

Belco Development Corporation

Belco

January 17, 1983

Mr. E. W. Guynn - District Engineer
Minerals Management Service
2000 Administration Building
1745 West 1700 South
Salt Lake City, Utah 84104

SUBJECT: Application for Permit to Drill
Duck Creek 63-8
Section 8, T9S, R20E
Uintah County, Utah
Lease # U-15725

Dear Sir,

Attached, for your approval, is the Application for Permit to Drill the above referenced well proposed for drilling early this year. Also attached are the Location Plat, 10 Point Program, 13 Point Surface Use Plan, Location Layout Sheet, Production Facilities Schematic, BOP Design, and Topo Maps "A" and "B". The archeological survey has been requested and will be submitted as soon as weather conditions permit surface examination.

Very truly yours,



Kathy Knutson
Engineering Clerk

/kk
attachments

cc: **Division of Oil, Gas & Mining**
Houston
Denver
Files

RECEIVED

JAN 19 1983

**DIVISION OF
OIL GAS & MINING**

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 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 1500' FWL & 800' FSL
 At proposed prod. zone SAME

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
 3.6 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)

16. NO. OF ACRES IN LEASE

17. NO. OF ACRES ASSIGNED TO THIS WELL
 160

18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.
 7609'

19. PROPOSED DEPTH

20. ROTARY OR CABLE TOOLS
 ROTARY

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
 4789' NATURAL GL

22. APPROX. DATE WORK WILL START*
 FEBRUARY 10, 1983

5. LEASE DESIGNATION AND SERIAL NO.
 U-15725

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

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
 DUCK CREEK

9. WELL NO.
 63-8

10. FIELD AND POOL, OR WILDCAT
 NATURAL BUTTES

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

12. COUNTY OR PARISH
 UTAH

13. STATE
 UTAH

SEEW

WASATCH

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/4"	9 5/8"	K-55 36.0#	+200'	200 sx class "G" cement
7 7/8"	4 1/2"	K-55 11.6#	+7409'	Min 900 sx 50-50 poz-mix Sufficient to protect all productive zones.

SEE ATTACHMENTS FOR:

- 10 POINT PROGRAM
- 13 POINT SURFACE USE PLAN
- LOCATION PLAT
- LOCATION LAYOUT SHEET
- TOPO MAPS "A" AND "B"
- DIAGRAMS "A" AND "B"

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 DIVISION OF OIL GAS & MINING

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. Beer TITLE DISTRICT ENGINEER DATE 1-14-83
 (This space for Federal or State office use)

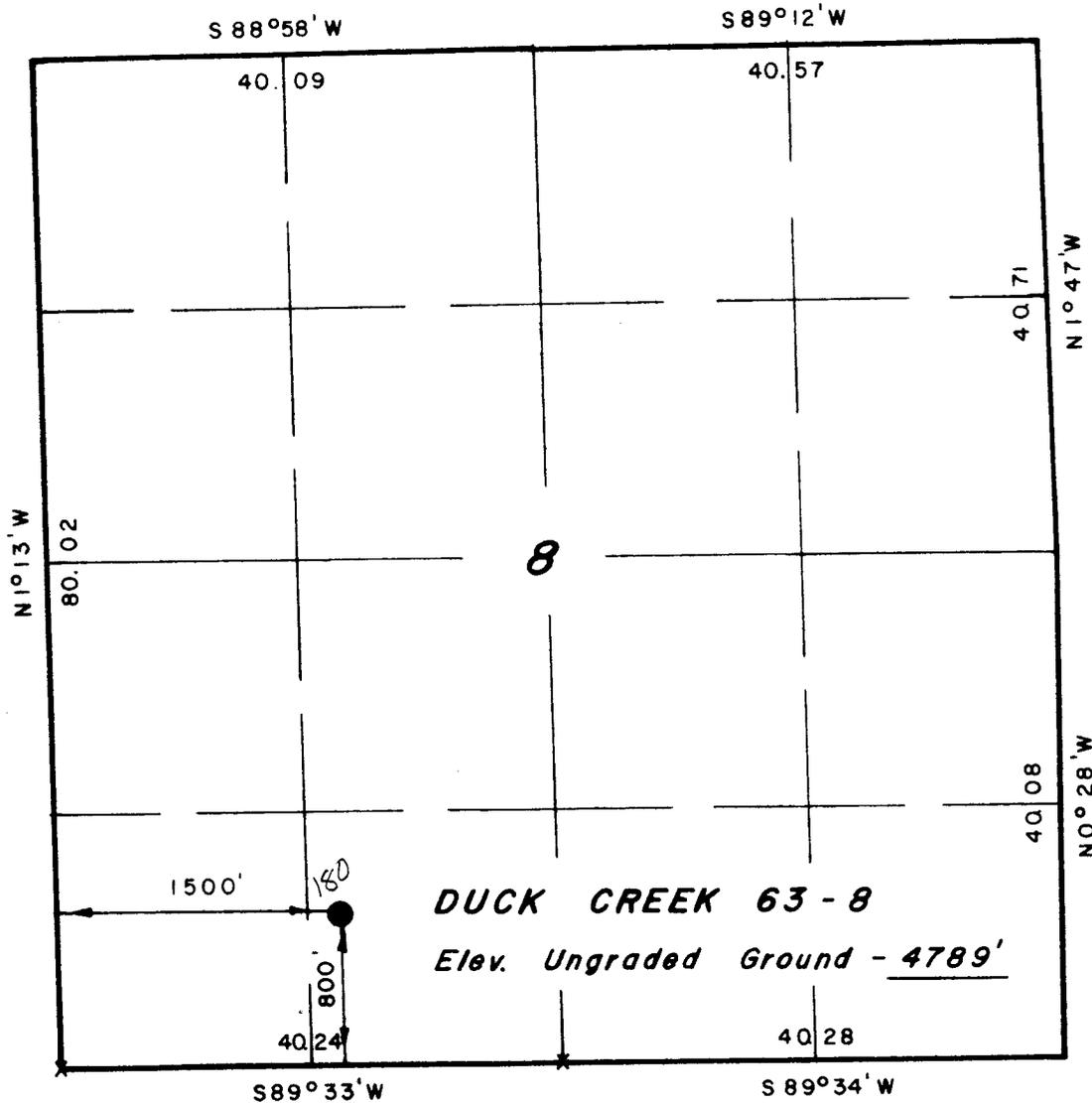
PERMIT NO. _____ APPROVAL DATE _____
 APPROVED BY _____ TITLE _____
 CONDITIONS OF APPROVAL, IF ANY:

APPROVED BY THE STATE OF UTAH DIVISION OF OIL, GAS, AND MINING
 DATE: 2-24-83
 BY: Thomas E. Stout

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

PROJECT
BELCO DEVELOPMENT CORP.

