9-21 NENE	U01194A	891008900A	430473086900S1 ✓
CIGE 088D	15-10-21 NWNW	UTU01791A	891008900A	430473095800S1
CIGE 089D	34-9-22 SENE	UTU0149077	891008900A	430473114800S1
CIGE 090D	9-9-21 NWNE	UTU01188A	891008900A	430473114900S1
CIGE 091D	15-9-21 NWNE	UTU01188	891008900A	430473115100S1

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

**ROUTING**

- |        |
|--------|
| 1. DJJ |
| 2. CDW |

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

Operator Name Change/Merger

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

**1/6/2006**

**FROM:** (Old Operator):  
 N2115-Westport Oil & Gas Co., LP  
 1368 South 1200 East  
 Vernal, UT 84078  
 Phone: 1-(435) 781-7024

**TO:** ( New Operator):  
 N2995-Kerr-McGee Oil & Gas Onshore, LP  
 1368 South 1200 East  
 Vernal, UT 84078  
 Phone: 1-(435) 781-7024

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

**OPERATOR CHANGES DOCUMENTATION**

Enter date after each listed item is completed

- (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 5/10/2006
- (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 5/10/2006
- The new company was checked on the **Department of Commerce, Division of Corporations Database** on: 3/7/2006
- a. Is the new operator registered in the State of Utah: YES Business Number: 1355743-0181
- b. 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:**

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

**BOND VERIFICATION:**

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

**LEASE INTEREST OWNER NOTIFICATION:**

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

**COMMENTS:**

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

**SUNDRY NOTICES AND REPORTS ON WELLS**

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

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

**KERR-McGEE OIL & GAS ONSHORE LP**

3a. Address

**1368 SOUTH 1200 EAST VERNAL, UT 84078**

3b. Phone No. (include area code)

**(435) 781-7024**

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

**SEE ATTACHED**

8. Well Name and No.

**MUTIPLE WELLS**

9. API Well No.

10. Field and Pool, or Exploratory Area

11. County or Parish, State

**UINTAH COUNTY, UTAH**

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

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

Signature

*Randy Bayne*

Title

**DRILLING MANAGER**

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

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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

8. Well Name and No.

MUTIPLE WELLS

9. API Well No.

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 checked="" type="checkbox"/> Other CHANGE OF OPERATOR
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal

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

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

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

RECEIVED  
MAY 10 2006

DIV. OF OIL, GAS & MINING

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

Name (Printed/Typed)

BRAD LANEY

Signature

Title

ENGINEERING SPECIALIST

Date

May 9, 2006

THIS SPACE FOR FEDERAL OR STATE USE

Approved by

*Brad Laney*

Title

Office

Date

5-9-06

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

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

(Instructions on reverse)



## 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

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	<b>FORM 9</b>  <b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> U-0144868
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>  <b>7. UNIT or CA AGREEMENT NAME:</b> NATURAL BUTTES
<b>1. TYPE OF WELL</b> Gas Well	<b>8. WELL NAME and NUMBER:</b> CIGE 22
<b>2. NAME OF OPERATOR:</b> KERR-MCGEE OIL & GAS ONSHORE, L.P.	<b>9. API NUMBER:</b> 43047304970000
<b>3. ADDRESS OF OPERATOR:</b> P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779	<b>PHONE NUMBER:</b> 720 929-6007 Ext
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 1980 FNL 1980 FWL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: SENW Section: 15 Township: 09.0S Range: 20.0E Meridian: S	<b>9. FIELD and POOL or WILDCAT:</b> NATURAL BUTTES  <b>COUNTY:</b> UINTAH  <b>STATE:</b> UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 5/1/2010	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input 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"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: _____

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

THIS WELL RETURNED TO PRODUCTION ON 5/1/2010.

**Accepted by the**  
**Utah Division of**  
**Oil, Gas and Mining**  
**FOR RECORD ONLY**  
 May 12, 2010

<b>NAME (PLEASE PRINT)</b> Andy Lytle	<b>PHONE NUMBER</b> 720 929-6100	<b>TITLE</b> Regulatory Analyst
<b>SIGNATURE</b> N/A		<b>DATE</b> 5/10/2010

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>  <b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> U-0144868
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>  <b>7. UNIT or CA AGREEMENT NAME:</b> NATURAL BUTTES
<b>1. TYPE OF WELL</b> Gas Well	<b>8. WELL NAME and NUMBER:</b> CIGE 22	
<b>2. NAME OF OPERATOR:</b> KERR-MCGEE OIL & GAS ONSHORE, L.P.	<b>9. API NUMBER:</b> 43047304970000	
<b>3. ADDRESS OF OPERATOR:</b> P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779	<b>PHONE NUMBER:</b> 720 929-6515 Ext	<b>9. FIELD and POOL or WILDCAT:</b> NATURAL BUTTES
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 1980 FNL 1980 FWL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: SENW Section: 15 Township: 09.0S Range: 20.0E 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 type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input checked="" type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 8/8/2011	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER: <input style="width: 50px;" type="text"/>	
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION	
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. THE SUBJECT WELL WAS RETURNED TO PRODUCTION ON 08/08/2011.		
<b>Accepted by the          Utah Division of          Oil, Gas and Mining          FOR RECORD ONLY</b>		
<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> 8/12/2011	

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> U-0144868
<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 22
<b>2. NAME OF OPERATOR:</b> KERR-MCGEE OIL & GAS ONSHORE, L.P.		<b>9. API NUMBER:</b> 43047304970000
<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> 1980 FNL 1980 FWL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: SENW Section: 15 Township: 09.0S Range: 20.0E 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: 3/6/2012  <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 <input type="checkbox"/> APD EXTENSION	
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 03/06/2012.		
Accepted by the Utah Division of Oil, Gas and Mining <b>FOR RECORD ONLY</b> May 02, 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> 4/12/2012

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9  5. LEASE DESIGNATION AND SERIAL NUMBER: U-0144868
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:  7. UNIT or CA AGREEMENT NAME: NATURAL BUTTES
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2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.	9. API NUMBER: 4304730497000
3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779	PHONE NUMBER: 720 929-6511
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1980 FNL 1980 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SENW Section: 15 Township: 09.0S Range: 20.0E Meridian: S	9. FIELD and POOL or WILDCAT: NATURAL BUTTES  COUNTY: UINTAH  STATE: UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> <b>NOTICE OF INTENT</b> Approximate date work will start: 4/17/2013  <input type="checkbox"/> <b>SUBSEQUENT REPORT</b> Date of Work Completion:  <input type="checkbox"/> <b>SPUD REPORT</b> Date of Spud:  <input type="checkbox"/> <b>DRILLING REPORT</b> Report Date:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input checked="" type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input style="width: 100px;" type="text"/>

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

The operator requests approval to abandon the existing Wasatch formation and recomplete the subject well in the Green River formation. This change will move the well from the Natural Buttes Unit to the Maverick Unit UTU88574X, approval order No. 197-013 on July 25, 2012. This is a federal well with the lease number U-0144868. Please see the attached procedure. Thank you.

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

Date: April 18, 2013  
 By: Derek Quist

NAME (PLEASE PRINT) Luke Urban	PHONE NUMBER 720 929-6501	TITLE Regulatory Specialist
SIGNATURE N/A		DATE 4/17/2013



# Maverick Unit

## CIGE 22 RE-COMPLETIONS PROCEDURE

FIELD ID: N/A

**DATE:** 3/26/13  
**AFE#:**  
**API#:** 4304730497  
**USER ID:** VYI537

**COMPLETIONS ENGINEER:** Paul Ryza , Denver, CO  
(720) 929-6915 (Office)  
(936) 499-6895 (Cell)

**REMEMBER SAFETY FIRST!**

**Name:** CIGE 22  
**Location:** SE NW Sec 15 T9S R20E  
**LAT: 40.037280** **LONG: -109.655402** **COORDINATE: NAD83 (Surface Location)**  
**Uintah County, UT**  
**Date:** 3/26/13

**ELEVATIONS:** 4785' GL 4807' KB *Frac Registry TVD: 6998*

**TOTAL DEPTH:** 7000' **PBTD:** 6970'  
**SURFACE CASING:** 9 5/8", 36# K-55 STC @ 204'  
**PRODUCTION CASING:** 4 1/2", 13.5#, N-80 LTC@ 2978'  
 4 1/2", 11.6#, N-80 LTC@ 2978-7000'  
 Marker Joint - No record of marker joints

**TUBULAR PROPERTIES:**

	BURST (psi)	COLLAPSE (psi)	DRIFT DIA. (in.)	CAPACITIES	
				(bbl/ft)	(gal/ft)
2 3/8" 4.7# J-55 tbg	7,700	8,100	1.901"	0.00387	0.1624
4 1/2" 13.5# N-80	9,020	8,540	3.795"	0.0149	0.6269
2 3/8" by 4 1/2" Annulus				0.0094	
4 1/2" 11.6# N-80	7,780	6,350	3.875"	0.0155	0.6528
2 3/8" by 4 1/2" Annulus				0.0101	

**TOPS:**

1931' Bird's Nest Top  
 2437' Mahogany Top  
 4257' Douglas Creek Top  
 4639' Carb. Marker Top  
 4793' Long Point Top  
 5127' Uteland Butte Top  
 5249' Wasatch Top  
 Mesaverde Top (Not Penetrated)  
 \*Based on latest geological interpretation

**T.O.C. @ Surface**

\*\*Based on cementing report, No CBL in well file.

All perforation depths are from Schlumbergers Induction-Density-Neutron log dated 3/28/79.

**GENERAL:**

- Please note that:
  - DFITs will be pumped in selective intervals. Detailed information regarding timing and intervals tested can be found in the post-job report.
  - In addition, all stages on this procedure may or may not be completed due to low frac gradients, timing, or other possible reasons. Total stages completed can be found in the post-job-report.
  - CBP depth on this procedure is only to be used as a reference. This depth is subject to change as per field operations and the discretion of the wireline supervisor and field foreman.

**Existing Perforations (from Open Wells):**

<b>PERFORATIONS</b>						
<b>Formation</b>	<b>Zone</b>	<b>Top</b>	<b>Btm</b>	<b>spf</b>	<b>Shots</b>	<b>Date</b>
WASATCH		5705	5706	1	1	04/27/1979
WASATCH		5707	5708	1	1	04/27/1979
WASATCH		5709	5710	1	1	04/27/1979
WASATCH		8116	8117	1	1	04/27/1979
WASATCH		8117	8118	1	1	04/27/1979
WASATCH		8135	8136	1	1	04/27/1979
WASATCH		8136	8137	1	1	04/27/1979
WASATCH		8480	8481	1	1	04/27/1979
WASATCH		8483	8484	1	1	04/27/1979
WASATCH		8471	8472	1	1	04/27/1979
WASATCH		8472	8473	1	1	04/27/1979
WASATCH		8931	8932	1	1	04/27/1979
WASATCH		8933	8934	1	1	04/27/1979

**Relevant History:**

5/2/79: Originally completed in Wasatch formation (1 stages) with 2,600 gals 7.5% MSR acid, ~ 14,000 gallons of Slickwater & 56,000 gallons of Crosslinked Gel with 140,000 lbs of 20/40 Ottawa Sand sand.

