

UTAH OIL AND GAS CONSERVATION COMMISSION



REMARKS: WELL LOG _____ ELECTRIC LOGS _____ FILE X WATER SANDS _____ LOCATION INSPECTED _____ SUB. REPORT/abd _____

USGS resented application for Permit to Drill as of 12-17-81

DATE FILED 9-22-80

LAND: FEE & PATENTED _____ STATE LEASE NO. _____ PUBLIC LEASE NO. U-38400 INDIAN _____

DRILLING APPROVED: 11-18-80 AW

SFUDDED IN:

COMPLETED: _____ PUT TO PRODUCING: _____

INITIAL PRODUCTION:

GRAVITY A.P.I.

GOR:

PRODUCING ZONES:

TOTAL DEPTH:

WELL ELEVATION: 4763' GL

DATE ABANDONED: Location Abandoned 12-16-81

FIELD: Undesignated 3/86 Natural Buttes

UNIT:

COUNTY: Uintah

WELL NO. DUCK CREEK #33-17GR API NO. 43-047-30811

LOCATION 1744' FT. FROM (N) X LINE. 1934' FT. FROM (E) XX LINE. SW 1/4 NE 1/4 1/4 - 1/4 SEC. 17 SLBM

TWP.	RGE.	SEC.	OPERATOR	TWP.	RGE.	SEC.	OPERATOR
				<u>9S</u>	<u>20E</u>	<u>17</u>	<u>BELCO PETROLEUM CORPOR</u>

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: 1744' FNL & 1934' FEL SW 1/4 NE 1/4
 At proposed prod. zone: SAME

5. LEASE DESIGNATION AND SERIAL NO.
 U-38400

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

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
 DUCK CREEK

9. WELL NO.
 33-17GR

10. FIELD AND POOL OR WILDCAT
in design
 DC * GREEN RIVER

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
 Section 17, T9S, R20E

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

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
 APPROXIMATELY 4 MILES SOUTH OF OURAY, UTAH

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 1744'

16. NO. OF ACRES IN LEASE

17. NO. OF ACRES ASSIGNED TO THIS WELL
 40 Acres

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

19. PROPOSED DEPTH
 5307'

20. ROTARY OR CABLE TOOLS
 Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
 4763' Natural G. L. *Green River*

22. APPROX. DATE WORK WILL START*
 JANUARY 1981

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 "G" cement
8 3/4"	5 1/2"	17# K-55	5307'	200' above uppermost hydro-carbon zone.

SEE ATTACHMENTS FOR:

- 10 POINT PROGRAM
- 13 POINT SURFACE USE PLAN WITH ADDITIONAL PROVISIONS REQUIRED BY THE BIA
- LOCATION PLAT
- LOCATION LAYOUT
- TOPO MAPS A & B
- BOP DESIGN
- PRODUCTION FACILITIES SCHEMATIC



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 J.C. Ball TITLE District Engineer DATE 9-19-80

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

APPROVED BY THE DIVISION OF OIL, GAS, AND MINING
 DATE: 11-6-80
 BY: W.S. Menden

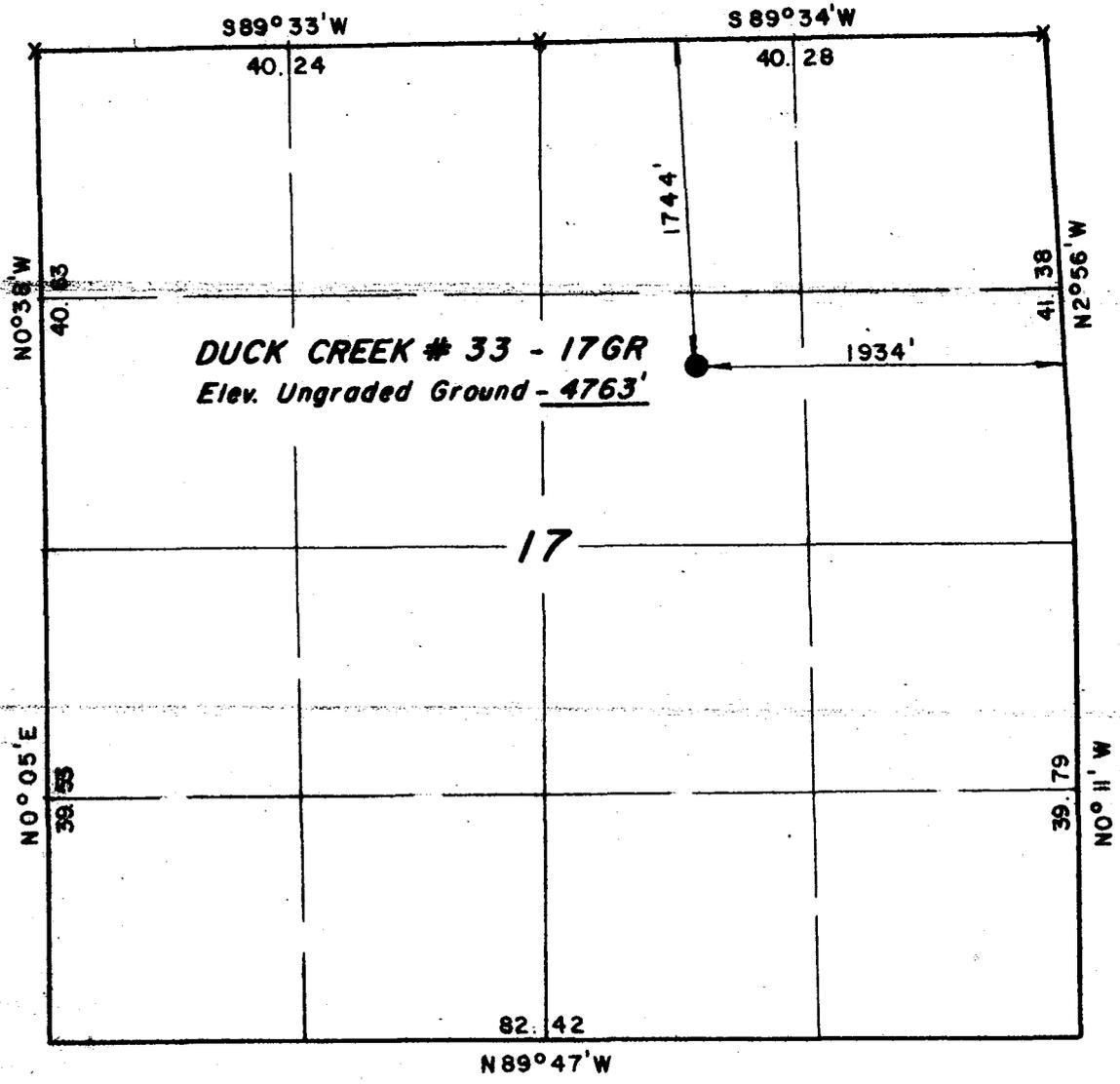
*See Instructions On Reverse Side

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

PROJECT

BELCO PETROLEUM CORP.