Well location, *DUCK CREEK 63-8*, located as shown in the SE 1/4 SW 1/4, Section 8, T 9 S, R 20 E, 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.

Lawrence P. Kay
 REGISTERED LAND SURVEYOR
 REGISTRATION NO 3137
 STATE OF UTAH

UINTAH ENGINEERING & LAND SURVEYING
 P.O. BOX Q - 85 SOUTH - 200 EAST
 VERNAL, UTAH - 84078

SCALE	1" = 1000'	DATE	12 / 13 / 82
PARTY	D.K. J.F. S.B.	REFERENCES	GLO Plat
WEATHER	Fair	FILE	BELCO

OPERATOR BELCO DEVELOPMENT CORP

DATE 1-21-83

WELL NAME DUCK CREEK 63-8

SEC SE SW 8 T 9S R 20E COUNTY UINTAH

43-047-31321
API NUMBER

FED
TYPE OF LEASE

POSTING CHECK OFF:

INDEX

HL

NID

PI

MAP

PROCESSING COMMENTS:

RTP ✓ River Junction Unit.

APPROVAL LETTER:

SPACING:

A-3

_____ UNIT

c-3-a

_____ CAUSE NO. & DATE

c-3-b

c-3-c

REMARKS:

Special attention is directed to compliance with the Order for Cause # 190-5 dated 1-27-83, which prescribes drilling procedure for oil shale designated areas.

RECONCILE WELL NAME AND LOCATION ON APD AGAINST SAME DATA ON PLAT MAP.

AUTHENTICATE LEASE AND OPERATOR INFORMATION

VERIFY ADEQUATE AND PROPER BONDING *FED*

AUTHENTICATE IF SITE IS IN A NAMED FIELD, ETC.

APPLY SPACING CONSIDERATION

ORDER NO

UNIT NO

c-3-b

c-3-c

OUTSTANDING OR OVERDUE REPORTS FOR OTHER WELLS OF THE OPERATOR.

IF POTASH DESIGNATED AREA, SPECIAL LANGUAGE ON APPROVAL LETTER

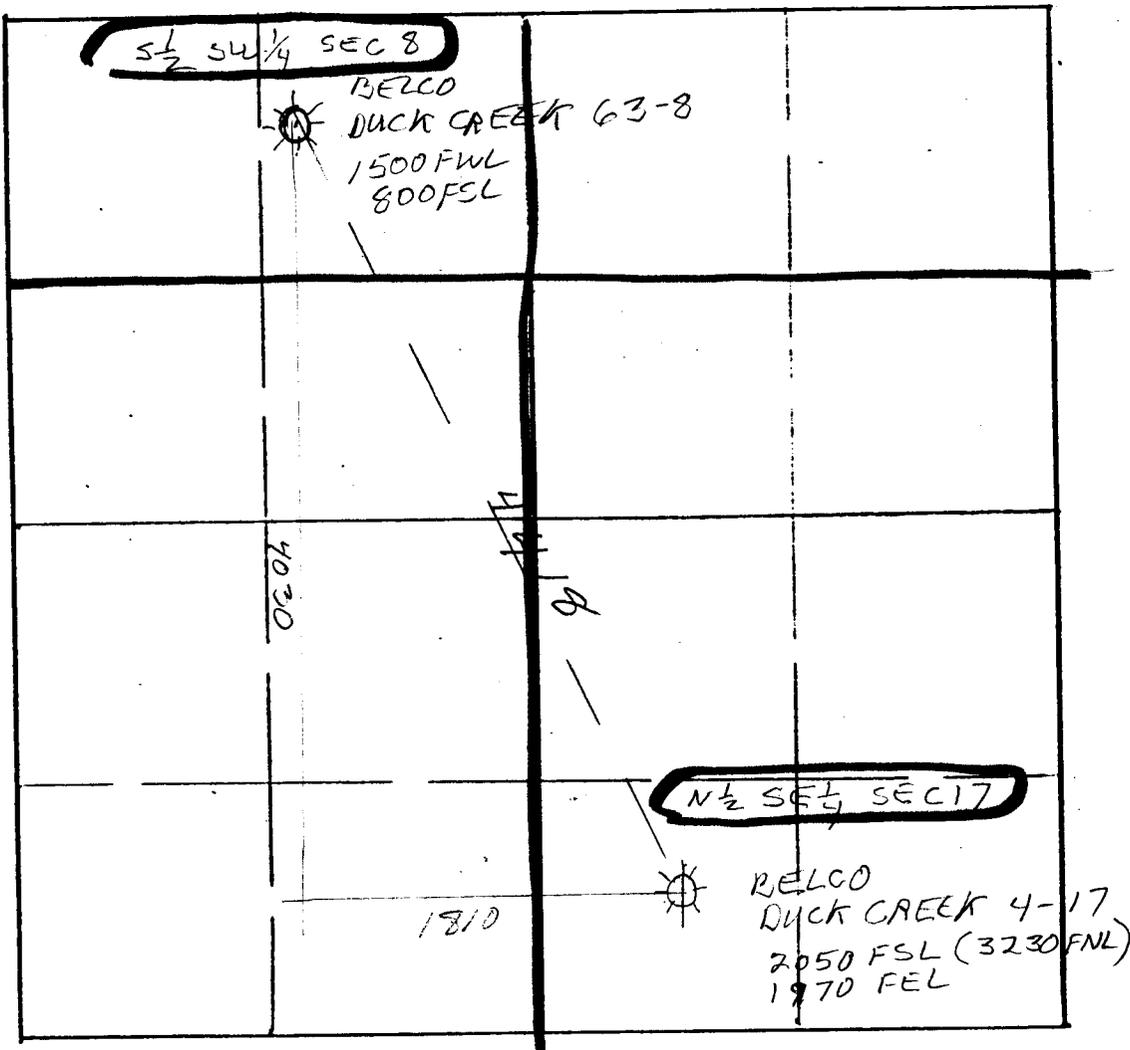
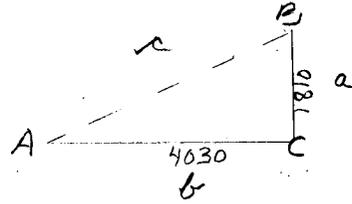
OIL SHALE

