

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

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK
 DRILL DEEPEN PLUG BACK

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

2. NAME OF OPERATOR
 BELCO PETROLEUM CORPORATION

3. ADDRESS OF OPERATOR
 P. O. BOX X, VERNAL, UTAH 84078

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*
 At surface
 2185' FNL & 649' FEL SE 1/4 NE 1/4
 At proposed prod. zone

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
 SAME

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any)
 Approx. 3 miles South of Ouray

16. NO. OF ACRES IN LEASE
 17. NO. OF ACRES ASSIGNED TO THIS WELL
 40

18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.
 19. PROPOSED DEPTH
 5420' *Green River*

20. ROTARY OR CABLE TOOLS
 Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
 4734' Ungraded G.L.

5. LEASE DESIGNATION AND SERIAL NO.
 U-13353

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
 UTE SURFACE

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
 DUCK CREEK

9. WELL NO.
 41-8GR

10. FIELD AND POOL, OR WILDCAT
Green River Junction Field
 DC-GREEN RIVER

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
 SECTION 8, T9S, R20E

12. COUNTY OR PARISH
 UINTAH

13. STATE
 UTAH

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
13"	9 5/8"	36# K-55	200'	200 sx
8 3/4"	5 1/2"	17# K-55	5420	200' above uppermost hydrocarbon zone

See attachments for:

- 10 Point Program
- 13 Point Surface Use Plan
- with additional stipulations required by the BIA
- Location Plat
- Location Layout
- TOPO Maps "A" & "B"
- BOP design
- production facilities schematic

APPROVED BY THE DIVISION OF OIL, GAS, AND MINING

DATE: 10/29/80

BY: *JB Ball*

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 *JB Ball* TITLE District Engineer DATE 10-15-80

(This space for Federal or State office use)

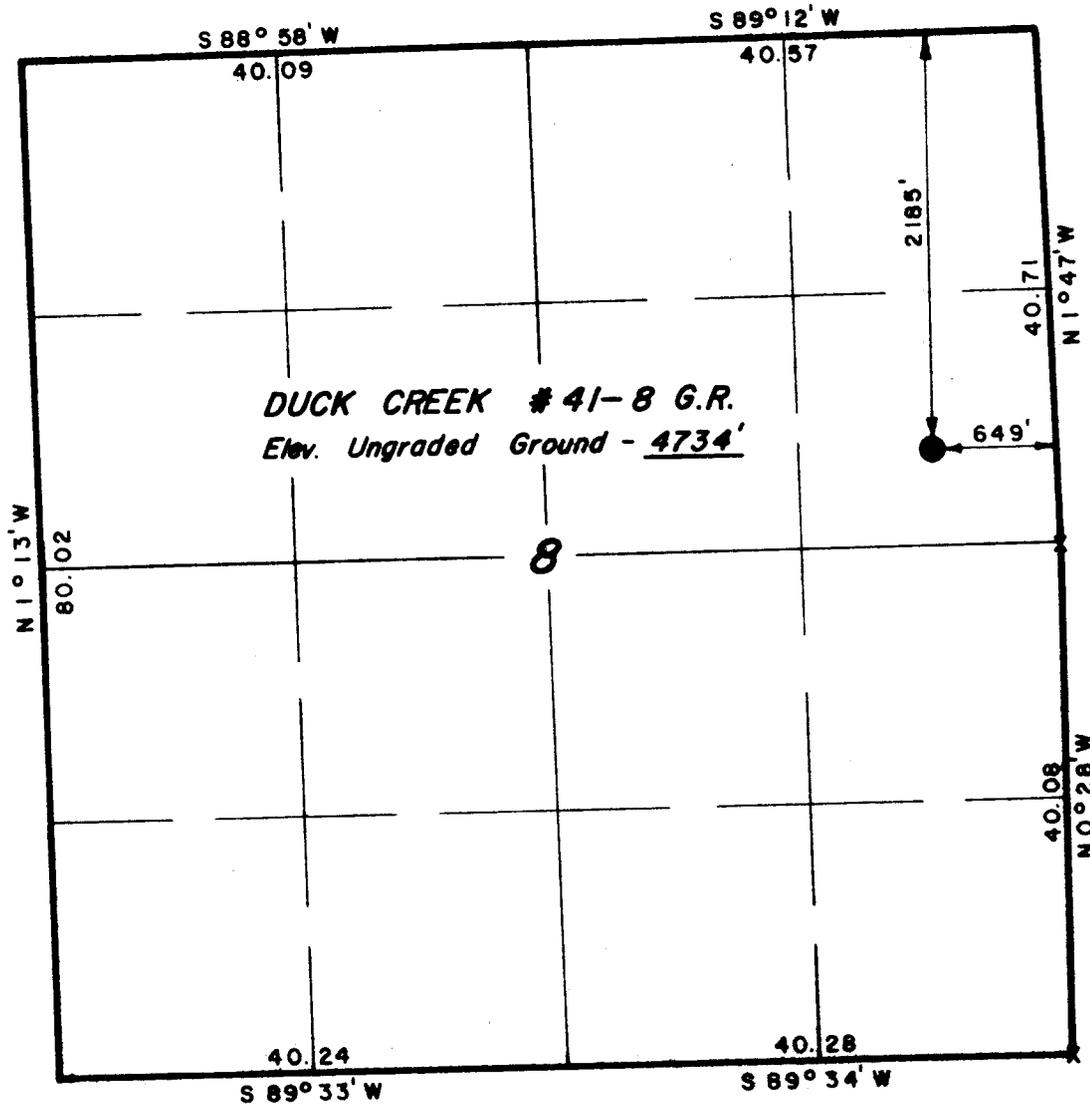
PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY _____ TITLE _____ DATE _____
 CONDITIONS OF APPROVAL, IF ANY:

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

PROJECT
BELCO PETROLEUM CORP.

Well location, **DUCK CREEK**
41-8 GR, located as shown
SE1/4 NE1/4 Section 8, T9S, R20E,
S.L.B. & M. Uintah County, Utah.



X = Section Corners Located



CERTIFICATE

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

Richard J. Marshall
REGISTERED LAND SURVEYOR
REGISTRATION NO 2454
STATE OF UTAH

UINTAH ENGINEERING & LAND SURVEYING
P.O. BOX 9 - 110 EAST - FIRST SOUTH
VERNAL, UTAH - 84078

SCALE	1" = 1000'	DATE	10 / 9 / 80
PARTY	LDT TJ AC	REFERENCES	OLD Plat
WEATHER	Clear / Hot	FILE	BELCO PETROLEUM CORP.

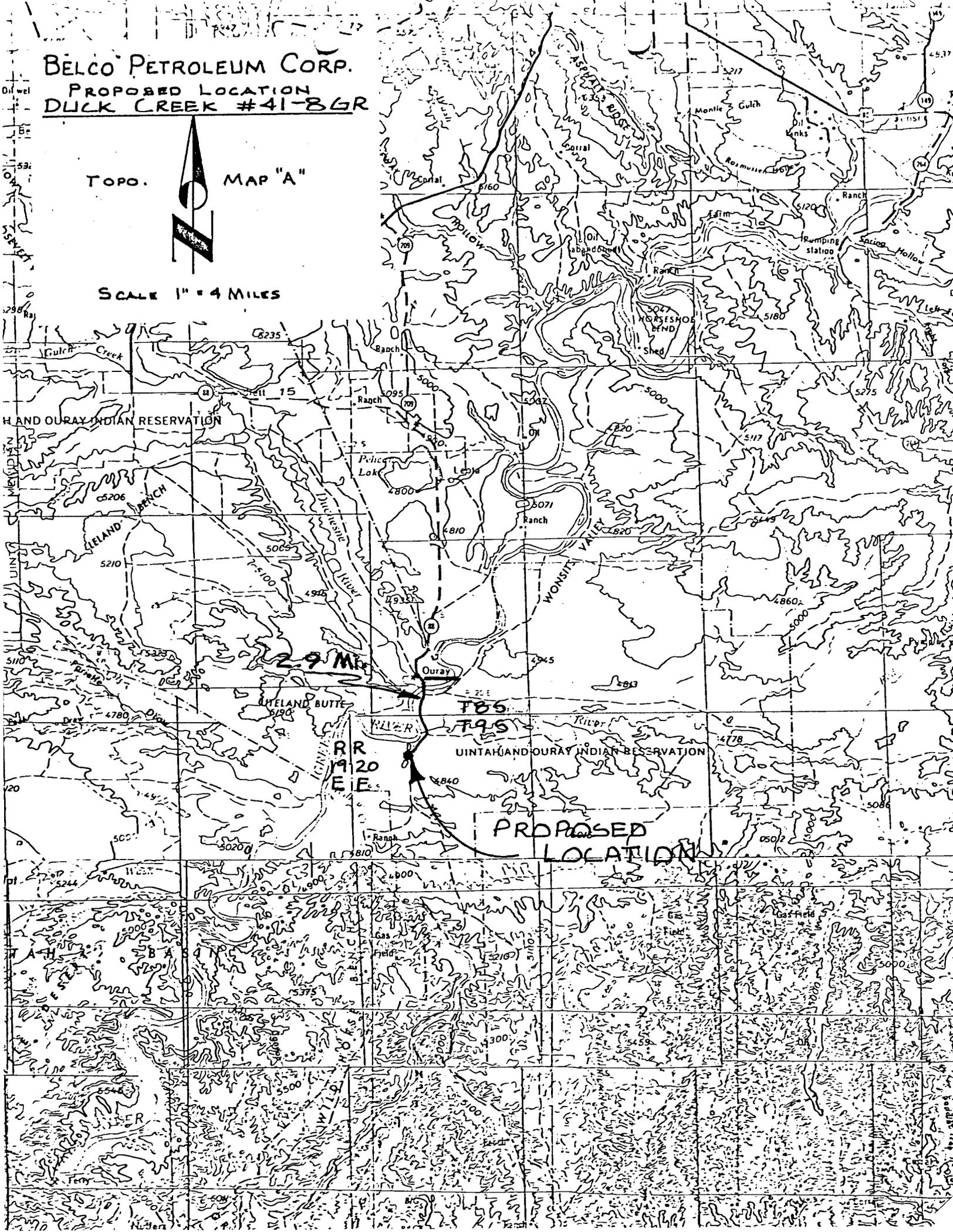
BELCO PETROLEUM CORP.
PROPOSED LOCATION
DUCK CREEK #41-84R

TOPO.

MAP "A"



SCALE 1" = 4 MILES



PROPOSED LOCATION

2.9 MI

RR
#20
E.E.