Well location, *DUCK CREEK # 33-17GR*,
located as shown in the SW 1/4 NE 1/4
Section 17, T9S, R20E, S.L.B. & M.
Uintah County, Utah.



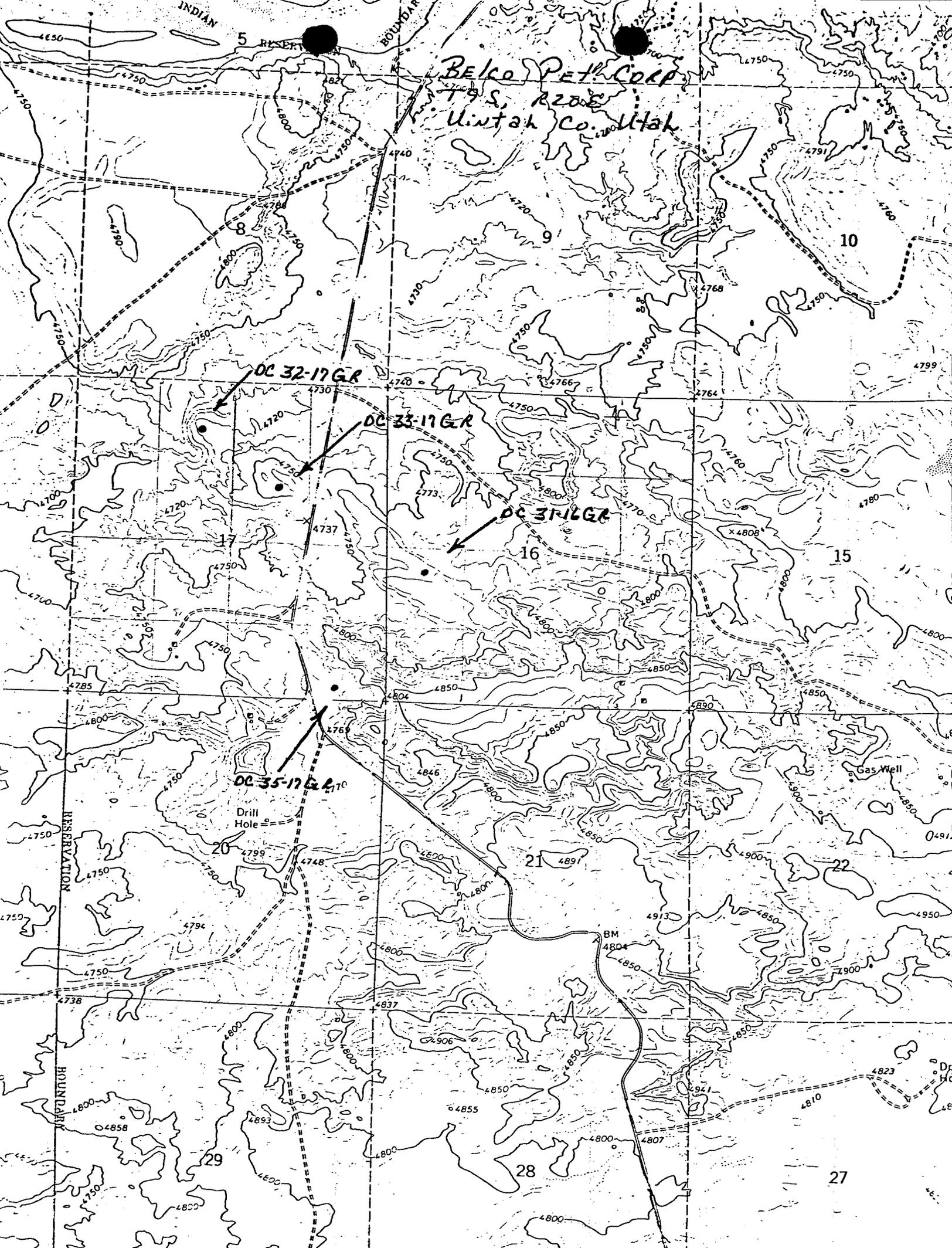
CERTIFICATE

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

Nelson Woodall
REGISTERED LAND SURVEYOR
REGISTRATION NO 2454
STATE OF UTAH

UTAH ENGINEERING & LAND SURVEYING P.O. BOX Q - 110 EAST - FIRST SOUTH VERNAL, UTAH - 84078			
SCALE	1" = 1000'	DATE	9/11/80
PARTY	DA DK RP	REFERENCES	GLO Plat
WEATHER	Fair	FILE	BELCO

X = Section Corners Located



BELCO PET. CORP.
T. 9 S. R. 20 E.
Uintah Co. Utah

DC 32-17 GR

DC 33-17 GR

DC 34-16 GR

DC 35-17 GR

Drill Hole

Gas Well

BM 4804

RESERVATION

BOUNDARY

** FILE NOTATIONS **

DATE: September 29, 1980
OPERATOR: Balco Petroleum
WELL NO: Duck Creek # 33-176R
Location: Sec. 17 T. 9S R. 20E County: Wintah

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

API Number 43-047-30811

CHECKED BY:

Petroleum Engineer: M. J. Minder 11-6-80
Topo. Exception

Director: _____

Administrative Aide: C-3: too close to qtr-qtr line

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 9d Plotted on Map

Hot Line Approval Letter Written
P.I.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

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b. TYPE OF WELL
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 SINGLE ZONE MULTIPLE ZONE

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3. ADDRESS OF OPERATOR
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19. PROPOSED DEPTH 5307'

20. ROTARY OR CABLE TOOLS Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.) 4763' Natural G. L.

22. APPROX. DATE WORK WILL START* JANUARY 1981

5. LEASE DESIGNATION AND SERIAL NO.
 U-38400

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

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
 DUCK CREEK

9. WELL NO.
 33-17GR

10. FIELD AND POOL, OR WILDCAT
 DC * GREEN RIVER

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
 Section 17, T9S, R20E

12. COUNTY OR PARISH UINTAH

13. STATE UTAH

DUPLICATE

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RECEIVED

NOV 14 1980

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24. SIGNED J.C. Ball TITLE District Engineer DATE 9-19-80

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY WT Martin FOR E. W. GYNN DISTRICT ENGINEER DATE NOV 12 1980

CONDITIONS OF APPROVAL, IF ANY: _____

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

NOTICE OF APPROVAL

wt. Oil + Gas

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 in the Duck Creek Development Field

Project Location 1744' FNL & 1934' FEL - Sec. 17, T. 9S, R. 20E

Well No. 33-17 GR Lease No. U-38400

Date Project Submitted September 22, 1980

FIELD INSPECTION Date October 2, 1980

Field Inspection Participants	<u>Craig Hansen</u>	<u>USGS - Vernal</u>
	<u>Dale Hanburg</u>	<u>BIA - Ft. Duchesne</u>
	<u>Rick Schatz</u>	<u>Belco Petroleum</u>
	<u>Bud Pease</u>	<u>Dirt Contractor</u>

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.