TAN A = 0.4491

COS A = 0.9122

$0.9122 = \frac{4030}{c}$

$c = \frac{4030}{.9122} = 4418$



SCALE: 1" = 1000'

Requires E-3-c report
as per Kathy Knutson
1-21-83
- Horn

Rec'd 2-23-83
Horn

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

Belco Development Corporation

Belco

February 18, 1983

Mr. Norman Strout
State of Utah
Division of Oil, Gas & Mining
4241 State Office Building
Salt Lake City, Utah 84114

SUBJECT: REQUEST FOR UNORTHODOX LOCATION
Duck Creek 63-8 - Holding File
Uintah County, Utah

Dear Sir,

Belco Development Corporation hereby requests that the above referenced well location be given an unorthodox location grant under rule C3 (c). The location of this well is 1525' FWL & 800' FSL, SE/SE Section 8, T9S, R20E, Uintah County, Utah. This exception is requested as the topography of the area is such that problems would be encountered during the building of the location under normal spacing requirements. Belco has all oil and gas lease rights within 660' of the above described location. The original footages have been adjusted by 25' to the east in order to meet MMS spacing requirements.

Very truly yours,



J. C. Ball
District Engineer

JCB/kk

cc: File

RECEIVED
FEB 23 1983

DIVISION OF
OIL, GAS & MINING

10 POINT PROGRAM

DUCK CREEK 63-8

1. GEOLOGIC SURFACE FORMATION

Uinta formation of the upper Eocene Age.

2. ESTIMATED TOPS OF IMPORTANT GEOLOGIC MARKERS

Uinta - Surface Green River - 1469' Wasatch - 5389'

3. ESTIMATED DEPTHS OF ANTICIPATED WATER, OIL, GAS OR MINERALS

Green River	1469' - 5389'	Oil shale zone
Wasatch	5389' - TD	Possible gas ✓

4. PROPOSED CASING PROGRAM

9 5/8" 36.0# K-55 casing set at + 200', cmtd to surf w/200 sx class "G" cmt
4 1/2" 11.6# K-55 casing set at +7609', cmtd w/min 900 sx 50-50 poz-mix,
adequate to protect all prod zones.

5. MINIMUM SPECIFICATIONS FOR PRESSURE CONTROL

The operators minimum specifications for pressure control equipment are as follows: 10", 3000 psi hydraulic doublegate BOP or equivalent. Press test of BOP to 1000 psi will be made prior to drilling surface plug and on each trip for bit.

6. TYPE AND CHARACTERISTICS OF THE PROPOSED CIRCULATION MUDS

It is proposed that the hole will be drilled to approximately +4500' with 3% KCL water as necessary in order to clean the hole. From 4500' to TD it is proposed to drill the well with mud. The mud system will be a water based, gel-chemical mud, weighted up to 10.5 ppg as required for gas control.

7. AUXILIARY EQUIPMENT TO BE USED

Auxiliary equipment to be used will be a 2", 2000 psi choke manifold and kill line, stabbing valve, kelly cock and visual mud monitoring.

8. TESTING, LOGGING AND CORING PROGRAMS

No coring or drill stem testing has been scheduled for this well. Logging will consist of DLL, CNL, FDC w/Caliper and Cyberlook.

9. ANTICIPATED ABNORMAL PRESSURE OR TEMPERATURES

It is not anticipated that abnormal hazards such as high pressures, temperatures or gas will be encountered.

10. ANTICIPATED STARTING DATE AND DURATION OF OPERATIONS

The anticipated starting date is February 10, 1983.
Drilling operations should be complete approximately 4 weeks after drilling commences.

DUCK CREEK 63-8
13 POINT SURFACE USE PLAN

1. EXISTING ROADS

The wellsite is located in the SE/SW of Section 8, T9S, R20E, 1500' FWL & 800' FSL, Uintah County, Utah. This is approximately 3.6 miles south of Ouray, Utah. Refer to the attached plat and topo maps for directions on reaching the proposed location site. Access to the wellsite will be over existing county roads and Belco's planned access road. See attached topo map "B" for all roads within a one mile radius of the proposed wellsite. Employees of Belco, it's contractors and subcontractors will be advised of BIA regulations concerning travel restrictions to established roads and wellsites only.

2. PLANNED ACCESS ROAD

Belco's planned access road is shown on the attached topo map "B". The access road will be approximately .2 of a mile and will enter the wellsite on the northeast edge. The access road will be a minimum 18' crown road with the maximum disturbed area not to exceed 24'. Maximum grade of the road will not exceed 2%. This will be a straight road with no turnouts. Surfacing material will be native borrow material from the cut area. No other materials for construction are anticipated at this time. No fences will be crossed, no cattle guards needed. The proposed road has been centerline flagged for the full distance. Right-of-Way and damages will be paid the Ute Tribe as per the resurvey by Uintah Engineering and their affidavit of completion.

3. LOCATION OF EXISTING WELLS

Belco's Duck Creek 26-8, 41-8 and 51-8 wells are within the same section, township and range.

4. LOCATION OF EXISTING AND PROPOSED FACILITIES

Existing production facilities near this proposed wellsite are the tank batteries and production facilities for the above three wells.