T85
T95

UINTEAH AND OURAY INDIAN RESERVATION

UINTEAH AND OURAY INDIAN RESERVATION

GULCH BUTTE

GULCH CREEK

MONTIE GULCH

ROSMUSSEY GULCH

WONSIET VALLEY

OIL LAB

SHED

PELICAN LAKE

LELAND BUTTE

WASH

FIELD

FIELD

NUTTEN

FIELD

Identification CER/EA No. 039-81

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

NEPA CATEGORICAL EXCLUSION REVIEW

PROJECT IDENTIFICATION

Operator Belco Petroleum Corporation
Project Type Oil well development Duck Creek
Project Location 2185' FNL 649' FEL Section 8, T. 9S, R. 20E
Well No. 41-8 GR Lease No. U-13353
Date Project Submitted October 17, 1980

FIELD INSPECTION

Date November 25, 1980

Field Inspection
Participants

Craig Hansen - USGS, Vernal

Lynn Hall - BIA, Fort Duchesne

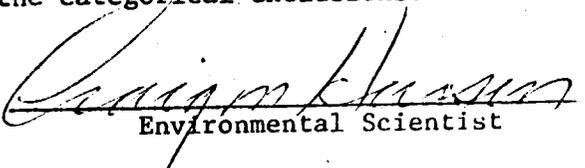
Ed Taylor - Belco Petroleum

Related Environmental Documents: _____

I have reviewed the proposal in accordance with the categorical exclusion review guidelines. This proposal would not involve any significant effects and, therefore, does not represent an exception to the categorical exclusions.

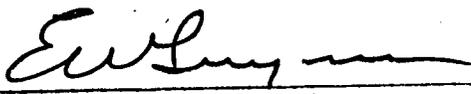
December 1, 1980

Date Prepared


Environmental Scientist

I concur

12/11/80
Date


District Supervisor

Typing In 12-1-80 Typing Out 12-2-80

CATEGORICAL EXCLUSION REVIEW COMMON REFERENCE LEGEND

1. Surface Management Agency Input
2. Reviews Reports, or information received from Geological Survey
(Conservation Division, Geological Division, Water Resource Division,
Topographic Division)
3. Lease Stipulations/Terms
4. Application Permit to Drill
5. Operator Correspondence
6. Field Observation
7. Private Rehabilitation Agreement

BELCO #41-8 GR DUCK CREEK

1. Access road will enter from northwest corner of location on existing road to north.
2. Paint tanks to blend in with natural surroundings.
3. Diversion ditch will be built on west edge of location.



Belco 41-8

north.

STIPULATIONS FOR LANDS IN OIL SHALE WITHDRAWAL,
EXECUTIVE ORDER 5327 OF APRIL 15, 1930

The lessee under the above oil and gas lease hereby agrees that the following agreement and stipulations are by this reference incorporated as terms and conditions of said lease as to the following lands:

All the lands in the lease.

The lessee agrees that:

1. No wells will be drilled for oil or gas except upon approval of the Area Oil and Gas Supervisor of the Geological Survey, it being understood that drilling will be permitted only in the event that it is established to the satisfaction of the Supervisor that such drilling will not interfere with the mining and recovery of oil shale deposits or the extraction of shale oil by in situ methods or that the interest of the United States would best be served thereby.
2. No wells will be drilled for oil or gas at a location which, in the opinion of the Area Oil and Gas Supervisor of the Geological Survey, would result in undue waste of oil shale deposits or constitute a hazard to or unduly interfere with mining or other operations being conducted for the mining and recovery of oil shale deposits or the extraction of shale oil by in situ methods.
3. When it is determined by the Area Oil and Gas Supervisor of the Geological Survey that unitization is necessary for orderly oil and gas development and proper protection of oil shale deposits, no well shall be drilled for oil or gas except pursuant to an approved unit plan.
4. The drilling or the abandonment of any well on this lease shall be done in accordance with applicable oil and gas operating regulations including such requirements as the Area Oil and Gas Supervisor of the Geological Survey may prescribe as necessary to prevent the infiltration of oil, gas or water into formations containing oil shale deposits or into mines or workings being utilized in the extraction of such deposits.

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

TO : DISTRICT ENGINEER, , SALT LAKE CITY, UTAH

SUBJECT: APD MINERAL EVALUATION REPORT

LEASE NO. U-13353

OPERATOR: Belco Petroleum

WELL NO. 41-8 GR

LOCATION: C ½ SE ½ NE ½ sec. 8, T. 9S., R. 20E., SLM

Uintah County, Utah

1. Stratigraphy: Operator tops seem reasonable

Uintah surface	
Green River	1940'
"J" zone	4100'
<u>TD</u>	<u>5420'</u>

2. Fresh Water:

Fresh water can be expected in the first 500' of the Uintah.
Useable to saline water may occur in aquifers within the
Green River to 3000'.

3. Leasable Minerals:

Oil shale in the Green River. Mahogany zone should
occur at 1900' and is 90' thick.

Gilsonite veins occur in the area.

Saline minerals may occur in an 800' interval
immediately above the Mahogany.

4. Additional Logs Needed: Adequate

5. Potential Geologic Hazards: None expected

6. References and Remarks:

Signature: Gregory W. Wood

Date: 11 - 1 - 80

Utah and Ouray Navy
Environmental Analysis and Negative Declaration

1. Description of Proposal:

Belco Petroleum Corporation proposes to drill an Oil well #41-8GR to a proposed depth of 5420 feet; to construct approximately 0.1 miles of new access road; and upgrade approximately None miles of existing access road. The well site is located approximately 3 miles south of Ouray, Utah in the SENE, Sec. 8, T 9S, R 20E, USB&M

2. Description of the Environment:

The area is used for grazing, habitat for wildlife, hunting, scenic, oil and gas-drilling and production. The topography is gently sloping alluvial fan from nearby shade hills. The vegetation consists of a sparse cover of stunted greasewood brush, rabbit brush, annual weeds.

The area is used as wildlife habitat for X deer, X antelope, 0 elk, 0 bear, X small animals, 0 pheasant, X dove, 0 sage grouse, 0 ruffle grouse, 0 blue grouse, 0 bald eagle, X golden eagle, other raptors, magpies, rabbits badgers, small reptiles and various bird species. The climate is characterized by having cold snowy winters and warm dry summers. Temperatures range from -40°F during the winter to 105°F in the summer. The approximate annual precipitation is 6-8 inches. The elevation is 4734 feet.

3. Environmental Impacts:

During construction of the well dust and exhaust emissions will affect air quality. Soil and vegetation will be removed from 3,5 acres of land occupied by the well site and access road. The disturbance of the soil and removal of vegetation will:

A. Destroy wildlife habitat for: 0 deer, X antelope, 0 elk, 0 bear, X small mammals, 0 pheasant, X dove, 0 sage grouse, 0 ruffle grouse, 0 blue grouse, X rabbit, 0 golden eagle, 0 bald eagle, other _____

B. Remove from production: X rangeland for livestock grazing, 0 irrigated cropland, 0 irrigated pastureland, 0 prime timberland, 0 pinion-juniper land.

C. Result in the invasion of annual weeds and will cause accelerated soil erosion: During the construction and production of the well human activity in the area will increase significantly. This is expected to significantly increase; X poaching of wildlife, X disturbance of wildlife, X vandalism of property, 0 theft of firewood, X litter accumulations, X livestock disturbance, X livestock thefts, X livestock loss to accidents, X increase the hazard to public health and safety. There is a high, moderate, X slight possibility that pollution from this activity will enter a stream or lake.

Production facilities can easily be seen from a: 0 community, 0 major highway, 0 public facility.

4. Mitigating measures:

To lessen the impact on the environment the provisions stipulated in the letter to Mr. Ed W. Gynn, District Engineer, U.S. Geological Survey, dated February 13, 1980 will be implemented. Additional stipulations and changes to the 11 point surface use plan are: as contained in USGS EA#039-81



United States Department of the Interior

GEOLOGICAL SURVEY
Conservation Division
8440 Federal Building
Salt Lake City, Utah 84138

RECEIVED

OCT 31 1980

OFFICE OF
AREA OIL SHALE SUPERVISOR

Mr. Peter Rutledge, A.S.
Area Oil Shale Supervisor
Area Oil Shale Office
131 North Sixth, Suite 300
Grand Junction, Colorado 81501

Belco Petroleum Corp.
#41-86R
8-9S-20E
Uintah County, UT
U-13353
EA# 039-81

Dear Mr. Rutledge,

The Office of Oil and Gas Operations, Conservation Division, received the attached Application for Permit to Drill, Deepen, or Plug Back (Form 9-331C).

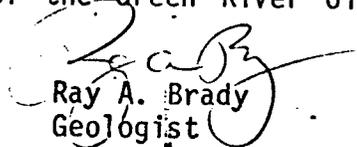
Please review this proposal for any conflict with any of the resources in the oil shale tracts and withdrawal areas. If needed, set forth the stipulations you determine necessary for adequate protection. Please use the following space for your response (if there is none, so state), together with date and initials of person responsible and return to the Office of Oil and Gas Operations.

U.S. Geological Survey
8440 Federal Building
125 South State Street
Salt Lake City, Utah 84138

Belco 41-8GR
Sec. 8, T9S, R20E

November 7, 1980

Proposed casing and cementing program indicates that cement volumes will be adequate to cover an interval 200' above the uppermost hydrocarbon zones. These volumes and interval considered should be revised, as necessary, to insure protection through the top of the Green River oil shale section.


Ray A. Brady
Geologist

Memorandum

To: District Oil and Gas Engineer, Mr. Edward Guynn

From: Mining, Supervisor, Mr. Jackson W. Moffitt

Subject: Application for Permit to Drill (form 9-331c) Federal oil and gas lease No. U-13353 Well No. 41-8GR

1. The location appears potentially valuable for:
 - strip mining*
 - underground mining** *oil shale*
 - has no known potential.

2. The proposed area is
 - under a Federal lease for _____ under the jurisdiction of this office.
 - not under a Federal lease under the jurisdiction of this office.

3. Please request the operator to furnish resistivity, density, Gamma-Ray, or other appropriate electric logs covering all formations containing potentially valuable minerals subject to the Mineral Leasing Act of 1920.

*If location has strip mining potential:

Surface casing should be set to at least 50 feet below the lowest strip minable zone at _____ and cemented to surface. Upon abandonment, a 300-foot cement plug should be set immediately below the base of the minable zone.

**If location has underground mining potential:

The minable zones should be isolated with cement from a point 100 feet below the formation to 100 feet above the formation. Water-bearing horizons should be cemented in like manner. Except for salines or water-bearing horizons with potential for mixing aquifers, a depth of 4,000 feet has been deemed the lowest limit for cementing.

Signed *Allen J. Vance*

5. Unavoidable adverse effects:

None of the adverse effects listed in item #3 above can be avoided in a practical manner except those which were mitigated in item #4 above.

6. Relationship between short term and longterm productivity:

As long as oil or gas wells are producing and the access roads are retained there will be a total loss of production on the land and the Environmental Impacts will continue to affect the surrounding area. Normally oil and gas wells produce from 15 to 30 years. After the wells stop producing it is standard policy to restore the surface to near its original condition. Occasionally the site occupied by the well or road can be restored to produce as much as it originally produced, but most of the time it can not be restored to its original productive capacity. Therefore, the land surface productive ability will be permanently damaged.

7. Irreversible and Irretrievable commitment of Natural Resources:

There are two irreversible and irretrievable resources commit in this action.