October 8, 1980
Date Prepared

Cham in Hansen
Environmental Scientist

I concur
10/22/80
Date

Ed Long
District Supervisor

CATEGORICAL EXCLUSION REVIEW INFORMATION SOURCE

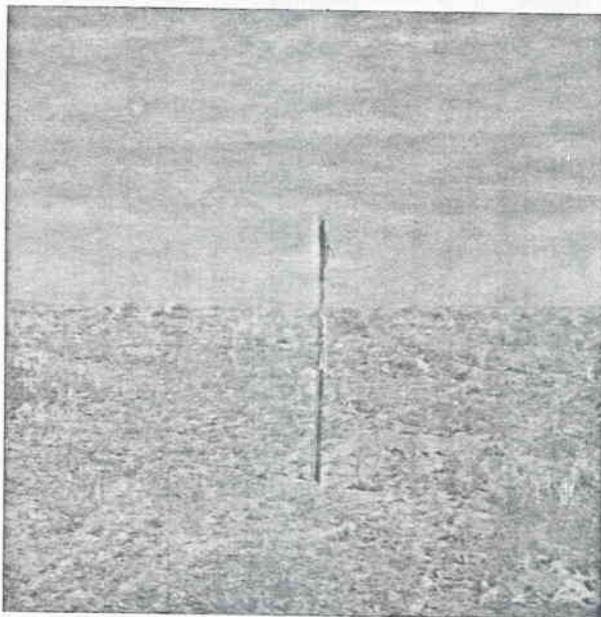
Criteria 516 DM 2.3.A	Federal/State Agency			Local and private corre- spondence (date)	Previous NEPA	Other studies and reports	Staff expertise	Onsite inspection (date)	Other
	Corre- spondence (date)	Phone check (date)	Meeting (date)						
Public health and safety	10-20-80 BIA	9-7-80 BIA					2	10-2-80 11-21-80	
Unique charac- teristics							2	11-21-80	
Environmentally controversial							2	11-21-80	
Uncertain and unknown risks						10-21-80 2	2	11-21-80	
Establishes precedents							2	11-21-80	
Cumulatively significant							2	11-21-80	
National Register historic places	1							11-21-80	
Endangered/ threatened species	1							11-21-80	
Violate Federal, State, local, tribal law	1							11-21-80	

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

RECOMMENDED SITPULATIONS FOR BELCO #33-17 GR:

1. Adhere to basic stipulations by BIA on file in the Salt Lake City Office.
2. Paint production facilities a color to blend in with the natural surroundings.
3. Make visable approach to main road to reduce traffic hazards.



*Belco #33-17
Looking north*

NEGATIVE DECLARATION

APPROVAL BY SECRETARY OF THE INTERIOR OF Application for permit to
drill and oil well ~~XX~~,

TO Belco Petroleum Corp. 'XXXXXXXXXXXXX' COVERING THE FOLLOWING
DESCRIBED TRUST INDIAN LANDS IN Uintah COUNTY, STATE OF UTAH.

LEGAL DESCRIPTION:

SW $\frac{1}{4}$ NE $\frac{1}{4}$, Sec. 17, T9S., R20E., SLB&M.

Located approximately 4 miles south of Ouray, Utah.

OWNERSHIP

Surface Ute Tribe

Sub-Surface Non-Indian

IT HAS BEEN DETERMINED AFTER REVIEW OF THE ACCOMPANYING ENVIRONMENTAL ANALYSIS,
THAT THE APPROVAL OF THIS application IS NOT SUCH A MAJOR FEDERAL ACTION
SIGNIFICANTLY AFFECTING THE QUALITY OF THE HUMAN ENVIRONMENT AS TO REQUIRE THE
PREPARATION OF AN ENVIRONMENTAL IMPACT STATEMENT UNDER SECTION 102 (2) (c) OF
THE NATIONAL ENVIRONMENTAL POLICY ACTION OF 1969 (42 U.S.C. § 4332 (2) (c)).

10/16/80
DATE

L. W. Collins Jr.
SUPERINTENDENT

FY: '81-5

LEASE NO. U-38400
WELL NO. 33-17GR

UINTAH AND OURAY AGENCY
ENVIRONMENTAL IMPACT ANALYSIS

1. PROPOSED ACTION: Belco Petroleum Corp. proposes to drill an Oil well (33-17GR) to, a proposed depth of 5307 feet; to construct approximately 0.1 (~~XXX~~, miles) of new access road; and upgrade approximately 0 (~~XXX~~, miles) of existing access road.
2. LOCATION AND NATURAL SETTING: The proposed wellsite is located approximately 4 miles South of Ouray, Utah in the SW $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 17 T. 9S, R. 20E, S1B&M meridian. This area is used for livestock grazing and wildlife habitat. The topography is rolling hills. The vegetation consist of aster, prickly pear, galletta grass, timble weed, shadscale, Indian rice grass, baby sunflower, four wing salt brush. Wildlife habitat for: X Deer X Antelope Elk Bear X Small Mammals X Birds Endangered species Other Reptiles and insects.
3. EFFECTS ON ENVIRONMENT BY PROPOSED ACTION:
 - A. Vegetation will be destroyed and soil will be disturbed on approximately 3 acres of land used for access road and well site.
 - B. Dust and exhaust emissions will affect air quality.
 - C. Scenic and asthetic qualities will be affected.
4. ALTERNATIVES TO THE PROPOSED ACTION: move intersection of access road and highway north about 50 yards to get clear view of traffic.
5. ADVERSE EFFECTS THAT CANNOT BE AVOIDED:

None of the adverse affects listed in item #3 above can be avoided in a practical manner.
6. DETERMINATION: This request action (~~does~~) (does not) constitute a major Federal action significantly affecting the quality of the human environment as to require the preparation of an environmental impact statement under Section 102 (2)(c) of the National Environmental Policy Act of 1969 (42 U.S.C. s 4332 (2)(c)).

REPRESENTATIVE:

Craig Hansen - USGS
Rick Schatz - Belco
Bud Pease - Pease Bros. Construction

Rick Schatz 10-15-80
BIA Representative Date

COPY TO:

USGS, P.O. BOX 1037, Vernal, Utah 84078
USGS, Dist, Engr., Cons. Div., 8426 Federal Building., Salt Lake City, Utah
84138

Lease #. II-38400
Well #. 33-17GR

Memorandum

To: USGS District Engineer

From: Surface Managing Agency

Subject: Belco Petroleum Corp, well 33-17GR

in the SW $\frac{1}{4}$ NE $\frac{1}{4}$, Sec. 17, T9S., R20E., SLB&M.