The attached location layout plan shows the proposed production facilities that will be utilized should this well produce gas. All production equipment owned and controlled by Belco will be kept on the pad, 200' x 400' inclusive of the reserve pit. The production tanks will be placed on the south east side of the location and will be painted to blend with the environment. Construction materials will be of the native borrow or cut exposed on the site and will be consistent with accepted oilfield standards and good engineering practices. A three strand barbed wire fence will be constructed and maintained in good order around any disposal pits during the drilling and completion phases of this well. When these pits are no longer needed or within 90 days, they will be allowed to dry and covered over with native borrow material and rehabilitated to conform with the surrounding areas. Pits will be lined. Guard rails will be constructed around the wellhead to prevent access to any livestock or wildlife in the area. The remaining pad not necessary for producing operations will be recontoured to conform with the natural grade and then rehabilitated as per BIA specifics.

5. LOCATION AND TYPE OF WATER SUPPLY

Water for this operation will be obtained from the White River at a point near the White River Bridge in Section 4, T9S, R20E and hauled by truck over existing roads and the planned access road. Water permit will be purchased from the BIA prior to starting drilling operations. No new roads or pipelines will be needed for this purpose. No water well will be drilled. No produced water is anticipated, however, if water is encountered, Belco will comply with all requirements of NTL-2B.

6. SOURCE OF CONSTRUCTION MATERIALS

All construction materials for this location site and access road will be of native borrow and soil accumulated during the construction of this location. No additional road gravel or additional materials are anticipated.

7. METHODS OF HANDLING WASTE MATERIAL DISPOSAL

Drill cuttings, drilling fluids, salts, chemicals and all produced fluids will be disposed of in the reserve pit on the location pad. This pit will be fully lined. A portable toilet will be provided for human waste during the drilling phase of the well. Garbage and other waste materials will be contained in a wire mesh cage and disposed of in an approved waste disposal facility. Immediately after the drilling rig moves off the location, the remaining trash and garbage will be collected and hauled away by truck. All pits will be fenced on the open side to protect domestic animals and wildlife. This reserve 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. WELLSITE LAYOUT

See the attached sheet which shows the cross section of the pad with details of cuts and fills, location of the reserve pit, pipe racks and excess cut stockpile. Also shown are rig orientation, parking area and access road. All pits will be fully lined to conserve water and will be fenced on the fourth side at the completion of drilling operations. Belco will initiate a plan for controlling noxious weeds alongside the location and access road in accordance with BIA specifics. A bench mark will be established near the wellsite showing the well number and the elevation of the site.

10. PLANS FOR RESTORATION OF SURFACE

Restoration activities shall begin no later than 90 days after the completion of the well. Once completion activities have commenced they shall be completed within 90 days. All pits will be allowed to dry and then will be backfilled. Any areas not needed for production operations shall be restored to as near the original contour as possible. The stockpiled topsoil (4" to 6" pushed to the southeast of the pad when location is being built) will be spread over the disturbed area.

10. RESTORATION OF SURFACE CONT...

After all production activities are ended, or if abandonment is required, the location site and access road will be reshaped to the original contour and remaining stockpiled soil spread over the disturbed area. Any drainages rerouted during the construction activities shall be restored to as near as possible their original line of flow. The location site and access road shall then be reseeded with a seed mixture recommended by the BIA at a time when the moisture content of the soil is adequate for seed germination.

11. OTHER INFORMATION

The topography of the area is relatively flat with a few rolling hills. The Green River runs to the north and west of this location. Vegetation consists mainly of sagebrush and native grasses, the soil is light brown, sandy clay. Birds, rodents and small reptiles are the only noticeable wildlife. The elevation of this location is 4789'. Minerals exploration is the only known surface use activity, no cultural or archeological sites are near the proposed location site. There are no occupied dwellings in the vicinity.

All lands involved are under BIA regulations. Belco employee's, contractors and subcontractors will be advised of BIA regulations governing this area. A sign stating the following will be placed on the access road to the location.

AUTHORIZED PERSONNEL ONLY
BELCO DEVELOPMENT CORPORATION
DUCK CREEK 63-8
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

12. LESSEE REPRESENTATIVE

Belco Development's representative for this operation will be Mr. J. C. Ball, District Engineer, P.O. Box X, Vernal, Utah 84078. Telephone: 801-789-0790.

13. CERTIFICATION

I hereby certify that I, or persons under my direct supervision have inspected the proposed drillsite and access route; that I am familiar with the conditions that presently exist, that the statements made herein are to the best of my knowledge correct; that the work associated with the operations herin proposed will be performed by Belco Development Corporation, it's contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved.