A. Oil or Gas: Oil and gas is a non-renewable resource. Once it has been removed it can never be replaced.

B. Damage to the land surface: There are three causes of damage to the soil surface due to oil or gas wells and road construction. (1) Gravel is normally hauled onto the site as a pad foundation for equipment and traffic to operate on. Gravel has low fertility and low waterholding capacity. Therefore, after the site is restored the gravel must either be removed, or incorporated into the natural landscape. (2) Chemicals are often either accidentally spilled or intentionally applied to the site for weed and dust control. Generally the chemicals are crude oil or production water, which may contain as much as 20,000 PPM of salts. Once chemicals become incorporated in the soil they are difficult to remove and interfere with the soils ability to produce vegetation. (3) Soil compaction occurs where the site is subject to stormy wet weather and traffic from heavy trucks and equipment. Each of the above items cause soil damage and after the site is restored the productive ability of the soil will be damaged permanently.

8. Alternatives:

A. No. program - This alternative refuses the authorization of the application for permit to drill. This action would not allow the operator to enter upon the land surface to drill for oil or gas. Because the minerals usually cannot be developed without encroachment on the surface, the mineral estate is normally and traditionally designated as dominant, and the surface ownership subservient. The mineral operator's conduct is generally prescribed only by the rule of reasonableness and the limitations that he is not permitted to act in a wanton or negligent manner. Within their confines, the operator has considerable latitude in the necessary use of the surface to produce and develop the mineral estate. Therefore if the application for permit is not signed, the operator would undoubtedly initiate court proceedings against the surface owner, in this case the Ute Tribe and the Bureau of Indian Affairs. Historically the courts have upheld the right of the mineral owner to develop the mineral resource regardless of the surface owners desire, therefore the operators rights will likely be upheld if B.I.A. refuses to sign the application for permit to drill this well.

B. Sign the application for permit to drill. This alternative authorizes the operator to drill for oil or gas as prescribed in the application, providing he complies with stipulations which are considered reasonable as specified in paragraph 4 above under mitigating measures.

9. Consultation:

Craig Hansen - USGS - Vernal, Utah

Ed Taylor - Belco Petroleum Corp.

R. Lynn Hall 11-28-80
B.I.A. Representative

10. We (concur with or, recommend) approval of the Application for Permit to Drill the subject well.

Based on available information 11-25-80, we have cleared the proposed location in the following areas of environmental impact:

Yes No Listed threatened or endangered species

Yes No Critical wildlife habitat

Yes No Historical or cultural resources

Yes No Air quality aspects (to be used only if project is in or adjacent to a Class I area of attainment)

Yes No Other (if necessary)

Remarks: _____

The necessary surface protection and rehabilitation requirements are specified above.

Ownership

Surface - Ute Tribe

Sub-surface - Non-Indian

R. Lynn Hall 11-28-80
B.I.X. Representative

11. Declaration:

It has been determined that the drilling of the above well is not a Federal action significantly affecting the quality of the environment as would require the preparation of an environmental statement in accordance with Section 102 (2) (c) of the National Environmental Policy Act of 1969 (42 USC 4331) (2) (c).

L.W. Collins
Superintendent

10 POINT PROGRAM
DUCK CREEK 41-8GR
SECTION 8, T9S, R20E
UINTAH COUNTY, UTAH

10 POINT PROGRAM

1. The geological name for the surface formation is the Uinta Formation of the Upper Eocene Age.
2. The estimated tops of important geological markers with depths calculated from an estimated KB elevation of 4745' are as follows:

Green River	1938'
Est. J Zone	4100'
Total Depth	5420
3. It is anticipated that the Green River formation may contain oil.
4. The proposed casing program for completion of this well will consist of 5 1/2" 17 # new K-55 casing; 200' of 9 5/8" 36# new K-55 surface casing will be run.
5. The operators minimum specifications for pressure control equipment are as follows:

10", 3000 PSI hydraulic doublegate BOP. Pressure tests of BOP to 1000# will be made prior to drilling surface plug and on each trip for bit.
6. It is proposed that the hole will be drilled to the top of the J zone of the Green River formation with 3% KCL water as necessary in order to clean the hole. From the top of the J zone to Total Depth it is planned to drill the well with mud. The mud system will be a water based, gel-chemical weighted to 10.5 ppg, or as necessary for gas control.
7. Auxiliary equipment to be used will be a 2", 3000 PSI choke manifold and kill line, kelly cock, stabbing valve and visual mud monitoring.
8. No coring or drill stem testing has been scheduled for this well. The logging will consist of DIL, CNL, FDC and Gamma Ray with caliper.
9. It is not anticipated that abnormal pressures or temperatures will be encountered nor that any other abnormal hazards such as H₂S gas will be encountered in this area.
10. It is anticipated that this well will be commenced approximately December 15, 1980 and that the operations will last two weeks.

13 Point Surface Use Plan

Duck Creek #41-8GR

Sec. 8, T9S, R20E

Uintah County, Utah

1. EXISTING ROADS

- A. For the location of the proposed well and the existing roads, see the attached Topographic Maps "A" and "B". The proposed well is located approximately 3 miles South of Ouray, Utah.
- B. The proposed location is approximately 3 miles South of Ouray, Utah. To reach the location, take the county road approximately 2.9 miles South of Ouray. The well location and proposed access route are located in Section 8 Township 9S and Range 20E.
- C. The proposed route is outlined on Topographic Map "B".
- D. See Topographic Map "B".
- E. Not applicable.
- F. Access to the well site will be over existing county roads. The proposed access road will be crowned and ditched so as to accommodate rig traffic. See Topo Map "B" for details of the access road.

2. PLANNED ACCESS ROADS

See attached Topographic Map "B".

The planned access road (total length) will be approximately 530' feet in length and will comply with the general specifications as outlined.

- (1) The proposed access road will be a 32 foot crown road usable 16 feet on either side of the centerline, with drain ditches along either side of the proposed road where it is determined necessary in order to handle any run off from any normal weather conditions that are prevalent to this area.
- (2) The maximum grade of the proposed access road will be 4 %, but will not exceed this amount.
- (3) No turnouts are planned for the length of the proposed access road, so that additional cut disturbance on the proposed access can be kept to a minimum. Line of sight vision is such that turnouts are not necessary.
- (4) Drainage design of the proposed access road will avoid unnecessary disturbance of natural runoff patterns. Drainage will be implemented so as not to cause siltation or accumulation of debris.
- (5) Surfacing material shall be the native borrow material from the cut areas and will be used to stabilize the road surface and location. No other material for construction is anticipated.
- (6) No fences will be crossed in order to access the proposed location; no cattle guard will be needed.

- (7) The road has been center-line flagged for the full distance of the proposed route.

3. LOCATION OF EXISTING WELLS (Within one mile of this location)

- (1) Water Wells- None
- (2) Abandoned Wells-None
- (3) Temporarily abandoned Wells-None
- (4) Disposal Wells-None
- (5) Drilling Wells-None
- (6) Producing Wells-None
- (7) Shut in Wells-None
- (8) Injection Wells-None
- (9) Monitoring Wells - None

4. LOCATION OF EXISTING AND PROPOSED FACILITIES

- A. Existing production facilities located within one mile of the proposed well are:

- (1) Tank batteries-None
- (2) Production facilities-None
- (3) Oil gathering lines-none
- (4) Gas gathering lines-none
- (5) There are no injection lines in the area.
- (6) There are no disposal lines in the area.

(7) There are approximately 7 proposed wells in this area. There are no known gas lines in the immediate area at this time.

- B. The attached diagram "A" shows the proposed production facilities that will be utilized in the event this well produces oil. All production facilities will be kept on the pad.

Construction materials will be native borrow or cut exposed on the site, and will be consistent with accepted oil field standards and good engineering practices.

A three strand barbed wire fence will be constructed and maintained around any disposal pits during the drilling and completion phase of the well. When these pits are no longer needed or within 90 days, they will be covered over with native borrow material and rehabilitated to conform with the provisions of the rehabilitation agreement of BIA standards.

Guard rails will be constructed around the wellhead to prevent access to livestock or wildlife

Rehabilitation of the pits is discussed above. The remaining pad not used for producing operations will be recontoured to conform with the natural grade and covered with topsoil saved on the site. This area will be reseeded as per BIA specifications.

5. LOCATION AND TYPE OF WATER SUPPLY

- A. Water to be used to drill this well will be hauled by truck from the White River. Access point for the water will be near the White River bridge in Section 4, T9S, R20E, Uintah County, Utah. Permit for this water will be purchased from the Bureau of Indian Affairs, prior to the drilling operations.
- B. Water will be hauled by truck (Liquid Transport of Duchesne, PSC # 1969) on the above described access route. See access route on Topo Map "B". No new roads or pipelines will be needed for this purpose.
- C. No water well will be drilled.

6. SOURCE OF CONSTRUCTION MATERIALS

- A. All construction materials for this location site and access road shall be native borrow rock and soil accumulated during the construction. No additional road gravel or pit lining materials are anticipated at this time, but if they are required, appropriate action will be taken to acquire them from private sources after notification is given to the proper regulatory agencies.
- B. Items described in part "A" are from BIA regulated lands.
- C. See part "A".
- D. No other access roads are required other than described in Item 2.

7. METHODS OF HANDLING WASTE DISPOSAL

- A. Drill cuttings, drilling fluids, salts, chemicals and produced fluids will be disposed of in the reserve pit on the location pad.
- B. See "A" above for disposal of drilling fluids.
- C. See "A" above for disposal of produced water.
- D. A portable chemical toilet will be provided for human waste during the drilling phase.
- E. Garbage and other waste materials will be contained in a wire mesh cage and then disposed of in an approved waste disposal facility.

- F. Immediately after the drilling rig moves off the location, the remaining trash and garbage will be collected, and hauled away by truck. The reserve pit will be fenced on the open side to protect domestic animals and wildlife. This pit will be utilized during the completion and testing phase of the well for storage of produced fluids.

8. ANCILLARY FACILITIES

No airstrips or camps are planned for this well.

9. WELL SITE LAYOUT

See attached Location Layout sheet which shows the following items:

- A. Cross section of the pad showing details of the cuts and fills.
- B. Location of the reserve pits, pipe racks, living facilities and topsoil stockpile and excess "cut" stockpile.
- C. Rig orientation, parking areas and access road.
- D. Pits will be lined to conserve water and will be fenced on the fourth side at the completion of operations. Proper NTL-2B notices will be filed if well produces water.

10. PLANS FOR RESTORATION OF SURFACE

In the event of a dry hole, pits will be allowed to dry and will then be backfilled and waste pits will be back filled. The location will be restored to as near the original contour as feasible and then reseeded.

- (1) Upon completion of the testing phase of the well, the areas not needed for access to the well and used for producing operations shall be filled and recontoured to blend with the surrounding topography and the stockpiled soil redistributed over the unused disturbed area. After final plugging and abandonment of the well, the entire disturbed area will be contoured and topsoil spread over any previously disturbed area.
- (2) The revegetation of the drill site area and access not needed to carry on production operations will be reseeded with a seed mixture recommended by the BIA. It will be performed at a time of the year when the moisture content of the soil is adequate for germination. The Lessee agrees that all of the clean up and restoration activities shall be done in a diligent and timely manner and in conformity with the above mentioned items 7 and 10 (1).
- (3) All pits will be fenced prior to disposal of any waste material and the open side of the reserve pit will be fenced before removing the rig from location. The fences will be maintained in good condition until Item (1) is started.
- (4) Any oil or condensate on any temporary pit will be removed in a timely manner. Overhead flagging or netting will be

installed on any sump pit used to handle well fluids during the producing life of the well.