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

Based on available information on 10-2-80, 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

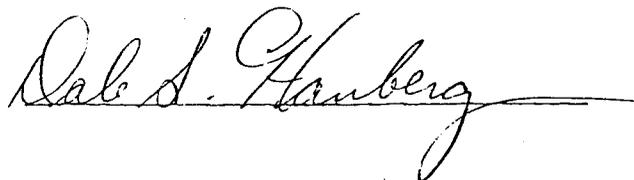
Yes No Historical or cultural resources

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 enclosed.



Enclosure

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

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

SUBJECT: APD MINERAL EVALUATION REPORT

LEASE NO. U-38400

OPERATOR: Belco Petroleum

WELL NO. 33-176R

LOCATION: C SW $\frac{1}{2}$ NE $\frac{1}{2}$ sec. 17, T. 9S, R. 20E, SLM

Uintah County, Utah

1. Stratigraphy:

Uintah surface

Green River 1840'

TD 5307'

2. Fresh Water:

Fresh water possible throughout Uintah Fm.

Useable water may occur in Green River to TD.

3. Leasable Minerals:

Oil Shale in the Green River Fm.

Mahogany zone occurs at 2665' and is ~85' thick.

Pods of saline minerals may occur within an 800' rock interval immediately above the Mahogany zone.

Prospectively valuable for gilsonite. Several mapped veins occur in the area.

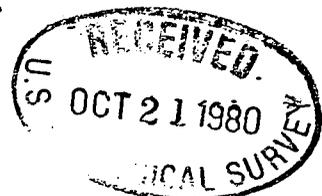
4. Additional Logs Needed:

Adequate

5. Potential Geologic Hazards:

None expected

6. References and Remarks:



Signature: Gregory W. Wood

Date: 10-3-80



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

Belco Petroleum
T9S R20E
Uintah County
EO # 734-80J
Well # 33-17GR
Section # 17

RECEIVED

OCT 21 1980
 OFFICE OF
 OIL AND GAS OPERATIONS
 AREA OIL SHALE SUPERVISOR

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

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

RECEIVED
 OCT 21 1980
 GEOLOGICAL SURVEY

Belco 33-17GR
 Sec. 17, T9S, R20E

October 9, 1980

Proposed casing and cementing program indicates that cement volumes will be adequate to cover an interval 200' above the uppermost hydrocarbon zone. 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
 Ray A. Brady
 Geologist

Memorandum

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

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

Subject: Application for Permit to Drill (form 9-331c) Federal oil and gas lease No. U-38400 Well No. 33-176R

1. The location appears potentially valuable for:

strip mining*

underground mining** *oil shale - well should be located to avoid gilsonite veins.*

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.

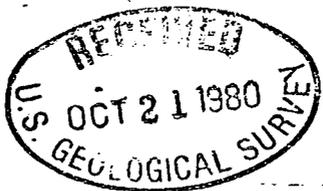
*If location has strip mining potential:

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 E. Vance*



10 POINT PROGRAM

DUCK CREEK 33-17GR

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 4767' are as follows:

Green River	1840'
Total Depth	5307'
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 January , 1981 and that the operations will last two weeks.

13 POINT SURFACE USE PLAN

DUCK CREEK 33-17 GR

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 4 miles South of Ouray, Utah.
- B. The proposed location is approximately 4 miles South of Ouray, Utah. To reach the location, take the county road approximately 4 miles South of Ouray. The well location and proposed access route are located in Section 17 Township 9S and Range 20E Uintah County, Utah.
- 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 1050' 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

- (1) Water Wells- None
- (2) Abandoned Wells -None
- (3) Temporarily abandoned Wells - None
- (4) Disposal Wells-None
- (5) Drilling Wells -None
- (6) Producing Wells- one DC 6-16GR
- (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- the facilities located on the pad of the oil well above, only.
- (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.

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, it's contractors and sub-contractors in conformity with this Plan and the terms and conditions under which it is approved.

DATE September 19, 1980



 J. C. Ball
 District Engineer

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

WELL NAME: DUCK CREEK 33-17GR

LOCATION: Section 17, T9S, R20E
Uintah County, Utah

1. FIREARMS:

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

3. FIREWOOD:

Employees of Belco Petroleum Corporation, it's 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 rerouted 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 will 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.

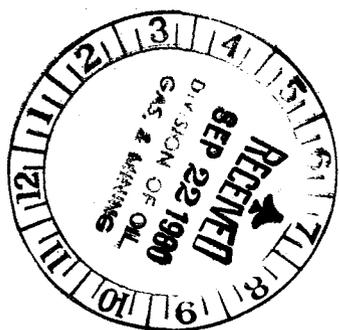
11. BENCH MARKS:

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: September 19, 1980



J. C. BALL
DISTRICT ENGINEER



10" Series 900
Hydraulic Doublegate
BOP or Hydril

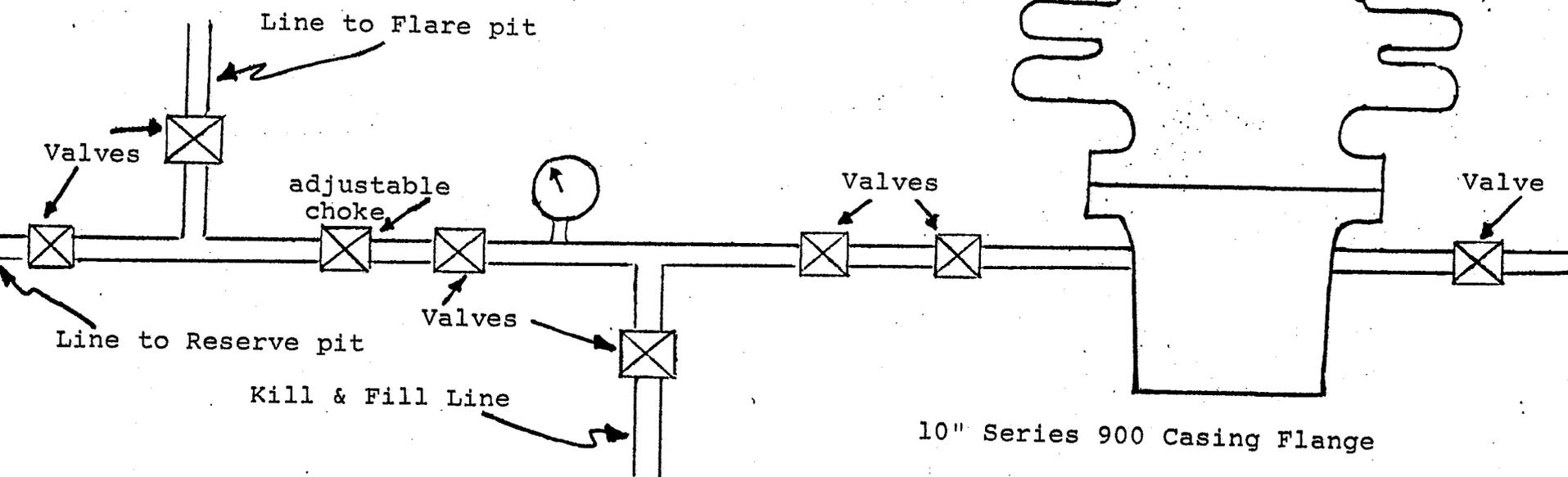
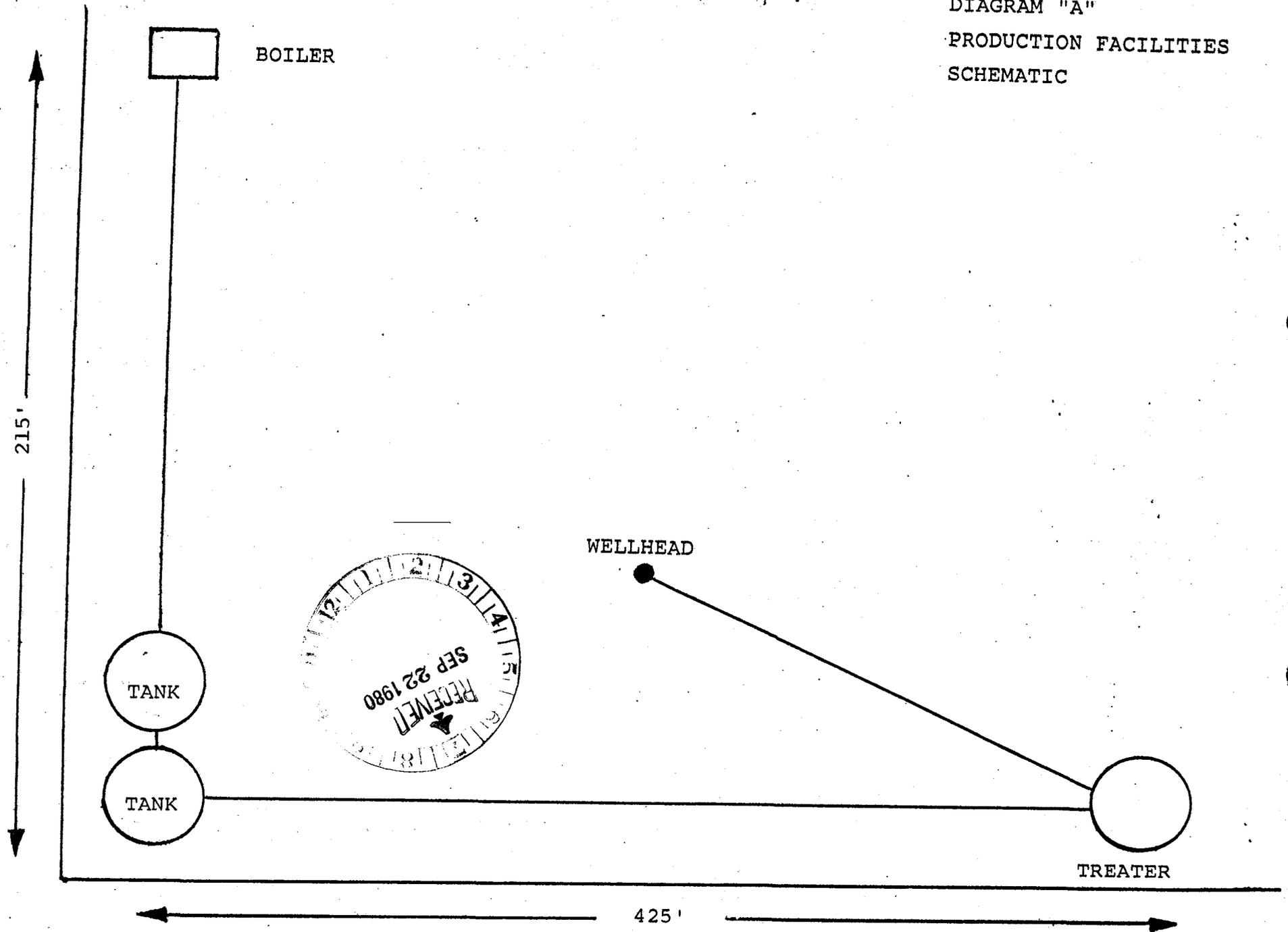