DATE 1-14-83

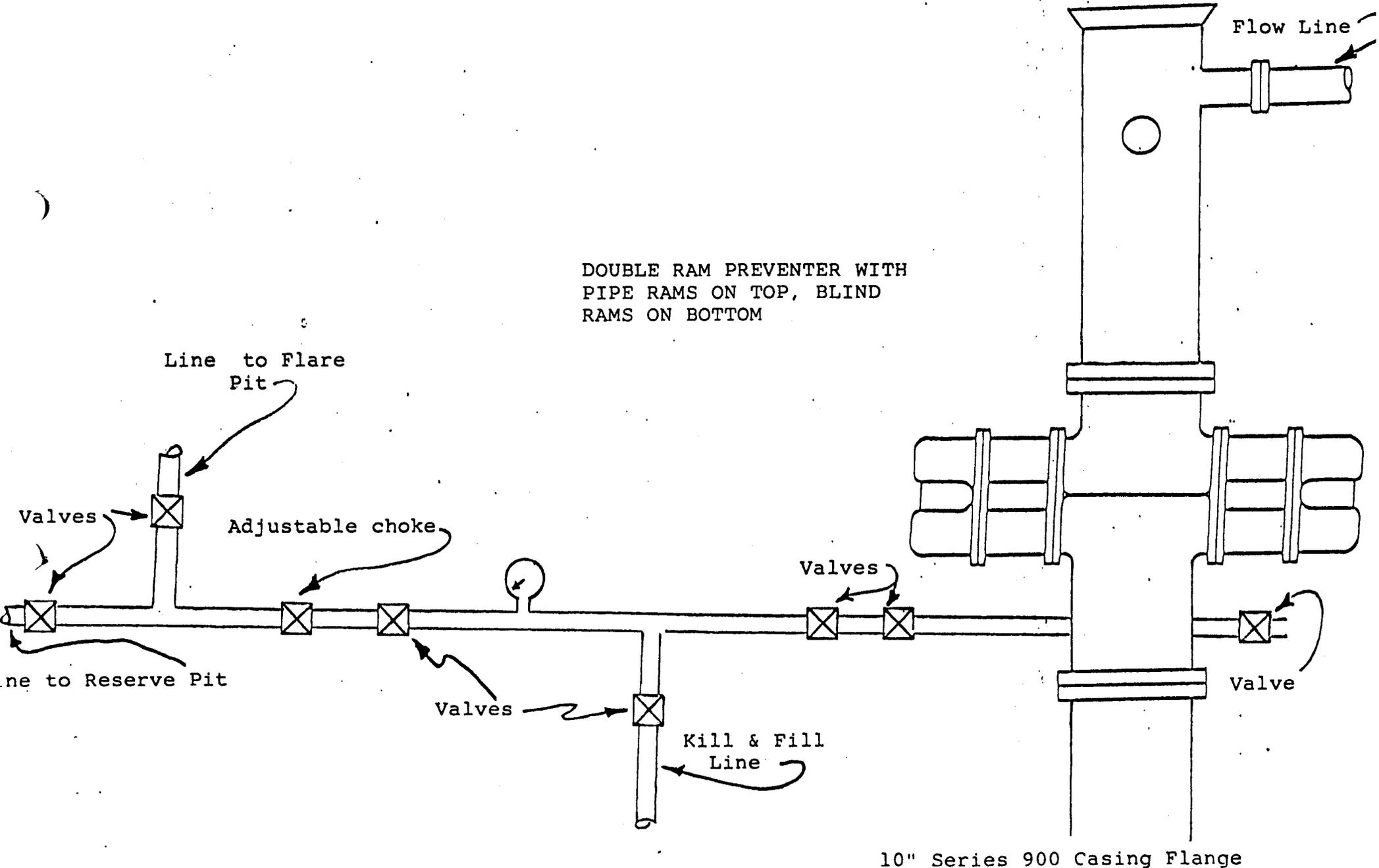


BELCO DEVELOPMENT CORPORATION

J. C. Ball
District Engineer

DIAGRAM B
BELCO DEVELOPMENT CORPORATION
BOP DESIGN

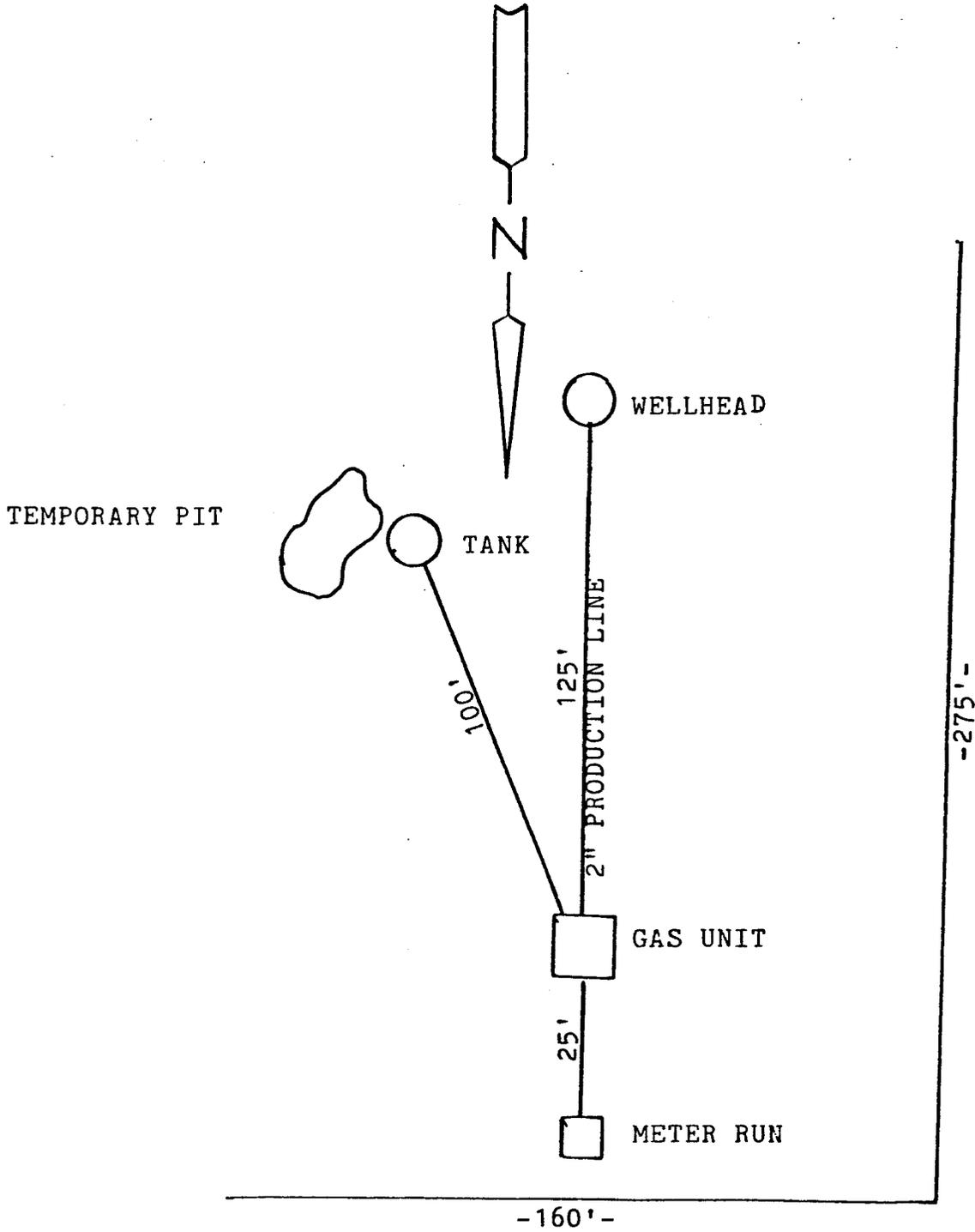
DOUBLE RAM PREVENTER WITH