- (5) Restoration activities shall begin within 90 days after the completion of the well. Once completion activities have begun, they shall be completed within 30 days. All wellhead and surface equipment will be painted to blend with the environment, according to BIA specifications.

11. OTHER INFORMATION

Topography of the general area is relatively flat rolling terrain consisting of clay and stabilized sand dunes.

Vegetation in the area consists of four-wing saltbrush, tumbleweed, cotton horn horsebrush, spiny hop sage, curly grass, matchweed, greasewood, and a sparse population of Indian ricegrass.

Wildlife consists of reptiles, small rodents and birds.

Livestock grazing and mineral exploration are the only surface use activities in the area. All lands involved with this location are controlled by the BIA.

There is no water in the immediate vicinity of this location. No occupied dwellings or known archeological or cultural sites are in the area of this location.

12. Belco Petroleum Corporation's representative for this operation will be Mr. J. C. Ball, District Engineer, P. O. Box X, Vernal, Utah 84078, telephone 1-801-789-0790.

13. CERTIFICATION

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

DATE October 15, 1980



J. C. Ball

District Engineer

BUREAU OF INDIAN AFFAIRS
ADDITIONAL PROVISIONS TO THE SURFACE USE AND OPERATING PLAN

WELL NAME: Duck Creek 41-8GR

LOCATION: Section 8, T9S, R20E, Uintah County, Utah

1. FIREARMS:

Employees of Belco Petroleum Corporation, its contractors and sub-contractors have been instructed not to carry firearms on the Uintah and Ouray Indian Reservation.

2. OFF ROAD TRAFFIC:

Employees of Belco Petroleum Corporation, its contractors, and sub-contractors have been instructed to remain only on established roads and well sites.

3. FIREWOOD:

Employees of Belco Petroleum Corporation, its contractors and sub-contractors have been notified of the requirements of the Bureau of Indian Affairs to obtain a wood permit from the Forestry Section before gathering any wood on the Uintah and Ouray Indian Reservation.

4. RESTORATION:

All topsoil will be stripped and stockpiled. When all drilling and production activities end or if abandonment is required, the location site and access road will be reshaped to the original contour and stockpiled topsoil spread over the disturbed area. Any drainages re-routed during the construction activities shall be restored as near as possible to their original line of flow. Restoration activities shall begin when the pit is sufficiently dry. Once activities have been completed, the location site and access road shall be reseeded with a seed mixture recommended by the Bureau of Indian Affairs when the moisture content of the soil is adequate for seed germination.

5. DISPOSAL OF PRODUCED WATERS:

No produced water is anticipated. However, if water is produced, Belco Petroleum Corporation will comply with all requirements of NTL-2B.

6. SIGNS:

A sign stating the following shall be placed on the access road to the location site:

AUTHORIZED PERSONNEL ONLY
BELCO PETROLEUM CORPORATION
WELL IDENTIFICATION
FIREARMS ARE PROHIBITED
THIS LAND IS OWNED BY THE UINTAH
AND OURAY INDIAN RESERVATION
PERMITS TO CUT FIREWOOD MUST BE OBTAINED
FROM THE BIA FORESTRY SECTION PRIOR TO
CUTTING OR GATHERING ANY WOOD ALONG THIS ROAD.

7. RIGHTS OF WAYS:

Right-of-way and damages will be paid as per the re-survey by Uintah Engineering and their affidavit of completion.

8. PERMITS FOR WATER OR EARTH FILL:

Water for this operation will be obtained from the White River, near the White River bridge in Section 4, T9S, R20E. Permit for water will be purchased before the drilling operations commence.

9. WEED CONTROL:

Belco Petroleum Corporation will initiate a plan for controlling noxious weeds alongside the location and road in accordance with BIA specifications.

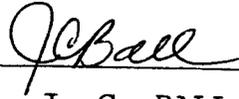
10. LITTER:

All litter will be contained in a trash cage and removed from the location at the end of drilling and completion activities. The area will be groomed and cleaned before removal of the cage.

11. BENCH MARKS:

A Bench Mark will be established near the well site, set in concrete with a brass cap showing the well number and the elevation of the site.

DATE: October 15, 1980



J. C. BALL
DISTRICT ENGINEER

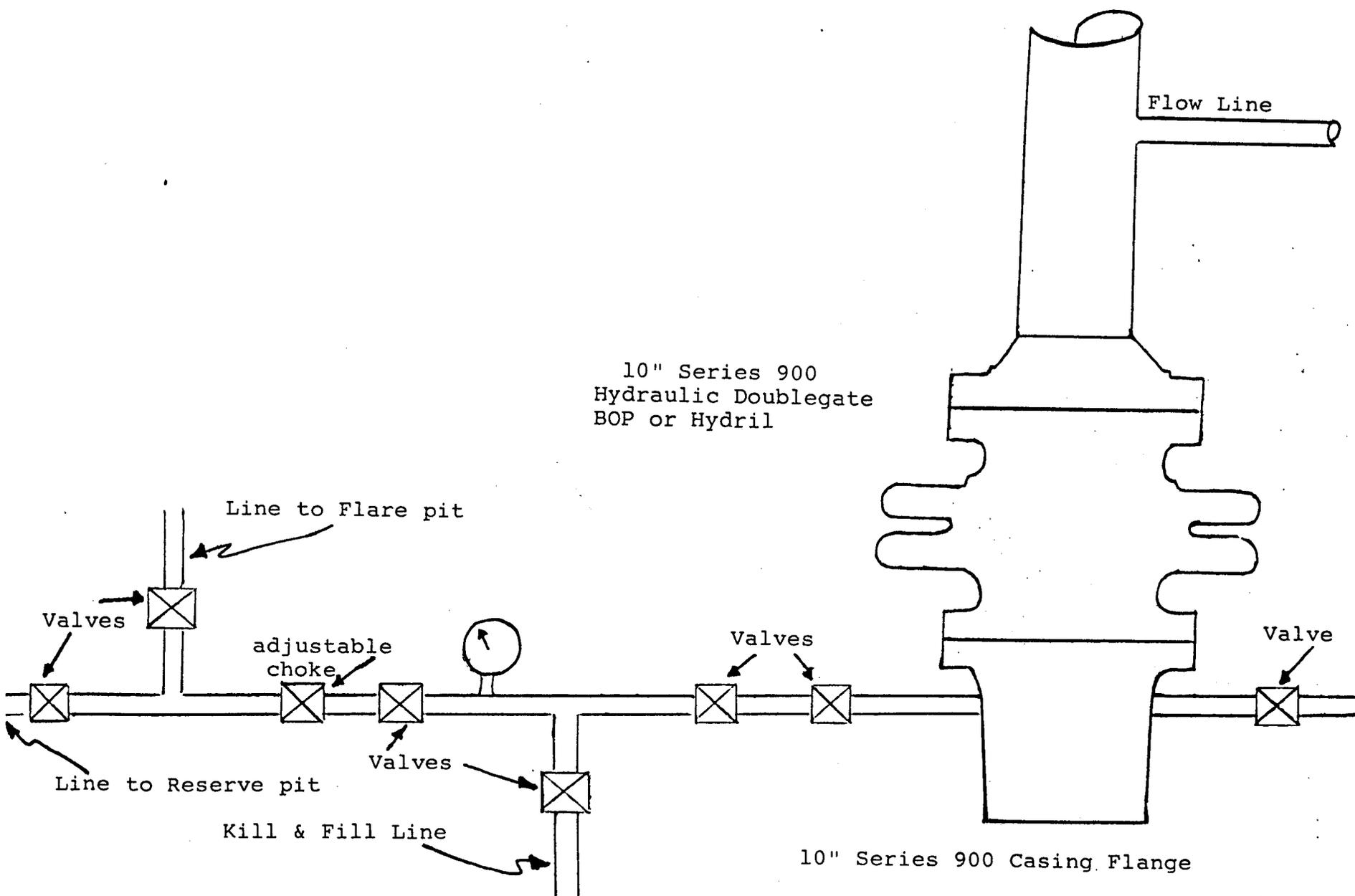
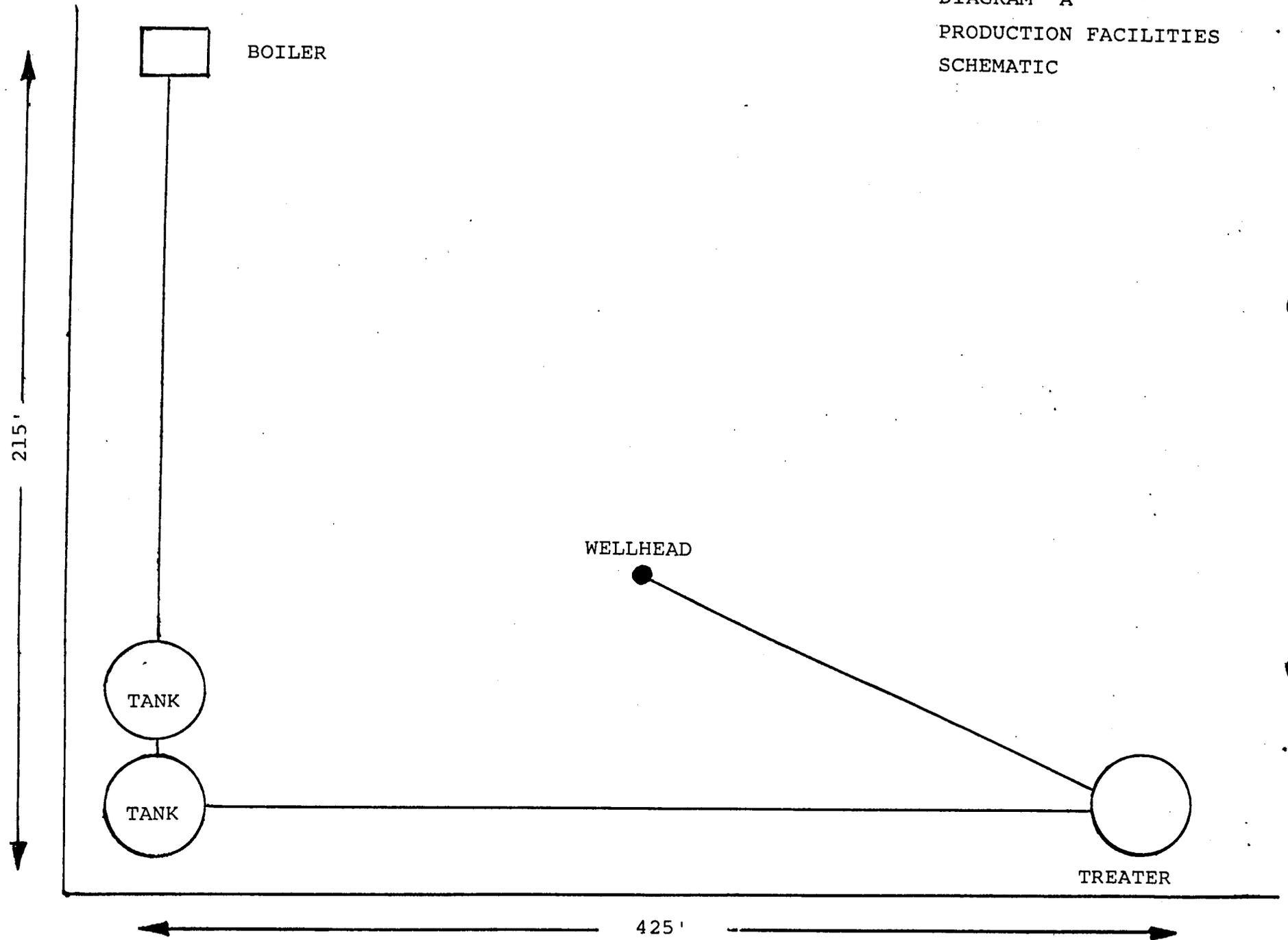


