

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

**DUPLICATE**

5. LEASE DESIGNATION AND SERIAL NO.  
U-0575 B

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

7. UNIT AGREEMENT NAME  
NATURAL BUTTES UNIT

8. FARM OR LEASE NAME  
NATURAL BUTTES

9. WELL NO.  
CIGE 71-7-9-21

10. FIELD AND POOL, OR WILDCAT  
BITTER CREEK FIELD

11. SEC., T., R., M., OR BLE.  
AND SURVEY OR AREA.  
Sec 7-T9S-R21E

12. COUNTY OR PARISH  
UINTAH

13. STATE  
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 1766' FSL & 1315' FEL, Section 7-T9S-R21E  
At proposed prod. zone  
SAME AS ABOVE

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

15. DISTANCE FROM PROPOSED\* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 1766'

16. NO. OF ACRES IN LEASE 811.02

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

18. DISTANCE FROM PROPOSED LOCATION\* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 3100'

19. PROPOSED DEPTH 7400'

20. ROTARY OR CABLE TOOLS  
ROTARY

21. ELEVATIONS (Show whether DF, RT, GR, etc.) 4720' UNGRADED GROUND

22. APPROX. DATE WORK WILL START\* 2-15-80

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#		CIRCULATE CEMENT BACK TO SURFACE

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

SEE ATTACHED SUPPLEMENTS FOR FURTHER INFORMATION:

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

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. Midriff TITLE DISTRICT SUPERINTENDENT DATE 10/1/79

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

APPROVED BY W. T. Martin FOR E. W. GUYNN DISTRICT ENGINEER DATE JUN 19 1980

CONDITIONS OF APPROVAL, IF ANY:

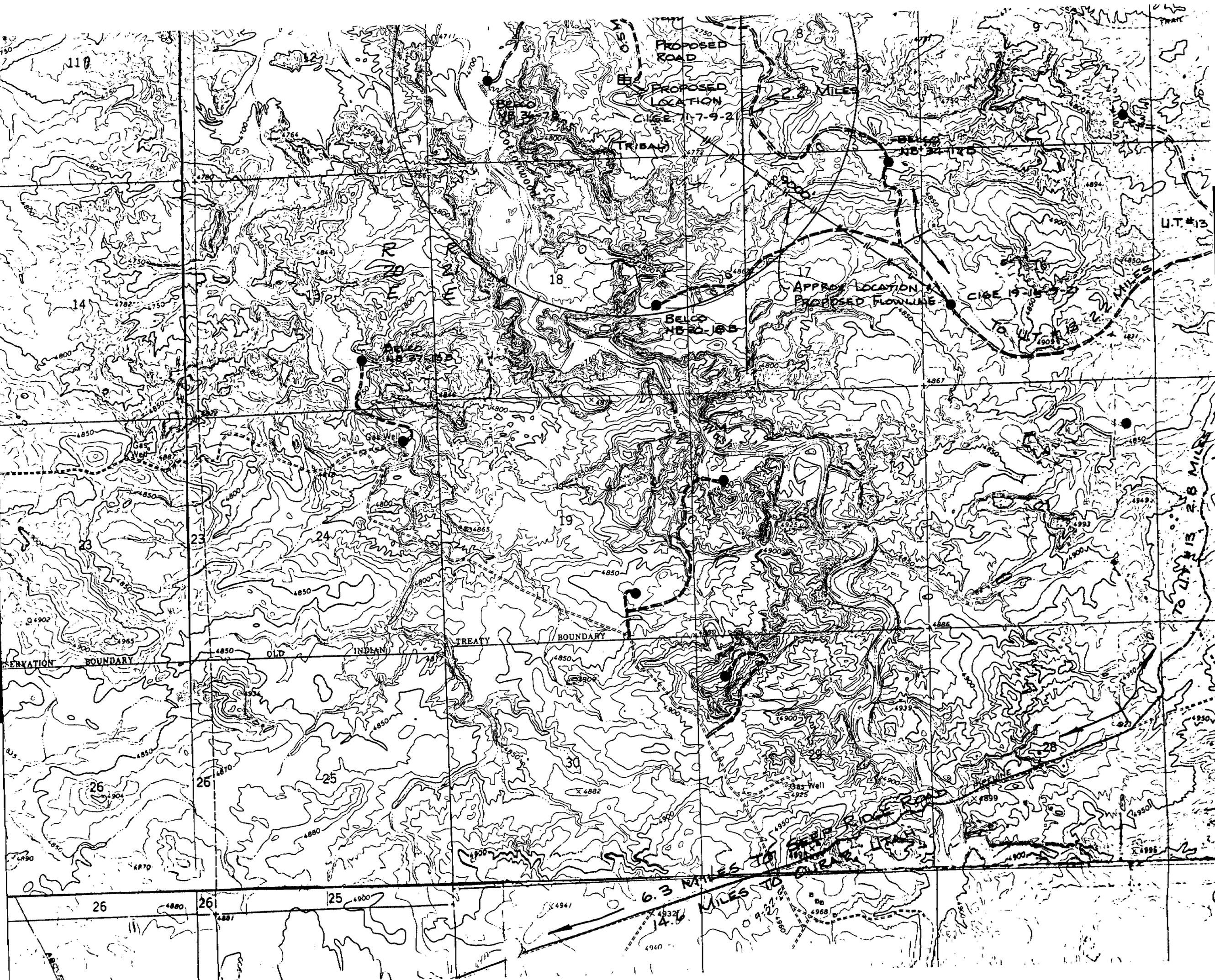
NOTICE OF APPROVAL

CONDITIONS OF APPROVAL ATTACHED TO OPERATOR'S COPY

\*See Instructions On Reverse Side

FLARING OR VENTING OF GAS IS SUBJECT TO NTL 4-A DATED 1/1/80

*Utah D. S.*



110

14

23

26

26

23

25

26

24

25

25

18

19

30

17

10

28

PROPOSED ROAD

PROPOSED LOCATION

TRIBAL

APPROX LOCATION & PROPOSED FLOWLINE

INDIAN TREATY BOUNDARY

OLD INDIAN

6.3 MILES TO

MILES TO

2.3 MILES

2.3 MILES

U.T. #13

BELCO  
NE 34-7-2

CISE 11-7-9-2

BELCO  
NE 24-12-6

BELCO  
NE 20-10-5

CISE 19-16-5-5

BOUNDARY

BOUNDARY

Gas Well

Gas Well

4941

4932

4968

4940

4968

4994

4994

4950

4998

4950

4998

4950

4998

4950

4998

C.I.G. EXPLORATION, INC.

C.I.G.E # 71-7-9-21

TOPO. MAP "B" 36



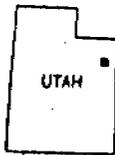
SCALE 1" = 2000'

ROAD CLASSIFICATION

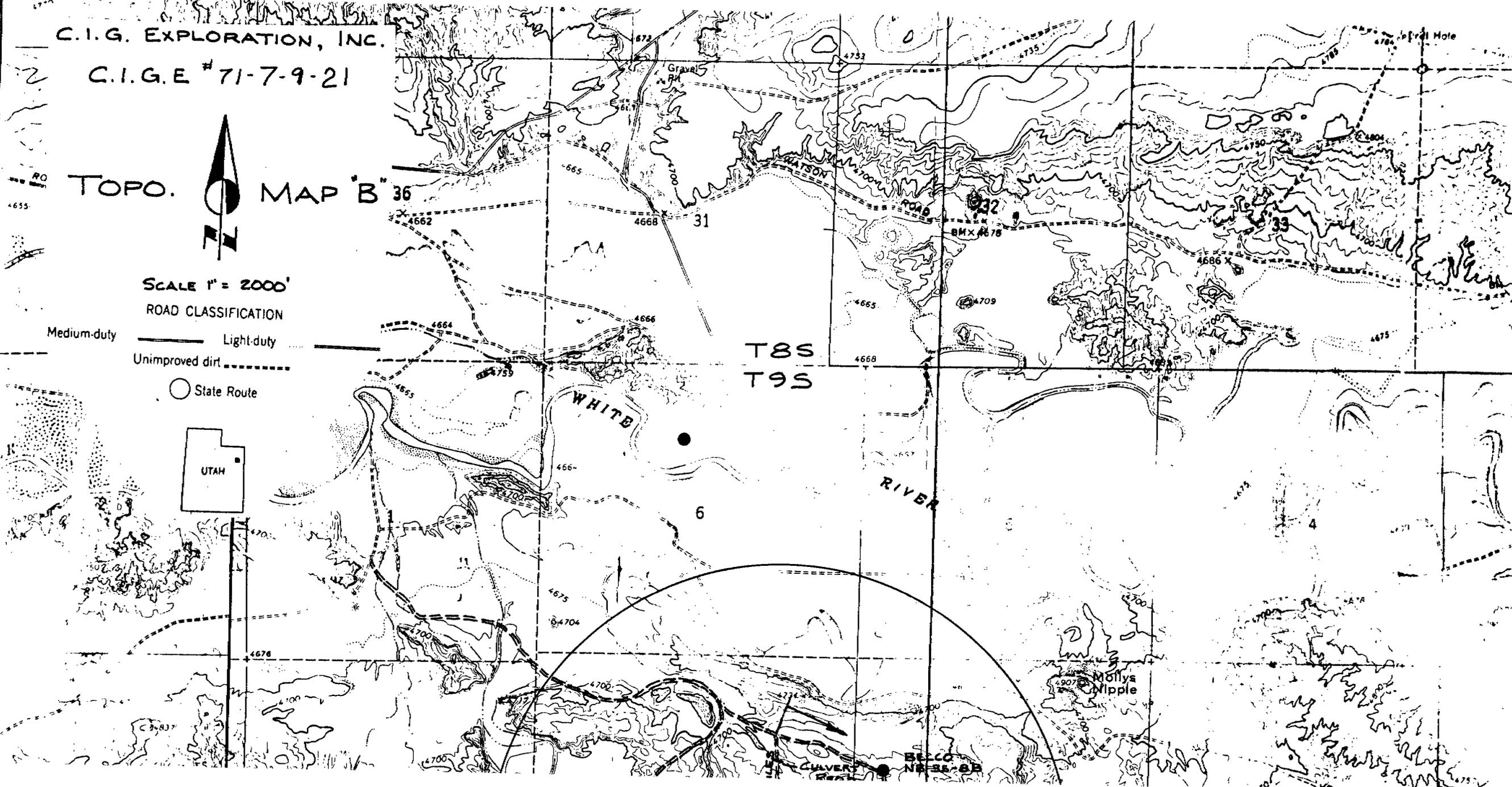
Medium-duty ——— Light-duty - - - - -

Unimproved dirt - - - - -

○ State Route



UTAH



T8S  
T9S

WHITE

RIVER

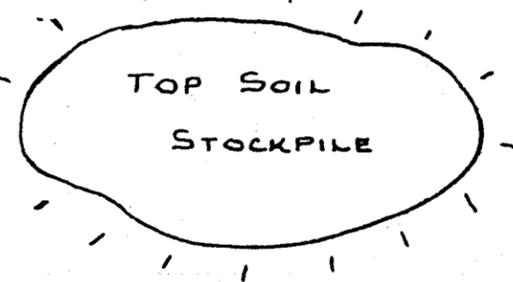
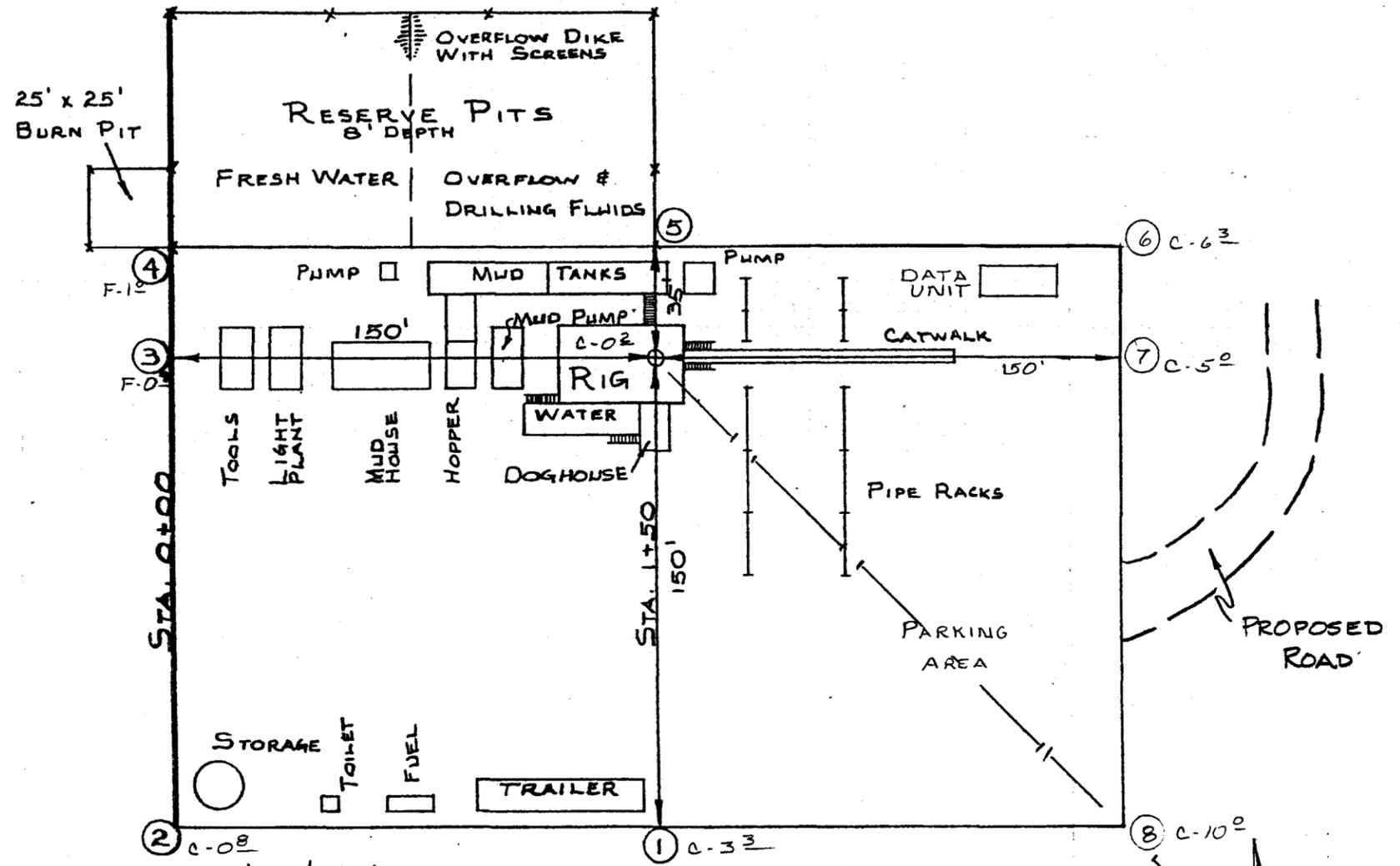
6

Mollys Nipple

BELO NE 38-88

C.I.G. EXPLORATION INC.