DIAGRAM "A"
PRODUCTION FACILITIES
SCHEMATIC

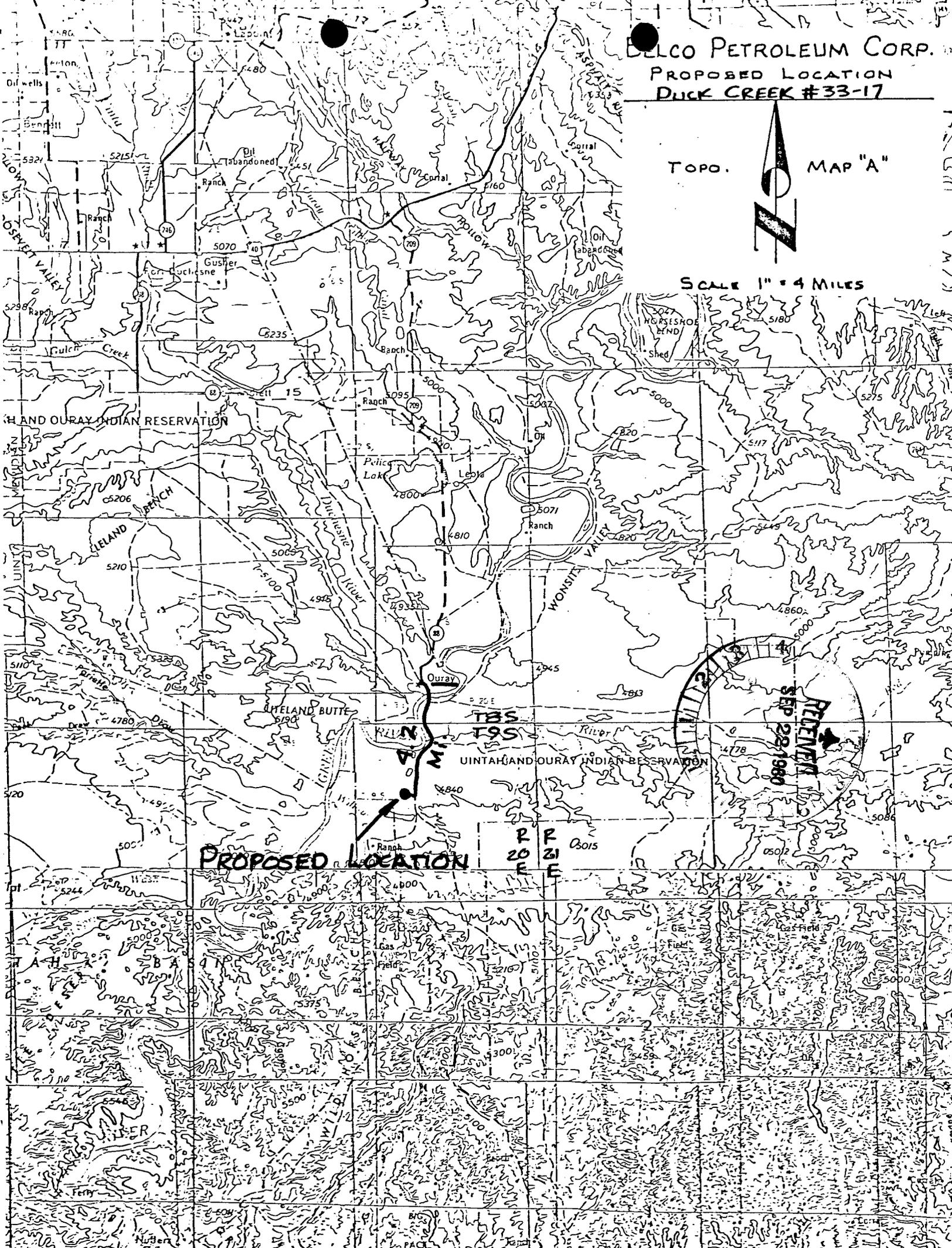


DELCO PETROLEUM CORP.
PROPOSED LOCATION
DUCK CREEK #33-17

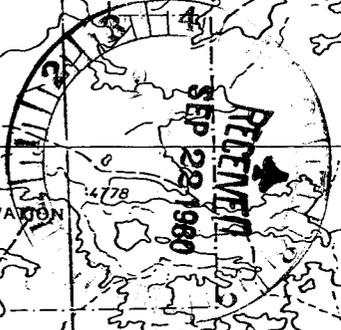


TOPO. MAP "A"

SCALE 1" = 4 MILES



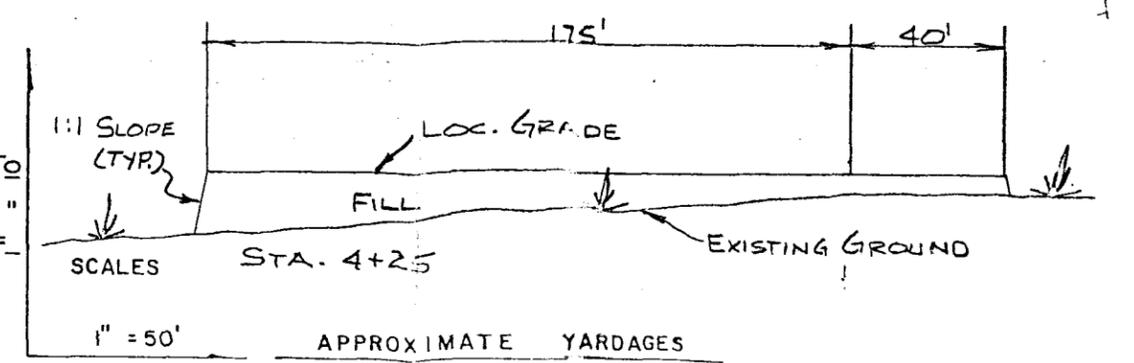
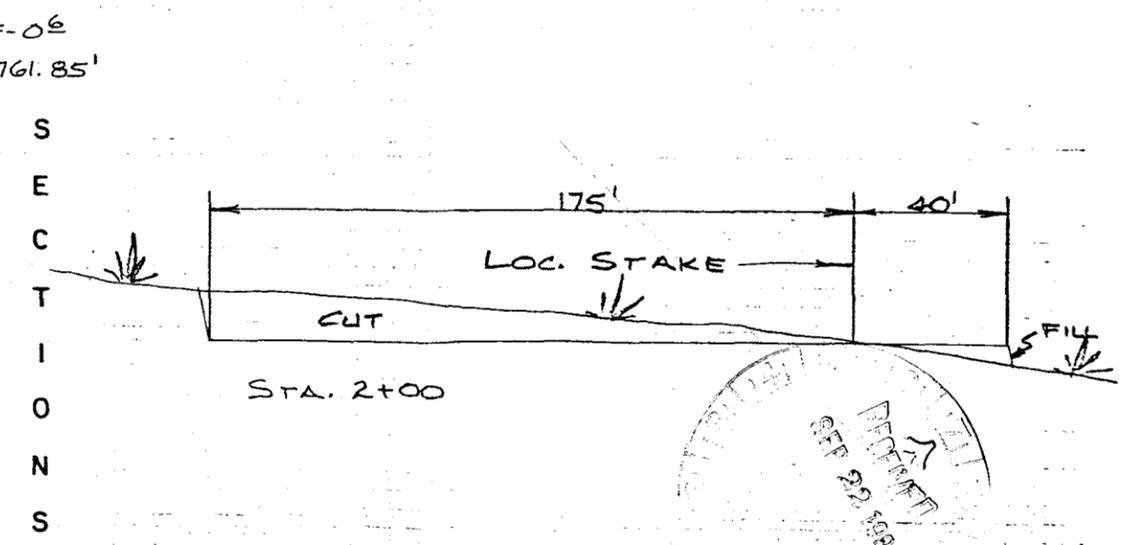
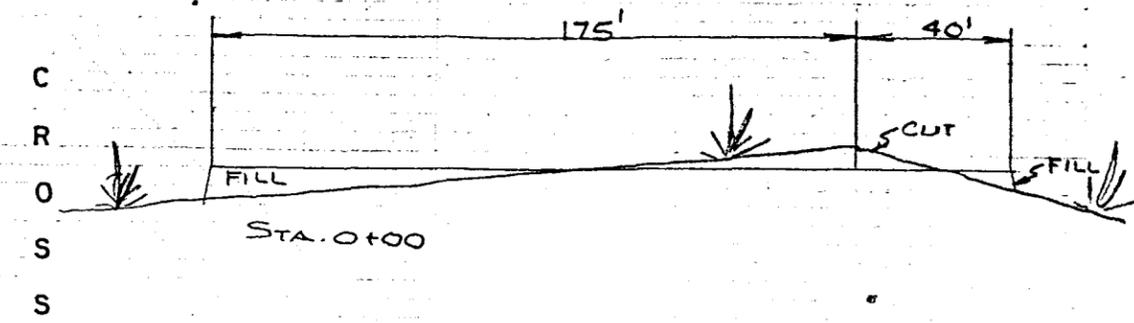
PROPOSED LOCATION