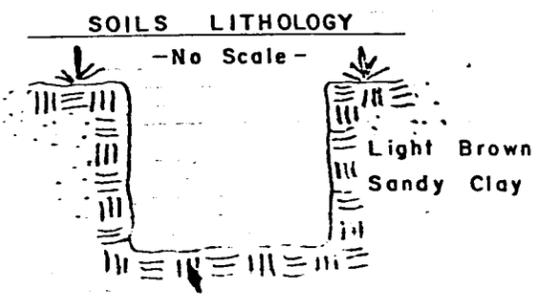
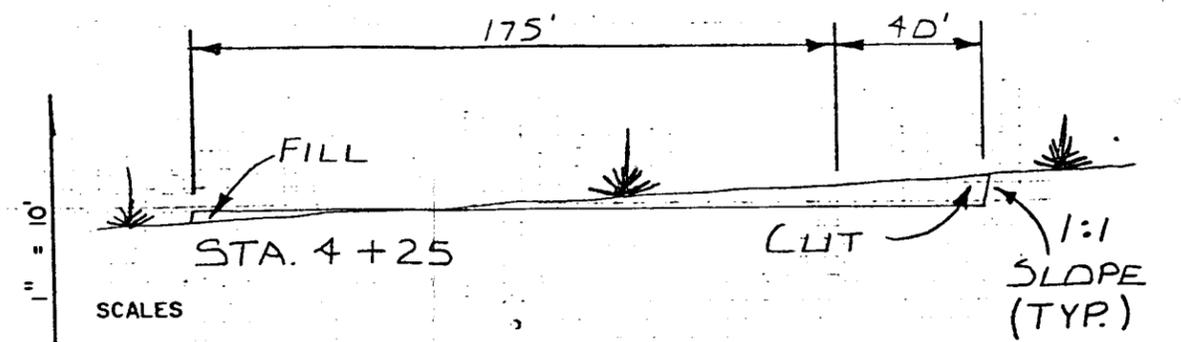
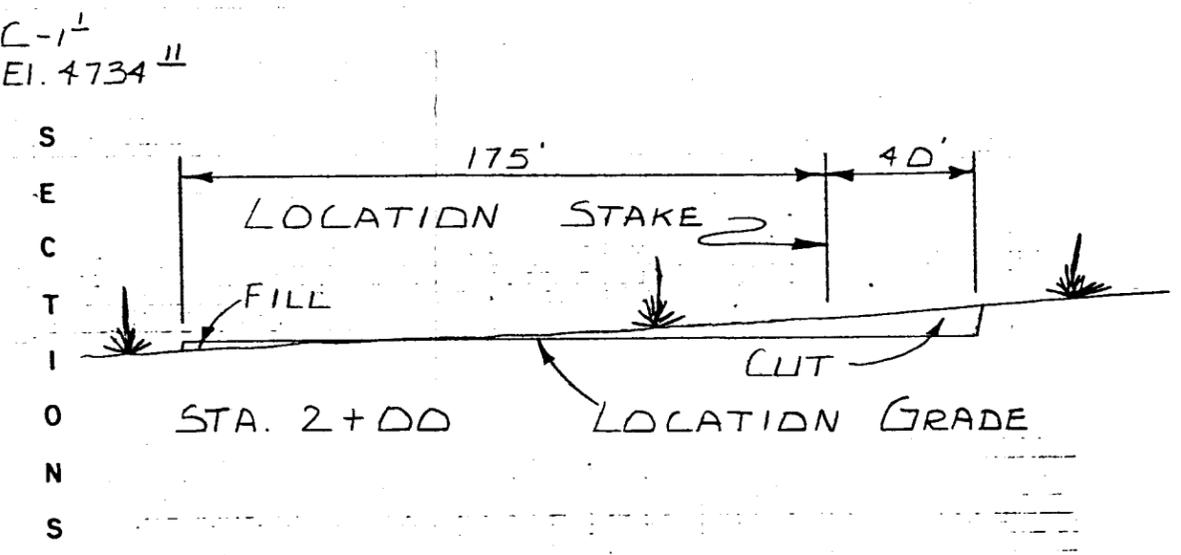
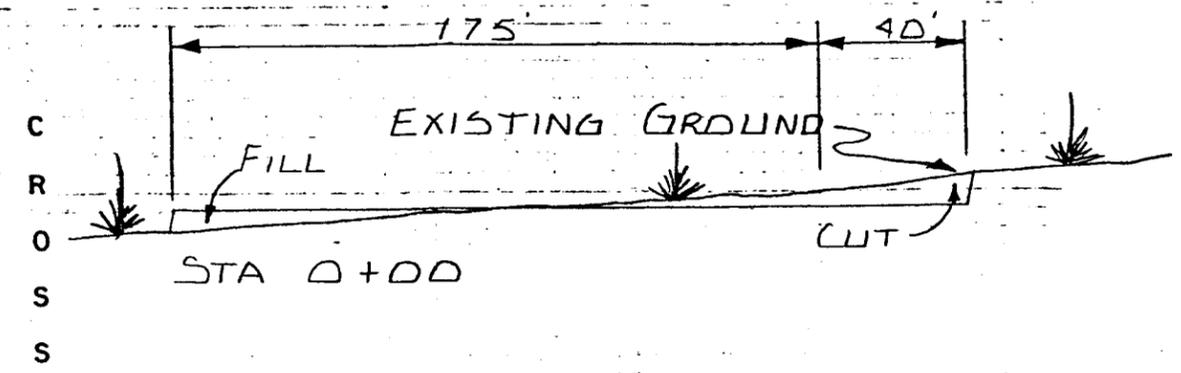
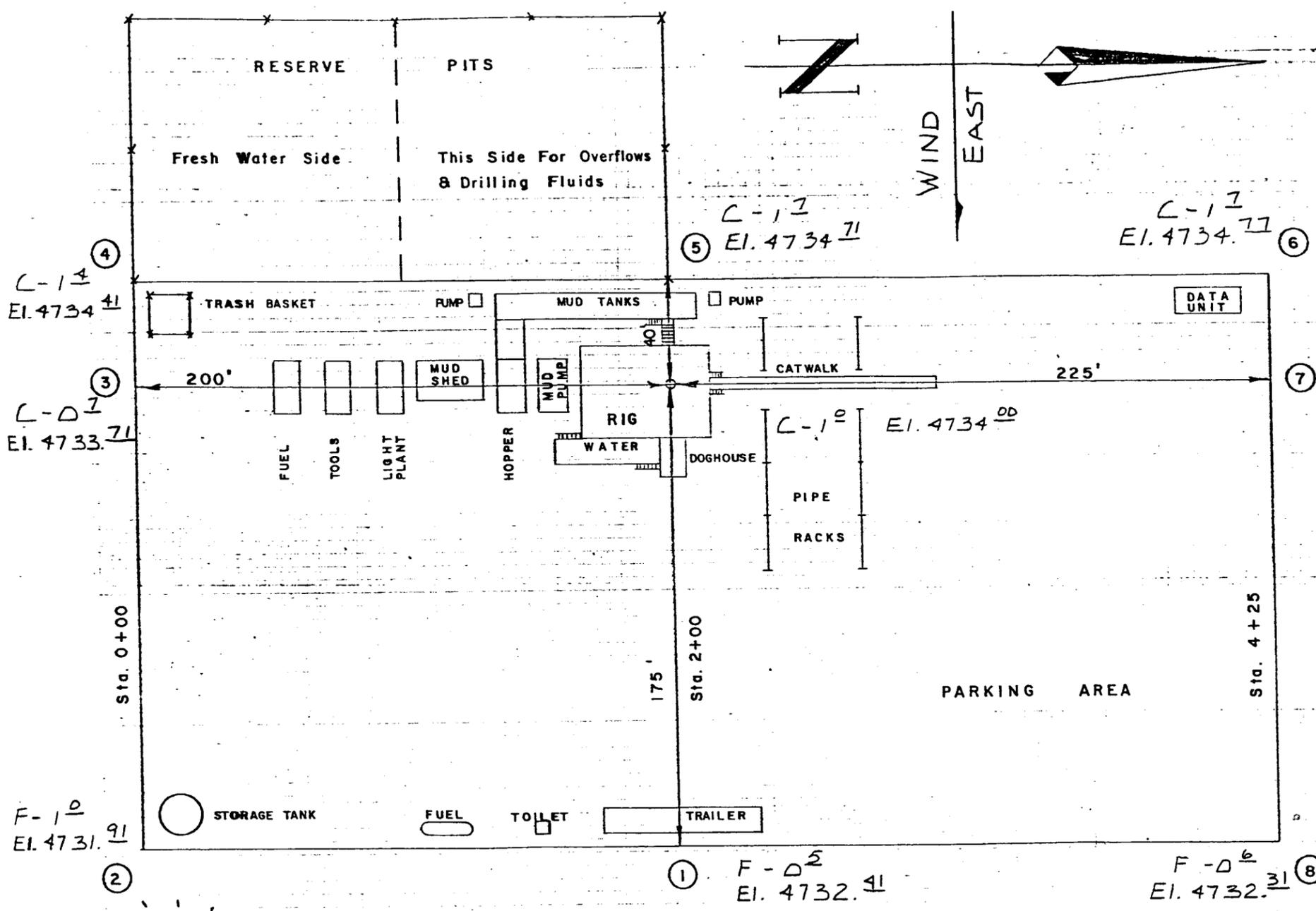
DIAGRAM "A"
PRODUCTION FACILITIES
SCHEMATIC



SCALE : 1" = 50'

BELCO PETROLEUM CORP.

DUCK CREEK # 41-8 GR.