LOCATION LAYOUT & CUT SHEET



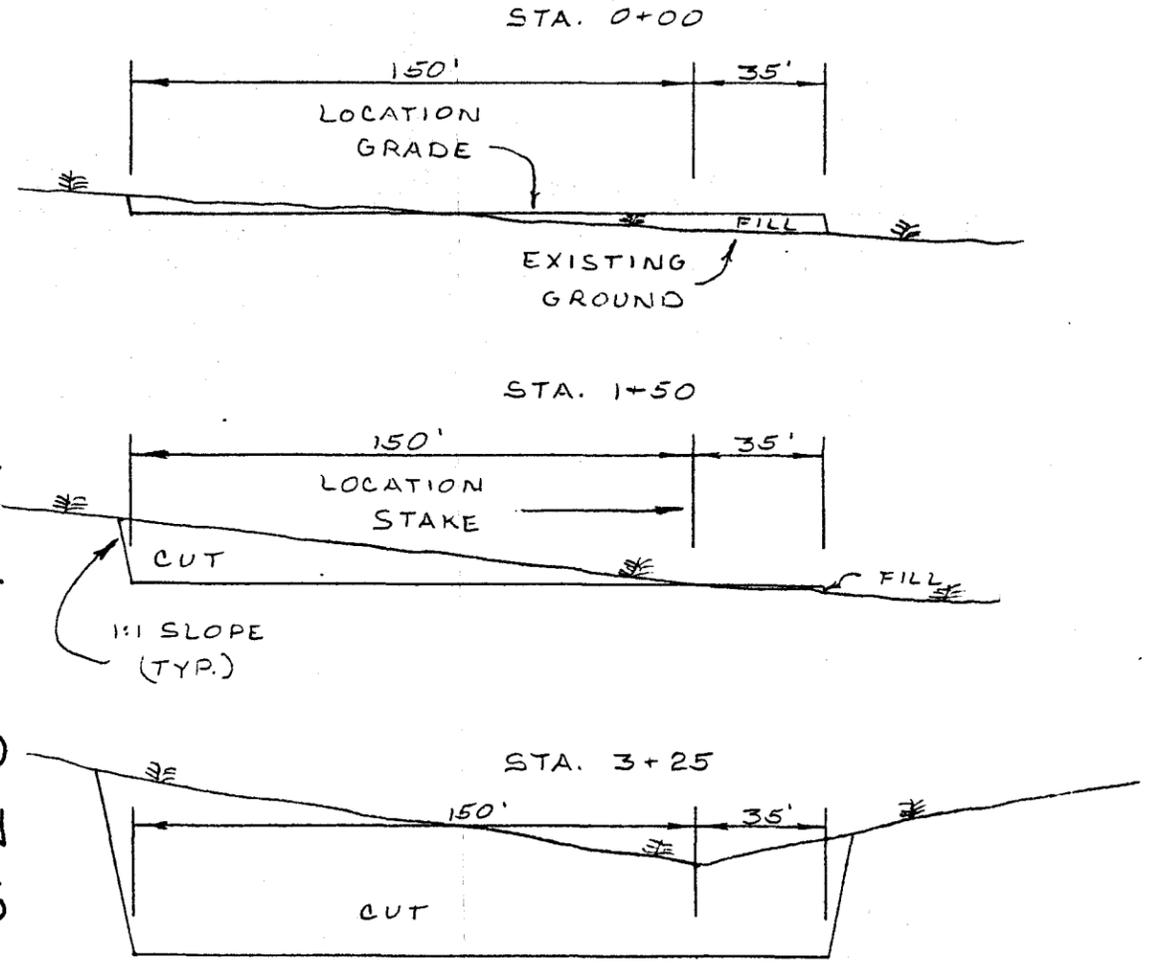
SOILS LITHOLOGY  
- NO SCALE -



LIGHT BROWN SANDY CLAY



CROSS SECTIONS



1" = 10'

SCALES  
1" = 50'

APPROX. YARDAGES

CUT - 6,228 CU. YDS.  
FILL - 209 CU. YDS.

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 At proposed prod. zone  
**SAME AS ABOVE**

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 3100'

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 7400' *W/patch*

20. ROTARY OR CABLE TOOLS  
 ROTARY

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 4720' UNGRADED GROUND

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 2-15-80

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24. SIGNED *F. R. Midkiff* TITLE DISTRICT SUPERINTENDENT DATE 10/1/79  
 F. R. MIDKIFF

(This space for Federal or State office use)

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

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

CONDITIONS OF APPROVAL, IF ANY:

5. LEASE DESIGNATION AND SERIAL NO.  
 U-0575

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

7. UNIT AGREEMENT NAME  
 NATURAL BUTTES UNIT

8. FARM OR LEASE NAME  
 NATURAL BUTTES

9. WELL NO.  
 CIGE 71-7-9-21

10. FIELD AND FOOT-LOCKS  
*Natural Buttes*

11. SEC., T., R., M., OR BLM. AND SURVEY OR AREA.  
 Sec 7-T9S-R21E

12. COUNTY OR PARISH  
 UINTAH

13. STATE  
 UTAH

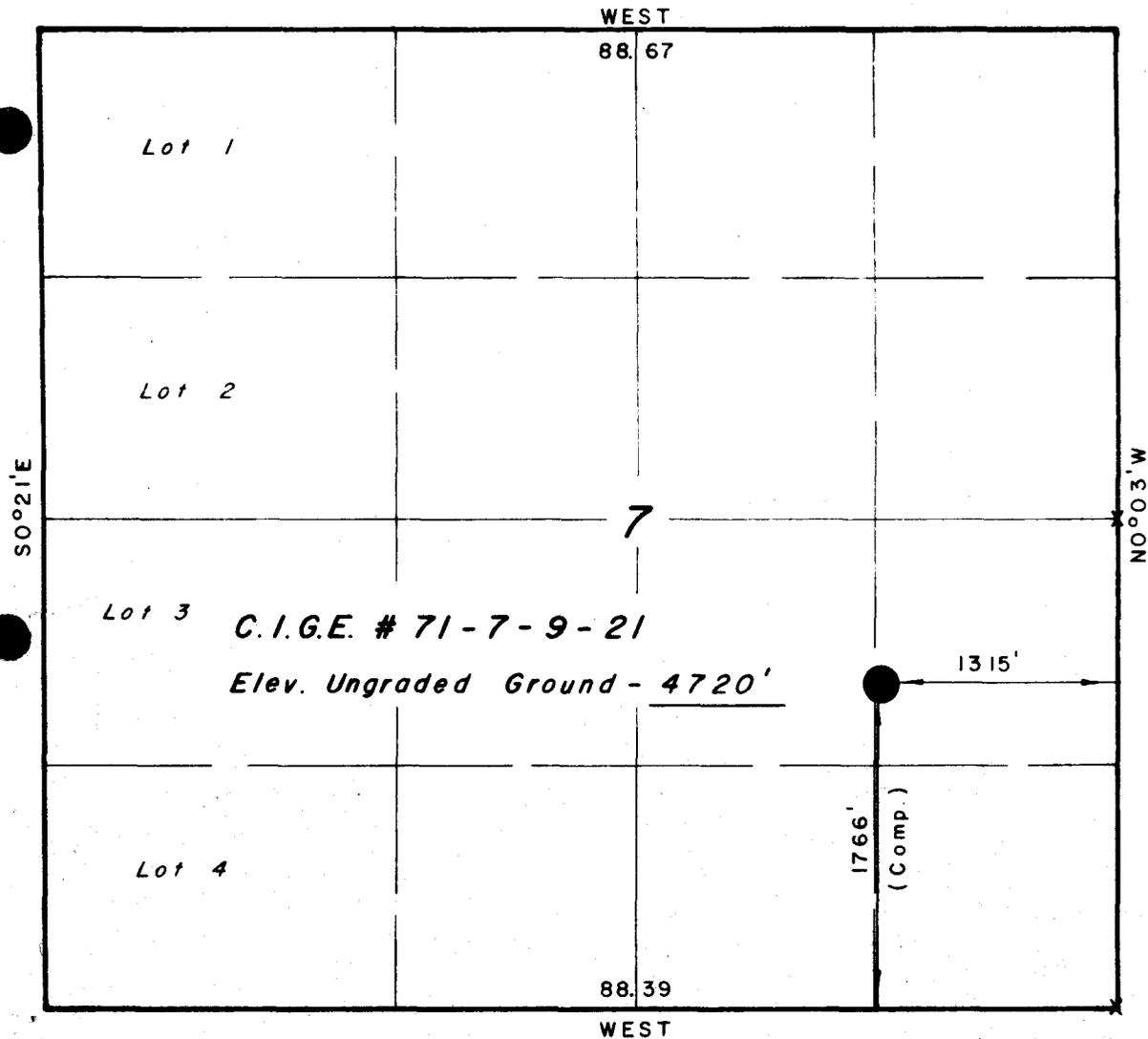


T 9 S, R 21 E, S. L. B. & M.

PROJECT

C.I.G. EXPLORATION INC.

Well location, C.I.G.E. # 71-7-9-21,  
located as shown in the NE 1/4 SE 1/4  
Section 7, T 9 S, R 21 E, S.L.B. & M.  
Uintah County, Utah.



CERTIFICATE

I HEREBY CERTIFY THAT THE ABOVE PLAT WAS PREPARED IN ACCORDANCE WITH THE ACTS OF CONGRESS AND THE SUPREMACY OF THE UNITED STATES AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

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

UTAH ENGINEERING & LAND SURVEYING P.O. BOX 9 - 110 EAST - FIRST SOUTH VERNAL, UTAH - 84078	
SCALE 1" = 1000'	DATE 6 / 15 / 79
PARTY D.A. B.W. S.B.	REFERENCE GLO Plat
WEATHER Clear & Hot	FILE C.I.G.E.

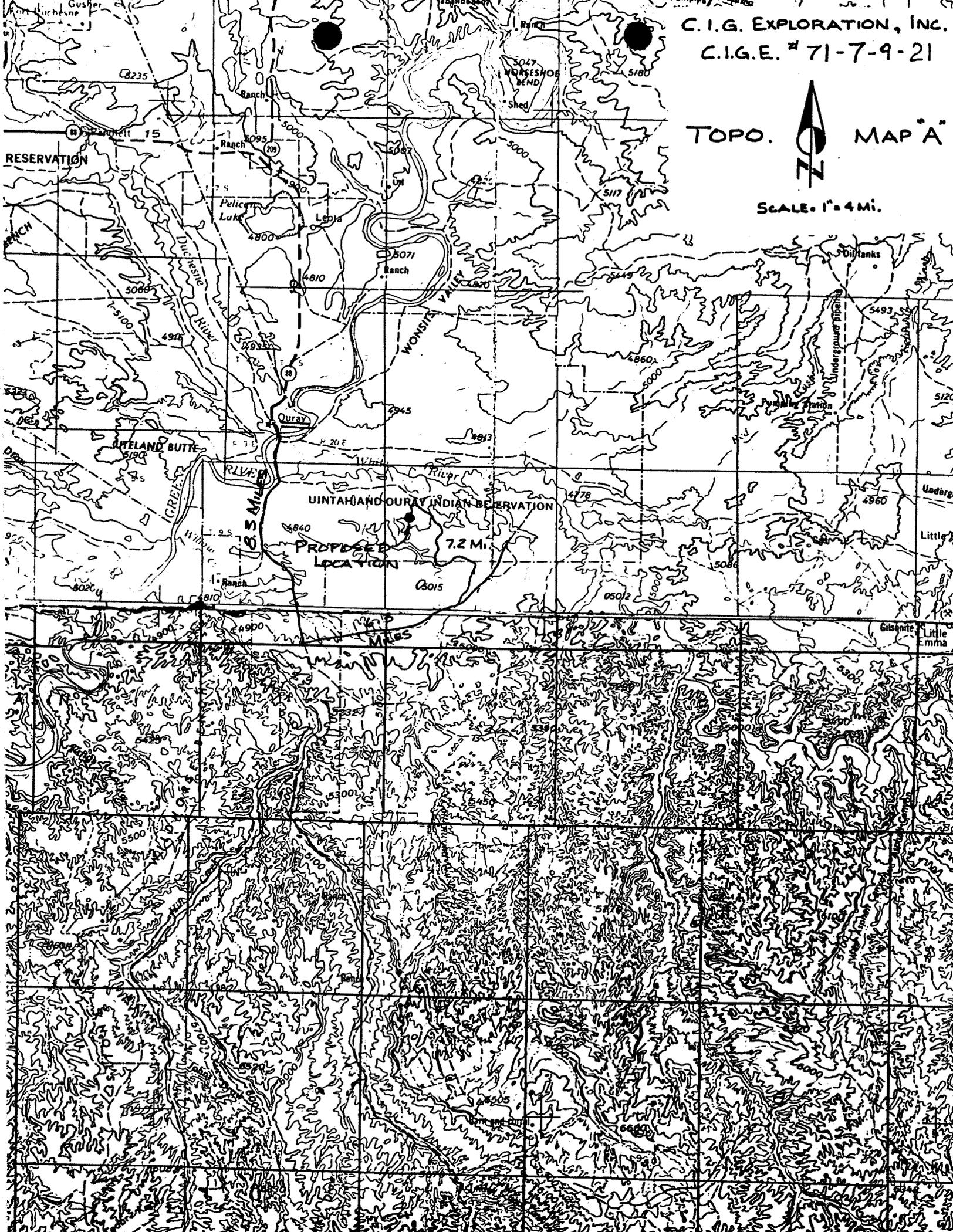
X = Section Corners Located

C. I. G. EXPLORATION, INC.  
C. I. G. E. # 71-7-9-21

TOPO. MAP "A"



SCALE: 1" = 4 Mi.



United States Department of the Interior  
Geological Survey  
2000 Administration Building  
1745 West 1700 South  
Salt Lake City, Utah 84104

Usual Environmental Analysis

Lease No. U-0575 B

Operator: CIG Exploration

Well No.: 71-7-9-21

Location: 1766' FSL & 1315 FEL Sec.: 7 T.: 9S. R.: 21E.