11/19/99: Cleaned out to 6931'

3/26/13: Tubing Currently Landed @~6923'

**H2S History:**

<b>Production Date</b>	<b>Gas (avg mcf/day)</b>	<b>Water (avg bb/day)</b>	<b>Oil (avg bb/day)</b>	<b>LGR (bb/Mmcf)</b>	<b>Max H2S Seperator (ppm)</b>
8/31/2010	13.35	0.00	0.00	0.00	
9/30/2010	13.07	0.00	0.00	0.00	
10/31/2010	13.81	0.00	0.77	56.07	
11/30/2010	12.90	0.00	0.00	0.00	
12/31/2010	13.26	0.00	0.00	0.00	0.00
1/31/2011	11.81	0.00	0.00	0.00	
2/28/2011	2.29	0.00	0.00	0.00	
3/31/2011	0.00	0.00	0.00	#NA	
4/30/2011	7.73	0.00	0.00	0.00	
5/31/2011	4.55	0.00	0.00	0.00	
6/30/2011	0.00	0.00	0.00	#NA	
7/31/2011	0.00	0.00	0.00	#NA	
8/31/2011	12.81	0.00	0.00	0.00	
9/30/2011	11.93	0.00	0.00	0.00	
10/31/2011	12.35	0.00	0.00	0.00	
11/30/2011	6.37	0.00	0.00	0.00	0.00
12/31/2011	0.00	0.00	0.00	#NA	0.00
1/31/2012	0.00	0.00	0.00	#NA	
2/29/2012	0.00	0.00	0.00	#NA	
3/31/2012	8.10	0.00	0.00	0.00	
4/30/2012	9.83	0.00	0.00	0.00	
5/31/2012	9.77	0.00	0.00	0.00	
6/30/2012	9.17	0.00	0.00	0.00	
7/31/2012	9.06	0.00	0.00	0.00	
8/31/2012	9.10	0.00	0.00	0.00	
9/30/2012	9.43	0.00	0.00	0.00	
10/31/2012	9.42	0.00	0.00	0.00	
11/30/2012	9.33	0.00	0.00	0.00	
12/31/2012	9.06	0.00	0.00	0.00	
1/31/2013	7.97	0.00	0.00	0.00	
2/28/2013	8.11	0.00	0.00	0.00	

\*All previous history indicates 0 ppm H2S

#### **PRE-JOB CONSIDERATIONS:**

- **Plug calculations are based on Class G cement with 0% Bentonite. Adjust the cement slurry volumes if a different cement type will be used.**
- 1 fracturing stages required for coverage.
- A minimum of 6 tanks (cleaned lined 500 bbl) of fresh water will be required.

#### **Note:**

- **Use biocide from Nalco as applicable in frac tanks**
- **Use only fresh water in order to assure crosslinked fluid performance**
- **Water needs to be at least 65-75°F at pump time**
- Procedure calls for 1 CBP's (8,000 psi) and 2 CIBP's (10,000 psi).
- 20/40 mesh Ottawa sand.
- Max Sand Concentration: Green River - Long Point 3 ppg

#### **ON SITE CONSIDERATIONS:**

- Maximum surface pressure **3800 psi**.
- **If casing pressure test fails (pressure loss of 1.5% psi or more), retest for 15 minutes. If pressure loss of 1.5% more on second test, notify Denver engineers. Record in Openwells. MIRU with tubing and packer. Isolate leak by pressure testing above and below the packer. RIH and set appropriate casing leak remediation. Re-pressure test to 1000 and 3500 psi for 15 minutes each and to 3800 psi for 30 minutes (specific details on remediation should be documented in OpenWells).**
- **Remember to pre-load the casing with scale inhibitor from Nalco.**
- Calculate open perforations after each breakdown. If less than 60% of the perforations appear to be open, ball out with 15% HCl.
- Flush volumes are the sum of FR water used during displacement (include scale inhibitor as mentioned above).
- Call flush at 0 PPG @ inline densimeters. Slow to 5 bbl/min over last 10-20 bbls of flush.
- pH should be measured during the treatment in order to make sure acid has been flushed from the treating lines and will not affect the cross-linked gel.
- Multiple test samples will be pulled on the fly to check crosslinked gel.
- Bucket tests should be performed prior to pumping to assure the chemical pumps working and pumping at the desired rate.

#### **PROCEDURE:**

1. MIRU. Kill well as needed. ND WH, NU and test BOPE.
2. POOH w/tubing. Visually inspect for scale and consider replacing tubing if needed.
3. RIH with bit and casing scraper to +/-5685'. POOH.

4. **PLUG #1- ISOLATE WASATCH PERFORATIONS (5705' – 6934')**: RIH W/ 4 1/2" CIBP. SET @ ~ 5655' (~50' above top perms). Load hole with fresh water with scale inhibitor and biocide.
5. Run CBL from CIBP @ 5655' to surface. Contact Completions Engineer in Denver office
6. Pressure test casing to **3800** psi. Inform engineering if it doesn't test. Dump bail **7 SX/ 0.8 BBL/ 4.4 CUFT** of cement on top of plug. PUH above TOC (~5605', equivalent to 50' COVERAGE).
7. **PLUG #2 - PROTECT TOP OF WASATCH (5249')**: RIH W/ 4 1/2" CIBP. SET @ ~5270' (~21' below top of formation). Pressure test casing to **3800** psi. Inform engineering if it doesn't test. Dump bail **7 SX/ 0.8 BBL/ 4.4 CUFT** of cement on top of plug. PUH above TOC (~5220', equivalent to 50' COVERAGE).
8. ND BOPs and NU frac valves. Test frac valves and casing to 1000 psi for 15 minutes and to **3800** psi for 30 minutes. As per standard operating procedure install steel blowdown line to reserve pit from 4 1/2"X 9 5/8" annulus. Lock **OPEN** the Braden head valve. Annulus will be monitored throughout stimulation. If release occurs, stimulation will be shut down. Well conditions will be assessed and actions taken as necessary to secure the well. UDOGM will be notified if a release to the annulus occurs.
9. Pressure test frac lines to max surface pressure + 1000 psi for 15 minutes. Pressure loss should be less than 10% to be considered acceptable. Check and correct for existing leaks.
10. Perf the following with 3-3/8" gun, 23 gm, 0.36"hole:
 

Zone	From	To	spf	# of shots
LONG POINT	4836	4838	3	6
LONG POINT	4861	4863	3	6
LONG POINT	4961	4963	3	6
LONG POINT	4976	4978	3	6
11. Spear head 250 gals of 15% HCl at 5 bpm pumping rate. Fracture as outlined in Stage 1 on attached listing. Displace with 3080 gal of slickwater (volume to top perf).
12. Set 8000 psi CBP at~4786'.
13. ND Frac Valves, NU and Test BOPs.
14. TIH with 3 7/8" bit, pump off sub, SN and tubing.
15. Drill out CBP @ ~4786' and clean out to PBTD @ ~5220'. Shear off bit and land tubing at ±**4836'** unless indicated otherwise by the well's behavior.
16. Clean out well with foam and/or swabbing unit until steady flow has been established from completion.
17. **Leave surface casing valve open**. Monitor and report any flow from surface casing. RDMO

**GREEN RIVER OIL WELL OPERATING PROCEDURE:**

The Green River oil wells will be produced and treated in the following manner. Oil, water and gas will flow to surface treating facilities where it will be separated. The oil and water will then flow to storage tanks. Gas will flow in to the gathering system; which has a nominal operating pressure of ~120 psig. If gas line pressure increases above the 120 psig range the gas will flow to a compressor and be compressed to line pressure. If the compressor is down due to mechanical problems or line pressure is out of range for the compressor, gas will flow to a flare and be burned on site. If no compressor is installed then gas will be flared when pressure is greater than 120 psig.

Key Contact information

Completion Engineer

Paul Ryza: 936/499-6895, 720/929-6915

Production Engineer

Jesse Markeveys: 215/380-0781, 435/781-7055

Brad Laney: 435/781-7031, 435/828-5469

Completion Supervisor Foreman

Jeff Samuels: 435/828-6515, 435/781-7046

Completion Manager

Jeff Dufresne: 720/929-6281, 303/241-8428

Vernal Main Office

435/789-3342

Emergency Contact Information—Call 911

Vernal Regional Hospital Emergency: 435-789-3342

Police: (435) 789-5835

Fire: 435-789-4222

NOTES:

If using any chemicals for pickling tubing or H2S Scavenging, have MSDS for all chemicals prior to starting work

Acid Pickling and H2S Procedures (If Required)

**\*\*PROCEDURE FOR PUMPING ACID DOWN TBG**

WHEN FINDING SCALE IN TUBING THAT IS ACID SOLUBLE, ENSURE THAT PLUNGER EQUIPMENT IS REMOVED AND ABLE TO PUMP DOWN TBG. INSTALL A 'T' IN PUMP LINE W/2" VALVE THAT NALCO CAN TIE INTO. HAVE 60 BBLs 2% KCL MIXED W/ 10-15 GAL H2S SCAVENGER IN RIG FLAT TANK. (WE USED THE RIG FLAT TANK FOR MIXING CHEMICAL SO WE DIDN'T HAVE THE CHEMICAL IN ALL FLUIDS ON LOCATION, ONLY WHAT WE NEEDED TO PUMP DOWN HOLE)

1. PUMP 5-10 BBLs 2% KCL DOWN TBG (NALCO CANNOT PUMP AGAINST PRESSURE)
2. NALCO WILL PUMP 3 DRUMS HCL (31%) INTO PUMP LINE.
3. FLUSH BEHIND ACID WITH 10-15 BBL 2% KCL
4. PUMP 2—30 BBL 2% W/ H2S SCAVENGER DOWN TBG.
5. PUMP REMAINDER OF 2% W/ H2S SCAVENGER DOWN CASING AND SHUT WELL IN FOR MINIMUM OF 2 HRS.
6. OVER DISPLACE DOWN TBG AND CSG TO FLUSH ACID AND SCAVENGER INTO FORMATION
7. MONITOR TUBING FOR FLOW AND CASING FOR H2S NOW AS POOH W/ TUBING.

**\*\* PROCEDURE FOR PUMPING H2S SCAVENGER WITHOUT ACID**

PRIOR TO RIG MOVING ON OR AS RIG PULLS ONTO LOCATION. TEST CASING, TUBING AND SEPARATOR FOR H2S. IF FOUND MAKE SURE THAT PLUNGER SYSTEM IS REMOVED (IT IS POSSIBLE TO PUMP AROUND PLUNGERS BUT SOME WILL HAVE A STANDING VALVE IN SEATING NIPPLE).

1. MIX 10-15 GAL H2S SCAVENGER WITH 60-100 BBL 2% KCL IN RIG FLAT TANK.
2. PUMP 25 BBLs MIXTURE DOWN TUBING AND REST DOWN CASING. SHUT WELL IN FOR 2 HOURS.
3. IF WELL HAS PRESSURE AFTER 2 HOURS – RETEST CASING AND TUBING FOR H2S.
4. FLUSH TUBING AND CASING PUSHING H2S SCAVENGER INTO FORMATION.
5. MONITOR TUBING FOR FLOW AND CASING FOR H2S NOW AS POOH W/ TUBING.