SCALES

1" = 50'

APPROXIMATE YARDAGES

Cubic Yards Cut - 1,619

Cubic Yards Fill - 466

35

BELCO PETROLEUM CORP. PROPOSED LOCATION DUCK CREEK #41-8GR

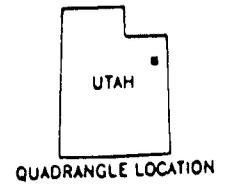
TOPO. MAP "B"



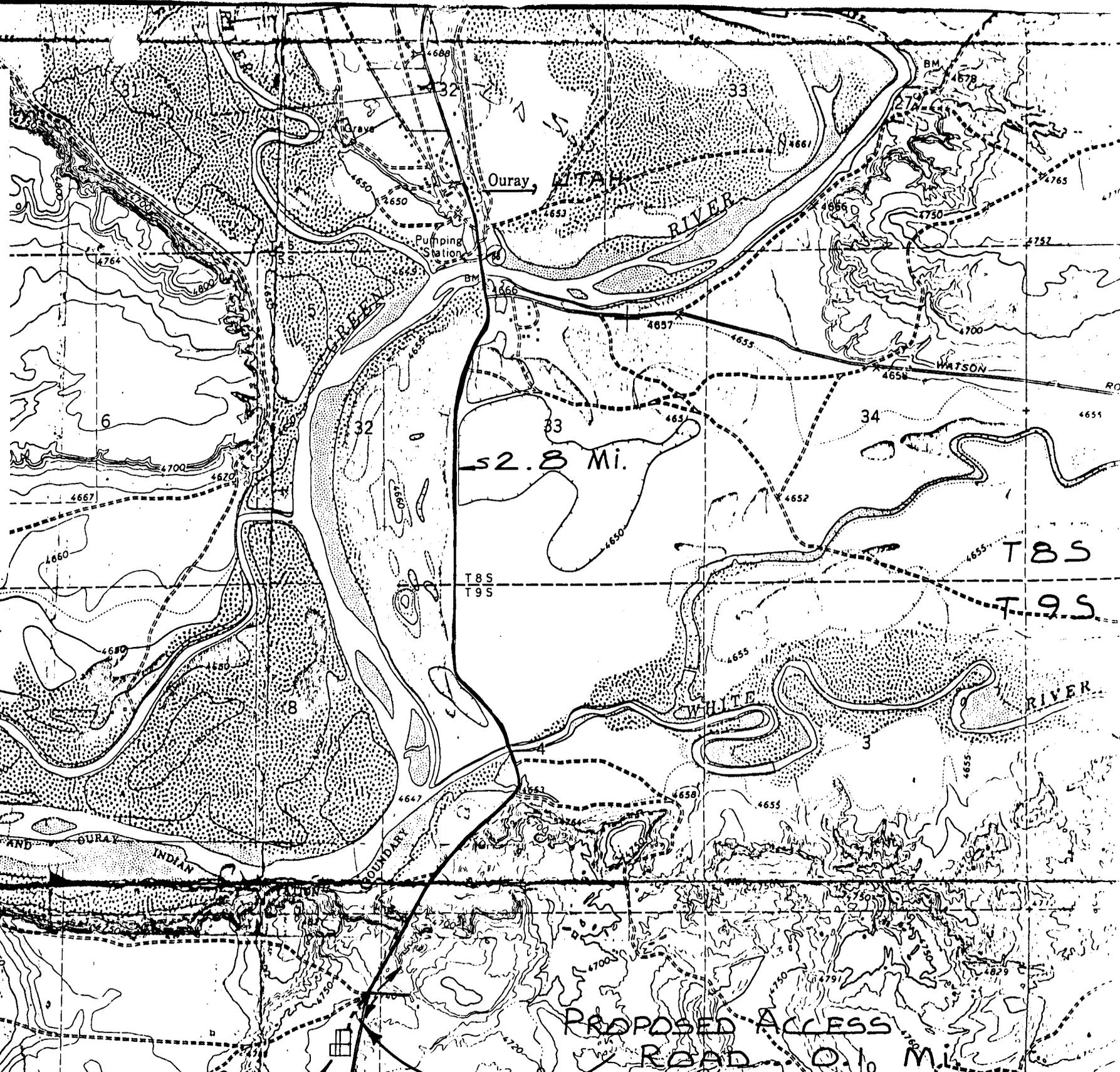
SCALE - 1" = 5000'

ROAD CLASSIFICATION

Light-duty ——— Unimproved dirt - - - - -



QUADRANGLE LOCATION



52.8 Mi.

T8S
T9S

T8S

T9S

PROPOSED ACCESS
ROAD 0.10 Mi.

RIVER

Tia Juana Bottom

OURAY AND OURAY INDIAN

BOUNDARY

WHITE RIVER

RIVER

Ouray

Pumping Station

WATSON

UTAH

Gaging Station

688

32

33

BM 4678

4765

4752

4660

4700

6

32

33

34

4655

4700

4620

4667

4652

4660

4680

4650

8

4647

4655

4655

4655

4675

4718

4700

4700

4750

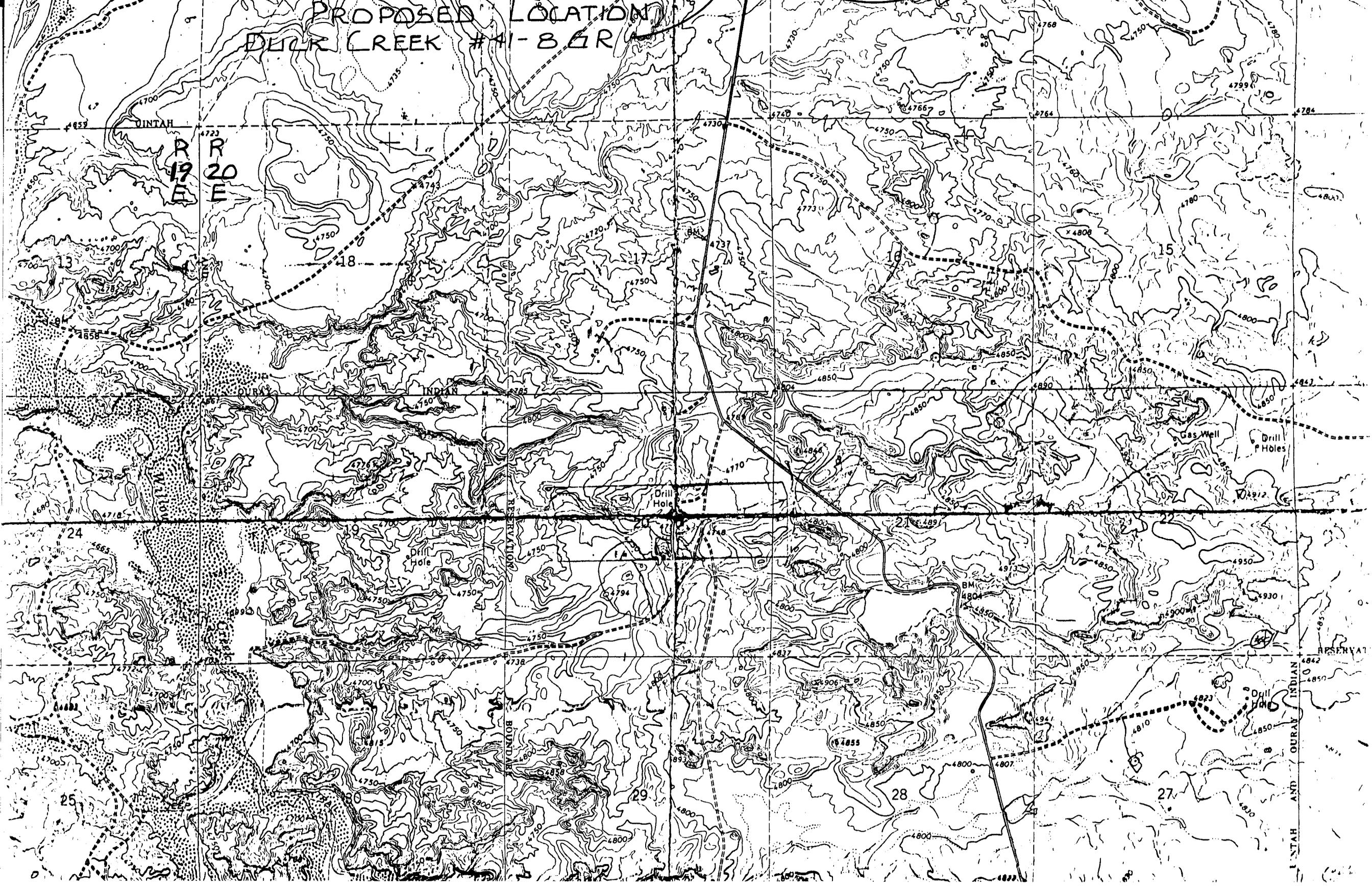
4779

4829

4650

4720

PROPOSED LOCATION DEER CREEK #4-8 AR



Belco Petroleum Corporation

Belco

October 15, 1980

Mr. E. W. Gynn-District Engineer
United States Geological Survey
2000 Administration Building
1745 West 1700 South
Salt Lake City, Utah 84104

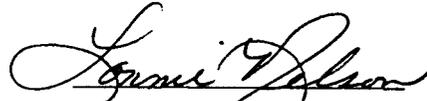
RE: Duck Creek 41-8GR
Sec. 8, T9S, R20E
Uintah County, Utah

Dear Sir;

Attached please find the original and two copies of the Application for Permit to Drill for the subject well.

Also attached are the Surface Use Program, 10 Point Program, BOP design, production facilities schematic, location layout, location plat and topographic maps "A" and "B".

Very truly yours,
BELCO PETROLEUM CORPORATION



Lonnie Nelson
Engineering Clerk

RECEIVED

Attachments

xc: **Division of Oil, Gas and Mining**
Ute-Tribe
Houston
Denver
file

OCT 20 1980

DIVISION OF
OIL, GAS & MINING

** FILE NOTATIONS **

DATE: Oct. 29, 1980

OPERATOR: Belco Petroleum Corp.

WELL NO: Duck Creek 41-8GR

Location: Sec. 8 T. 9S R. 20E County: Wintah

File Prepared:

Entered on N.I.D:

Card Indexed:

Completion Sheet:

API Number 43-047-30807

CHECKED BY:

Petroleum Engineer: _____

Director: OK under Rule C-3

Administrative Aide: _____

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 Fed.

Plotted on Map

Approval Letter Written

Hot Line

P.I.

October 29, 1980

Belco Petroleum Corporation
P. O. Box X
Vernal, Utah 84078

Re: Well No. Duck Creek 41-8GR
Sec. 8, T. 9S, R. 20E,
Uintah County, Utah

Insofar as this office is concerned, approval to drill the above referred to oil is hereby granted in accordance with Rule C-3, General Rules and Regulations and Rules of Practice and Procedure.

Should you determine that it will be necessary to plug and abandon this well, you are hereby requested to immediately notify the following:

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

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 number assigned to this well is 43-047-30807.