County: Uintah

State: Utah

Field: Bittercreek

Status: Surface Ownership: Ute Tribal Minerals: Federal

Joint Field Inspection Date: November 20, 1979

Participants and Organizations:

Craig Hansen  
Lynn Hall  
Dempsey Day  
Ed Norris  
Floyd Murray

USGS-Vernal, Utah  
BIA-Ft. Duchesne, Utah  
CIG Exploration  
Gas Producers  
DeCasada

Analysis Prepared by: Craig Hansen  
Environmental Scientist  
Vernal, Utah

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

Date: December 3, 1979

tm

*Access etc changed  
Pad 185 x 350  
Pit 75 x 150  
7/16 mi x 18' new access  
300' flow line incl  
Stockpile topsoil  
3 3/4 ac  
Mitigation  
A. & B.*

Noted - G. Diwachak

Proposed Action:

On October 3, 1979, CIG Exploration filed an Application for Permit to Drill the No. 71-7-9-21 development well, a 7400 ft. gas test of the Wasatch Formation; located at an elevation of 4720 ft. in the NE $\frac{1}{4}$  SE $\frac{1}{4}$  Sec. 7, T. 9S., R. 21E. on Federal mineral lands and Tribal surface; Lease No. U-0575 B. As an objection was raised to the access road, it was changed to enter from existing pipeline right-of-way, 2 miles from the Northwest. See attached map for new 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 Preventor 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 Plan are on file in the USGS District Office in Salt Lake City, Utah and the USGS Northern Rocky Mountain Area Office in Casper, Wyoming. The 13-Point Surface Protection Plan is on file in the District Office in Salt Lake City.

A working agreement has been reached with the BIA-Ft. Duchesne 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 185 ft. wide x 350 ft. long and a reserve pit 75 ft x 150 ft. A new access road would be constructed 18 ft. wide x .7 miles long from a maintained road. The operator proposes to construct production facilities on disturbed area of the proposed drill pad.

If production is established, 300' of 2 3/8 OD .125 grade B pipe will be layed in a Northwesterly direction and connected with flowline F 135-4" all in Sec. 7, T. 9S., R. 21E. The anticipated starting date is February 15, 1980 and duration of drilling activities would be about 21 days.

Location and Natural Setting:

The proposed drill site is approximately 15 miles Southeast of Ouray, Utah. the nearest town. A poor road runs to within .7 miles of the location. This well is in the Bitter Creek field.

Topography:

The location is in the bottom of a flat valley surrounded by steep weathered sandstone and shale, buttes and hills with small dendritic drainage East of the location.

Geology:

The surface geology is the Uintah Formation.

The soil is a sandy-clay to clay with well mixed gravels.

No geologic hazards are known near the drillsite.

Seismic risk for the area is moderate. 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 hydro-carbon 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 could exist. Loss of circulation may result in the lowering of the mud levels, which might permit exposed upper formations to blow out 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 in to 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 Land Management.

Approximately 3.3 acres of land would be stripped of vegetation. This would increase the erosional potential. Proper construction practice, construction of water bars, 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 rain fall should range from about 8 to 11" at the proposed location. The majority of the numerous drainages in the surrounding area are of a non-perennial nature flowing only during early spring runoff and during extremely heavy rain storms. This type of storm is rather uncommon as the normal annual precipitation is around 8".

Winds are medium and gusty, occurring predominately from West to East. Air mass inversions are rare. The climate is semi-arid with abundant sunshine, hot summers and cold winters with temperature variations on a daily and seasonal basis.

#### Surface Water Hydrology:

The location drains North by non-perennial drainage to the White River which is a major tributary to the Green 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 comingling of formations via the well bore would be possible. The drilling program is designed to prevent this. There is need for more data on hydrologic systems in the area and the drilling of this well may provide some basic information as all shows of fresh water would be reported. Water production with the gas

would require disposal of produced water per the requirements of NTL-2B. The depths of fresh water formations are listed in the 10-Point Subsurface Protection Plan. 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:

Rabbit brush, halogen, shad scale, and greasewood exist on location.

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

Proposed action would remove about 3.3 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:

The fauna of the area consists predominantly of mule deer, coyotes, rabbits, foxes, and varieties of small ground squirrels and other types of rodents and various types of reptiles. The area is used by man for the primary purpose of grazing domestic livestock and sheep. The birds of the area are raptors, finches, ground sparrows, magpies, crows, and jays.

An animal and plant inventory has been made by the BIA. No endangered plants or animals are known to inhabit the project area.

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 a 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 or other facilities of this nature in the general area. Minor distractions from aesthetics would occur over the lifetime of the project and is judged to be minor. All permanent facilities placed on the location would be painted a color to blend in with the natural environment. Present use of the area is grazing, recreation, and oil and gas activities.

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

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

The economic effect on 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 possible national economics might be improved. In this instance, other development wells would be anticipated, with substantially greater environmental and economic impacts.

Should the wellsite be abandoned, surface rehabilitation would be done according to the surface agency's requirements and to USGS'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 reserves pits would contain all fluids used during the drilling operations. A trash cage would be utilized for any solid wastes generated at the site and would be removed at the completion of the operations. Sewage would be handled according to State sanitary codes. For further information, see the 13-Point Surface Plan.

#### Alternative 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 USGS 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 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.

Mitigative Measures and Stipulations:

Drilling should be allowed provided the following mitigative measures are incorporated into the proposed APD and adhered to by the operator.

- A. A berm should be built around the entire location to reduce erosion of the drill pad.
- B. Access road should be changed to enter from an existing pipeline right-of-way to reduce visual and surface impacts. See attached map.

Adverse Environmental Effects Which Cannot Be Avoided:

Surface disturbance and removal of vegetation from approximately 3.3 acres of land surface for 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, gas leaks, and spills of oil and water would exist. During the construction and drilling phases of the project, noise levels would increase. Potential for sub-surface 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 White River would exist through leaks and spills.

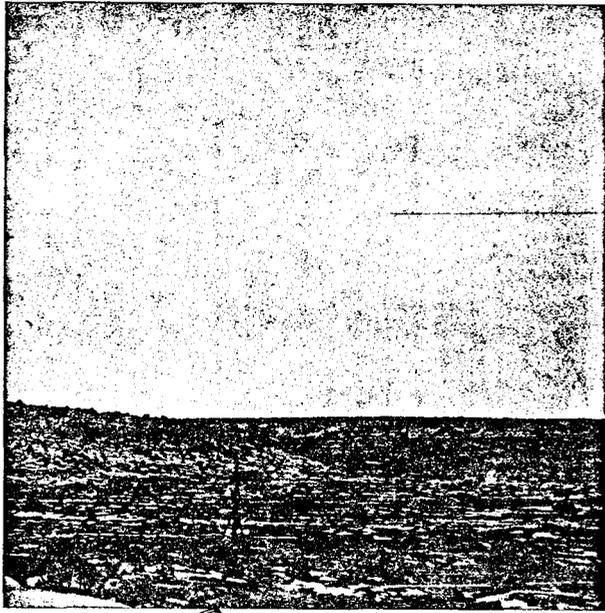
Determination:

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

Date

12/26/79

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



CIGE  
71-7-9-21  
Looking west



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. 40575 B

OPERATOR: C G Exploration WELL NO. CEGE 71-7-9-21

LOCATION: SE 1/4 NW 1/4 SE 1/4 sec. 7, T. 9S, R. 21E, S6W  
Uintah County, Utah

1. Stratigraphy: Uintah - surface  
Green River - 1500  
Wasatch - 5250  
TD 7400

2. Fresh Water: possible in Uintah or Green River to 3000'

3. Leasable Minerals: oil shale in Green River

4. Additional Logs Needed: Run all operator specified logs from TD to top of Green River for oil shale

5. Potential Geologic Hazards: slight overpressuring in Wasatch

6. References and Remarks:

Signature: [Handwritten Signature]

Date: 11 - 10 - 99

C.I.G. EXPLORATION INCORPORATED

13 Point Surface Use Plan

For

Well Location

C.I.G.E. #71-7-9-21

Located In

Section 7, T9S, R21E, S.L.B. & M.

Uintah County, Utah

C.I.G. EXPLORATION INCORPORATED  
C.I.G.E. #71-7-9-21  
Section 7, T9S, R21E, S.L.B. & M.

1. EXISTING ROADS

See attached Topographic Map "A".

To reach C.I.G. Exploration Incorporated, well location site C.I.G.E. #71-7-9-21 located in the NE $\frac{1}{4}$  SE $\frac{1}{4}$  Section 7, T9S, R21E, S.L.B. & M., Uintah County, Utah; proceed Westerly out of Vernal, Utah, along U.S. Highway 40, 14 miles to the junction of this road and Utah State Highway 209; proceed South along Utah State Highway 209, 7 miles, more or less, to the junction of this Highway and Utah State Highway 88; proceed South along Utah State Highway 88, 10 miles to Ouray, Utah; proceed along South on a county road, known as the Seep Ridge Road,  $\pm$  8.3 miles to the junction of this road and an oil field service road to the Northeast; proceed Northeasterly along this road 6.3 miles to the junction of this road and a road to the North and West; proceed North and then West along this road 5 miles to the junction of this road and a road to the Northwest; proceed Northwesterly along this road 2.2 miles to the point that the proposed access road (to be discussed in Item #2) leaves the existing road and proceeds in a Westerly direction to the proposed location site.

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

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

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

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

2. PLANNED ACCESS ROAD

See Topographic Map "B".

The proposed access road leaves the existing road described in Item #1 in the NE $\frac{1}{4}$  NE $\frac{1}{4}$  Section 7, T9S, R21E, S.L.B. & M., and proceeds in a Southerly direction 0.5 miles to the proposed location site.

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

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

C.I.G EXPLORATION INCORPORATED  
C.I.G.E. #71-7-9-21  
Section 7, T9S, R21E, S.L.B. & M.

2. PLANNED ACCESS ROAD - continued

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.

There will be one culvert required along this access road. (See Topographic Map "B" for location of this culvert). This culvert will be placed under the direction of the Ute Tribe and will meet their specifications.

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

If deemed necessary by the local governmental agencies or 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 road will be cut and replaced with a cattleguard with a minimum width of 18' and a loading factor large enough to facilitate the heavy trucks required in the drilling and production of this well.

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

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

The terrain that this access road traverses is relatively flat.

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. EXISTING WELLS

See attached Topographic Map "B".

There are three existing gas wells within a one mile radius of this location site all belong to Belco Petroleum Corp., (see Topographic Map "B" for the location of each in relation to the proposed location site).

3. EXISTING WELLS - continued

There are no water wells, abandoned wells, temporarily abandoned wells, disposal wells, drilling wells, shut in wells, injection wells, monitoring or observation wells for other resources located within a one mile radius of this location site.

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

At the present time there are no other C.I.G. Exploration Incorporated production facilities, and gas gathering lines.

There are no tank batteries, oil gathering lines, injection lines or disposal lines within a one mile radius.

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

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

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

The proposed gas flow line will be an 18' right-of-way which will run in a Southeasterly direction approximately 9000' to an existing above ground pipe line located in the NW $\frac{1}{4}$  SW $\frac{1}{4}$  Section 16, T9S, R21E, S.L.B. & M. (See Topographic Map "B").

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

Rehabilitation of disturbed areas no longer needed for operations after construction is completed will meet the requirements of Item # 10.

5. LOCATION AND TYPE OF WATER SUPPLY

See Topographic Map "A".

Water to be used for the drilling and production of this well will be hauled from the White River at an existing loading ramp in Section 4, T9S, R20E, S.L.B. & M. approximately 20.5 miles Northwest of the location site. This water will be hauled by truck over existing roads and the proposed access road.

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

There will be no water well drilled at this location site.

C.I.G. EXPLORATION INCORPORATED  
C.I.G.E. #71-7-9-21  
Section 7, T9S, R21E, S.L.B. & M.

6. SOURCE OF CONSTRUCTION MATERIALS

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

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

7. METHODS FOR HANDLING WASTE DISPOSAL

A reserve and burn pit shall be constructed, and at least half of the depth of the reserve pit shall be below the existing ground surface. All trash and flammable materials will be burned in the burn pit. Non-flammable material such as cuttings, salts, chemicals etc., will be buried in the reserve pit and covered with a minimum of four feet of earth material. Prior to the onset of drilling, the burn pit will be fenced on 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.

A portable chemical toilet will be supplied for human waste.

All produced oil from this well will be contained in the storage tank and will be sold. Water if any which is produced will be run into a reserve pit as required in the NTL-2B Regulations.

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 Ute Tribal Manager shall be notified before any construction begins on the proposed location site and road.

As mentioned in Item #7, the pits will be unlined unless it is determined by the representatives of the agencies involved that the materials are too porous and would cause contamination to the surrounding area; then the pits will be lined with a gel and any other type of material necessary to make it safe and tight.

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

10. PLANS FOR RESTORATION OF SURFACE

As there is some topsoil on the location site, all topsoil shall be stripped and stockpiled. (See location layout sheet). When all drilling and production activities have been completed, the location site and access road will be reshaped to the original contour and stockpiled topsoil spread over the disturbed area. Fences around pits are to be removed upon completion of drilling activities and all waste being contained in the trash pit shall be buried with a minimum of 4' of cover. The reserve pit will be completely fenced and allowed to dry before covering. When restoration activities have been completed, the location site and access ramp shall be reseeded with a seed mixture recommended by the B.L.M. District Manager when the moisture content of the soil is adequate for germination. The Lessee further covenants and agrees that all of said cleanup and restoration activities shall be done and performed in a diligent and most workmanlike manner and in strict conformity with the above mentioned Items #7 and #10.

11. OTHER INFORMATION

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

The area slopes from the rim of the Book Cliff Mountains to the South to the 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 in nature with the only two in the area having a year round flow being Willow Creek to the West and the 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 and extremely rare heavy thunderstorms, or rain storms of high intensity that last 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 (gravel surfaces) and visible geologic structure consists of light brownish-gray clays (OL) to sandy soils (SM-SL) with poor gravels and shales with outcrops of rock (sandstone, mudstone, conglomerates, and shales).

Due to the low precipitation average, climatic conditions and the marginal types of soils, the vegetation that is found in the area are 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 and along the areas that are formed along the edges of perennial streams, cottonwood, willows, tamarack, sagebrush, rabbitbrush, grasses and cacti can be found.

C.I.G. EXPLORATION INCORPORATED  
C.I.G.E. #71-7-9-21  
Section 7, T9S, R21E, S.L.B. & M.

11. OTHER INFORMATION - continued

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

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

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

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

C.I.G.E. #71-7-9-21 location site sits on relatively flat area.

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

The ground slopes from the South through the location to the North at approximately a 2% grade into a small non-perennial drainage which drains to the Northwest to the White River.

The location is covered with some sagebrush and grasses.

The total surface ownership effected by this location is owned by the Ute Tribe.