PIPE RAMS ON TOP, BLIND
RAMS ON BOTTOM

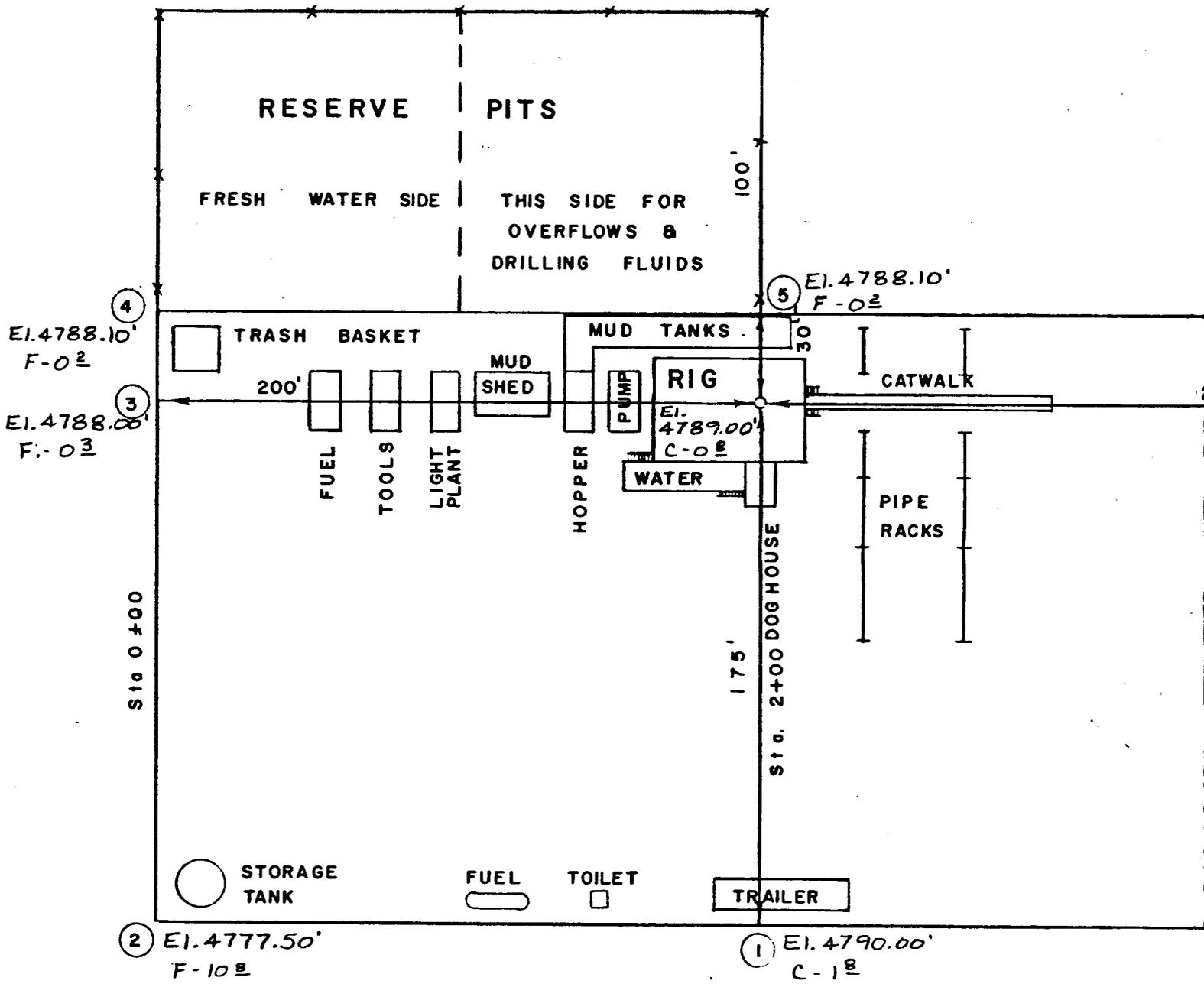


10" Series 900 Casing Flange

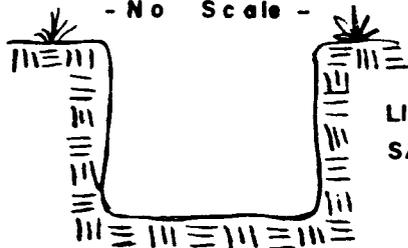
DIAGRAM "A"
BELCO DEVELOPMENT CORPORATION
PRODUCTION FACILITIES SCHEMATIC FOR GAS HOOK-UP