Sincerely,

DIVISION OF OIL, GAS, AND MINING

Cleon B. Feight
Cleon B. Feight
Director

/ka
cc: USGS

**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
BELCO PETROLEUM CORPORATION

3. ADDRESS OF OPERATOR
P. O. BOX X, VERNAL, UTAH 84078

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 2185' FNL & 649' FEL SE $\frac{1}{4}$ NE $\frac{1}{4}$
AT TOP PROD. INTERVAL: N/A
AT TOTAL DEPTH: N/A

5. LEASE
U-13353

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

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
DUCK CREEK

9. WELL NO.
41-8GR

10. FIELD OR WILDCAT NAME
DUCK CREEK Green river

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Section 8, T9S R20E

12. COUNTY OR PARISH
Uintah

13. STATE
Utah

14. API NO.
43-047-30807

15. ELEVATIONS (SHOW DF, KDB, AND WD)
4734 Natural GL 4734' Prep GL

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

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

(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.)*

DATE & TIME SPUDDED: 12:00 noon, 1-20-81
 DRY HOLE SPUDDER: ALLWESTERN AIR DRLG.
 ROTARY RIG: JACOBS #2

Drl'd 12 1/4" hole to 199', ran 5 jts, 9 5/8", 36#, new K-55 surf csg and landed @ 196' GL. Cemented to surf w/200 ex class "G" cement.

Report of Spud called in to Teresa with USGS office in SLC, Utah 1-22-81 a.m.

Subsurface Safety Valve: Manu. and Type _____ Set @ _____ Ft.

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

SIGNED Lonnie Nelson TITLE Engineering Clerk DATE 1-22-81

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____
 CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

DIVISION OF
OIL, GAS & MINING

NOTICE OF SPUD

Belco
Pet.
Corp.

Caller: Lonnie

Phone: _____

Well Number: Duck Creek 41-8-GR

Location: SE NE 8-95-20E

County: Uintah State: Utah

Lease Number: 11-13353

Lease Expiration Date: 1-31-81

Unit Name (If Applicable): _____

Date & Time Spudded: 1-20-81 12:00pm

Dry Hole Spudder Rotary: All Western

Details of Spud (Hole, Casing, Cement, etc.) 12 1/4" hole to
199' ran 5 joints 9 5/8" casing, landed
casing 196' GL cut to surface
with 200 SXS. Class 6.

Rotary Rig Name & Number: ~~Belco~~ Jacobs #2

Approximate Date Rotary Moves In: 1-23-81

FOLLOW WITH SUNDRY NOTICE

Call Received By: JM

Date: 1-22-81

REC'D
JAN 24 1981
SAB & LAMING

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
BELCO PETROLEUM CORPORATION

3. ADDRESS OF OPERATOR
P. O. BOX X, VERNAL, UTAH

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 2185' FNL & 649' FEL SE/NE
AT TOP PROD. INTERVAL: SAME
AT TOTAL DEPTH: SAME

5. LEASE
U-13353

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

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
DUCK CREEK

9. WELL NO.
41-8GR

10. FIELD OR WILDCAT NAME
DUCK CREEK FIELD

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
SECTION 8, T9S, R20E

12. COUNTY OR PARISH
UINTAH

13. STATE
UTAH

14. API NO.
43-047-30807

15. ELEVATIONS (SHOW DF, KDB, AND WD)
4734' Prepared GL

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"/>		<input type="checkbox"/>
	WELL STATUS		

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

SPURRED - 1-20-81

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.)*

STATUS 1-31-81: Drilling, Depth: 4270'

Spurred 12 1/2" hole @ noon 1-20-81 with Allwestern Air Drlg. Ran 5 jts 9 5/8" surf casing and landed @ 196' GL. Jacobs Rig #2 started MI rotary tools 1-23-81. Drilling 8 3/4" hole from 196' to TD.

Anticipated TD: 5180'.

Subsurface Safety Valve: Manu. and Type _____ Set @ _____ Ft.

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

SIGNED: *[Signature]* TITLE ENG. CLERK DATE 2-2-81

(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
BELCO DEVELOPMENT CORPORATION

3. ADDRESS OF OPERATOR
P.O. BOX X, VERNAL, UTAH 84078

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 2185' FNL & 649' FEL SE/NE
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) WELL STATUS <input type="checkbox"/>	

5. LEASE
U-13353

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

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
DUCK CREEK

9. WELL NO.
41-8GR

10. FIELD OR WILDCAT NAME
DUCK CREEK

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
SECTION 8, T9S, R20E

12. COUNTY OR PARISH
UINTAH

13. STATE
UTAH

14. API NO.
43-047-30807

15. ELEVATIONS (SHOW DF, KDB, AND WD)
4734' Prepared GL

(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.)*

2-28-81 STATUS: IN PROCESS OF COMPLETION.

FINISHED DRILLING 8 3/4" HOLE FROM 196' TO TD. TD 5190'. RAN 5 1/2" PRODUCTION CASING AND LANDED @ 5190'. CEMENTED PRODUCTION CASING W/895 SX 50-50 POZMIX. RELEASED ROTARY RIG (JACOBS #2) 11:00 P.M. 2-5-81.

Subsurface Safety Valve: Manu. and Type _____ Set @ _____ Ft.

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

SIGNED L. K. NELSON TITLE ENG. CLERK DATE 3-2-81

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

UN STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLIC

(See instructions on reverse side)

Form approved.
Budget Bureau No. 42-R355.6.

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

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

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

2. NAME OF OPERATOR
BELCO DEVELOPMENT CORPORATION

3. ADDRESS OF OPERATOR
P. O. BOX X, VERNAL, UTAH 84078

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*
At surface 2185' FNL & 649' FEL SE/NE
At top prod. interval reported below SAME
At total depth SAME

5. LEASE DESIGNATION AND SERIAL NO.

U-13353

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

UTE TRIBE * SURFACE

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

DUCK CREEK

9. WELL NO.

41-8GR

10. FIELD AND POOL, OR WILDCAT

DUCK CREEK

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

SECTION 8, T9S, R20E

14. PERMIT NO. 43-047-30807 17. AGENCY OR COUNTY OR STATE UTAH



15. DATE SPUNDED 1-20-81 16. DATE T.D. REACHED 2-3-81 17. DATE COMPL. (Ready to prod.) 3-13-81 19. ELEV. CASINGHEAD 4736'

20. TOTAL DEPTH, MD & TVD 5190' 21. PLUG, BACK T.D., MD & TVD 5160' 22. IF MULTIPLE COMPL., HOW MANY* N/A 23. INTERVALS DRILLED BY 3-24-81 24. ROTARY TOOLS ALL 25. CABLE TOOLS -0-

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*
4999-5124' GREEN RIVER

DIVISION OF OIL, GAS & MINING

25. WAS DIRECTIONAL SURVEY MADE
NO

26. TYPE ELECTRIC AND OTHER LOGS RUN
DLL, CNL, FDC, GR w/caliper

27. WAS WELL CORED
NO

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

CASINO SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
9 5/8"	36#	196'	12 1/4"	200 sx to surf	None
5 1/2"	17#	5190'	8 3/4"	895 sx	None

29. LINER RECORD 30. TUBING RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2 7/8"	5156'	

31. PERFORATION RECORD (Interval, size and number)

5122-24' 3 hpf
5076-78' 3 hpf
5045-47' 2 hpf
5010-12' 2 hpf
4999-5001' 2 hpf

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
5124-5076'	14,200 gal tr fluid & 11,000# 20/40 & 3700# 10/20
5047-4999'	17,000 gal tr fluid & 12,000# 20/40 sd & 5000# 10/20

33.* PRODUCTION

DATE FIRST PRODUCTION 3-14-81 PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) Pumping WELL STATUS (Producing or shut-in) Producing

DATE OF TEST 3-19-81 HOURS TESTED 24 CHOKE SIZE PROD'N. FOR TEST PERIOD OIL—BBL. 40 GAS—MCF. 8 WATER—BBL. TSTM GAS-OIL RATIO 200 cf/bbl

FLOW. TUBING PRESS. 10 CASING PRESSURE 50 CALCULATED 24-HOUR RATE OIL—BBL. 40 GAS—MCF. 8 WATER—BBL. TSTM OIL GRAVITY-API (CORR.) 36 @ 60°

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

35. LIST OF ATTACHMENTS

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records
SIGNED J.C. Ball TITLE District Engineer DATE 3-24-81

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

December 16, 1981

Belco Petroleum Corp.
P. O. Box X
Vernal, Utah 84078

Re: Well No. Duck Creek #41-8 GR
Sec. 8, T. 9S, R. 20E
Uintah County, Utah

Well No. Summit 1-4
Se. 4, T. 1N, R. 7E
Summit County, Utah
SECOND NOTICE

Gentlemen:

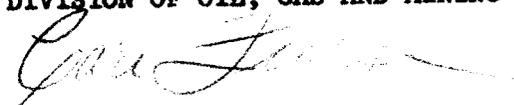
This letter is to advise you that the Well Completion or Reocmpletion Report and Log for the above mentioned wells is due and has not been filed with this office as required by our rules and regulations.

Please complete the enclosed Form OGC-3~~2~~ in duplicate, and forward them to this office as soon as possible.

Thank you for your cooperation relative to the above.

Very truly yours,

DIVISION OF OIL, GAS AND MINING


CARI FURSE
CLERK TYPIST

December 16, 1981

Belco Petroleum Corp.
P. O. Box X
Vernal, Utah 84078

Re: Well No. Duck Creek #41-8 GR
Sec. 8, T. 9S, R. 20E
Uintah County, Utah
(March 1981- November 1981)

Well No. Duck Creek #50-17 GR
Sec. 17, T. 9S, R. 20E
Uintah County, Utah
(September 1981 - November 1981)

Gentlemen:

Our records indicate that you have not filed the monthly drilling reports for the months indicated above on the subject wells.

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

Your prompt attention to the above will be greatly appreciated.

Very truly yours,

DIVISION OF OIL, GAS AND MINING

Cari Furse

CARI FURSE
CLERK TYPIST

Belco Development Corporation

Belco

December 21, 1981

Division of Oil, Gas and Mining
4241 State Office Building
Salt Lake City, Utah 84114

RE: Status Reports
Duck Creek Unit 50-17GR
Duck Creek Unit 41-8GR
Uintah County, Utah

Attn: Ms Cari Furse

Your letter of December 16, 1981 requested monthly drilling reports on the above two referenced wells.

I've enclosed monthly status reports on the Duck Creek 50-17 for the months of September thru November of 1981. This well is currently on production and is being reported on form 9-329 each month.

The Duck Creek Unit 41-8GR was completed on February 5, 1981 with initial production on March 14, 1981. I've enclosed reports verifying that these were already reported to you. Since the March report this well has been reported on our production form 9-329.

Hope this information clears up any further questions as to the status of these two wells. If I can be of any further help please contact me at the above address.

Sincerely,

Kathy Knutson
Kathy Knutson
Engineering Clerk

RECEIVED
DEC 24 1981

cc: File

**DIVISION OF
OIL, GAS & MINING**

P.O. Box X
Vernal, Utah 84078
Telephone (801) 789-0790

RECEIVED
DEC 28 1981

Belco Development Corporation

Belco

**DIVISION OF
OIL, GAS & MINING**

December 21, 1981

Division of Oil, Gas and Mining
4241 State Office Building
Salt Lake City, Utah 84114

RE: WELL COMPLETION REPORTS
Summit 1-4
Section 4, T1N, R7E
Summit County, Utah

Duck Creek 41-8GR
Section 8, T9S, R20E
Uintah County, Utah

Attn: Ms Cari Furse

The Well Completion or Recompletion Report and Log on the above two referenced wells were submitted to you previously. Your letter of December 16, 1981 indicates you have no record of having received these two reports so I have attached copies of the same.