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

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

12. LESSEE'S OR OPERATOR'S REPRESENTATIVE

Frank R. Midkiff  
C.I.G. Exploration Incorporated  
P.O. Box 749  
Denver, Colorado 80201

Teloephone: 303-572-1121

C.I.G. EXPLORATION INCORPORATED  
C.I.G.E. #71-7-9-21  
Section 7, T9S, R21E, S.L.B. & M.

13. CERTIFICATION

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

Date

10/1/79

  
Frank R. Midkiff  
District Manager

10-POINT PROGRAM

1. Geologic name of surface formation:

UINTA

2. The estimated tops of important geologic markers:

GREEN RIVER - 1800'  
WASATCH - 5250'

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

WASATCH - 5250' - Gas

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

9-5/8" 36# K-55 ST&C - NEW  
4-1/2" 11.6# N-80 LT&C - NEW

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

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

Top: Grant rotating head

Manifold includes appropriate valves, positive and adjustable chokes and kill line to control abnormal pressures.  
BOP's will be tested at installation and will be cycled on each trip.

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

6. Continued --

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

7. The auxiliary equipment to be used:

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

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

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

LOGS: Dual Induction Laterolog  
Compensated Neutron-Formation Density

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

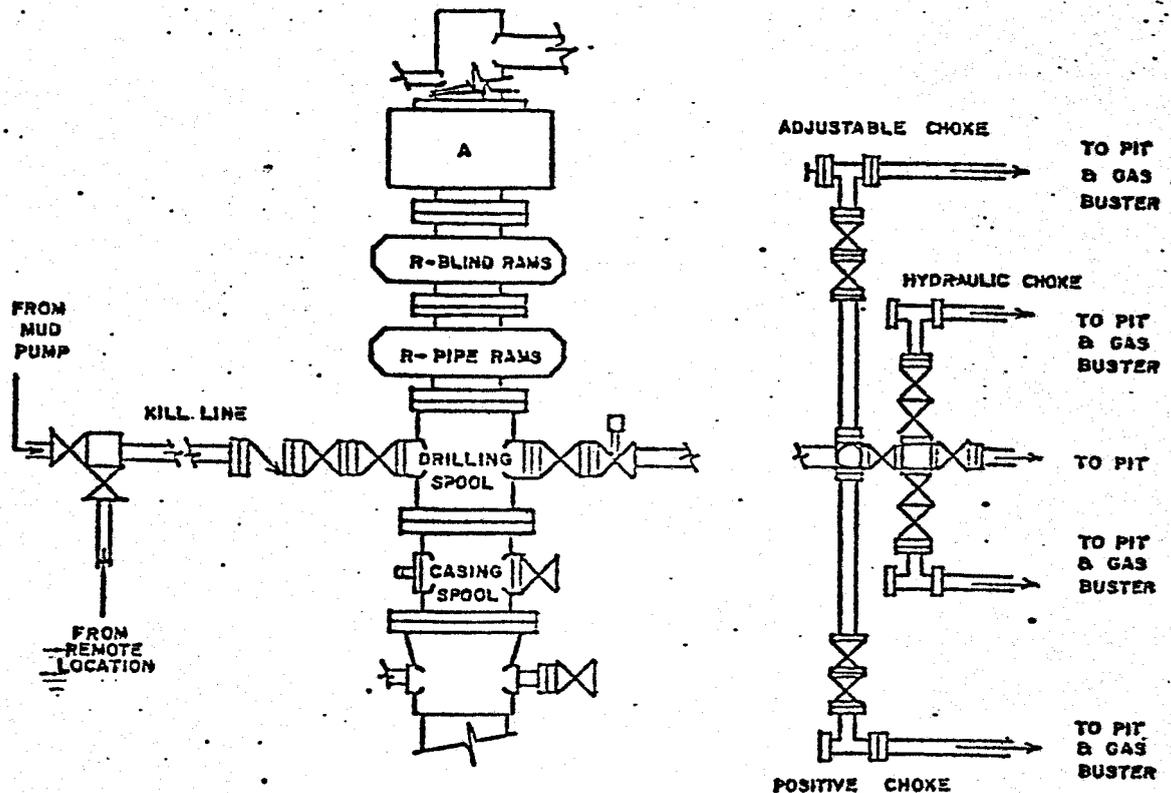
No abnormal pressures or temperatures expected  
No hydrogen sulfide expected

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

February 15, 1980; three weeks duration

3000 psi

psi Working Pressure BOP's



### Test Procedure

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

\*\* FILE NOTATIONS \*\*

DATE: October 4, 1979

Operator: CIG Exploration, Inc.

Well No: CIGE 71-7-9-21

Location: Sec. 7 T. 9S R. 21E County: Uintah

File Prepared:

Entered on N.I.D.:

Card Indexed:

Completion Sheet:

API Number 43-047-30637

CHECKED BY:

Geological Engineer: \_\_\_\_\_

\_\_\_\_\_

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

\_\_\_\_\_

Director:  ORIGINAL SIGNED BY C. B. FEIGHT

APPROVAL LETTER:

Bond Required:

Survey Plat Required:

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

O.K. Rule C-3

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

Lease Designation Red Unit

Plotted on Map

Approval Letter Written

*Unit Approval*

*hl*

*Wm*

October 4, 1979

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

Re: Well No. CIGE 69-19-10-21, Sec. 19, T. 10S, R. 21E., Uintah County, Utah  
Well No. CIGE 70-20-9-21, Sec. 20, T. 9S, R. 21E., Uintah County, Utah  
Well No. CIGE 71-7-9-21, Sec. 7, T. 9S, R. 21E., Uintah County, Utah

Insofar as this office is concerned, approval to drill the above referred to wells are hereby granted in accordance with Section 40-6-11, Utah Code Annotated 1953; and predicated on Rule A-3, General Rules and Regulations and Rules of Practice and Procedure.

Should you determine that it will be necessary to plug and abandon these wells, you are hereby requested to immediately notify office of the following:

MICHAEL T. MINDER  
Geological Engineer  
Office: 533-5771  
Home: 876-3001

FRANK H. HAMNER  
Chief Petroleum Engineer  
Office: 533-5771  
Home: 531-7827

Enclosed please find Form OGC-8-X, which is to be completed whether or not water sands (aquifers) are encountered during drilling. Your cooperation in completing this form will be appreciated.

Further, it is requested that this Division be notified within 24 hours after drilling operations commence, and that the drilling contractor and rig number be identified.

The API numbers assigned to these wells are #69-19-10-21 is 43-047-30635; #70-20-9-21 is 43-047-30636; #71-7-9-21 is 43-047-30637.

Sincerely,

DIVISION OF OIL, GAS AND MINING

Michael T. Minder  
Geological Engineer

/b.t.m

cc: USGS  
Donald Prince

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

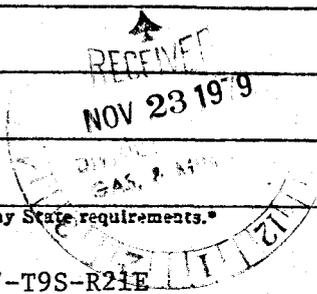
SUBMIT IN TRIPLICATE  
(Other instructions on reverse side)

Form approved.  
Budget Bureau No. 42-11424.

SUNDRY NOTICES AND REPORTS ON WELLS

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

1. OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER		5. LEASE DESIGNATION AND SERIAL NO. U-0575	
2. NAME OF OPERATOR CIG Exploration <del>GAS PRODUCING ENTERPRISES, INC.</del>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME UTE TRIBE SURFACE	
3. ADDRESS OF OPERATOR P. O. BOX 749, DENVER, CO 80202		7. UNIT AGREEMENT NAME NATURAL BUTTES UNIT	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface 1766' FSL & 1315' FEL, Section 7-T9S-R21E		8. FARM OR LEASE NAME NATURAL BUTTES	
14. PERMIT NO. 43-047-30637		9. WELL NO. CIGE 71-7-9-21	
15. ELEVATIONS (Show whether DF, RT, GR, etc.) 4720' UNGRADED GROUND		10. FIELD AND POOL, OR WILDCAT BITTER CREEK FIELD	
		11. SEC., T., R., M., OR BLE. AND SURVEY OR AREA Sec 7-T9S-R21E	
		12. COUNTY OR PARISH UINTAH	13. STATE UTAH



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

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

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

SUPPLEMENT TO APPLICATION FOR PERMIT TO DRILL

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

FOR ON-SITE CONTACT:

EDWARD N. NORRIS AT (801) 789-2773

OR

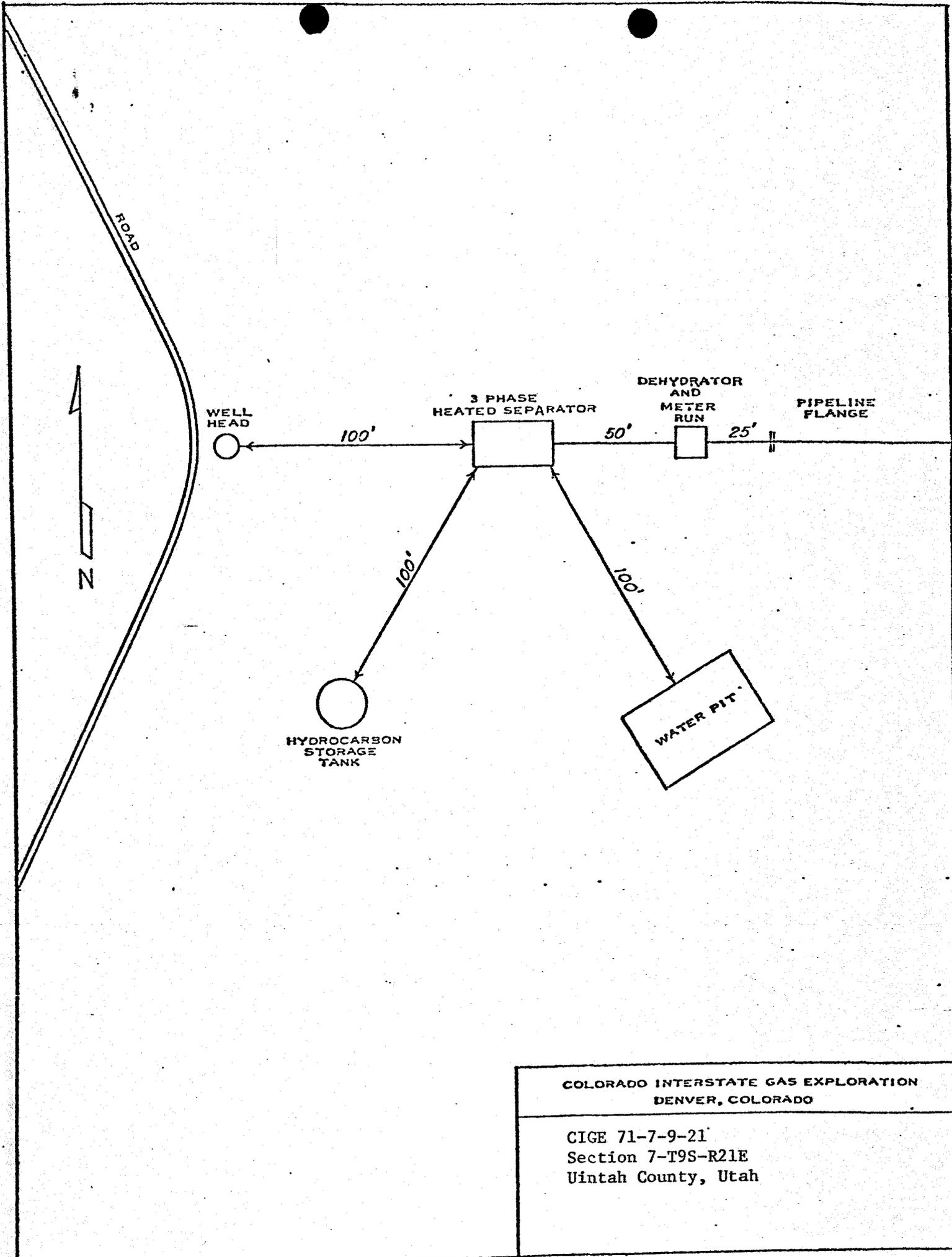
IRA K. McCLANAHAN AT (303) 473-2300

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

SIGNED F. W. HEISER TITLE DRILLING SUPERINTENDENT DATE November 19, 1979

(This space for Federal or State office use)

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



COLORADO INTERSTATE GAS EXPLORATION  
DENVER, COLORADO

CIGE 71-7-9-21  
Section 7-T9S-R21E  
Uintah County, 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

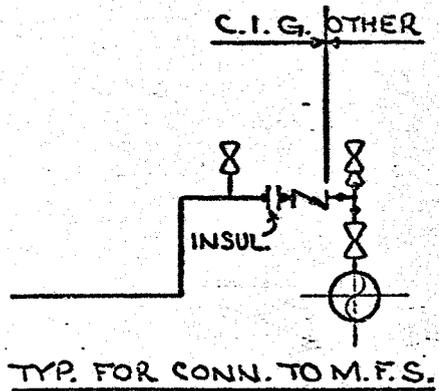
20'±

O.  
B.  
Y.  
S.

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	APP.