R
20
E
R
21
E
03015

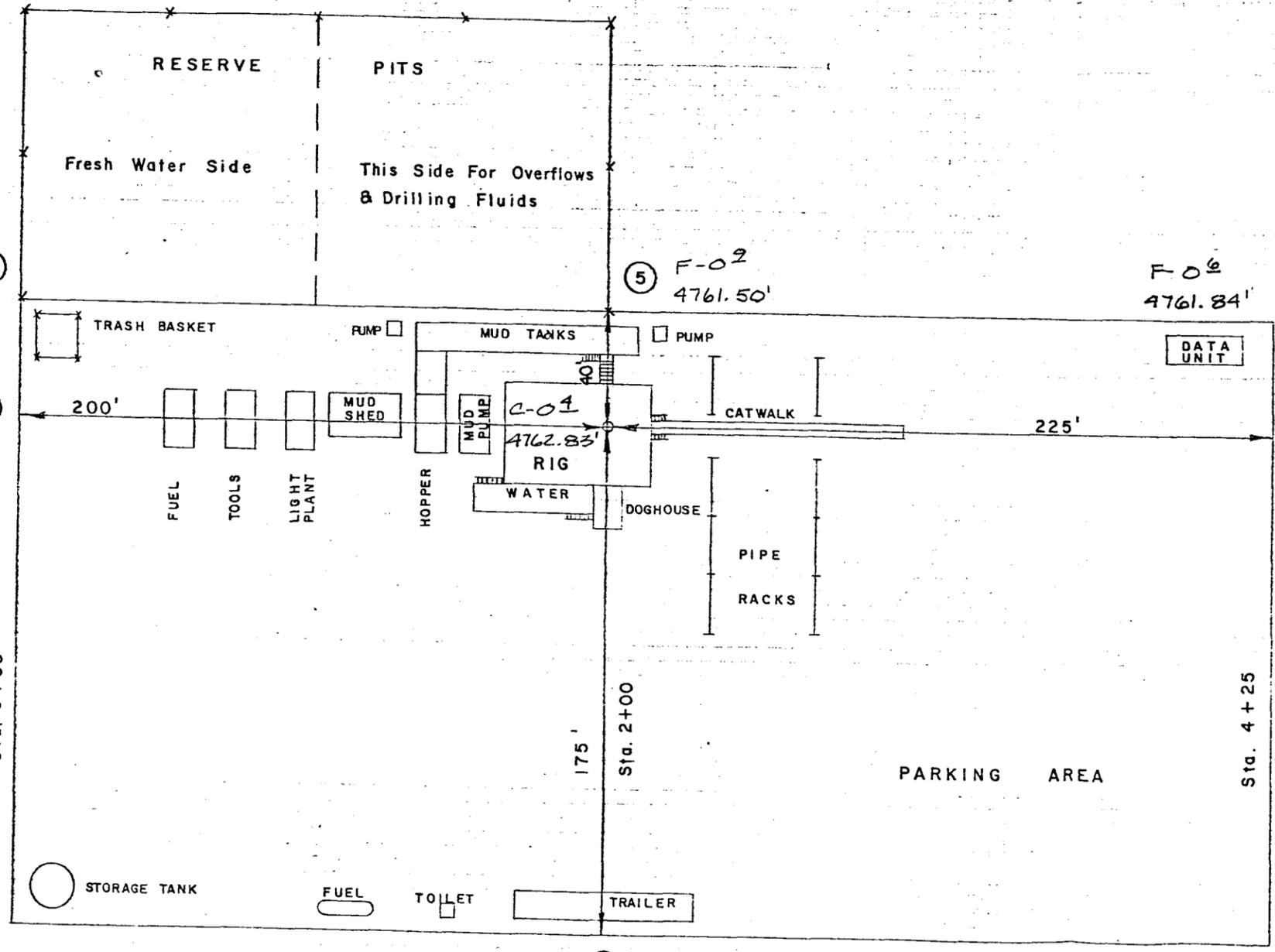
BELCO PETROLEUM CORP.

DUCK CREEK # 33-17 GR



Cubic Yards Cut - 2,694

Cubic Yards Fill - 1,858



-11
1761.30'

-13
1763.75'

-16
1760.84'

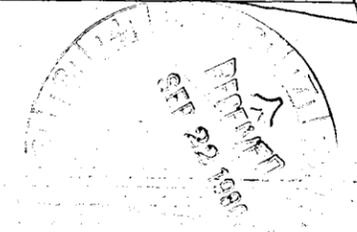
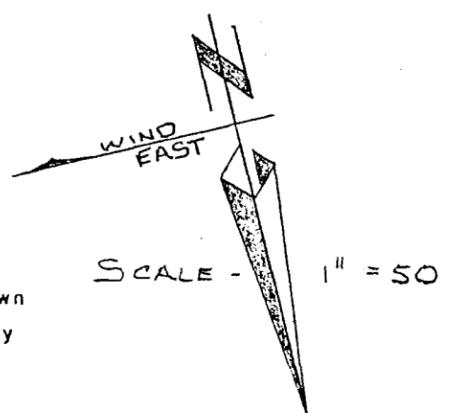
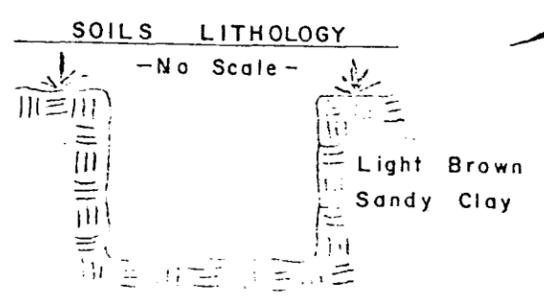
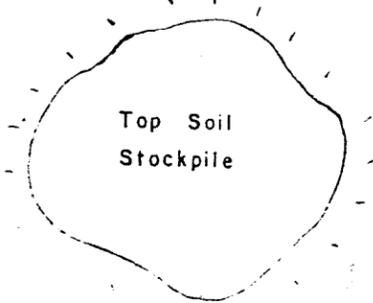
5 F-02
4761.50'

F-06
4761.84'

7 F-06
4761.85'

1 C-3
4765.45'

F-3
4759.34'



BELCO PETROLEUM CORP.
PROPOSED LOCATION
DUCK CREEK #33-17

Topo. Map "B"