Very truly yours,

Kathy Knutson

Kathy Knutson
Engineering Clerk

cc: file

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

SUBMIT IN TRIPPLICATE
(Other instructions on reverse side)

Budget Bureau No. 1004-0135 /
Expires August 31, 1985

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.)

6. LEASE DESIGNATION AND SERIAL NO.
U-13353

8. BY INDIAN, ALLOTTEE OR TRIBE NAME
UTE TRIBE SURFACE

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
DUCK CREEK

9. WELL NO.
41-8

10. FIELD AND POOL, OR WILDCAT
DUCK CREEK

11. SEC., T., R., N., OR BLE. AND SURVEY OR AREA
SEC 8, T9S, R20E

12. COUNTY OR PARISH 13. STATE
UINTAH UTAH

RECEIVED

OCT 30 1984

**DIVISION OF OIL
& GAS & MINING**

1. OIL WELL GAS WELL OTHER

2. NAME OF OPERATOR
BELCO DEVELOPMENT CORPORATION

3. ADDRESS OF OPERATOR
P.O. BOX X, VERNAL, UTAH 84078

4. LOCATION OF WELL (Report location clearly and in accordance with applicable requirements. See also space 17 below.)
At surface
2185' FNL & 649' FEL SE/NW

14. PERMIT NO.
43-047-30807

15. ELEVATIONS (Show whether DT, ST, OR, etc.)
4734' NGL

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"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANE <input type="checkbox"/>
(Other) SUSPENSION OF OPERATIONS <input type="checkbox"/>	

WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
(Other) <input 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.)

THIS IS TO ADVISE THAT THIS WELL'S OPERATION IS TO BE SUSPENDED UNTIL APRIL, 1985. THE WELL CAN PRODUCE COMMERCIALY BUT IS MARGINAL. OPERATIONS DURING WINTER MONTHS IS NOT RECOMMENDED BECAUSE OF THE HIGH MAINTENANCE AND FUEL COSTS ASSOCIATED WITH COLDER WEATHER. A VERBAL CONVERSATION WITH ALLEN MCGEE OF THE VERNAL OFFICE INDICATED THIS TYPE OF OPERATION WOULD SATISFY OUR LEASE OBLIGATIONS TO MAINTAIN COMMERCIAL PRODUCTION.

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

SIGNED J. Ball TITLE DISTRICT ENGINEER DATE OCT 26, 1984

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side



October 26, 1984

Bureau of Land Management
Vernal District
170 South 500 East
Vernal, Utah 84078

SUBJECT: Notice of Intention to Suspend
Production Operations
Uintah County, Utah

Gentlemen:

Attached are Sundry Notices reporting Belco's intent to suspend production operations on three (3) wells in Uintah County, Utah until April, 1985. All three wells are marginal producers and cannot be operated profitably during the colder months. Verbal approval of this action was received from Mr. Allen McGee in the Vernal District Office. The three wells are listed below:

Duck Creek 41-8
Coyote Basin 1-12
Stagecoach Unit 7-22

Belco will inform your office when production activities commence as per Federal regulation 3162.4 (c).

Very truly yours,

Kathy Knutson
Kathy Knutson
Engineering Clerk

RECEIVED

OCT 30 1984

**DIVISION OF OIL
& GAS & MINING**

/kk
attachments

cc: Drew Morris
Houston
Reading File

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

*Vernal
W.F.*

DESIGNATION OF OPERATOR

The undersigned is, on the records of the Bureau of Land Management, holder of lease

STATE OFFICE: Salt Lake City, Utah
SERIAL NO.: U-13353

and hereby designates

NAME: Gas & Oil Management Inc.
ADDRESS: 7955 E. Arapahoe Court, Suite 3100
Englewood, Colorado 80112

as his operator and local agent, with full authority to act in his behalf in complying with the terms of the lease and regulations applicable thereto and on whom the authorized officer may serve written or oral instructions in securing compliance with the Operating Regulations (43 CFR 3160) with respect to (describe acreage to which this designation is applicable):

Duck Creek #41-8GR
2186' FNL, 649' FEL

Township 9 South, Range 20 East
Section 8
Uintah County, Utah

It is understood that this designation of operator does not relieve the lessee of responsibility for compliance with the terms of the lease and the Operating Regulations. It is also understood that this designation of operator does not constitute an assignment of any interest in the lease.

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

The lessee agrees promptly to notify the authorized officer of any change in the designated operator.



(Signature of lessee)

Gilman A. Hill
6200 Plateau Drive, Englewood, CO 80110

(Address)

June 21, 1985
(Date)

This form does not constitute an information collection as defined by 44 U.S.C. 3502 and thereto does not require OMB approval.

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

1. LEASE DESIGNATION AND SERIAL NO.	U-13353
2. IF INDIAN, ALLOTTEE OR TRIBE NAME	Ute Tribes (Surface)
3. UNIT AGREEMENT NAME	Duck Creek Unit
4. FARM OR LEASE NAME	
5. WELL NO.	#41-8GR
6. FIELD AND POOL, OR WILDCAT	Duck Creek Field
7. SEC., T., R., N., OR S.E. AND SURVEY OR AREA	Sec 8-T9S-R20E
8. COUNTY OR PARISH	Uintah
9. STATE	Utah

SUNDRY NOTICES AND REPORTS ON WELLS

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

10. WELL TYPE OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>
11. NAME OF OPERATOR Gas & Oil Management, Inc.
12. ADDRESS OF OPERATOR 7955 E. Arapahoe Ct. Suite 3100 Englewood, CO 80112
13. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface SE NE Section 8 T9S 20E
14. PERMIT NO. 43-047-30807
15. ELEVATIONS (Show whether ST, TV, GR, etc.) 4734 GR

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

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

(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.)

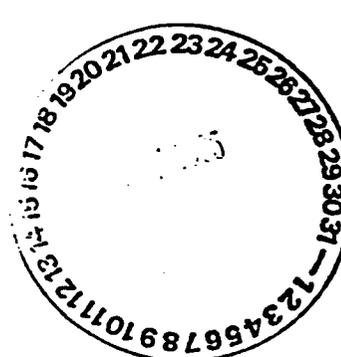
Pull rods X pump. Pull tubing. Run tubing open ended and spot 25 sacks of cement at 4900 (perfs at 4998' - 5125').

Pull tubing and spot 25 sacks of cement in top of 5 1/2" casing and annulus of 9 5/8" and 5 1/2" casings. Cut off casings six feet below grade and erect dryhole marker. Operations to P x A to begin within 45 days after BLM approval.

ACCEPTED BY THE STATE
OF UTAH DIVISION OF
OIL, GAS, AND MINING

DATE: 1/2/86
BY: John R. Boye

① An additional 400' plug is to be set from 2050' - 2450' per attached letter to comply w/ special rules for oil shale areas.



RECEIVED

DEC 30 1985

DIVISION OF OIL
GAS & MINING

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

SIGNED <u>[Signature]</u>	TITLE <u>President</u>	DATE <u>November 19, 1985</u>
(This space for Federal or State plate use)		
APPROVED BY <u>[Signature]</u>	TITLE <u>DISTRICT MANAGER</u>	DATE <u>2-16-85</u>
CONDITIONS OF APPROVAL, IF ANY:		

OPERATOR

*See Instructions on Reverse Side

CONDITIONS OF APPROVAL

The Vernal District Petroleum Engineers have reviewed the Sundry Notice for technical adequacy and concur with the down hole portion of the request providing the following stipulations are included as a part of the approval:

1. After setting the 25sx plug above the perforations, wait a minimum of 4 hours and tag with the tubing to ensure placement.
2. Place minimum 9.0 ppg fresh water weighted with bentonite mud between all plugs.
3. A 200' plug shall be placed in the 5½" casing 100' to 300'.
4. A 200' plug shall be placed in the 9 5/8" X 5½" annulus from 100' to 300'.
5. Contact BIA regarding surface rehabilitation requirements.



RECEIVED

DEC 30 1985

DIVISION OF OIL
GAS & MINING

December 26, 1985

State of Utah
Dept. of Natural Resources
Division of Oil, Gas & Mining
Salt Lake City, Utah

Attention: Mr. John Baza

Subject: P & A Duck Creek 41-8
Uintah County, Utah

Dear John:

As discussed in our telephone conversation of December 24, 1985, the following is attached:

- 1.) Designation of Operator showing Gas & Oil Management as operator of the subject well.
- 2.) A copy of the BLM approval to P & A the subject well.

In addition to the plugs listed on the approval a 400' plug from 2050-2450 is to be included. P & A is to commence on December 26, 1985.

A handwritten signature in cursive script, appearing to read 'J.C. Ball', is written over a horizontal line.

J.C. Ball
District Engineer

JCB/bw

/0167M/

cc: Well file

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

5. LEASE DESIGNATION AND SERIAL NO.
U-13353

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

Ute Tribes (Surface)

7. UNIT AGREEMENT NAME
Duck Creek Unit

8. FARM OR LEASE NAME

9. WELL NO.
41-8

10. FIELD AND POOL, OR WILDCAT
Duck Creek Field

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

Sec. 8, T9S, R20E

12. COUNTY OR PARISH
Uintah

13. STATE
Utah

SUNDRY NOTICES AND REPORTS ON WELLS

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

RECEIVED

JAN 23 1986

DIVISION OF OIL
GAS & MINING

1. OIL WELL GAS WELL OTHER

2. NAME OF OPERATOR
Belco Development Corporation

3. ADDRESS OF OPERATOR
P.O. Box X, Vernal, Utah 84078

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.)
At surface
2185' FNL & 649' FEL SE/NW

14. PERMIT NO.
43-047-30807 GRRV

15. ELEVATIONS (Show whether DF, RT, OR, etc.)
4734GR

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

NOTICE OF INTENTION TO:

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

FULL OR ALTER CASING
MULTIPLE COMPLETE
ABANDON*
CHANGE PLANS

SUBSEQUENT REPORT OF:

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

REPAIRING WELL
ALTERING CASING
ABANDONMENT*

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

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

Well has been P & A'd as follows:

1. Pump 25 sx cmt, plug from 4,700-4,900'. Tag w/tbg. @ 4,700'.
2. Spot a 50 sx cmt plug from 2,050 - 2,450'.
3. Spot a 39 sx cmt plug from 0 - 317' inside 5 1/2' csg,
4. Spot a 76 sx cmt plug in 5 1/2' X 9 5/8" annulus.
5. Install dryhole marker, rehab location per BIA specs.
6. Reseeding will be completed before spring.

Note: All equipment belonging to Belco has been removed.

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

SIGNED John R. Baya TITLE District Engineer DATE 01-20-86

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____
CONDITIONS OF APPROVAL, IF ANY:

ACCEPTED BY THE STATE
OF UTAH DIVISION OF
OIL, GAS, AND MINING

*See Instructions on Reverse Side

DATE: 1-27-86
BY: John R. Baya