Colorado Interstate Gas Co.  
COLORADO SPRINGS, COLORADO

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

SCALE: NONE DRAWN: RWP APP: MM

115FP-1 1/8

ESTIMATE SKETCH

DATE: 8-15-79  
STARTING DATE: \_\_\_\_\_  
EST. COMP. DATE: \_\_\_\_\_  
 COMPANY  CONTRACT

COLORADO INTERSTATE GAS COMPANY  
 NORTHWEST PIPELINE CORPORATION

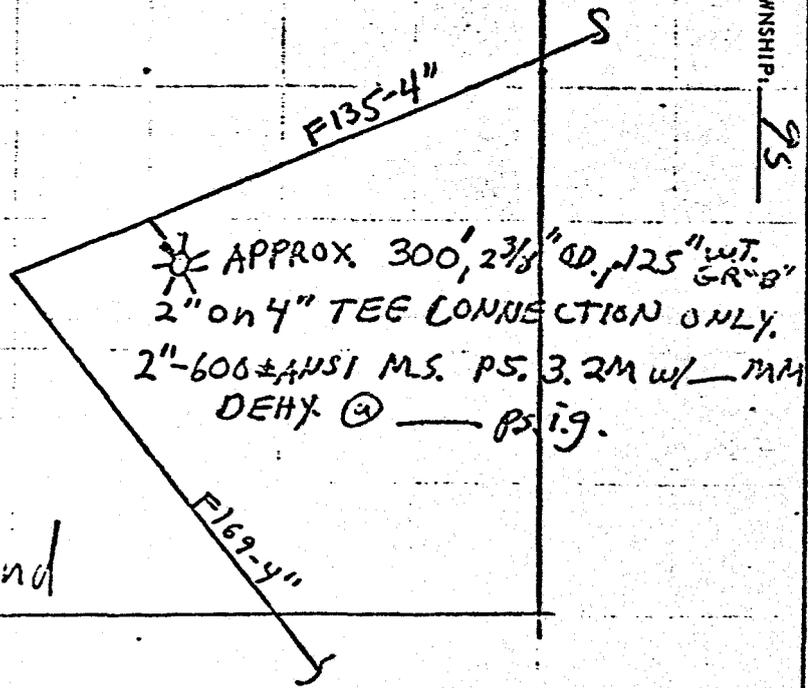
W. O. NO.: \_\_\_\_\_  
REVISION NO.: \_\_\_\_\_  
BUDGET NO.: \_\_\_\_\_  
RELATED DWG.: 115 FU-1C

LOCATION: 1766' FSL, 1815' FEL, SEC. 7-9S-21E COUNTY: Uintah STATE: Utah  
DESCRIPTION OF WORK: CONNECT CIG-E #71-7-4-21 Natural Butten

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

RANGE: 21E

1 6  
12. 7



Indian Land

PREPARED BY: \_\_\_\_\_ SCALE (IF ANY): 1" = 1,000'

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 #71-7-9-21 in a northerly direction through the SE/4 of Section 7, connecting to line (F135-4") in the SE/4 of Section 7, all in 9S-21E. The line will be approximately 300' long as shown on the attached sketches.

Pipe will be 2-3/8" O.D. x .125" W.T., Grade "B". It will be butt-welded in place using portable electric welding machines, and will be laid above ground except where burial is necessary for road crossing, ditches, or other obstructions. Magnesium anodes will be installed at the dehydrator, meter setting, road crossings, underground piping at stream crossings, and at producer's separator for corrosion protection.

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.

DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

NAME OF COMPANY: CIG Exploration

WELL NAME: CIGE 71-7-9-21

SECTION 7 NE SE TOWNSHIP 9S RANGE 21E COUNTY Uintah

DRILLING CONTRACTOR J.A. Masek

RIG # 1

SPUDDED: DATE 6/21/80

TIME 9:00 a.m.

How dry hole spudder

DRILLING WILL COMMENCE 6/25/80

REPORTED BY Pat Bohner

TELEPHONE # 303-572-1121 ex 293

DATE June 25, 1980

SIGNED M.S. Munder

cc: USGS

NOTICE OF SPUD

WELL NAME: C16F 71-7-9-21

LOCATION: NE 1/4 SE 1/4 SECTION 7 T- 9S R- 21E

COUNTY: UTAH STATE: UTAH

LEASE NO.: U-0575 LEASE EXPIRATION DATE: 5/1/70

UNIT NAME (If Applicable): NATURAL BITES UNIT

DATE & TIME SPURRED: 9:00 AM 6/21/80

DRY HOLE SPUDDER: ALL-WESTERN AIR DRILLING

DETAILS OF SPUD (Hole, Casing, Cement, etc.): SPUD 12-1/4" hole & drill  
TO 198' RUN 5 JTS 9-5/8" 47# N-80 LT&C CSG &  
SET @ 198' CMT W/125 SX "H". PD 12:00 NOON  
6-22-80

ROTARY RIG NAME & NUMBER: MASEK RIG #1

APPROXIMATE DATE ROTARY MOVES IN: 6/25/80

FOLLOW WITH SUNDRY NOTICE

USGS CALLED: DATE: 6/25/80

PERSON CALLED: KIM

STATE CALLED: DATE: 6/25/80

PERSON CALLED: BONNIE

REPORTED BY: PAT BANNER

**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  
**CIG EXPLORATION, INC.**

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

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)  
**AT SURFACE: 1766' FSL & 1315' FEL  
AT TOP PROD. INTERVAL: SAME  
AT TOTAL DEPTH: SAME**

5. LEASE  
**U-0575**

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

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

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

9. WELL NO.  
**CIGE 71-7-9-21**

10. FIELD OR WILDCAT NAME  
**BITTER CREEK**

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
**SECTION 7-T9S-R21E**

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

14. API NO.  
**43-047-30637**

15. ELEVATIONS (SHOW DF, KDB, AND WD)  
**4720' UNGR. GR.**

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

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

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

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

Well spudded 9:00 a.m., June 21, 1980. Verbal report made to USGS (Kim) and State of Utah (Bonnie) on June 25, 1980. Please see attached report for additional details of spud.

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

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

SIGNED C. A. Hansen TITLE Drilling Engineer DATE June 25, 1980

(This space for Federal or State office use)

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

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

**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  
CIG EXPLORATION, INC.

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

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)  
AT SURFACE: 1766' FSL & 1315' FEL  
AT TOP PROD. INTERVAL: SAME  
AT TOTAL DEPTH: SAME

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

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

5. LEASE  
U-0575

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

7. UNIT AGREEMENT NAME  
NATURAL BUTTES UNIT

8. FARM OR LEASE NAME  
NATURAL BUTTES

9. WELL NO.  
CIGE 71-7-9-21

10. FIELD OR WILDCAT NAME  
BITTER CREEK

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
SECTION 7-T9S-R21E

12. COUNTY OR PARISH  
UINTAH

13. STATE  
UTAH

14. API NO.  
43-047-30637

15. ELEVATIONS (SHOW DF, KOB, AND WD)  
4720' UNGR. GR.

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

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

Please see attached for report of operations June 16 - July 15, 1980.

DIVISION OF OIL, GAS & MINING

JUL 21 1980

PAPER FILED

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

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

SIGNED C. A. Hansen TITLE Drilling Engineer DATE July 17, 1980

(This space for Federal or State office use)

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

CIGE #71-7-9-21

Bitter Creek Field (E)

Uintah County, Utah

AFE: 19711 WI: 100%

ATD: 7200' SD: 6-21-80

CIGE, Oper.

9-5/8" @ 198', 212' KB.

LOCATION: C SE/4, Sec 7-T9S-R21E.  
KB to GL 13'7-5-80 5358'; (347'-23½ hrs); Drlg.Drlg; serv rig; check BOPs; drlg. BGG 300 units, CG 1200 units. 5314-18' 3/5"/ft bef, 2.0 dur, 4.0 after; 325 units bef, 600 dur, 825 after. MW 9.6, vis 36, WL 12.1, PV 8, YP 7, Sand ¼, Solids 7%, pH 10.5, Alk 1.9, M<sub>f</sub> 2.0, CL 6500 ppm, CA 120 ppm, Gels 0" 3, 10" 8, Cake 2/32, MBT 3.0 lb/bbl, chrom 350. Cum Csts: \$110,458.7-6-80 5604'; (246'-22 hrs); Drlg.Drlg; serv rig & check BOPs; surv; drlg; rig rep (pmp); drlg; BGG 200 units, CG 800 units. No breaks. MW 9.7, vis 36, WL 11.2, PV 12, YP 9, Sand ¼, Solids 7%, pH 10.5, Alk 1.8, M<sub>f</sub> 1.9, CL 6000 ppm, CA 120 ppm, Gels 0" 3, 10" 6, Cake 2/32, MBT 3.0 lb/bbl, chro 400. (2¼<sup>of</sup> @ 5393'). Cum Csts: \$117,932.7-7-80 5846'; (242'-23 hrs); Drlg.

Drlg; rig rep-rot rubber; drlg; rig serv &amp; check BOPs; drlg. BGG 100 units, CG 300 units. MW 9.8, vis 36, WL 10.2, PV 10, YP 8, Sand ½, Solids 9%, pH 11, CL 4000 ppm, CA 100 ppm, GELS 0" 3, 10" 6, Cake 2/32, Chro 350. Cum Csts: \$126,015.

7-8-80 6064'; (218'-23½ hrs); Drlg.Drlg; rig service; drlg. BGG 100 units, CG 375 units. MW (.7, vis 37, WL 10.0, PV 10, YP 8, Sand ¼, Solids 7%, pH 10.5, Alk 1.5, M<sub>f</sub> 1.1, CL 3500 ppm, CA 100 ppm, Gels 0" 2, 10" 5, Cake 2/32, MBT 17.5 lb/bbl. Cum Csts: \$133,940.7-9-80 6226'; (162'-17½ hrs); DrlgDrlg; rig service; drlg; survey; POH for bit #4; drlg. BGG 225 units, CG 300 units. MW 9.7, vis 37, WL 10.4, PV 12, YP 8, Sand ¼, Solids 7%, pH 10.5, Alk .5, M<sub>f</sub> 11, CL 3000 ppm, CA 1000 ppm, cr 350. (1½<sup>o</sup> @ 6125'). Cum Csts: \$143,740.7-10-80 6493'; (267'-23 hrs); Drlg.Drlg; rig service; drlg; circ @ 6474'; drlg. 6441-6474 50 units inc 5.0"/ft-1.5"/ft. BGG 50 units, CG 300 units. MW 9.8, vis 39, WL 9.4, PV 16, YP 10, Sand ½, Solids 8%, pH 10.5, Alk .5, M<sub>f</sub> 1.0, CL 3000 ppm, CA 80 ppm, Gels 0" 3, 10" 6, Cake 2/32, MBT 17.5 lb/bbl, Cr 400. Cum Csts: \$152,075.7-11-80 6687'; (194'-22 hrs); Drlg.Drlg; rig service; drlg; rig service; drlg; rig service; drlg. Drlg Brk: 6610-6622 (12') bef 6.5"/ft, dur 2.0, after 7.5. bef 5 units BGG, dur 5, after 5. BGG: 5, CG 50. MW 9.6, vis 36, WL 9.8, PV 10, YP 7, Sand Tr, Solids 7%, pH 10.0, Alk .4, M<sub>f</sub> .9, CL 2500 ppm, CA 80 ppm, Gels 0" 2, 10" 4, Cake 2/32, MBT 15 lb/bbl, Chr 400. (1<sup>o</sup> @ 6594'). Cum Csts: \$165,954.7-12-80 6918'; (231'-24 hrs); Drlg 7-7/8" full retns.Drlg; Break: 6818-26 Rate-5"/ft bef, 2.0 dur, 6.0 after. Gas-250 units bef, 950 dur, 200 after. BGG 150 units, CG 500 units. MW 9.8, vis 37, WL 9.8, PV 12, YP 6, Sand ½, Solids 8%, pH 10.5, Alk 0.5, M<sub>f</sub> 1.2, CL 1800 ppm, CA 100 ppm, Gels 0" 3, 10" 7, Cake 2/32, MBT 15 lb/bbl, Chr 400 ppm. Cum Csts: \$173,285.7-13-80 7119'; (201'-23 hrs); Drlg 7-7/8" full retns.Drlg; rig service; drlg; rig service; drlg. Breaks: 7002-70006 Rate-6.0"/ft bef, 2.5 dur, 6.5 after. Gas-200 units bef, 550 dur, 200 after. 7028-7032 5.5"/ft bef, 2.5 dur, 6.0 after. Gas-175 units bef, 450 dur, 200 after. BGG 200 units, CG 300 units. MW 9.7, vis 38, WL 9.6, PV 15, YP 12, Sand ¼, Solids 7%, pH 10.5, Alk 0.5, M<sub>f</sub> 1.5, CL 1700 ppm, CA 100 ppm, Gels 0" 3, 10" 8, Cake 2/32, MBT 17.5 lb/bbl, Chr 400 ppm. Cum Csts: \$181,120.7-14-80 7200'; (81'-8½ hrs); WO fishing tools.

Drlg; circ, cond mud &amp; hole for logs; TOH to run elec logs; RU dresser Atlas &amp; run opn hole logs; try to work tools thru tight spot @ 204'; WO OS.

7-15-80 7200'; LD DP.WO overshoot; RU fishing tools; WO X-0 sub; TIH to 180'; catch fish; TOH; logging w/Dresser Atlas; TIH; circ & cond f/csg; TOH; LD DP. BGG 200 units, TG 1900 units. MW 9.7, vis 48, WL 9.6, PV 20, YP 15, Sand ½, Solids 9%, pH 10.5, Alk .5, M<sub>f</sub> 1.1, CL 1700 ppm, CA 100 ppm, Gels 0" 6, 10" 15, Cake 2/32, MBT 22.5 lb/bbl, Cr 400. Cum Csts: \$209,933.

CIGE #71-7-9-21

Bitter Creek Field (E)

Uintah County, Utah

LOCATION: C SE/4, Sec 7-T9S-R21E.

AFE: 19711 WI: 100%

ATD: 7200' SDL 6-21-80

CIGE, Oper.

9-5/8" @ 198', 212' KB;

6-22-80 175'; Spud 13" surf hole @ 9 AM.  
Drl to 175'.

6-23-80 198'; WO RT;  
Spud 9:00 6-21-80; finish drlg 13" surf hole; ran 5 jnts 9-5/8" 47.0# N-80  
LR & C csg to 198'; cmt w/125 sx Cl "G" cmt; plug dwn 12:00 AM 6-22-80; circ 5 bbl to  
surf; RD Halco; WO RT. Cum Csts: \$289,964.

6-24-80

thru

6-25-80 WO RT.

6-26-80 198'; RU RT.  
WO daylight; RU RT; WO daylight. Cum Csts: \$29,314.

6-27-80 503'; (291'-8 hrs); Drlg.  
WO daylight; RU RT; NU BOPs; press tst BOPs-ok; PU DC & tag cmt @ 1741'; drlg.  
MW 8.4, vis 27, circ res pit. Cum Csts: \$37,764.

6-28-80 TD 1596'; (1093'-21 hrs); Drlg.  
Drlg; survey; drlg; rig service; drlg; trip for bit #2; wash to btm; drlg. MW  
8.4, vis 27. (1<sup>o</sup> @ 723'). Cum Csts: \$46,889.

6-29-80 2307'; (711'-22 hrs); Drlg.  
Drlg; survey; drlg; rig service; drlg; rig service; drlg; survey; drlg; MW 8.4,  
vis 27. (1<sup>o</sup> @ 1657') (1<sup>o</sup> @ 2158'). Cum Csts: \$57,147.

6-30-80 3215'; (908'-23 hrs);  
Drlg; rig service; drlg; survey; drlg. MW 8.4, vis 27. (1<sup>o</sup> @ 2748'). Cum  
Csts: \$63,672.

7-1-80 3940'; (725'-22½ hrs); Drlg.  
Drlg; survey; drlg; rig service; drlg; rig service; drlg; survey; drlg. MW 8.8  
vis 33, WL 14.6, PV 7, YP 7, Sand Tr, Solids 2%, pH 10.5, Alk 1.3, M<sub>f</sub> 2.1, CL 5500 ppm,  
CA 120 ppm, Gels 0" 2, 10" 3, Cake 2/32, Ch 200. (1<sup>o</sup> @ 3248') (1<sup>o</sup> @ 3723'). Cum Csts:  
\$70,718.