WELL NAME DUCK CREEK 63-8

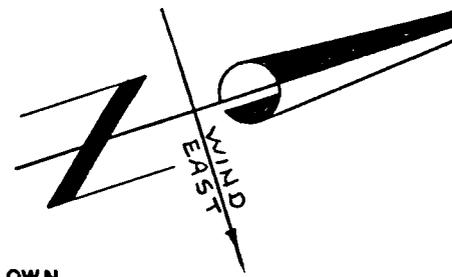




SOILS LITHOLOGY
- No Scale -



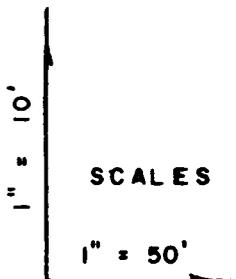
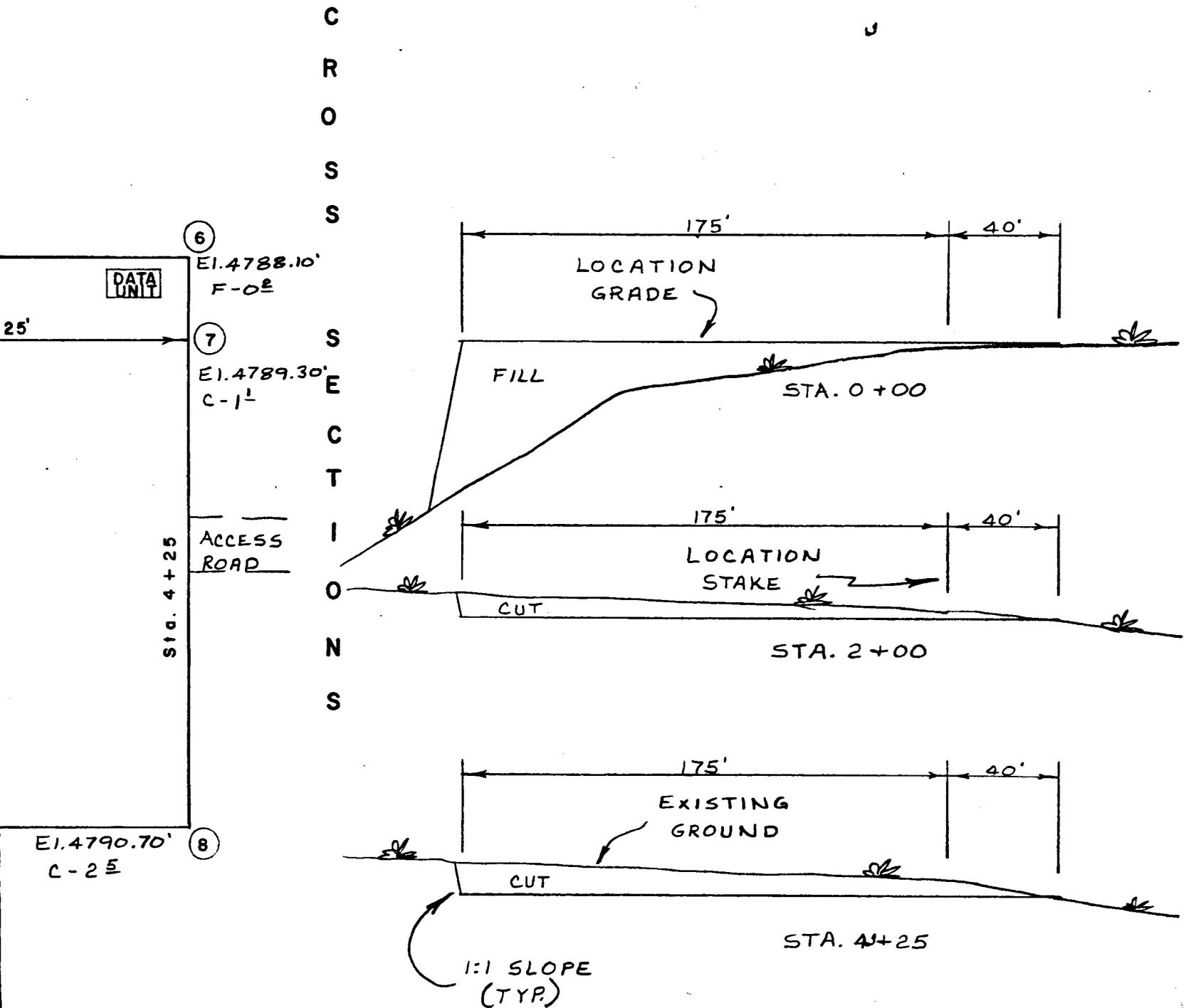
LIGHT BROWN SANDY CLAY



SCALE - 1" = 50'

DEVELOPMENT CORP.

DUCK CREEK 63-8



APPROXIMATE YARDAGES

CUBIC YARDS CUT = 3,194

CUBIC YARDS FILL = 2,664

BELCO DEVELOPEMENT CORP.

PROPOSED LOCATION

DUCK CREEK #63-8

TOPO.

MAP "B"



SCALE - 1" = 2000'