\*\* As per APC standard operating procedure, APC foreman will verify ALL volumes pumped and record on APC Volume Report Form

Name CIGE 22

Perforation and CBP Summary

Stage	Zones	Perforations		SPF	Holes	Fracture Coverage		
		Top, ft	Bottom, ft					
1	LONG POINT	4836	4838	3	6	4836	to	4982
	LONG POINT	4861	4863	3	6			
	LONG POINT	4961	4963	3	6			
	LONG POINT	4976	4978	3	6			
	LONG POINT							
	LONG POINT							
	LONG POINT							
	# of Perfs/stage				24	CBP DEPTH	4,786	
	Totals				24	Total Pay		20

**Fracturing Schedules**  
 Name: CGE 22  
 Slickwater Frac

Casing Size	4.5
Recomplete?	Y
Pad?	N
ACTS?	N
Plug back required?	Y
CBL required?	Y

Swabbing Days	1
Production Log	0
DFTT	0
GR only	Y
Low Stable	Y
Clay Stab.	Y

Enter Number of swabbing days here for recompletes  
 Enter 1 if running a Production Log  
 Enter Number of DFTTs  
 Enter Y if only Gamma Ray log was run  
 Enter Y if a LOW concentration of Scale inhibitor will be pumped  
 Enter N if there will be NO Clay stabilizer

Copy to new book

Stage	Zone	Perfs		Rate BPM	Fluid Type	Initial ppg	Final ppg	Fluid	Volume gals	Cum Vol gals	Volume BBLs	Cum Vol BBLs	Fluid % of frac	Sand % of frac	Sand lbs	Cum. Sand lbs	Footage from CBP to Flush	Scale Inhib., gal.
		Top, ft.	Bot, ft.															
1	LONG POINT	4836	4838	3	6	Varied	Lead Casing	Slickwater	3,080	3,080	73	73	3.3%					1
	LONG POINT	4861	4863	3	6	Varied	Acid	Slickwater	250	3,330	6	79	0.5%					2
	LONG POINT	4861	4863	3	6	50	Slickwater Pad	Xlinked gel	7,700	11,030	183	263	8.3%					1
	LONG POINT	4876	4878	3	6	50	Xlinked Spacer	Xlinked gel	4,620	15,650	110	373	5.0%					5
	LONG POINT			3	6	50	Xlinked gel + 0.5 ppg 20/40 sand	Xlinked gel	21,000	36,650	500	873	22.7%	10.0%	10,500	10,500		7
	LONG POINT			3	6	50	Xlinked gel + 1 ppg 20/40 sand	Xlinked gel	26,250	62,900	625	1,498	28.5%	25.0%	26,250	36,750		5
	LONG POINT			3	6	50	Xlinked gel + 2 ppg 20/40 sand	Xlinked gel	21,000	83,900	500	1,998	22.7%	40.0%	42,000	78,750		2
	LONG POINT			3	6	50	Xlinked gel + 3 ppg 20/40 sand	Xlinked gel	8,750	92,650	208	2,206	9.4%	25.0%	26,250	105,000		0
	LONG POINT			3	6	50	Flush to Top Perf	Slickwater	3,080	95,730	73	2,279						23
# of Perfs/Stage 24																		
45.6 << Above pump time (min)																		
Flush depth 4,836																		
CBP depth 4,786																		
Total Sand 105,000																		
Total Fluid 95,730 gals																		
Total Slickwater 2,279 bbls																		
Total 20/40 sand 5.1 tanks																		
Total Scale Inhib. =																		

Service Company Supplied Chemicals - Job Totals

Friction Reducer	15	gals @	1.0	GPT
Surfactant	97	gals @	1.0	GPT
Clay Stabilizer	48	gals @	0.5	GPT
Biocide	24	gals @	0.25	GPT
Scale Inhibitor	24	gals @	0.25	GPT
Crosslinker	66	gals @	0.8	GPT
ph Control	66	gals @	0.8	GPT
Gelling agent	369	gals @	4.5	GPT
Breaker1	82	gals @	1.0	PPT
Breaker2	2	gals @	2.0	lbs in flush
Iron Control for acid	1	gals @	4.0	GPT of acid
Corrosion inhibitor for acid	1	gals @	4.0	GPT of acid
Surfactant for acid	0	gals @	1.0	GPT of acid

Service Company Supplied Chemicals - Job Totals

Friction Reducer	15	gals @	1.0	GPT
Surfactant	97	gals @	1.0	GPT
Clay Stabilizer	48	gals @	0.5	GPT
Biocide	24	gals @	0.25	GPT
Scale Inhibitor	24	gals @	0.25	GPT
Crosslinker	66	gals @	0.8	GPT
ph Control	66	gals @	0.8	GPT
Gelling agent	369	gals @	4.5	GPT
Breaker1	82	gals @	1.0	PPT
Breaker2	2	gals @	2.0	lbs in flush
Iron Control for acid	1	gals @	4.0	GPT of acid
Corrosion inhibitor for acid	1	gals @	4.0	GPT of acid
Surfactant for acid	0	gals @	1.0	GPT of acid

Service Company Supplied Chemicals  
 Third Party Chemicals

CIGE 22 Directional Survey					
MD	TVD	EW	NS	INC	AZI
0	0	0.0	0.0	0.0	0.0
100	100	0.4	0.0	0.4	93.9
200	200	1.3	0.0	0.7	89.7
300	300	2.8	0.1	1.0	79.3
400	400	4.6	0.4	1.0	80.9
500	500	6.3	0.6	1.0	87.3
600	600	7.8	0.4	0.8	109.9
700	700	9.1	-0.1	0.8	116.4
800	800	10.4	-0.7	0.9	108.1
900	900	11.8	-0.9	0.8	89.8
1000	1000	13.1	-0.8	0.7	80.2
1100	1100	14.3	-0.5	0.7	70.3
1200	1200	15.4	-0.1	0.6	73.8
1300	1300	16.2	-0.1	0.4	117.4
1400	1400	16.4	-0.6	0.4	201.3
1500	1500	16.2	-1.3	0.5	190.8
1600	1600	15.9	-2.2	0.7	202.5
1700	1700	15.0	-3.1	0.9	240.9
1800	1800	13.1	-3.7	1.4	259.5
1900	1900	10.6	-4.0	1.5	269.3
2000	2000	7.9	-4.4	1.6	253.1
2100	2100	5.7	-5.1	1.2	250.4
2200	2200	3.7	-5.8	1.1	254.5
2300	2300	1.9	-6.8	1.4	227.3
2400	2400	0.4	-8.9	1.6	208.3
2500	2500	-0.6	-11.5	1.7	192.3
2600	2600	-1.1	-14.5	1.7	184.5
2700	2700	-1.3	-17.3	1.4	183.9
2800	2800	-1.5	-19.6	1.3	188.2
2900	2900	-1.8	-21.8	1.2	186.7
3000	2999	-2.3	-24.0	1.3	198.1
3200	3199	-3.3	-28.8	1.5	185.9
3400	3399	-3.4	-33.5	1.3	177.3
3600	3599	-3.3	-38.2	1.4	178.9
3800	3799	-1.8	-42.8	1.5	145.9
4000	3999	0.8	-47.0	1.4	152.2
4200	4199	2.9	-51.0	1.2	150.7
4400	4399	5.3	-54.5	1.3	142.1
4600	4599	8.7	-58.3	1.7	134.4
4800	4799	12.5	-62.8	1.7	145.4
5000	4999	16.8	-67.8	2.1	134.7
5200	5199	21.2	-73.4	2.0	149.6
5400	5399	24.9	-79.7	2.2	149.8
5600	5598	28.0	-86.3	2.0	158.9
5800	5798	29.6	-93.2	2.1	174.8

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	<b>FORM 9</b>
<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> U-0144868	
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>	
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	
<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>	
<b>7. UNIT or CA AGREEMENT NAME:</b> NATURAL BUTTES	
<b>8. WELL NAME and NUMBER:</b> CIGE 22	
<b>9. API NUMBER:</b> 43047304970000	
<b>9. FIELD and POOL or WILDCAT:</b> NATURAL BUTTES	
<b>11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA</b>	
<b>1. TYPE OF WELL</b> Gas Well	<b>3. ADDRESS OF OPERATOR:</b> P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779
<b>2. NAME OF OPERATOR:</b> KERR-MCGEE OIL & GAS ONSHORE, L.P.	<b>PHONE NUMBER:</b> 720 929-6511
<b>4. LOCATION OF WELL</b> FOOTAGES AT SURFACE: 1980 FNL 1980 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SENW Section: 15 Township: 09.0S Range: 20.0E Meridian: S	
<b>COUNTY:</b> UINTAH	
<b>STATE:</b> UTAH	

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input checked="" type="checkbox"/> DRILLING REPORT Report Date: 6/9/2013	<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"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input style="width: 100px;" type="text"/>

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

The operator has abandoned the existing Wasatch and Mesaverde formations and recompleted the subject well in the Green River formation. This change has moved the well from the Natural Buttes Unit to the Maverick Unit UTU88574X, approval order No. 197-013 on July 25, 2012. The subject well returned to production on 06/09/2013. The details of the recompletion and initial production rates will be included with the well completion report.

**Accepted by the  
 Utah Division of  
 Oil, Gas and Mining  
 FOR RECORD ONLY  
 July 25, 2013**

<b>NAME (PLEASE PRINT)</b> Teena Paulo	<b>PHONE NUMBER</b> 720 929-6236	<b>TITLE</b> Staff Regulatory Specialist
<b>SIGNATURE</b> N/A	<b>DATE</b> 7/24/2013	

UNITED STATES  
 DEPARTMENT OF THE INTERIOR  
 BUREAU OF LAND MANAGEMENT

FORM APPROVED  
 OMB NO. 1004-0137  
 Expires: October 31, 2014

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No.  
 UTU0144868

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and No.  
 UTU88574X

8. Lease Name and Well No.  
 CIGE 22

9. API Well No.  
 4304730497

10. Field and Pool or Exploratory  
 NATURAL BUTTES

11. Sec., T., R., M., on Block and  
 Survey or Area  
 SEC 15, T9S, R20W SLB

12. County or Parish  
 UINTAH

13. State  
 UT

1a. Type of Well  Oil Well  Gas Well  Dry  Other

b. Type of Completion:  New Well  Work Over  Deepen  Plug Back  Diff. Resrv.,  
 Other: RECOMPLETION

2. Name of Operator  
 KERR MCGEE OIL & GAS ONSHORE, L.P.

3. Address PO BOX 173779  
 DENVER, CO 80217

3a. Phone No. (include area code)  
 720-929-6000

4. Location of Well (Report location clearly and in accordance with Federal requirements)\*  
 At surface SENW 1980 FNL 1980 FWL SEC 15,T9S,R20E  
 At top prod. interval reported below  
 At total depth

14. Date Spudded  
 02/23/1979

15. Date T.D. Reached  
 03/27/1979

16. Date Completed 06/09/2013  
 D & A  Ready to Prod.

17. Elevations (DF, RKB, RT, GL)\*  
 4807 RKB

18. Total Depth: MD 7000  
 TVD

19. Plug Back T.D.: MD 6970  
 TVD

20. Depth Bridge Plug Set: MD CIBP 5270 & 5655 & RBP 4890  
 TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)  
 DIL-FDC/CNL

22. Was well cored?  No  Yes (Submit analysis)  
 Was DST run?  No  Yes (Submit report)  
 Directional Survey?  No  Yes (Submit copy)

23. Casing and Liner Record (Report all strings set in well)

Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sk. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
12 1/4	9.625 K-55	36		204		150		0	
7.875	4.5 N80	13.5		7000		2175			

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2.375	5068							

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) LONG POINT	4836	4978	4836-4978	0.36	24	OPEN
B)						
C)						
D)						

27. Acid, Fracture, Treatment, Cement Squeeze, etc.

Depth Interval	Amount and Type of Material
4836-4978	PUMP 6 BBLs X-LINK & 2,261 BBLs SLICK H2O & 105,000 LBS 20/40 OTTAWA SAND
	1 STAGE

28. Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
6/9/13	7/1/13	24	→	84	5	64			PUMPING
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
0	104	87	→	84	5	64		PRODUCING	

28a. Production - Interval B

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
			→						

\*(See instructions and spaces for additional data on page 2)

28b. Production - Interval C									
Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
			→						

28c. Production - Interval D									
Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
			→						

29. Disposition of Gas (Solid, used for fuel, vented, etc.)

SOLD

<p>30. Summary of Porous Zones (Include Aquifers):</p> <p>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.</p>	<p>31. Formation (Log) Markers</p>
---	------------------------------------

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top
					Meas. Depth
				BIRD'S NEST	1931
				MAHOGANY	2437
				DOUGLAS CREEK	4257
				CARB MARKER	4639
				LONG POINT	4793
				UTELAND BUTTE	5127
				WASATCH	5249

32. Additional remarks (include plugging procedure):

THE WELL WAS ORIGINALLY COMPLETED IN THE WASATCH FORMATION. TWO CIBP'S WERE SET AT 5655 FT WITH DUMP BAIL 7 SX CEMENT AND 5270 FT WITH DUMP BAIL 7 SX CEMENT TO PERMANENTLY ISOLATE THE WASATCH. A RETRIEVABLE BRIDGE PLUG WAS SET AT 4890 FT WITH DUMP BAIL 1 SX CEMENT ON TOP. THIS PLUG WAS LEFT IN THE HOLE. THE WELL IS CURRENTLY PRODUCING AND THERE ARE NO PLANS TO TAKE THE RETRIEVABLE PLUG OUT. IF THE OPERATOR DECIDES TO REMOVE THIS PLUG IN THE FUTURE A SUNDRY NOTICE OF INTENT WILL BE FILED. THE WELL WAS RECOMPLETED IN THE GREEN RIVER (LONG POINT) AND IS NOW PRODUCING OIL.