7-2-80 4351'; (411'-23 hrs); Drlg.  
Drlg; rig service; drlg; survey; drlg. BGG 875 units, CG 1200 units. 4100-4104  
2.0"/ft bef, 1.5"/ft dur, 3.0"/ft after. Gas 600 units bef, 650 units dur, 500 units after.  
4128'-4184' 3.5"/ft bef, 1.0"/ft dur, 3.5"/ft after. Gas 700 units bef, 850 units dur, 725  
units after. 4208-4214' 4"/ft bef, 1.5"/ft dur, 3.5"/ft after. Gas 725 units bef, 800  
units dur, 675 units after. MW 9.2+, vis 35, WL 15, PV 7, YP 6, Sand ¼, Solids 6%, pH 10.  
M<sub>f</sub> 1.0, CL 5000 ppm, CA 120 ppm, Gels 0" 4, 10" 8, Cake 2/32, MBT 3.0, Cr 400. (1<sup>o</sup> @  
4200'). Cum Csts: \$79,146.

7-3-80 4717'; (366'-22½ hrs); Drlg 7-7/8" full retns.  
Drlg; rig service & check BOPs; change rot head rubber; drlg; rig rep-air comp  
belts; drlg. BGG 250 units, CG 950 units. Break: 4488-92 4' 4.0"/ft bef, 2.5"/ft dur,  
3.0"/ft after. 900 units bef, 1100 units dur, 850 units after. MW 9.6, vis 37, WL 14.2,  
PV 8, YP 7, Sand ¼, Solids 7%, pH 10.5, Alk 0.5, M<sub>f</sub> 1.1, CL 4800 ppm, CA 120 ppm, Gels  
0" 3, 10" 6, CAke 2/32, MBT 3.5 lb/bbl, Chr 400 ppm Western Mud. Cum Csts: \$87,871.

7-4-80 5011'; (294'-17 hrs); Drlg.  
Drlg; survey misrun @ 4741'; TOH; change out bit - washed out DC; TIH - wash 30  
to btm; drlg; survey (2<sup>o</sup> @ 4926'); drlg. BGG 275 units, CG 750 units, TG 1750 units.  
4808-12' 4.0"/ft bef, 2.0 dur, 4.0 after; 300 units bef, 375 dur, 300 after. 4820-24'  
3.0"/ft bef, 1.5 dur, 3.0 after; 250 units bef, 450 dur, 500 after. 4758-66' 4.0"/ft bef,  
2.0 dur, 3.5 after; 350 units after, 450 dur, 400 after. 4788-96' 3.5"/ft bef, 2.0 dur,  
3.0 after; 350 units bef, 400 dur, 300 after. 4848-52' 3.0"/ft bef, 1.5 dur, 4.0 after;  
450 units bef, 750 dur, 450 after. 4912-40' 4.0"/ft bef, 1.0 dur, 4.5 after; 600 units  
bef, 1200 dur 550 after. 4966-74' 4.0"/ft bef, 2.5 dur, 33 after; 425 units bef, 475 dur,  
400 after. MW 9.5+, vis 36, WL 13, PV 10, YP 7, Sand ½, Solids 8%, pH 11, Alk .9, M<sub>f</sub> 1.8,  
CL 4000 ppm, CA 120 ppm, Gels 0" 2, 10" 5, Cake 10/32, MBT 3.0 lb/bbl, chrom 400. Cum  
Csts: \$102,984.

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  
**CIG EXPLORATION, INC.**

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

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)  
**AT SURFACE: 1766' FSL & 1315' FEL**  
**AT TOP PROD. INTERVAL: SAME**  
**AT TOTAL DEPT: SAME**

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

5. LEASE  
**U-0575**

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

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

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

9. WELL NO.  
**CIGE 71-7-9-21**

10. FIELD OR WILDCAT NAME  
**BITTER CREEK**

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
**SECTION 7-T9S-R21E**

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

14. API NO.  
**43-047-30637**

15. ELEVATIONS (SHOW DF, KDB, AND WD)  
**4720' UNGR. GR.**

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) _____	_____	_____
Status		

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

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

Please see attached chronological for report of operations July 16 through August 15, 1980.

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

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

SIGNED *J. F. McCormick* TITLE Drilling Superintendent DATE August 20, 1980

(This space for Federal or State office use)

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

CONDITIONS OF APPROVAL, IF ANY:

CIGE #71-7-9-21

Natural Buttes Unit (E)

Uintah County, Utah

AFE: 19711 WI: 100%

ATD: 7200' SD: 6-21-80

CIGE, Oper.

9-5/8" @ 198', 212' KB; 4 1/2" @  
2700';

LOCATION: C SE/4, Sec 7-T9S-R21E.  
KB to GL 13'.

8-14-80 Well SI; WO CIG well tst.  
700 MCFD before SI well @ 8:50 AM; SITP 650, SICP 700 on 16/64" CK.

8-15-80 Well shut in; WO CIG well tst.  
24 hrs SITP 1650 psi, SICP 1700 psi. Drop f/report.

CIGE #71-7-9-21

Natural Buttes Unit (E)

Uintah County, Utah

AFE: 19711 WI: 100%

ATD: 7200' SD: 6-21-80

CIGE, Oper.

9-5/8" @ 198', 212' KB; 4 1/2" @

7200';

LOCATION: C SE/4, Sec 7-T9S-R21E.  
KB TO GL 13'.7-16-80 7200'; PBTB 7161'; WOC.

LD DP &amp; DC; RU csg crew; run 176 jnts 4 1/2" 22.6# N-80 LT &amp; C 7200'; RU Dowell &amp; circ f/cmt; pmp 500 gal spacer 1000 &amp; CW100; 1110 sx 50-50 poz w/8% gel, 10% salt 5#/sk Coalite 1/4#/sk Flake; 1440 sx 50-50 poz w/2% gel, 10% salt; displ w/113 bbl 5% KCL; PD @ 7:15 7-15-80; lost retns after 15 bbl of displ; set slip w/70,000#; clean pits; ND BOPs; Rig rel @ 12:00 MID 7-15-80. Cum Csts: \$272,811.

7-17-80 RD.7-25-80 7200'; WOC.

RU Dowell; pmpd 10 BW @ 1000 psi dwn annulus; pmpd 835 sx 50-50 poz 2% gel 10% salt 1/4#/sk cellophane @ 100 psi to top out csg strg; finish @ 2:00 PM 7-24-80. Cum Csts: \$276,190.

7-26-80

thru

7-28-80 WOC.7-29-80 7200'; PBTB 7148'; Sif/BHP.

MI RU Utah Well Service; RU OWP &amp; perf Wasatch: 5765, 69, 73, 77, 6441, 45, 49, 53, 57, 61, 66, 6817, 20, 23, 6912, 15, 7023, 26; 1 SPF (18 holes) 3-1/8" gun; PU: TIH w/ notch collar, 1 jnt 2-3/8" tbg, SN; 185 jnts 2-3/8" 4.7#, J-55 tbg; work on tongs; screw in 3 blast jnts, hang tbg @ 5595' KB; ND BOP; NU tree; RU CA, white; TIH &amp; hang w/5000 psi bomb @ 5560'; SI f/36 hrs (tried to flw-will not swb). Cum Csts: \$313,606.

7-30-80 7200'; PBTB 7149'; Prep to pull press bombs.

SI 24 hrs f/BHP survey; bombs expect out 7 AM; will break dwn &amp; flw tst. Cum Csts: \$317,256.

7-31-80 7200'; PVTB 7149'; Flw well to pit on 20/64".

Pull bombs &amp; make grad run; RU Halliburton; bump 10 bbl 5% KCl followed w/3600 gal 7 1/2% HCl w/additives; BD 4 bbl/min @ 4000 psi; drpd 36 balls-good ball action &amp; full ball out; compl 11 AM; max 6000 psi @ 5 BPM, avg 3700 psi @ 5BPM; ISIP 3400 psi, 15 min 1600; flw to pit on 18/64"; unload 2" stream wtr.

8-1-80 7300'; PBTB 7149'; Flw to pit on 18/64" CK @ 200 psi.

Flw to pit 18/64" CK; FTP 200 psi; approx 350 MCFD; SI @ 7:00 AM 8-1-80. Cum Csts: \$329,081

8-2-4-80 WO frac.8-5-80 7200'; PBTB 7249'; Turn to production.

RU Howco f/frac; frac--99,120 gal of Versagel 1400 w/175,000# 10/40 sd in 4 stages @ 17,500 gal / stage &amp; 1-4 ppg; job compl 10:00 AM 8-4-80; max 5800 psi @ 44 BPM, avf 5600' @ 43 BPM; ISIP 1210 psi, 15 min 1090 psi; SI; gave to prod, Marvin Fries. Cum Csts: \$378,025.

8-6-80 TD 7200'; PBTB 7148'; Flwg to pit.

Opn to pit at 1:00 PM 8-5-80; 16/64" CK; FTP 1450 psi, SICP 975 psi; full 2" stream of frac wtr. Cum Csts: \$378,025. (\$383,262)

8-7-80 7200'; PBTB 7148'; Flwg to pit after frac.

14/64" CK; FTP 850 psi, SCIP 800 psi. Est rate 1.2 MMCFD w/68 BWPD (load). Cum Csts: \$378,025.

8-8-80 FTP 900, SICP 1150 on 14/64" CK; 1.3 MM w/68 BLW.8-9-80 Flwg to pit. FTP 875, SICP 1000 on 16/64" CK; 1.250 MMCFD; est 68 BW.8-10-80 Flwg to pit. 16/64" CK; FTP 750 psi, SICP 900 psi; rate 1100 MCFD & 102 BWPD.8-11-80 FTP 700, SICP 800; gas 1 MMCFD, 17 BW on 16/64" CK.8-12-80 Flwg to pit.

FTP 650, SICP 750; 950 MCFD; wtr too small to measure; 16/64" CK.

8-13-80 FTP 600, SICP 750 on 16/64" CK; 900 MCFD; wtr TSTM.

FILE IN TRIPLICATE  
FORM OGC-8-X

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING  
1588 West North Temple  
Salt Lake City, Utah 84116

\*REPORT OF WATER ENCOUNTERED DURING DRILLING\*

Well Name & Number CIGE 71-7-9-21  
Operator CIG Exploration, Inc. Address P. O. Box 749, Denver, Co. 80201  
Contractor J. A. Masek Drilling Co. Address 410 17th St., Ste 1675, Denver, Co. 80202  
Location NE 1/4 SE 1/4 Sec. 7 T. 9S R. 21E County Uintah

Water Sands

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

(Continue of reverse side if necessary)

Formation Tops

Green River - 1805'  
Wasatch - 5237'

Remarks

- NOTE: (a) Report on this form as provided for in Rule C-20, General Rules and Regulations and Rules of Practice and Procedure.
- (b) If a water analysis has been made of the above reported zone, please forward a copy along with this form.

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

SUBMIT IN DUPLICATE

(See other instructions on reverse side)

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

9

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

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

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

2. NAME OF OPERATOR  
CIG Exploration, Inc.

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

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)\*  
At surface 1766' FSL & 1315' FEL  
At top prod. interval reported below SAME  
At total depth SAME

NE SE

14. PERMIT NO. 43-047-30637  
DATE ISSUED 10-4-79

5. LEASE DESIGNATION AND SERIAL NO.

U-0575

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

Ute Tribe Surface

7. UNIT AGREEMENT NAME

Natural Buttes Unit

8. FARM OR LEASE NAME

Natural Buttes

9. WELL NO.

CIGE 71-7-9-21

10. FIELD AND POOL, OR WILDCAT

Natural Buttes Field

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

Section 7-T9S-R21E

12. COUNTY OR PARISH Uintah  
13. STATE Utah

15. DATE SPUDDED 6-21-80  
16. DATE T.D. REACHED 7-14-80  
17. DATE COMPL. (Ready to prod.) 8-13-80  
18. ELEVATIONS (DF, REB, RT, GR, ETC.)\* 4720' Ungr. Gr.  
19. ELEV. CASINGHEAD Unknown

20. TOTAL DEPTH, MD & TVD 7200'  
21. PLUG, BACK T.D., MD & TVD 7149'  
22. IF MULTIPLE COMPL., HOW MANY\* N/A  
23. INTERVALS DRILLED BY  
ROTARY TOOLS 0-TD  
CABLE TOOLS -----

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)\*  
5765-7026' 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"	47#	198'	13"	125 sacks	-----
4-1/2"	11.6#	7200'	7-7/8"	3385 sacks	-----

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
		N/A			2-3/8"	5595'	-----

30. TUBING RECORD

31. PERFORATION RECORD (Interval, size and number)

Perf w/3-1/8" casing gun w/l SPF at: 5765', 5769', 5773', 5777', 6441', 6445', 6449', 6453', 6457', 6461', 6466', 6817', 6820', 6823', 6912', 6915', 7023', 7026' = total 18 holes.

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

DEPTH INTERVAL (MD) 5765'-7026'  
AMOUNT AND KIND OF MATERIAL USED  
3600 gals 7 1/2% HCl.  
Frac w/99,120 gals gel +  
175,000# 10/40 sand.