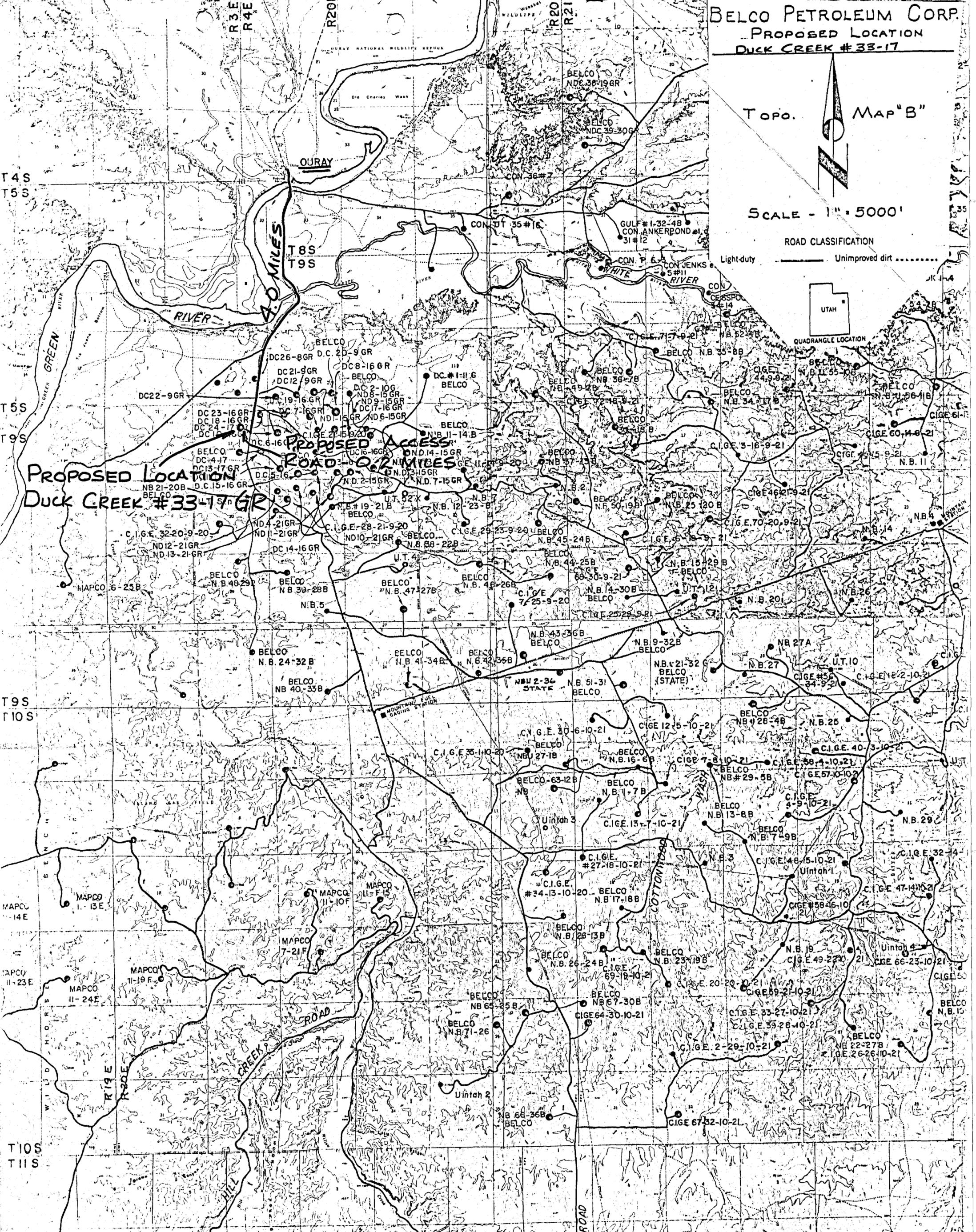
SCALE - 1" = 5000'

ROAD CLASSIFICATION

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



QUADRANGLE LOCATION



Belco Petroleum Corporation

Belco

DIVISION OF
OIL, GAS & MINING

NOV 5 1980

RECEIVED

November 4, 1980

Mr. Mike Minder
State of Utah
Division of Oil, Gas & Mining
1588 West North Temple
Salt Lake City, Utah 84116

RE: Unorthodox Locations
Duck Creek 31-16GR
Duck Creek 32-17GR
Duck Creek 33-17GR
Duck Creek 35-17GR

Dear Sir:

It is requested that the unorthodox locations for the subject wells be approved. The locations are unorthodox because the topography of the area is such that the wells cannot be drilled in a normal location. Belco has the Oil and Gas rights within 660' of the proposed locations. These locations are as follows:

<u>WELL</u>	<u>LOCATION</u>
Duck Creek 31-16GR	637' FWL & 2263' FSL, Section 16 T9S, R20E, Uintah County, Utah
Duck Creek 32-17GR	2204' FWL & 760' FNL, Section 17 T9S, R20E, Uintah County, Utah
Duck Creek 33-17GR	1934' FEL & 1744' FNL, Section 17 T9S, R20E, Uintah County, Utah
Duck Creek 35-17GR	767' FEL & 306' FSL, Section 17 T9S, R20E, Uintah County, Utah

Attached is a topography map showing the above locations.

Very truly yours,
BELCO PETROLEUM CORPORATION



J. C. Ball
District Engineer

Attachment

xc: file (5)

November 18, 1980

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

Well No. Duck Creek 33-17GR
Sec. 17, T. 9S, R. 20E
Uintah County, Utah

Insofar as this office is concerned, approval to drill the above referred to oil well on said unorthodox location is hereby granted in accordance with Rule C-3(c), 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

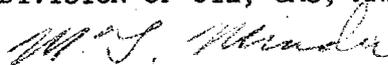
Enclosed please find Form OGC-8-X, which is to be completed whether or not water sands (aquifers) are encountered during drilling. Your cooperation in completing this form will be appreciated.

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 43-047-30811.

Sincerely,

DIVISION OF OIL, GAS, AND MINING



Michael T. Minder
Petroleum Engineer

/ka
cc: USGS

7

Conservation Division
2000 Administration Building
1745 West 1700 South
Salt Lake City, Utah 84104-3084

December 16, 1981

Helco Petroleum Corporation
P.O. BOX X
Vernal, Utah 84078

Re: Return Applications for
Permit to Drill
Well No. 25-17GR, 33-17GR
Section 17, T. 9S, R. 20E.
Mintah County, Utah
Lease No. U-39400

Gentlemen:

The Application for Permit to Drill the referenced wells were approved November 12, 1980. Since that date no known activity has transpired at the approved locations. Under current District policy, application's for permit to drill are effective for a period of one year. In view of the foregoing this office is reissuing the approval of the referenced applications without prejudice. If you intend to drill at these locations on a future date a new application for permit to drill must be submitted.

This office requires a letter confirming that no surface disturbance has been made for these drill sites. Any surface disturbance associated with the approved locations of these wells is to be rehabilitated. A schedule for this rehabilitation must, then be submitted. Your cooperation in this matter is appreciated.

Sincerely,

(ORIG. SGD.) W. P. MARTENS

for E. W. Gwynn
District Oil and Gas Supervisor

bcc: DOW, CR, O&G, Denver
BIA-Ft. Duchesne
State Office (O&G)
State Office (BIM)
USGS-Vernal
Well File
APD Control

WAE/TE/tm

RECEIVED

DEC 17 1981

DIVISION OF
OIL, GAS & MINING