33. Indicate which items have been attached by placing a check in the appropriate boxes:

- Electrical/Mechanical Logs (1 full set req'd.)     
  Geologic Report     
  DST Report     
  Directional Survey  
 Sundry Notice for plugging and cement verification     
  Core Analysis     
  Other:

34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions)\*

Name (please print) TEENA PAULO Title STAFF REGULATORY SPECIALIST  
 Signature *Teena Paulo* Date 7-26-2013

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, 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.

(Continued on page 3)

(Form 3160-4, page 2)

US ROCKIES REGION								
Operation Summary Report								
Well: CIGE 22					Spud Date: 2/23/1979			
Project: UTAH-UINTAH			Site: CIGE 22			Rig Name No:		
Event: RECOMPL/RESEREVEADD			Start Date: 5/8/2013			End Date:		
Active Datum: RKB @4,807.00usft (above Mean Sea Level)			UWI: CIGE 22					
Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (usft)	Operation
5/8/2013	11:00 - 18:00	7.00	SUBSPR	30		P		ROAD RIG TO LOCATION. MIRU. SICP= 550#. SITP= 350#. MIRU. CONTROL TBNG W/ 20BBLs TMAC. NDWH. WELLHEAD BOLTS WERE VERY BAD (RUSTED). NUBOP. WELLHEAD LANDING PINS WERE BENT BADLY AND WILL HAVE TO BE REPLACED IN THE AM. SWIFN
5/9/2013	7:00 - 7:15	0.25	SUBSPR	48		P		SAFETY= JSA.
	7:15 - 11:45	4.50	SUBSPR	53		X		SICP= 150#. SITP=0#. BLOW DOWN WELL. R/D FLOOR & TBNG EQUIP. NDBOP IN ORDER TO HAVE BETTER ACCESS TO WELLHEAD LANDING PINS. CONTINUE REMOVING & REPAIRING WELLHEAD LANDING PINS. BADLY WORN & RUSTED, PINS WERE ALSO BENT. ALL LANDING PIN RECEPTACLES HAD TO BE TAPPED OUT TO REMOVE WEAR & RUST. REPLACED 2 PINS THAT WERE NOT REPAIRABLE. X/O ALL PACKING & PACKING GLANDS.
	11:45 - 17:00	5.25	SUBSPR	31		P		NUBOP. R/U FLOOR & TBNG EQUIP. UN-LAND WELL. MIRU SCANNERS. POOH WHILE SCANNING 222JTS 2-3/8" J-55 TBNG. SCAN RESULTS AS FOLLOWS:  89JTS 2-3/8" J-55 TBNG. RED BAND. PITTING AND WEAR THRU ENTIRE STRING. NO SPECIFIC BAD ZONES. 82JTS 2-3/8" J-55 TBNG. YELLOW BAND. 51JTS 2-3/8" J-55 TBNG. BLUE BAND.  RDMO SCANNERS. SWIFN
5/10/2013	7:00 - 7:15	0.25	SUBSPR	48		P		SAFETY = JSA.
	7:14 - 9:00	1.77	SUBSPR	30		P		SICP= 0#. SITP= 0#. RIH W/ 3-3/4" BIT + SCRAPER + 98JTS 2-3/8" J-55 TBNG. RIG BROKE DOWN. LOST CARRIER BEARING ON MAIN DRIVE LINE. LEAVE EOT @ 3104'. SWIFN. RIG CREW GATHERING PARTS FOR REPAIRS.
5/13/2013	7:00 - 7:15	0.25	SUBSPR	48		P		SAFETY = JSA.
	7:15 - 11:00	3.75	SUBSPR	31		P		0# ON WELL. OPEN WELL. FINISH RIH W/ TOTAL OF 180JTS 2-3/8" J-55 TBNG + 3-3/4" BIT & 4-1/2" SCRAPER. SCRAPER RAN TO 5710'. POOH WHILE L/D ALL TBNG.

US ROCKIES REGION									
Operation Summary Report									
Well: CIGE 22					Spud Date: 2/23/1979				
Project: UTAH-UINTAH			Site: CIGE 22			Rig Name No:			
Event: RECOMPL/RESEREVEADD			Start Date: 5/8/2013			End Date:			
Active Datum: RKB @4,807.00usft (above Mean Sea Level)					UWI: CIGE 22				
Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (usft)	Operation	
	11:00 - 18:00	7.00	SUBSPR	34		P		<p>MIRU WIRELINE. RIH W/ OWEN 10K CIBP. SET CIBP@ 5655'. POOH W/ WIRELINE. SLOWLY TRICKLE 22BBLs TMAC DOWN THE CSNG UNTIL FULL FOR CBL. PRESSURE TEST CSNG GOOD @ 3000#.</p> <p>P/U &amp; RIH W/ CBL TOOLS. RUN CBL FROM 5655' BACK TO SURFACE.</p> <p>RIH W/ DUMP BAILER TO 5655' &amp; SPOT 7SX CLASS G CMT ON TOP OF CIBP. 3 DUMP BAIL RUNS FOR 7SX COVERAGE. EST TOC @5605'.</p> <p>P/U &amp; RIH W/ OWEN 10K CIBP. SET CIBP @5270'. POOH W/ WIRELINE. RIH W/ DUMP BAILER TO 5270' &amp; SPOT 7SX CLASS G CMT ON TOP OF CIBP. 3 DUMP BAIL RUNS FOR 7SX COVERAGE. EST TOC @5220'.</p> <p>RDMO WIRELINE. PRESSURE TEST CSNG GOOD @ 3000# W/ RIG PUMP. NO COMMUNICATION W/ SURFACE CSNG. SWIFN.</p>	
5/14/2013	7:00 - 7:15	0.25	SUBSPR	48		P		SAFETY= JSA	
	7:15 - 9:30	2.25	SUBSPR	30		P		0# ON WELL. NDBOP. NUWH. SWI. RDMOL. ROAD RIG TO NBU 25-20B.	
5/15/2013	13:00 - 18:00	5.00	SUBSPR	37	B	P		<p>1:00 P.M. MIRU SCHLUMBERGER PMP SVC. MIRU CUTTERS. NDWH, NU FRAC VLVS. RILL CSG &amp; PSI TST FRAC VLVS &amp; CSG TO 6165# (HELD). BLEED PSI OFF. P/U 3 1/8" PERF GUNS &amp; RIH. SHOOT 3 HOLES F/ 4976' - 77', P/U SHOOT 3 HOLES F/ 4961' - 62', POOH. P/U BH PSI BOMBS (3 MEMORY GAUGES) &amp; RIH. HANG MEM GAUGES @ 4970', BRK DWN PERFS @ 2200#, CONT TO INJECT 1000 GALS TMAC @ AVG 1400#. ISIP 1250#. SWI. BLEED OFF LINES. RDMO SCHLUMBERGER. LOTO WELL HEAD. CONT DFIT TEST</p>	
5/20/2013	7:30 - 8:00	0.50	COMP	48		P		HSM, REVIEW WIRELINE SAFETY	
	8:00 - 10:15	2.25	COMP	34	H	P		<p>POOH WIRELINE W/ PRESSURE GAUGES, RIH W/ 4-1/2 WEATHERFORD RBP &amp; SET @ 4890', POOH W/ TOOLS.</p>	
	10:15 - 10:40	0.42	COMP	33	C	P		RU NABOR, PRESSURE TEST 4-1/2 CSG TO 4915 PSI. LOST 45 PSI. IN 15 MINS, RD NABORS.	
	10:40 - 14:00	3.33	COMP	37	B	P		<p>RIH W/ BAILER &amp; DUMP 1 SX SAND ON TOP OF RBP, POOH TOOLS, PU 3-3/8 GUN &amp; RIH &amp; PERFORATED F/ 4836'-4838' 3 SPF W/ 6 HOLES @ 23GM, 0.36" HOLES, POOH TOOLS, RIH W/ 3 MEMORY GAUGES &amp; SET PRESSURES GAUGES @ 4837', BREAK DWN PERFS @ 1800 PSI, AVG PSI @ 1815 PSI. @ 7 BPM, ISIP @ 1230 PSI. SHUT FOR 5 MINS. PRESSURE @ 940 PSI. RD NABORS, SWI, SD.</p>	
5/24/2013	8:00 - 9:15	1.25	SUBSPR	34	H	P		NO PRESSURE ON WELL, PULL OUT PRESSURE GAUGES W/ STOPING EVER 500' FOR 5 MIN READING, LAY DN GAUGES	
	9:15 - 10:30	1.25	SUBSPR	34	H	P		P/U PERF GUNS RIH PERF ZONS AS SAY IN PROCEDURE, SHUT WELL IN R/D WIRELINE.	

US ROCKIES REGION									
Operation Summary Report									
Well: CIGE 22					Spud Date: 2/23/1979				
Project: UTAH-UINTAH			Site: CIGE 22			Rig Name No:			
Event: RECOMPL/RESEREVEADD			Start Date: 5/8/2013			End Date:			
Active Datum: RKB @4,807.00usft (above Mean Sea Level)					UWI: CIGE 22				
Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (usft)	Operation	
6/3/2013	7:00 - 18:00	11.00	FRAC	36	B	P		RU NABORS FRAC CREW HELD SAFTY MEETING: HIGH PRESSURE PRESSURE TEST PUMP & LINES 6700 PSI LOST 382 PSI OPENED WELL @ 13.54 PM ESTABLISHED INJ RATE @ 4 BPM 1621 PSI ISIP 1034 PSI FG .65 INJ RATE 45.4 BPM 4568 PSI 14/24 HOLES OPEN 68 % MAX RTE 50.5 MAX PSI 5199 AVG PSI 3818 AVG RTE 49.8 BPM ISIP 1497 FG .75 5 MIN SHUT IN PSI 1471 NET PSI 463 PUMPED 105,600 # 20/40 SAND 2270 BBLS FLUID RD FRAC CREW SWIFN	
6/4/2013	7:00 - 7:15	0.25	DRLOUT	48		P		SAFETY = JSA.	
	7:15 - 18:00	10.75	DRLOUT	30		P		FCP= >5#. SLUGGING OIL & WATER. LIGHT GAS. MIRU. WELL FLOW IS STRONG W/ FLUID BUT LOW PRESSURE. PUMP 20BBLS TMAC DOWN CSNG & WELL FLOWED THE WATER BACK IN >5MIN. PUMP 50BBLS TMAC DOWN CSNG, LET WELL FLOW BACK FOR 45MIN. SLIGHT FLOW FROM WELL. NDFV. NUBOP. WELL BEGAN TO FLOW STRONG AGAIN W/ OIL. CONTROL WELL W/ ANOTHER 50BBLS TMAC. RIH W/ 15JTS 2-3/8" J-55 TBNG+ XN + PUMP OPEN SUB + 3-3/4" ROCK BIT. INSTALL WASHINGTON HEAD ELEMENT. WELL FLOWING STRONG AGAIN. FINISH RIH W/ TBNG. RIH W/ 154JTS TO MAKE SURE NO FILL ACROSS PERFS TO DEPTH OF 4870'. L/D 1JT. LAND WELL AS FOLLOWS:  KB= 22.00' HANGER =.83' 153JTS 2-3/8" J-55 Y-BND TBNG = 4813.60' XN/ PUMP OPEN SUB W/ 3-3/4" ROCK BIT = 2.20' EOT @ 4838.63'  NDBOP. NUWH. R/U FLOWLINES TO FB TANK. DROP BALL AND PUMP OPEN BIT SUB @ 1500#. TURN WELL OVER TO FB CREW @ 1800HRS W/ LIGHT FLUID FLOW BUT STEADILY GETTING STRONGER.	
6/29/2013	7:00 -								