33.\* PRODUCTION

DATE FIRST PRODUCTION 8-1-80  
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
8-12-80	24	16/64"	→	0	900	TSTM	-----

FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)
600	750 (SI)	→	0	900	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 Jim M. McCormick TITLE Drilling Superintendent DATE August 21, 1980  
J. F. MCCORMICK

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

# INSTRUCTIONS

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

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

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

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

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

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	MEAS. DEPTH	TOP	TRUE VERT. DEPTH
No cores or DST's				Green River	1805'		
				Wasatch	5237'		

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

**38. GEOLOGIC MARKERS**

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

Natural Duck

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

Natural Buttes

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

COGC NBU #1  
COGC NBU #3  
COGC NBU #4  
COGC NBU #6  
COGC NBU #7  
COGC NBU #8  
COGC NBU #9  
COGC NBU #10  
COGC NBU #11  
COGC NBU #12  
COGC NBU #13  
COGC NBU #14  
COGC NBU #15  
COGC NBU #16  
COGC NBU #17  
COGC NBU #18  
COGC NBU #19  
COGC NBU #20  
COGC NBU #22  
COGC NBU #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 1967

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  
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CIGE NBU #69-19-10-21  
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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  
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CIGE NBU #81D-4-10-21  
CIGE NBU #83D-7-10-22P  
CIGE NBU #84D-12-10-21P  
CIGE NBU #85D-29-10-21  
CIGE NBU #86D-16-9-21P  
CIGE NBU #87D-34-9-21P  
CIGE NBU #88D-15-10-21P  
CIGE NBU #89D-34-9-22J

95, 01E, 7 30637

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

COGC NBU #11-14-9-20

Bluebell (Coastal Operated)

Asay

Powell Fee #3

Powell Fee #4

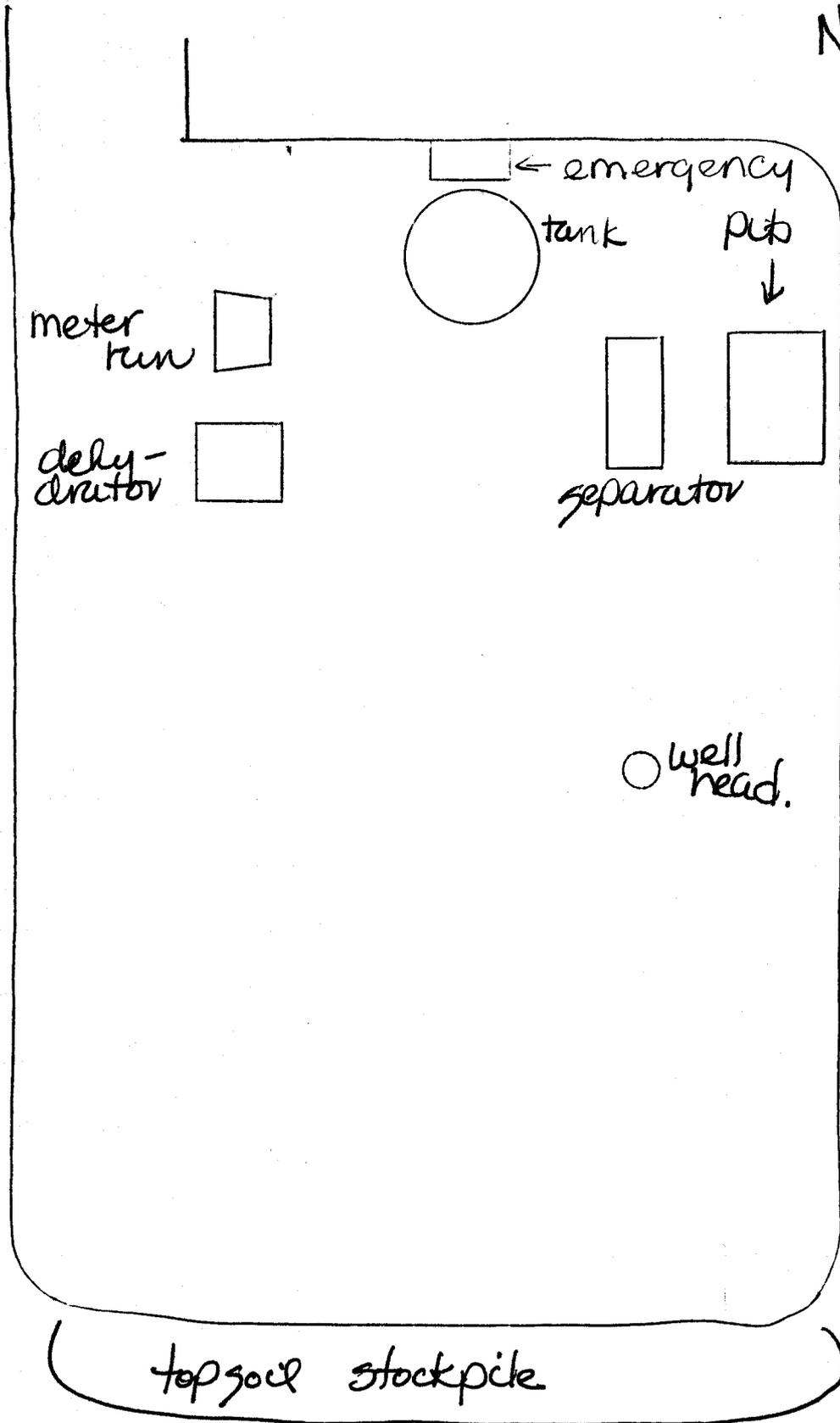
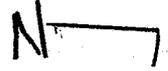
Ute Tribal #1-31

Powell Fee #3 SWD

Q16E 71

sec 7, T9S, R21E

Kubly 12/20/88





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

**STATE COPY**

WELL CODE <b>01-11</b>	FIELD NAME <b>NATURAL BUTTES, UT</b>	OPERATOR CODE <b>22</b>	OPERATOR NAME <b>CIG EXPLORATION INC</b>	WELL NAME <b>CIG 71-7-9-21</b>
---------------------------	---	----------------------------	---	-----------------------------------

WELL CODE <b>25401</b>	SECT. <b>7</b>	LOCATION TWN/SH/BLK <b>9S 21E</b>	RGE/SUR. <b>21E</b>	PANHANDLE/REDCAVE SEQ. NUMBER <b>00500</b>	K-FACTOR	FORMATION <b>ASATCH SA</b>	FLOW TEST <b>FLOW TEST</b>
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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.	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
<b>08</b>	<b>31</b>	<b>82</b>	<b>09</b>	<b>07</b>	<b>82</b>	<b>00</b>	<b>500</b>	<b>2</b>	<b>067</b>	<b>012</b>	<b>190</b>	<b>.610</b>	<b>100</b>	<b>005930</b>	<b>04</b>	<b>15</b>	<b>066</b>	<b>005940</b>	<b>007820</b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</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.															
DATE			PRESSURE TAKEN			DATE			CASING PRESSURE (PSIG)		TUBING PRESSURE (PSIG)		SLOPE		EFFECTIVE DIAMETER		EFFECTIVE LENGTH		GRAVITY (RAW GAS)		EST. CSG PRESS.		EST. TBG PRESS.													
MO.	DAY	YR.	MO.	DAY	YR.	MO.	DAY	YR.	23	28	29	34	35	38	39	44	45	49	50	53	54	55														
X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	E	E	<p align="right">CIG: <u>K.G. Williams</u></p> <p align="right">OPERATOR: <u>M. Bonin</u></p> <p align="right">COMMISSION: _____</p>													
<b>09</b>	<b>07</b>	<b>82</b>	<b>09</b>	<b>10</b>	<b>82</b>	<b>011</b>	<b>20</b>	<b>011</b>	<b>44</b>	<b>89</b>	<b>1</b>	<b>395</b>	<b>5595</b>																							

REMARKS:

**25401 00500**

MET. STAMP

WELL TEST DATA FORM

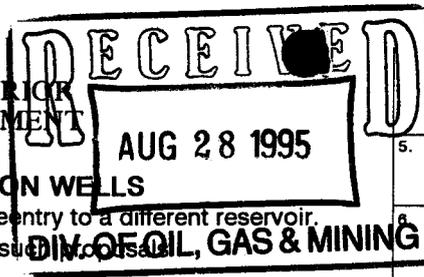
FIELD CODE 550-01-11			FIELD NAME NATURAL BUTTES					OPERATOR CODE 2200		OPERATOR NAME CIG EXPLORATION INC					WELL NAME CIGE 71-7-9-21				
WELL CODE 2401	SECT. 20	LOCATION TWN/BLK 9S 21E		RGE/SUR. 21E		PANHANDLE/REDCAVE SEQ. NUMBER		K-FACTOR		FORMATION NATATCH SA FLOW TEST					1				

WELL ON (OPEN)										FLOW TEST																						
DATE (COMP.)			ORIFICE SIZE		METER RUN SIZE		COEFFICIENT		GRAVITY (SEP)		METER DIFF. RANGE		METER PRESSURE		DIFFERENTIAL ROOTS		METER TEMP.		WELL HEAD TEMP.		FLOWING TBG/CSG PRESSURE		STATIC TSG/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.
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
11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43
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
09	15	81	09	22	81	01	000	367				0.605	1.1	106925	01	50	50	50	110	107110	01	000										

WELL-OFF (SHUT-IN)										SHUT-IN TEST					SLOPE		EFFECTIVE DIAMETER		EFFECTIVE LENGTH		GRAVITY (RAW GAS)		EST CSG PRESS	EST TBG PRESS	TO THE BEST OF MY KNOWLEDGE THE ABOVE DATA IS CORRECT.  CIG: <u>M.C. Kennedy</u> OPERATOR: _____ COMMISSION: _____
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.	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	X	X	E	E
06	15	81	06	18	81	01	013	0	01	009	0														

<p>25401 00750</p>	<p>REMARKS:</p>
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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.

<b>SUBMIT IN TRIPLICATE</b>	5. Lease Designation and Serial No. <b>J-0575</b>
	6. Indian, Alottee or Tribe Name <b>Ute Tribe Surface</b>
	7. If Unit or CA, Agreement Designation <b>Natural Buttes Unit</b>
	8. Well Name and No. <b>CIGE #70-7-9-21</b>
	9. API Well No. <b>43-047-30637</b>
	10. Field and Pool, Or Exploratory Area <b>Natural Buttes</b>
	11. County or Parish, State <b>Uintah County, UT</b>

12. CHECK APPROPRIATE BOX(S) 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"/> Abandonment	<input type="checkbox"/> Change of Plans
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion	<input type="checkbox"/> New Construction
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Altering Casing	<input type="checkbox"/> Conversion to Injection
	<input checked="" type="checkbox"/> Other <b>CO, Reperf, Lwr Tbg &amp; Install Plunger Lift Equip</b>	<input type="checkbox"/> Dispose Water

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

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

Please see the attached workover procedure for work to be performed on the subject well.

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

Signed Sheila Bremer Title Environmental & Safety Analyst Date 08/25/95

(This space for Federal or State office use)

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

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

**CIGE #71**  
 Natural Buttes Field  
 Section 7-T9S-R21E

**WELL DATA:**

Location: 1766' FSL 1315 FEL Sec. 7-T9S-R21E  
 Elevation: 4720' GR, 4734' KB  
 Total Depth: 7200', PBSD 7161'  
 Casing: 9-5/8" 47# N-80 @ 198'  
 4-1/2" 11.6# N-80 @ 7200'  
 Tubing: 2-3/8" 4.7# J-55 @ 5595'  
 Formation: Wasatch (5765'-7026' - 18 holes)  
 Working Interest: 100% CIGE

**PROCEDURE:**

1. MI & RU. Kill well w/3% KCl water. ND WH. NU BOP. POOH w/2-3/8" tubing.
2. RIH w/bit & hydrostatic bailer to PBSD (7161').
3. RU & reperforate Wasatch w/3-1/8" casing gun (4 JSPF). Perforate from FDC-CNL log (7/80):

5765	6445	6466	6820	7026
5769	6449	6612	6823	
5773	6453	6614	6912	
5777	6457	6616	6915	
6441	6461	6817	7023	(84 holes)

4. RIH w/2-3/8" tubing to ±7025' (new EOT). Swab & flow well to clean up.
5. Install plunger stop via WL. ND BOP. NU WH. Complete plunger lift installation.
6. After returning well to sales line, obtain rates and pressures.

Rate prior to W/O (3/9/95): 105 MCF, on 30/64" choke (FTP 325#, CP 350#, LP 285#).

*Wm*

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

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

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

5. LEASE DESIGNATION AND SERIAL NUMBER:  
6. IF INDIAN, ALLOTTEE OR TRIBE NAME:  
7. UNIT or CA AGREEMENT NAME:  
8. WELL NAME and NUMBER:  
Exhibit "A"  
9. API NUMBER:  
10. FIELD AND POOL, OR WILDCAT:

1. TYPE OF WELL  
OIL WELL  GAS WELL  OTHER \_\_\_\_\_  
2. NAME OF OPERATOR:  
El Paso Production Oil & Gas Company  
3. ADDRESS OF OPERATOR:  
8 South 1200 East CITY Vernal STATE Utah ZIP 84078 PHONE NUMBER: 435-789-4433

4. LOCATION OF WELL  
FOOTAGES AT SURFACE: \_\_\_\_\_ COUNTY: \_\_\_\_\_  
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: \_\_\_\_\_ STATE: UTAH

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

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

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

Bond # 400JU0708

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

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

(This space for State use only)

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

(5/2000) (See Instructions on Reverse Side)

State of Delaware  
Office of the Secretary of State

---

PAGE 1

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

RECEIVED

MAR 14 2001

DIVISION OF  
OIL, GAS AND MINING



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

0610204 8100

010162788

AUTHENTICATION: 1061007

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

Attest:

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

RECEIVED

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

JUN 19 2001

DIVISION OF  
OIL, GAS AND MINING



# United States Department of the Interior

## BUREAU OF LAND MANAGEMENT

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

**RECEIVED**

JUL 12 2001

DIVISION OF  
OIL, GAS AND MINING

In Reply Refer To:

3106

UTSL-065841

(UT-924)

JUL 10 2001

### NOTICE

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

#### Name Change Recognized

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

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

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

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

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



Opolonia L. Abeyta  
Acting Chief, Branch of  
Minerals Adjudication

Enclosure

1. Exhibit of Leases (1 pp)

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

### Exhibit of Leases

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

**OPERATOR CHANGE WORKSHEET**

**ROUTING**

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

Enter date after each listed item is completed

Change of Operator (Well Sold)

Designation of Agent

Operator Name Change (Only)

**X** Merger

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

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

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

**CA No.**

**Unit: NATURAL BUTTES**

**WELL(S)**

NAME	API NO	ENTITY NO	SEC TWN RNG	LEASE TYPE	WELL TYPE	WELL STATUS
NBU 36-7B	43-047-30399	2900	07-09S-21E	FEDERAL	GW	S
CIGE 71-7-9-21	43-047-30637	2900	07-09S-21E	FEDERAL	GW	P
CIGE 110D-7-9-21	43-047-31959	2900	07-09S-21E	FEDERAL	GW	P
CIGE 123-7-9-21	43-047-32047	2900	07-09S-21E	FEDERAL	GW	P
CIGE 122-7-9-21	43-047-32098	2900	07-09S-21E	FEDERAL	GW	P
NBU 305-7E	43-047-32135	2900	07-09S-21E	FEDERAL	GW	P
NBU 349-7E	43-047-32326	2900	07-09S-21E	FEDERAL	GW	P
CIGE 197-7-9-21	43-047-32798	2900	07-09S-21E	FEDERAL	GW	P
CIGE 231-7-9-21	43-047-33021	2900	07-09S-21E	FEDERAL	GW	P
NBU 489-7E	43-047-33121	2900	07-09S-21E	FEDERAL	GW	P
NBU 35-8B	43-047-30397	2900	08-09S-21E	FEDERAL	GW	P
NBU 64N-3	43-047-31098	2900	08-09S-21E	FEDERAL	GW	P
NBU 202	43-047-32338	2900	08-09S-21E	FEDERAL	GW	P
NBU 325-8E	43-047-32376	2900	08-09S-21E	FEDERAL	GW	P
NBU 521-8E	43-047-33780	2900	08-09S-21E	FEDERAL	GW	P
NBU CIGE 44-9-9-21	43-047-30527	2900	09-09S-21E	FEDERAL	GW	P
NBU 53	43-047-30837	2900	09-09S-21E	FEDERAL	GW	P
NBU CIGE 90D-9-9-21J	43-047-31149	2900	09-09S-21E	FEDERAL	GW	P
CIGE 124-9-9-21	43-047-32045	2900	09-09S-21E	FEDERAL	GW	P
CIGE 155-9-9-21	43-047-32157	2900	09-09S-21E	FEDERAL	GW	P

**OPERATOR CHANGES DOCUMENTATION**

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





United States Department of the Interior **RECEIVED**

BUREAU OF LAND MANAGEMENT

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

FEB 22 2002

DIVISION OF  
OIL, GAS AND MINING

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

FEB 21 2002

NOTICE

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

Name Change Recognized

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

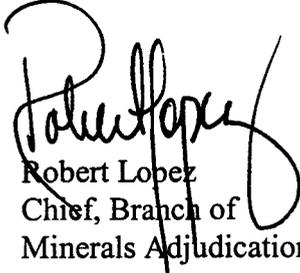
For our purposes, the name change is recognized effective December 31, 2001.