US ROCKIES REGION								
Operation Summary Report								
Well: CIGE 22				Spud Date: 2/23/1979				
Project: UTAH-UINTAH			Site: CIGE 22			Rig Name No:		
Event: WELL WORK EXPENSE			Start Date: 6/24/2013		End Date: 6/26/2013			
Active Datum: RKB @4,807.00usft (above Mean Sea Level)				UWI: CIGE 22				
Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (usft)	Operation
6/24/2013	7:00 - 7:15	0.25	WO/REP	48		P		SAFETY = JSA.
	7:15 - 8:30	1.25	WO/REP	30		P		ROAD RIG FROM NBU 25-20B.
	8:30 - 18:00	9.50	WO/REP	30		P		SICP= 850#. TP= 50#. MIRU. BLOW WELL DOWN TO PRODUCTION TANKS, WELL SLUGGING OIL & GAS. MIRU HOT OILER. HOT OIL W/ 70BBLs TMAC DOWN THE TBNG. FULL RETURNS UP CASING. WELL CONTINUED TO FLOW LIGHTLY. NDWH. NUBOP. UN-LAND WELL. POOH W/ 153JTS 2-3/8" J-55 TBNG +POBS+XN+ BIT. L/D BHA. CONTROL WELL W/ 30BBLs TMAC.
								P/U 4-1/2" RETREIVING HEAD + SN 1JT ABOVE THE TBNG + 155 JTS 2-3/8" J-55 TBNG. T/U ON SAND @4865'. R/U PUMP. R/U POWER SWIVEL. TRY TO REVERSE CIRCULATE BUT TBNG WAS PLUGGED. SO CIRCULATED CONVENTIONAL & PUMPED OUT PLUG ( SUSPECT PARAFFIN). WASH SAND DOWN TO RBP @4890'. CIRC BOTTOMS UP UNTIL WELL CLEANED UP (1-1/2 TIMES VOLUME). LATCH ONTO RBP & RELEASE. POOH W/ RBP & 155JTS 2-3/8" J-55 TBNG. L/D RBP. OPEN WELL TO PRODUCTION TANKS. SDFN.
6/25/2013	7:00 - 7:15	0.25	WO/REP	48		P		SAFETY = JSA

US ROCKIES REGION									
Operation Summary Report									
Well: CIGE 22					Spud Date: 2/23/1979				
Project: UTAH-UINTAH			Site: CIGE 22			Rig Name No:			
Event: WELL WORK EXPENSE			Start Date: 6/24/2013		End Date: 6/26/2013				
Active Datum: RKB @4,807.00usft (above Mean Sea Level)				UWI: CIGE 22					
Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (usft)	Operation	
	7:15 - 14:30	7.25	WO/REP	31		P		CP= 0#. RIH W/ TBNG. T/U ON SAND @5048' W/ 160 JTS 2-3/8" J-55 TBNG.. R/U POWER SWIVEL. R/U PUMP. REVERSE CIRCULATE. WASH DOWN 5JTS TBNG. C/O SAND TO PBTD @5205'. CIRC BOTTOMS UP. R/D POWER SWIVEL. L/D 5 JTS TBNG. LAND WELL ON HANGER. R/D FLOOR. NDBOP. UN-LAND WELL. SET TAC. HAD TROUBLE SETTING TAC. KEPT SLIPPING WHEN WE WOULD PULL OVER. SPENT +/- 2HRS SETTING TAC. FINALLY GOT IT TO SET. LAND WELL ON HANGER @ 10,000#'S OVER STRING WEIGHT. NUWH. INSTALL ROD PUMP CONFIGURATION.  NOTE: FLUSHED TBNG STRING AFTER EVERY 30 JTS W/ HOT TMAC WHILE RIH.  LAND TBNG AS FOLLOWS:  KB= 22.00' HANGER= .83' 149JTS 2-3/8" J-55 TBNG= 4687.79' 4-1/2" WF TAC =3.09' 10JTS 2-3/8" J-55 TBNG =319.25' PSN= 1.10' 1JT 2-3/8" J-55 =33.54' PINNED NC =.60'  EOT @5068.20' PSN @5032.96' TAC @4710.62'	
	14:30 - 18:30	4.00	WO/REP	39		P		X/O TO ROD EQUIP. P/U INSERT PUMP & PRIME / STROKE TEST GOOD. FLUSH TBNG W/ 20BBLs HOT TMAC. RIH W/ INSERT PUMP, 6 K-BARS & 50 - 3/4" RODS & STACK OUT ON PARAFFIN. L/D 2 RODS. P/U STUFFING BOX. R/U PUMP. TRY TO FLUSH TBNG BUT COULD NOT BREAK THRU PLUG. LEAVE WELL OPEN TO PRODUCTION TANKS OVERNIGHT. SDFN.  WILL R/U HOT OILER IN THE AM & HEAT UP THE CSNG + TRY TO RUN RODS. SAFETY= JSA.	
6/26/2013	7:00 - 7:15	0.25	WO/REP	48		P			

US ROCKIES REGION									
Operation Summary Report									
Well: CIGE 22					Spud Date: 2/23/1979				
Project: UTAH-UINTAH			Site: CIGE 22			Rig Name No:			
Event: WELL WORK EXPENSE			Start Date: 6/24/2013			End Date: 6/26/2013			
Active Datum: RKB @4,807.00usft (above Mean Sea Level)					UWI: CIGE 22				
Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (usft)	Operation	
	7:15 - 19:00	11.75	WO/REP	39		P		<p>CP= 5#. TP= 0#. RODS STACKING OUT FROM PREVIOUS DAY. MIRU HOT OILER. FLUSH CSNG W/ 120BBLS HOT TMAC. RODS BEGAN TO LOOSEN UP SLIGHTLY. RIH W/ 10 MORE 3/4" RODS AND STACKED OUT ON PARAFFIN AGAIN @1679'. R/U HOT OILER ONTO TBNG. TRY TO PUMP DOWN TBNG BUT JUST PRESSURED UP. BLEED OFF PRESSURE.</p> <p>POOH W/ ROD STRING. R/U HOT OILER ONTO TBNG AGAIN. PUMP 2BBLS &amp; PRESSURED UP @3300# THEN FINALLY BROKE PARAFFIN PLUG LOOSE. CONT FLUSHING TBNG W/ 45BBLS HOT TMAC-SOLVENT SOLUTION. R/D HOT OILER. RIH W/ RODS TO A DEPTH OF 2350' AND STACK OUT ON PARAFFIN AGAIN. R/U HOT OILER &amp; TRY TO FLUSH TBNG BUT PRESSURED UP W/ NO MOVEMENT. BLEED OFF PRESSURE.</p> <p>POOH W/ ROD STRING. L/D PUMP. P/U 2-3/8" WAX KNIFE. RIH W/ WAX KNIFE ( ROD CONVEYED). CUT HEAVY WAX FROM 1900' TO 2600' AND THEN FELL THRU. CONT P/U RODS &amp; RIH TO 5000'. INSTALL POLISHED ROD &amp; STUFFING BOX. R/U HOT OILER &amp; FLUSH TBNG/RODS W/ 30BBLS HOT TMAC-SOLVENT SOLUTION. BLEED OFF PRESSURE. POOH W/ ROD STRING. L/D WAX KNIFE. RIH W/ PUMP &amp; ROD STRING AS FOLLOWS:</p> <p>1-1/4" X 30' SPRAY METAL POLISHED ROD                      4' X 7/8" GRADE D SLK PONY                      8' X 7/8" GRADE D SLK PONY                      41) - 7/8" GRADE D SLK SUCKER RODS W/ SLIM HOLE "T" COUPLINGS =1025'                      152) - 3/4" GRADE D SLK SUCKER RODS W/ "T" COUPLINGS =3800'                      6) 1-1/4" X GRADE D WEIGHT BARS. = 150'                      2.50' X 7/8" GRADE D STABALIZER BAR W/ 3/4" PINS.                      RH RELEASE BACKOFF TOOL =.60'                      2 X 1-1/2" X 24' RWAC INSERT PUMP. SLIM HOLE BARREL. STEEL W/ CHROME ID. 3 CUP THD. PUMP# 3600</p> <p>SPACE OUT PUMP. SEAT &amp; STROKE TEST PUMP GOOD @1000#. INSTALL HORSE HEAD. BRING WELL ON LINE.</p>	

1 General

1.1 Customer Information

Company	US ROCKIES REGION
Representative	
Address	

1.2 Well/Wellbore Information

Well	CIGE 22	Wellbore No.	OH
Well Name	CIGE 022	Wellbore Name	CIGE 22
Report No.	1	Report Date	5/8/2013
Project	UTAH-UINTAH	Site	CIGE 22
Rig Name/No.		Event	RECOMPL/RESEREVEADD
Start Date	5/8/2013	End Date	
Spud Date	2/23/1979	Active Datum	RKB @4,807.00usft (above Mean Sea Level)
UWI	CIGE 22		

1.3 General

Contractor	CUTTERS	Job Method	PERFORATE	Supervisor	JEFF SAMUELS
Perforated Assembly	PRODUCTION CASING	Conveyed Method	WIRELINE		

1.4 Initial Conditions

1.5 Summary

Fluid Type	KCL WATER	Fluid Density	8.40 (ppg)	Gross Interval	4,836.0 (usft)-4,978.0 (usft)	Start Date/Time	5/16/2013 12:00AM
Surface Press	0.00 (psi)	Estimate Res Press		No. of Intervals	4	End Date/Time	5/24/2013 12:00AM
TVD Fluid Top	0.0 (usft)	Fluid Head	4,978.0 (usft)	Total Shots	24	Net Perforation Interval	8.00 (usft)
Hydrostatic Press	2,172.22 (psi)	Press Difference	2,172.22 (psi)	Avg Shot Density	3.00 (shot/ft)	Final Surface Pressure	
Balance Cond	OVER BALANCED					Final Press Date	

2 Intervals

2.1 Perforated Interval

Date	Formation/Reservoir	CCL@ (usft)	CCL-T S (usft)	MD Top (usft)	MD Base (usft)	Shot Density (shot/ft)	Misfires/Add. Shot	Diameter (in)	Carr Type /Stage No	Carr Size (in)	Phasing (°)	Charge Desc /Charge Manufacturer	Charge Weight (gram)	Reason	Misrun
5/20/2013 12:00AM				4,836.0	4,838.0	3.00		0.360	HSC/1	3.125	90.00	DEEP PENETRATOR/TITAN	23.00	PRODUCTIO N	

2.1 Perforated Interval (Continued)

Date	Formation/ Reservoir	CCL@ (usft)	CCL-T S (usft)	MD Top (usft)	MD Base (usft)	Shot Density (shot/ft)	Misfires/ Add. Shot	Diamete r (in)	Carr Type /Stage No	Carr Size (in)	Phasing (°)	Charge Desc /Charge Manufacturer	Charge Weight (gram)	Reason	Misrun
5/24/2013 12:00AM				4,861.0	4,863.0	3.00		0.360	HSC/1	3.125	90.00	DEEP PENETRATOR/TITAN	23.00	PRODUCTIO N	
5/16/2013 12:00AM				4,961.0	4,963.0	3.00		0.360	HSC/1	3.125	90.00	DEEP PENETRATOR/TITAN	23.00	PRODUCTIO N	
5/16/2013 12:00AM	GREEN RIVER/			4,976.0	4,978.0	3.00		0.360	HSC/1	3.125	90.00	DEEP PENETRATOR/TITAN	23.00	PRODUCTIO N	

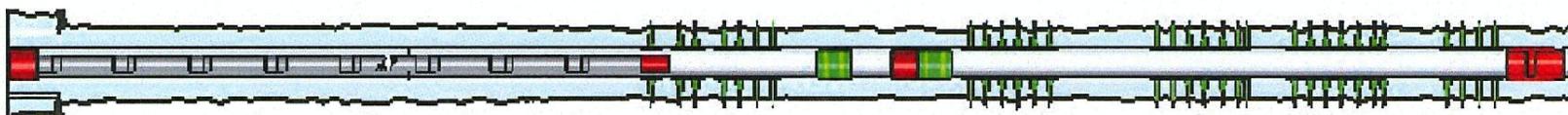
3 Others

3.1 Remarks

PERF HOLES FOR D-FIT TEST

4 Plots

4.1 Wellbore Schematic



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

RECEIVED

FORM 6

MAY 21 2013

Div. of Oil, Gas & Mining

ENTITY ACTION FORM

Operator: KERR MCGEE OIL & GAS ONSHORE LP Operator Account Number: N 2995  
 Address: P.O. Box 173779  
city DENVER  
state CO zip 80217 Phone Number: (720) 929-6236

Well 1

API Number	Well Name		QQ	Sec	Twp	Rng	County
4304730497	CIGE 22		SENW	15	9S	20E	UINTAH
Action Code	Current Entity Number	New Entity Number	Spud Date			Entity Assignment Effective Date	
D	2900	19119				6/19/13	
<b>Comments:</b> The operator formally requests to change the subject well from the Natural Buttes Unit to the Maverick Unit. <u>GRRV</u>							

Well 2

API Number	Well Name		QQ	Sec	Twp	Rng	County
Action Code	Current Entity Number	New Entity Number	Spud Date			Entity Assignment Effective Date	
<b>Comments:</b>							

Well 3

API Number	Well Name		QQ	Sec	Twp	Rng	County
Action Code	Current Entity Number	New Entity Number	Spud Date			Entity Assignment Effective Date	
<b>Comments:</b>							

**ACTION CODES:**

- A - Establish new entity for new well (single well only)
- B - Add new well to existing entity (group or unit well)
- C - Re-assign well from one existing entity to another existing entity
- D - Re-assign well from one existing entity to a new entity
- E - Other (Explain in 'comments' section)

Teena Paulo

Name (Please Print)

Signature

Staff Regulatory Specialist

Title

5/22/2013

Date

# AMENDED

AMEND

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB NO. 1004-0137  
Expires: October 31, 2014

## WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No.  
UTU0144868

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and No.  
UTU88574X

8. Lease Name and Well No.  
CIGE 22

9. API Well No.  
4304730497

10. Field and Pool or Exploratory  
NATURAL BUTTES

11. Sec., T., R., M., on Block and  
Survey or Area  
SEC 15, T9S, R20W SLB

12. County or Parish  
UINTAH

13. State  
UT

1a. Type of Well  Oil Well  Gas Well  Dry  Other

b. Type of Completion:  New Well  Work Over  Deepen  Plug Back  Diff. Resrv.,  
Other: RECOMPLETION

2. Name of Operator  
KERR MCGEE OIL & GAS ONSHORE, L.P.

3. Address PO BOX 173779  
DENVER, CO 80217

3a. Phone No. (include area code)  
720-929-6000

14. Date Spudded  
02/23/1979

15. Date T.D. Reached  
03/27/1979

16. Date Completed 06/09/2013  
 D & A  Ready to Prod.

17. Elevations (DF, RKB, RT, GL)\*  
4807 RKB

4. Location of Well (Report location clearly and in accordance with Federal requirements)\*  
At surface SENW 1980 FNL 1980 FWL SEC 15, T9S, R20E  
At top prod. interval reported below  
At total depth

18. Total Depth: MD 7000  
TVD

19. Plug Back T.D.: MD ~~6970~~ 4890  
TVD

20. Depth Bridge Plug Set: MD CIBP 5270 & 5655  
TVD RBP 4890

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)  
DIL-FDC/CNL

22. Was well cored?  No  Yes (Submit analysis)  
Was DST run?  No  Yes (Submit report)  
Directional Survey?  No  Yes (Submit copy)

23. Casing and Liner Record (Report all strings set in well)

Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sk. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
12 1/4	9.625 K-55	36		204		150		0	
7.875	4.5 N80	13.5		7000		2175			

NO CHANGES TO SURFACE OR PROD CSG.

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2.375	5068	4839						

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) LONG POINT	4836	4978	4836-4978	0.36	24	12 OPEN
B)			4961-4978		12	UNDER RBP@4890'
C)						
D)						

27. Acid, Fracture, Treatment, Cement Squeeze, etc.

Depth Interval	Amount and Type of Material
4836-4978	PUMP 6 BBLs X-LINK & 2,261 BBLs SLICK H2O & 105,000 LBS 20/40 OTTAWA SAND
	1 STAGE
	6/3/13 - 6 BBLs ACID, 1983 BBLs X-LINK GEL, 284 BBLs SLICK WATER
	105,600 # 20/40 SAND

28. Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
6/9/13	7/1/13	24	→	84	5	64			PUMPING

Choke Size: 0  
Tbg. Press. SI: 104  
Csg. Press.: 87  
24 Hr. Rate: →  
Oil BBL: 84  
Gas MCF: 5  
Water BBL: 64  
Gas/Oil Ratio: →  
Well Status: PRODUCING

28a. Production - Interval B

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						

Choke Size: 0  
Tbg. Press. SI: 104  
Csg. Press.: 87  
24 Hr. Rate: →  
Oil BBL: 84  
Gas MCF: 5  
Water BBL: 64  
Gas/Oil Ratio: →  
Well Status: PRODUCING

\*(See instructions and spaces for additional data on page 2)

28b. Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
			→						

28c. Production - Interval D

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
			→						

29. Disposition of Gas (Solid, used for fuel, vented, etc.)

SOLD

30. Summary of Porous Zones (Include Aquifers):

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.

31. Formation (Log) Markers

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top
					Meas. Depth
				BIRD'S NEST	1931
				MAHOGANY	2437
				DOUGLAS CREEK	4257
				CARB MARKER	4639
				LONG POINT	4793
				UTELAND BUTTE	5127
				WASATCH	5249

32. Additional remarks (include plugging procedure):

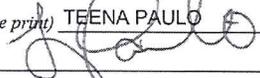
THE WELL WAS ORIGINALLY COMPLETED IN THE WASATCH FORMATION. TWO CIBP'S WERE SET AT 5655 FT WITH DUMP BAIL 7 SX CEMENT AND 5270 FT WITH DUMP BAIL 7 SX CEMENT TO PERMANENTLY ISOLATE THE WASATCH. A RETRIEVABLE BRIDGE PLUG WAS SET AT 4890 FT WITH DUMP BAIL 1 SX CEMENT ON TOP. ~~THIS PLUG WAS REMOVED ON 6/24/13. THE WELL WAS RECOMPLETED IN THE GREEN RIVER (LONG POINT) AND IS NOW PRODUCING OIL.~~

SAND

33. Indicate which items have been attached by placing a check in the appropriate boxes:

- Electrical/Mechanical Logs (1 full set req'd.)     
  Geologic Report     
  DST Report     
  Directional Survey  
 Sundry Notice for plugging and cement verification     
  Core Analysis     
  Other:

34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions)\*

Name (please print) TEENA PAULO Title STAFF REGULATORY SPECIALIST  
 Signature  Date 11-18-2013

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, 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.

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	<b>FORM 9</b>  <b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> U-0144868
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>  <b>7. UNIT or CA AGREEMENT NAME:</b> MAVERICK
<b>1. TYPE OF WELL</b> Gas Well	<b>8. WELL NAME and NUMBER:</b> CIGE 22
<b>2. NAME OF OPERATOR:</b> KERR-MCGEE OIL & GAS ONSHORE, L.P.	<b>9. API NUMBER:</b> 43047304970000
<b>3. ADDRESS OF OPERATOR:</b> P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779	<b>PHONE NUMBER:</b> 720 929-6514
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 1980 FNL 1980 FWL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: SENW Section: 15 Township: 09.0S Range: 20.0E Meridian: S	<b>9. FIELD and POOL or WILDCAT:</b> MAVERICK BUTTES  <b>COUNTY:</b> UINTAH  <b>STATE:</b> UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> <b>NOTICE OF INTENT</b> Approximate date work will start: <b>11/20/2013</b>	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input type="checkbox"/> <b>SUBSEQUENT REPORT</b> Date of Work Completion:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> <b>SPUD REPORT</b> Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> <b>DRILLING REPORT</b> Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input checked="" type="checkbox"/> OTHER	OTHER: <input type="text" value="Refrac"/>

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

The operator requests approval to refrac the green river in the longpoint zone. Please see attached procedure.

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

**Date:** December 16, 2013

**By:** *Derek Quist*

<b>NAME (PLEASE PRINT)</b> Cara Mahler	<b>PHONE NUMBER</b> 720 929-6029	<b>TITLE</b> Regulatory Analyst I
<b>SIGNATURE</b> N/A	<b>DATE</b> 11/20/2013	



# Maverick Unit

**CIGE 22**

**RE-COMPLETIONS PROCEDURE**

**LONG POINT ZONE: BOTTOM ZONE FRAC**

**DATE: 11/14/13**

**AFE#: 2084415**

**API#: 4304730497**

**USER ID: MRX575**

**COMPLETIONS ENGINEER: Kevin Lammers, Denver, CO  
(720) 929-6109 (Office)  
(713) 829-7143 (Cell)**

**REMEMBER SAFETY FIRST!**

**Name:** CIGE 22  
**Location:** SE NW Sec 15 T9S R20E  
**LAT: 40.037280** **LONG: -109.655402** **COORDINATE: NAD83 (Surface Location)**  
**Uintah County, UT**  
**Date:** 11/14/13

**ELEVATIONS:** 4785' GL 4807' KB *Frac Registry TVD: 6998*

**TOTAL DEPTH:** 7000' **PBTD:** 6970'  
**SURFACE CASING:** 9 5/8", 36# K-55 STC @ 204'  
**PRODUCTION CASING:** 4 1/2", 13.5#, N-80 LTC@ 2978'  
 4 1/2", 11.6#, N-80 LTC@ 2978-7000'  
 Marker Joint - No record of marker joints

**TUBULAR PROPERTIES:**

	BURST (psi)	COLLAPSE (psi)	DRIFT DIA. (in.)	CAPACITIES	
				(bbl/ft)	(gal/ft)
2 3/8" 4.7# J-55 tbg	7,700	8,100	1.901"	0.00387	0.1624
4 1/2" 13.5# N-80	9,020	8,540	3.795"	0.0149	0.6269
2 3/8" by 4 1/2" Annulus				0.0094	
4 1/2" 11.6# N-80	7,780	6,350	3.875"	0.0155	0.6528
2 3/8" by 4 1/2" Annulus				0.0101	

**TOPS:**

1931' Bird's Nest Top  
 2437' Mahogany Top  
 4257' Douglas Creek Top  
 4639' Carb. Marker Top  
 4793' Long Point Top  
 5127' Uteland Butte Top  
 5249' Wasatch Top  
 Mesaverde Top (Not Penetrated)  
 \*Based on latest geological interpretation

**T.O.C. @ Surface**

\*\*Based on cementing report, No CBL in well file.

All perforation depths are from Schlumbergers Induction-Density-Neutron log dated 3/28/79.

**GENERAL:**

- Please note that:
  - CBP depth on this procedure is only to be used as a reference. This depth is subject to change as per field operations and the discretion of the wireline supervisor and field foreman.