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

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

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

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



Robert Lopez  
Chief, Branch of  
Minerals Adjudication

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

# memorandum

Branch of Real Estate Services  
Uintah & Ouray Agency

Date: 5 December, 2002

Reply to  
Attn of: Supervisory Petroleum Engineer

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

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

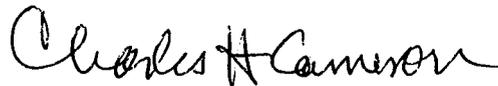
We have been advised of changes occurring with the operation of your database for Change of Operator. You will be modifying your records to reflect Change of Operator once you have received all necessary documentation from the companies involved, and perhaps in advance of our Notice of Concurrence/Approval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

We have no objection.

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

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

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



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

JAN. 17. 2003 3:34PM

PORT

NO. 173 P. 2

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

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

February 1, 2002

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

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

Dear Ms. Maxwell:

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

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

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

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

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

Debby J. Black  
Engineer Technician

Encl:



# United States Department of the Interior

BUREAU OF INDIAN AFFAIRS

Washington, D.C. 20240

FEB 10 2003

IN REPLY REFER TO:  
Real Estate Services

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

Dear Mr. Wilson:

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

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

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

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

Sincerely,

Director, Office of Trust Responsibilities

**ACTING**

Enclosure



# United States Department of the Interior

## BUREAU OF LAND MANAGEMENT

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

IN REPLY REFER TO  
UT-922

February 27, 2003

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

Re: Natural Buttes Unit  
Uintah County, Utah

Gentlemen:

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

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

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

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

Sincerely,

/s/ Robert A. Henricks

Robert A. Henricks  
Chief, Branch of Fluid Minerals

Enclosure

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

UT922:TAThompson:tt:02/27/2003

RECEIVED

FEB 28 2003

DIV. OF OIL, GAS & MINING

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

FORM 9

**SUNDRY NOTICES AND REPORTS ON WELLS**

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

5. LEASE DESIGNATION AND SERIAL NUMBER:  
6. IF INDIAN, ALLOTTEE OR TRIBE NAME:  
7. UNIT or CA AGREEMENT NAME:  
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:  
**9 Greenway Plaza** CITY **Houston** STATE **TX** ZIP **77064-0995** PHONE NUMBER: **(832) 676-5933**

4. LOCATION OF WELL  
FOOTAGES AT SURFACE: COUNTY:  
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: STATE: **UTAH**

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

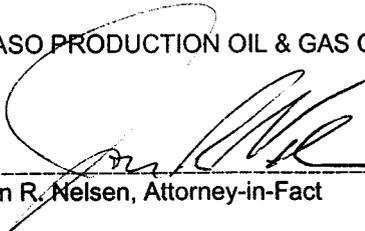
TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____  <input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/>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

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

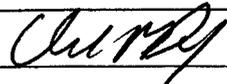
Operator change to Westport Oil and Gas Company, L.P., 1670 Broadway, Suite 2800, Denver, CO. 80202-4800, effective December 17, 2002.

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

EL PASO PRODUCTION OIL & GAS COMPANY

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

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

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

(This space for State use only)

Form 3160-5  
(August 1999)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUNDRY NOTICES AND REPORTS ON WELLS

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

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

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

6. If Indian, Allottee or Tribe Name

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

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

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

10. Field and Pool, or Exploratory Area

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

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

1. Type of Well  
 Oil Well  Gas Well  Other

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

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

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

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

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

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

**SUCCESSOR OF OPERATOR**

13. Describe Proposed or Completed Operations (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and so forth. 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 when 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

BUREAU OF OIL, GAS & MINING

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

Name (Printed/Typed)

**CHERYL CAMERON**

Title

**OPERATIONS**

Signature

Date

**March 4, 2003**

THIS SPACE FOR FEDERAL OR STATE USE

Approved by

Title

Date

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

Office

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

(Instructions on reverse)

**OPERATOR CHANGE WORKSHEET**

**ROUTING**

1. GLH
2. CDW✓
3. FILE

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

Designation of Agent/Operator

Operator Name Change

Merger

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

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

**CA No. Unit: NATURAL BUTTES**

**WELL(S)**

NAME	SEC TWN RNG	API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS
CIGE 71-7-9-21	07-09S-21E	43-047-30637	2900	FEDERAL	GW	P
CIGE 110D-7-9-21	07-09S-21E	43-047-31959	2900	FEDERAL	GW	P
NBU 305-7E	07-09S-21E	43-047-32135	2900	FEDERAL	GW	P
CIGE 122-7-9-21	07-09S-21E	43-047-32098	2900	FEDERAL	GW	P
CIGE 123-7-9-21	07-09S-21E	43-047-32047	2900	FEDERAL	GW	P
CIGE 197-7-9-21	07-09S-21E	43-047-32798	2900	FEDERAL	GW	P
CIGE 231-7-9-21	07-09S-21E	43-047-33021	2900	FEDERAL	GW	P
NBU 349-7E	07-09S-21E	43-047-32326	2900	FEDERAL	GW	P
NBU 489-7E	07-09S-21E	43-047-33121	2900	FEDERAL	GW	P
NBU 492-7E	07-09S-21E	43-047-34217	99999	FEDERAL	GW	APD
CIGE 255	07-09S-21E	43-047-33970	2900	FEDERAL	GW	P
NBU 521-8E	08-09S-21E	43-047-33780	2900	FEDERAL	GW	P
NBU 35-8B	08-09S-21E	43-047-30397	2900	FEDERAL	GW	P
NBU 64N-3	08-09S-21E	43-047-31098	2900	FEDERAL	GW	P
NBU 202	08-09S-21E	43-047-32338	2900	FEDERAL	GW	P
NBU 325-8E	08-09S-21E	43-047-32376	2900	FEDERAL	GW	P
NBU 371	08-09S-21E	43-047-34673	99999	FEDERAL	GW	APD
NBU 446	08-09S-21E	43-047-34621	99999	FEDERAL	GW	APD
NBU 453	08-09S-21E	43-047-34816	99999	FEDERAL	GW	APD
NBU 201	09-09S-21E	43-047-32364	2900	FEDERAL	GW	P

**OPERATOR CHANGES DOCUMENTATION**

Enter date after each listed item is completed

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

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

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

8. **Federal and Indian Units:**

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

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

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

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

**DATA ENTRY:**

1. Changes entered in the **Oil and Gas Database** on: 03/11/2003
2. Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 03/11/2003
3. Bond information entered in RBDMS on: N/A
4. Fee wells attached to bond in RBDMS on: N/A

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

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

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

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

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

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

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

1. (R649-3-1) The **NEW** operator of any fee well(s) listed covered by Bond Number RLB 0005238
2. The **FORMER** operator has requested a release of liability from their bond on: N/A  
The Division sent response by letter on: N/A

**LEASE INTEREST OWNER NOTIFICATION:**

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

**COMMENTS:**

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UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

SUNDRY NOTICES AND REPORTS ON WELLS

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5. Lease Serial No.  
Multiple Wells - see attached

6. If Indian, Allottee or Tribe Name

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

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

9. API Well No.  
Multiple Wells - see attached

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

11. County or Parish, State  
Uintah County, UT

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

1. Type of Well  
 Oil Well  Gas Well  Other

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

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

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

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

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

TYPE OF SUBMISSION	TYPE OF ACTION
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<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Deepen
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Fracture Treat
	<input type="checkbox"/> Casing Repair
	<input type="checkbox"/> New Construction
	<input type="checkbox"/> Change Plans
	<input type="checkbox"/> Plug and Abandon
	<input type="checkbox"/> Convert to Injection
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	<input type="checkbox"/> Reclamation
	<input type="checkbox"/> Recomplete
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	<input type="checkbox"/> Water Disposal
	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Well Integrity
	<input type="checkbox"/> Other _____

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 recompleate 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 recompleation 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.

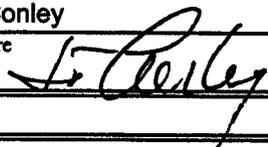
Westport Oil & gas requests approval of this variance in order to increase the value of the well to the operator and the mineral royalty owners.

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: JTC Date: 9-2-2003

Operations Manager

SEP 10 2003

DIV. OF OIL, GAS & MINING

THIS SPACE FOR FEDERAL OR STATE USE

Approved by

Title

Date

Accepted by the  
Utah Division of  
Oil, Gas and Mining

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.

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

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

**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

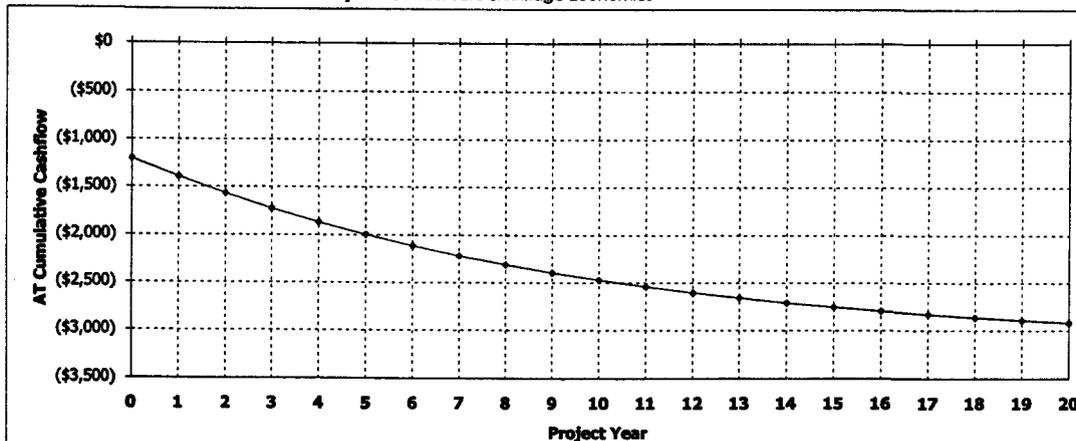
**Gross Reserves:**

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 4 ozs of pressure are placed on the tank. The increased production does not payout the valve cost or the estimated annual maintenance costs.**

**Project: Condensate Shrinkage Economics**



**Westport Oil and Gas, Inc.**  
**NBU/Ouray Field**  
RFL 2003-022

**COMPARISON OF FLASH BACK PRESSURES**

Calculated by Characterized Equation-of-State

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

**Calculated at Laboratory Flash Conditions**

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

**Calculated Flash with Backpressure using Tuned EOS**

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

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

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

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

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

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:
- a. (R649-9-2)Waste Management Plan has been received on: IN PLACE
- b. Inspections of LA PA state/fee well sites complete on: n/a 3 LA wells & all PA wells transferred
- c. Reports current for Production/Disposition & Sundries on: ok
- Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: BLM 3/27/2006 BIA not yet

**7. Federal and Indian Units:**

The BLM or BIA has approved the successor of unit operator for wells listed on: 3/27/2006

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

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

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

**DATA ENTRY:**

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

**BOND VERIFICATION:**

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

**LEASE INTEREST OWNER NOTIFICATION:**

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

**COMMENTS:**

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

**SUNDRY NOTICES AND REPORTS ON WELLS**

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

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

1. Type of Well  
 Oil Well  Gas Well  Other

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

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

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

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

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

6. If Indian, Allottee or Tribe Name

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

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

9. API Well No.

10. Field and Pool, or Exploratory Area

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

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

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

13. Describe Proposed or Completed Operations (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or 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 5116106**

*Earlene Russell*

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

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

Name (Printed/Typed)  
**RANDY BAYNE**

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**

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

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

6. If Indian, Allottee or Tribe Name

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

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

9. API Well No.

10. Field and Pool, or Exploratory Area

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

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

1. Type of Well  
 Oil Well  Gas Well  Other

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

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

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

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

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

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

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

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

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

RECEIVED  
MAY 10 2006

DIV. OF OIL, GAS & MINING

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

Name (Printed/Typed) <b>BRAD LANEY</b>	Title <b>ENGINEERING SPECIALIST</b>
Signature <i>Brad Laney</i>	Date <b>May 9, 2006</b>

**THIS SPACE FOR FEDERAL OR STATE USE**

Approved by <i>Brad Laney</i>	Title	Date <b>5-9-06</b>
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  
Colorado State Office  
2850 Youngfield Street  
Lakewood, Colorado 80215-7076

IN REPLY REFER TO:

CO922 (MM)  
3106  
COC017387 et. al.

March 23, 2006

### NOTICE

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

#### Merger/Name Change - Recognized

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

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

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

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

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

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

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

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

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

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

Attachment:

List of OG Leases to each of the following offices:

MMS MRM, MS 357B-1

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

CO Field Offices

Wyoming State Office

Rider #1 to Bond WY2357

Rider #2 to Bond WY1865

Rider #3 to Bond WY1127



# United States Department of the Interior



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

IN REPLY REFER TO:  
3106  
(UT-922)

March 27, 2006

## Memorandum

To: Vernal Field Office

From: Chief, Branch of Fluid Minerals

Subject: Merger Approval

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

Chief, Branch of  
Fluid Minerals

## Enclosure

Approval letter from BLM COSO (2 pp)

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

RECEIVED

MAR 28 2006

BLM OF OIL, GAS & MINERAL