**Existing Perforations (from Open Wells):**

<b>PERFORATIONS</b>						
<u>Formation</u>	<u>Zone</u>	<u>Top</u>	<u>Btm</u>	<u>spf</u>	<u>Shots</u>	<u>Date</u>
WASATCH		5705	5706	1	1	04/27/1979
WASATCH		5707	5708	1	1	04/27/1979
WASATCH		5709	5710	1	1	04/27/1979
WASATCH		6116	6117	1	1	04/27/1979
WASATCH		6117	6118	1	1	04/27/1979
WASATCH		6135	6136	1	1	04/27/1979
WASATCH		6136	6137	1	1	04/27/1979
WASATCH		6460	6461	1	1	04/27/1979
WASATCH		6463	6464	1	1	04/27/1979
WASATCH		6471	6472	1	1	04/27/1979
WASATCH		6472	6473	1	1	04/27/1979
WASATCH		6931	6932	1	1	04/27/1979
WASATCH		6933	6934	1	1	04/27/1979

<u>Formation</u>	<u>Zone</u>	<u>Top</u>	<u>Btm</u>	<u>spf</u>	<u>Shots</u>	<u>Date</u>
GREEN RIVER	LONGPOINT	4836	4838		3	6 5/20/2013
GREEN RIVER	LONGPOINT	4861	4863		3	6 5/20/2013
GREEN RIVER	LONGPOINT	4961	4963		3	6 5/16/2013
GREEN RIVER	LONGPOINT	4976	4978		3	6 5/16/2013

**Relevant History:**

- 5/2/79: Originally completed in Wasatch formation (1 stages) with 2,600 gals 7.5% MSR acid, ~ 14,000 gallons of Slickwater & 56,000 gallons of Crosslinked Gel with 140,000 lbs of 20/40 Ottawa Sand sand.
- 11/19/99: Cleaned out to 6931'
- 5/13/13: Set 2 CIBP's to protect Wasatch, top plug at 5270' with 50' of cement on top.
- 5/15/13: Performed DFIT of lower Longpoint perms
- 5/20/13: Performed DFIT of upper Longpoint perms
- 6/3/13: Frac'd upper Longpoint perms with 105,000 lb. 20/40 sand and 81,620 gal cross-linked fluid, bridge plug separating the two sets for the DFIT was left in during the frac
- 6/24/13: Bridge plug @ 4890' removed. Tubing currently landed @ 5068'

**H2S History:**

Production Date	Gas (avg)	Water (avg)	Oil (avg)	LGR (bbl/M..)	Max H2S Seperator	Separator H2S (lbs)
10/31/2013	35.77	10.90	54.06	1816.05		
9/30/2013	49.53	20.93	69.87	1833.11		
8/31/2013	65.55	32.26	100.87	2031.00		
7/31/2013	44.90	44.90	108.52	3416.67		
6/30/2013	12.67	21.10	59.40	6355.26		
5/31/2013	0.00	0.00	0.00			
4/30/2013	0.00	0.00	0.00		0.00	0.00
3/31/2013	6.32	0.00	0.00	0.00		
2/28/2013	8.11	0.00	0.00	0.00		
1/31/2013	7.97	0.00	0.00	0.00		
12/31/2012	9.06	0.00	0.00	0.00		
11/30/2012	9.33	0.00	0.00	0.00		
10/31/2012	9.42	0.00	0.00	0.00		
9/30/2012	9.43	0.00	0.00	0.00		
8/31/2012	9.10	0.00	0.00	0.00		
7/31/2012	9.06	0.00	0.00	0.00		
6/30/2012	9.17	0.00	0.00	0.00		
5/31/2012	9.77	0.00	0.00	0.00		
4/30/2012	9.83	0.00	0.00	0.00		
3/31/2012	8.10	0.00	0.00	0.00		
2/29/2012	0.00	0.00	0.00			
1/31/2012	0.00	0.00	0.00			
12/31/2011	0.00	0.00	0.00		0.00	0.00
11/30/2011	6.37	0.00	0.00	0.00	0.00	0.00
10/31/2011	12.35	0.00	0.00	0.00		
9/30/2011	11.93	0.00	0.00	0.00		
8/31/2011	12.81	0.00	0.00	0.00		
7/31/2011	0.00	0.00	0.00			
6/30/2011	0.00	0.00	0.00			

\*All previous history indicates 0 ppm H2S

**PRE-JOB CONSIDERATIONS:**

- 1 fracturing stage required for coverage.
- A minimum of 4 tanks (cleaned lined 500 bbl) of fresh water will be required.

**Note:**

- Use biocide from Nalco (as applicable) in frac tanks
- Do not use clay stabilizer, a 4% KCl blend will be mixed into fresh water for frac
- Water needs to be at least 65-75°F at pump time
- ParaSorb 5005 will be pumped
- Procedure calls for 1 CBP (8,000 psi)
- 20/40 mesh Ottawa sand.

- Max Sand Concentration: Green River - Long Point 3 ppg

#### ON SITE CONSIDERATIONS:

- Maximum surface pressure **6200 psi**.
- **If casing pressure test fails (pressure loss of 1.5% psi or more), retest for 15 minutes. If pressure loss of 1.5% more on second test, notify Denver engineers. Record in Openwells. MIRU with tubing and packer. Isolate leak by pressure testing above and below the packer. RIH and set appropriate casing leak remediation. Re-pressure test to 1000 for 15 minutes and to 6200 psi for 30 minutes (specific details on remediation should be documented in OpenWells).**
- Calculate open perforations after each breakdown. If less than 60% of the perforations appear to be open, ball out with 15% HCl.
- Flush volumes are the sum of FR water used during displacement (include scale inhibitor as mentioned above).
- Call flush at 0 PPG @ inline densimeters. Slow to 5 bbl/min over last 10-20 bbls of flush.
- pH should be measured during the treatment in order to make sure acid has been flushed from the treating lines and will not affect the cross-linked gel.
- Multiple test samples will be pulled on the fly to check crosslinked gel.
- Bucket tests should be performed prior to pumping to assure the chemical pumps working and pumping at the desired rate.

#### PROCEDURE:

1. MIRU. Kill well as needed. ND WH, NU and test BOPE.
2. POOH w/tubing. Visually inspect for scale and consider replacing tubing if needed.
3. RIH and log CBL.
4. RIH with 2 7/8" flush joint tubing and packer. Land @ ~4911', circulate packer fluid, and set packer.
5. ND BOPs and NU frac valves. Test frac valves and casing to 1000 psi for 15 minutes and to **6200 psi** for 30 minutes. As per standard operating procedure install steel blowdown line to reserve pit from 4 1/2"X 9 5/8" annulus. Lock **OPEN** the Braden head valve. Annulus will be monitored throughout stimulation. If release occurs, stimulation will be shut down. Well conditions will be assessed and actions taken as necessary to secure the well. UDOGM will be notified if a release to the annulus occurs.
6. Pressure test frac lines to max surface pressure + 1000 psi for 15 minutes. Pressure loss should be less than 10% to be considered acceptable. Check and correct for existing leaks.
7. Spear head 250 gals of 15% HCl at 5 bpm pumping rate. Fracture as outlined in Stage 1 on attached listing. Monitor pressure on the annulus to determine whether frac is coming in

- above the packer through existing perforations. If pressure response is seen, shut down and contact Denver engineer. Displace with 1227 gal of slickwater (volume to top perf).
8. ND Frac Valves, NU and Test BOPs, when well stops flowing, unset packer and POOH with tubing and packer. RIH and land tubing at 5122' unless otherwise instructed by production engineer.
  9. **Leave surface casing valve open.** Monitor and report any flow from surface casing. RDMO

**GREEN RIVER OIL WELL OPERATING PROCEDURE:**

The Green River oil wells will be produced and treated in the following manner. Oil, water and gas will flow to surface treating facilities where it will be separated. The oil and water will then flow to storage tanks. Gas will flow in to the gathering system; which has a nominal operating pressure of ~120 psig. If gas line pressure increases above the 120 psig range the gas will flow to a compressor and be compressed to line pressure. If the compressor is down due to mechanical problems or line pressure is out of range for the compressor, gas will flow to a flare and be burned on site. If no compressor is installed then gas will be flared when pressure is greater than 120 psig.

Key Contact information

Completion Engineer

Paul Ryza: 936/499-6895, 720/929-6915

Production Engineer

Jesse Markeveys: 215/380-0781, 435/781-7055

Brad Laney: 435/781-7031, 435/828-5469

Completion Supervisor Foreman

Jeff Samuels: 435/828-6515, 435/781-7046

Completion Manager

Jeff Dufresne: 720/929-6281, 303/241-8428

Vernal Main Office

435/789-3342

Emergency Contact Information—Call 911

Vernal Regional Hospital Emergency: 435-789-3342

Police: (435) 789-5835

Fire: 435-789-4222



**4% KCl SOLUTION WILL BE MIXED INTO WATER IN PLACE OF CLAY STABILIZER**

## Weatherford Supplied Chemicals - Job Totals

<b>Acid</b>					
Corrosion Inhibitor	1.0	gals @		4.0	GPT
Surfactant	0.3	gals @		1.0	GPT
Iron Control Agent 1	1.3	gals @		5.0	GPT
Iron Control Agent 2	1.3	gals @		5.0	GPT
<b>Slickwater</b>					
Biocide	1.2	gals @		0.4	GPT
Surfactant	3.1	gals @		1.0	GPT
FR	3.1	gals @		1.0	GPT
Clay Stabilizer	0.0	gals @		0.0	GPT
<b>Gel</b>					
Biocide	18.5	gals @		0.4	GPT
Surfactant	46.2	gals @		1.0	GPT
ph Control	11.6	gals @		0.3	GPT
Slurried Gelling Agent	231.2	gals @		5.0	GPT
Crosslinker	32.4	gals @		0.7	GPT
Encapsulated Breaker	34.7	gals @		0.8	lb PT
<b>Flush</b>					
FR	1.2	gals @		1.0	GPT
Biocide	0.5	gals @		0.4	GPT
Surfactant	1.2	gals @		1.0	GPT
Breaker	20.9	lb @		17.0	lb PT
Iron Control	9.8	gals @		8.0	GPT

NOTES:

If using any chemicals for pickling tubing or H2S Scavenging, have MSDS for all chemicals prior to starting work

Acid Pickling and H2S Procedures (If Required)

**\*\*PROCEDURE FOR PUMPING ACID DOWN TBG**

WHEN FINDING SCALE IN TUBING THAT IS ACID SOLUBLE, ENSURE THAT PLUNGER EQUIPMENT IS REMOVED AND ABLE TO PUMP DOWN TBG. INSTALL A 'T' IN PUMP LINE W/2" VALVE THAT NALCO CAN TIE INTO. HAVE 60 BBLs 2% KCL MIXED W/ 10-15 GAL H2S SCAVENGER IN RIG FLAT TANK. (WE USED THE RIG FLAT TANK FOR MIXING CHEMICAL SO WE DIDN'T HAVE THE CHEMICAL IN ALL FLUIDS ON LOCATION, ONLY WHAT WE NEEDED TO PUMP DOWN HOLE)

1. PUMP 5-10 BBLs 2% KCL DOWN TBG (NALCO CANNOT PUMP AGAINST PRESSURE)
2. NALCO WILL PUMP 3 DRUMS HCL (31%) INTO PUMP LINE.
3. FLUSH BEHIND ACID WITH 10-15 BBL 2% KCL
4. PUMP 2—30 BBL 2% W/ H2S SCAVENGER DOWN TBG.
5. PUMP REMAINDER OF 2% W/ H2S SCAVENGER DOWN CASING AND SHUT WELL IN FOR MINIMUM OF 2 HRS.
6. OVER DISPLACE DOWN TBG AND CSG TO FLUSH ACID AND SCAVENGER INTO FORMATION
7. MONITOR TUBING FOR FLOW AND CASING FOR H2S NOW AS POOH W/ TUBING.

**\*\* PROCEDURE FOR PUMPING H2S SCAVENGER WITHOUT ACID**

PRIOR TO RIG MOVING ON OR AS RIG PULLS ONTO LOCATION. TEST CASING, TUBING AND SEPARATOR FOR H2S. IF FOUND MAKE SURE THAT PLUNGER SYSTEM IS REMOVED (IT IS POSSIBLE TO PUMP AROUND PLUNGERS BUT SOME WILL HAVE A STANDING VALVE IN SEATING NIPPLE).

1. MIX 10-15 GAL H2S SCAVENGER WITH 60-100 BBL 2% KCL IN RIG FLAT TANK.
2. PUMP 25 BBLs MIXTURE DOWN TUBING AND REST DOWN CASING. SHUT WELL IN FOR 2 HOURS.
3. IF WELL HAS PRESSURE AFTER 2 HOURS – RETEST CASING AND TUBING FOR H2S.
4. FLUSH TUBING AND CASING PUSHING H2S SCAVENGER INTO FORMATION.
5. MONITOR TUBING FOR FLOW AND CASING FOR H2S NOW AS POOH W/ TUBING.

\*\* As per APC standard operating procedure, APC foreman will verify ALL volumes pumped and record on APC Volume Report Form

CIGE 22 Directional Survey					
MD	TVD	EW	NS	INC	AZI
0	0	0.0	0.0	0.0	0.0
100	100	0.4	0.0	0.4	93.9
200	200	1.3	0.0	0.7	89.7
300	300	2.8	0.1	1.0	79.3
400	400	4.6	0.4	1.0	80.9
500	500	6.3	0.6	1.0	87.3
600	600	7.8	0.4	0.8	109.9
700	700	9.1	-0.1	0.8	116.4
800	800	10.4	-0.7	0.9	108.1
900	900	11.8	-0.9	0.8	89.8
1000	1000	13.1	-0.8	0.7	80.2
1100	1100	14.3	-0.5	0.7	70.3
1200	1200	15.4	-0.1	0.6	73.8
1300	1300	16.2	-0.1	0.4	117.4
1400	1400	16.4	-0.6	0.4	201.3
1500	1500	16.2	-1.3	0.5	190.8
1600	1600	15.9	-2.2	0.7	202.5
1700	1700	15.0	-3.1	0.9	240.9
1800	1800	13.1	-3.7	1.4	259.5
1900	1900	10.6	-4.0	1.5	269.3
2000	2000	7.9	-4.4	1.6	253.1
2100	2100	5.7	-5.1	1.2	250.4
2200	2200	3.7	-5.8	1.1	254.5
2300	2300	1.9	-6.8	1.4	227.3
2400	2400	0.4	-8.9	1.6	208.3
2500	2500	-0.6	-11.5	1.7	192.3
2600	2600	-1.1	-14.5	1.7	184.5
2700	2700	-1.3	-17.3	1.4	183.9
2800	2800	-1.5	-19.6	1.3	188.2
2900	2900	-1.8	-21.8	1.2	186.7
3000	2999	-2.3	-24.0	1.3	198.1
3200	3199	-3.3	-28.8	1.5	185.9
3400	3399	-3.4	-33.5	1.3	177.3
3600	3599	-3.3	-38.2	1.4	178.9
3800	3799	-1.8	-42.8	1.5	145.9
4000	3999	0.8	-47.0	1.4	152.2
4200	4199	2.9	-51.0	1.2	150.7
4400	4399	5.3	-54.5	1.3	142.1
4600	4599	8.7	-58.3	1.7	134.4
4800	4799	12.5	-62.8	1.7	145.4
5000	4999	16.8	-67.8	2.1	134.7
5200	5199	21.2	-73.4	2.0	149.6
5400	5399	24.9	-79.7	2.2	149.8
5600	5598	28.0	-86.3	2.0	158.9
5800	5798	29.6	-93.2	2.1	174.8

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	<b>FORM 9</b>
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	5. LEASE DESIGNATION AND SERIAL NUMBER: U-0144868
1. TYPE OF WELL Gas Well	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.	7. UNIT or CA AGREEMENT NAME: MAVERICK
3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779	8. WELL NAME and NUMBER: CIGE 22
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1980 FNL 1980 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SENW Section: 15 Township: 09.0S Range: 20.0E Meridian: S	9. API NUMBER: 43047304970000
PHONE NUMBER: 720 929-6100	9. FIELD and POOL or WILDCAT: NATURAL BUTTES
COUNTY: UINTAH	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 Approximate date work will start:	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 12/20/2013	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> DEEPEN	<input checked="" type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input style="width: 100px;" type="text"/>

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

The Operator performed the refrac on this well in December, 2013. The well is now producing from both the Upper and Lower Long Point formation. Attached is the daily history for the refrac.

**Accepted by the  
 Utah Division of  
 Oil, Gas and Mining  
 FOR RECORD ONLY  
 April 01, 2014**

<b>NAME (PLEASE PRINT)</b> Kay E. Kelly	<b>PHONE NUMBER</b> 720 929 6582	<b>TITLE</b> Regulatory Analyst
<b>SIGNATURE</b> N/A	<b>DATE</b> 3/28/2014	

US ROCKIES REGION  
Operation Summary Report

US ROCKIES REGION								
Operation Summary Report								
Well: CIGE 22				Spud Date: 2/23/1979				
Project: UTAH-UINTAH			Site: CIGE 22			Rig Name No:		
Event: RECOMPL/RESEREVEADD			Start Date: 12/16/2013		End Date: 12/20/2013			
Active Datum: RKB @4,807.00usft (above Mean Sea Level)				UWI: CIGE 22				
Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (usft)	Operation
12/16/2013	12:00 - 13:30	1.50	MIRU	30	A	P		ROAD RIG F/ NBU 921-20N TO CIGE 22 & RU.
	13:30 - 13:45	0.25	MIRU	48		P		HSM, REVIEW POOH RODS.
	13:45 - 16:00	2.25	WO/REP	39	A	P		UN-SEATED PUMP, LD 4' SUB & 1 ROD, PU POLISH ROD, RU HOT OILER, PUMP 30 BBLs OF HOT WATER W/ 1 DRUM OF PARAFFIN DISPERSANT DWN CSG & 40 BBLs DWN TBG TO CLEAN RODS, RD JDM HOTOILER.
	16:00 - 18:00	2.00	WO/REP	39	B	P		POOH 40- 7/8" RODS & 152- 3/4" RODS, LD 6-1-1/4 S.B. W/ 2" RWAC INSERT PUMP, SWI, SDFN.
12/17/2013	7:00 - 7:30	0.50		48		P		HSM, REVIEW SCANNING TBG.
	7:30 - 8:45	1.25	COMP	40	D	P		RU JDM HOT OILER, PUMP 35 BBLs HOT WTR W/ PARAFFIN DISPERSANT DWN CSG & 30 BBLs DWN TBG, RD JDM.
	8:45 - 9:30	0.75	COMP	30	F	P		ND WH, RELEASE TBG ANCHOR, NU BOP'S, RU FLOOR & TBG EQUIPMENT, UNLAND TBG.
	9:30 - 13:00	3.50	COMP	45	A	P		RU SCAN, POOH & SCAN 160 JTS. 2-3/8" J-55 TBG, LD 11 JTS. DUE TO INTERNAL MED SCALE, RD SCAN TECH.
	13:00 - 15:00	2.00	COMP	36	1	P		RD FLOOR & TBG EQUIPMENT, INSTALL FRAC VALVE, RU FLOOR, SWI, SDFN.
12/18/2013	7:00 - 15:00	8.00	COMP	46	G	P		STAND-BY
12/19/2013	7:00 - 7:15	0.25		48		P		HSM, REVIEW FRACING WELL.
	7:15 - 13:00	5.75	COMP	48	F	P		MIRU NABORS, HSM, JSA # 1
	15:00 - 18:30	3.50	COMP	36	F	P		REFER TO STIMULATION PJR FOR FLUID, SAND AND CHEMICAL VOLUMES, ALL STAGES WERE PERFORATED ACCORDING TO PERF RECORD IN OPEN WELLS, ALL STAGES WERE STIMULATED TO VENDOE POST JOB REPORT.  PRESSURE TEST FRAC LINES TO 7229 PSI. TEST GOOD  STARTED FRAC WITH X-LINK LOST X-LINK STARTING 1# STAGE PH IN HYDRATION UNIT DROPPED TO 3 COULD NOT GET X-LINK CHEMICAL TO WORK .STARTED BACK FRAC WITH 18# LINEAR GEL JOB WENT FINE.  FRAC STG LONG POINT ZONE BOTTOM ZONE ] WHP=0#, BRK DN PERFS=# @=BPM, INTIAL ISIP=#, FG=., FINAL ISIP=1274# FG=.69,  SWI, SDFN.  TOTAL BBLs= 1616 TOTAL SAND=72,020#
12/20/2013	7:00 - 7:15	0.25	COMP	48		P		HSM, REVIEW TRIPPING TBG.
	7:15 - 8:30	1.25	COMP	47	A	P		RD FLOOR, ND FRAC VALVE, NU BOP'S, RU FLOOR & TBG EQUIPMENT,

US ROCKIES REGION  
**Operation Summary Report**

Well: CIGE 22		Spud Date: 2/23/1979	
Project: UTAH-UINTAH		Site: CIGE 22	Rig Name No:
Event: RECOMPL/RESEREVEADD		Start Date: 12/16/2013	End Date: 12/20/2013
Active Datum: RKB @4,807.00usft (above Mean Sea Level)		UWI: CIGE 22	

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (usft)	Operation
	8:30 - 15:00	6.50	COMP	31	I	P		PU 3-5/8" SHORT SLAUGH MILL, TALLY & RIH 2-3/8" J-55 TBG, TAG @ 5179' BTM PERF @ 4978', (201' RATHOLE) POOH 2-3/8" TBG, LD MILL & BIT SUB, PU NOTCH COLLAR, 1 JNT, SN, 9 JTS, TAC, 149 JTS, COULD NOT SET TAC, KEPT SLIPPING, WOULD NOT SET, LAND TBG W/ 159 JTS. 2-3/8" J-55 TBG, EOT@ 5,036.91', RD FLOOR & TBG EQUIPMENT, ND BOP'S, NU WH.  TBG DETAIL:  KB----- -----22' HANGER----- -----.83 149 JTS. 2-3/8" J-55 TBG-----4692.46 TAC----- -----3.09 9 JTS. 2-3/8" J-55 TBG-----285.15 API S/N----- -----1.10 1 JNT 2-3/8"----- ----31.68 PINNED NOTCH COLLAR-----60 EOT@----- -----5,036.91 WLTR. 1,616 BBLS. TOP PERF @ 4,836' BTM PERF @ 4,978' TAG FILL @ 5,179' PBTD @ 5220'

## US ROCKIES REGION

## Operation Summary Report

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Spud Date: 2/23/1979

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UWI: CIGE 22

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (usft)	Operation
	15:00 - 18:00	3.00	COMP	39		P		RIH PUMP & RODS AS FOLLOW:  1-1/4" X 30' SPRAY METAL POLISHED ROD 4' X 7/8" GRADE D SLK PONY 40) - 7/8" GRADE D SLK SUCKER RODS W/ SLIM HOLE "T" COUPLINGS =1000' 152) - 3/4" GRADE D SLK SUCKER RODS W/ "T" COUPLINGS =3800' 6) 1-1/4" X GRADE D WEIGHT BARS. = 150' 2.50' X 7/8" GRADE D STABALIZER BAR W/ 3/4" PINS. RH RELEASE BACKOFF TOOL =.60' 2 X 1-1/2" X 24' RWAC INSERT PUMP. SLIM HOLE BARREL. STEEL W/ CHROME ID. 3 CUP THD. PUMP# 3600  SPACE OUT PUMP, SEATED PUMP, LONG STROKE PUMP, GOOD PUMP ACTION, TESTED TO @ 500#. INSTALL HORSE HEAD, WILL RDMO MONDAY, TURN WELL OVER TO FBC.