ROAD CLASSIFICATION

Light-duty

Unimproved dirt

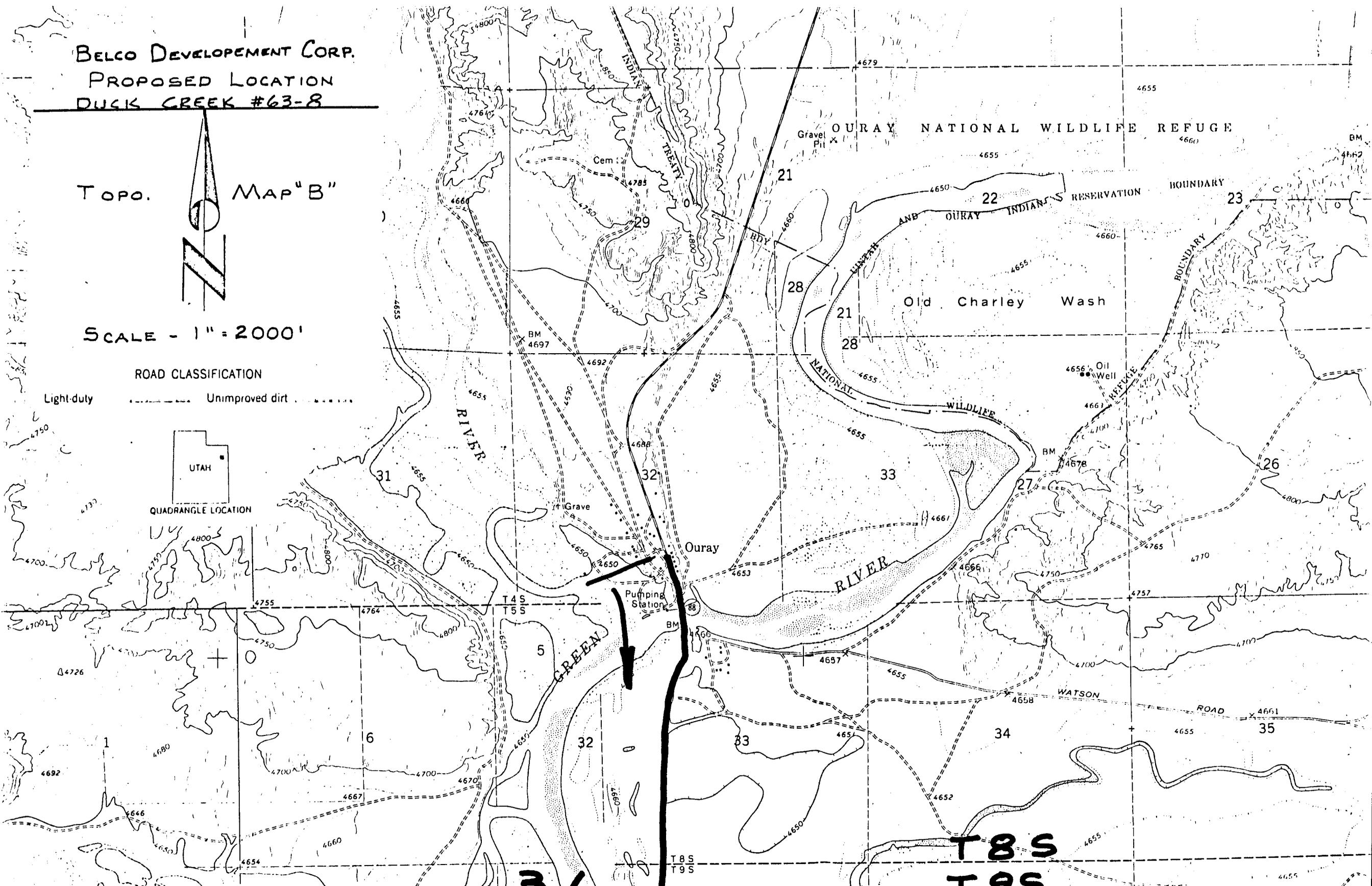
QUADRANGLE LOCATION

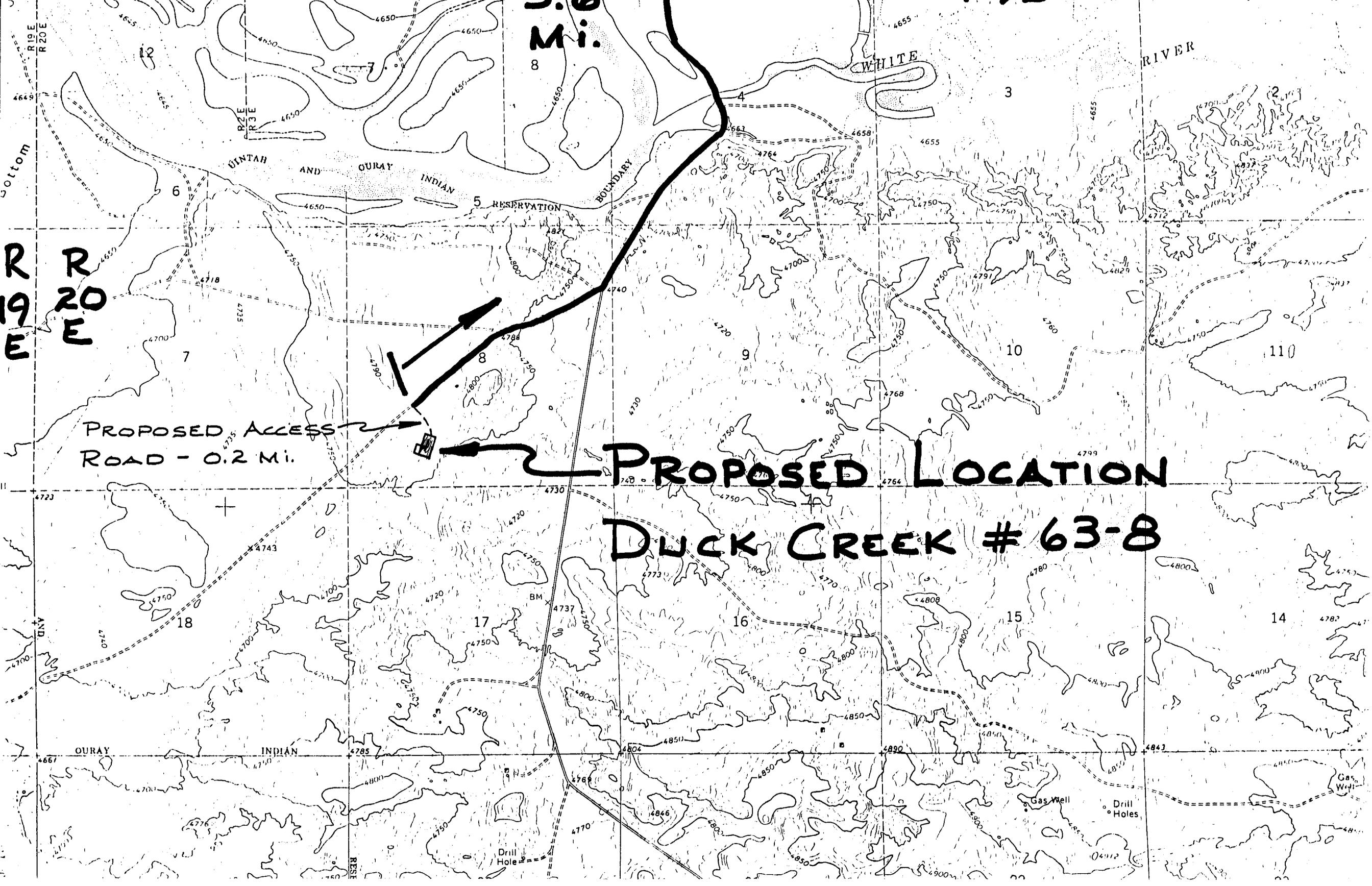
UTAH

QUADRANGLE LOCATION

T8S
T9S

T8S
T9S





3.6
Mi.

R
19
E

R
20
E

PROPOSED ACCESS
ROAD - 0.2 Mi.

PROPOSED LOCATION
DUCK CREEK #63-8

UINTAH AND OURAY
INDIAN RESERVATION

WHITE RIVER

RIVER

OURAY INDIAN RESERVATION

Gas Well
Drill Holes

Drill Hole

Gas Well

BELCO DEVELOPEMENT CORP.

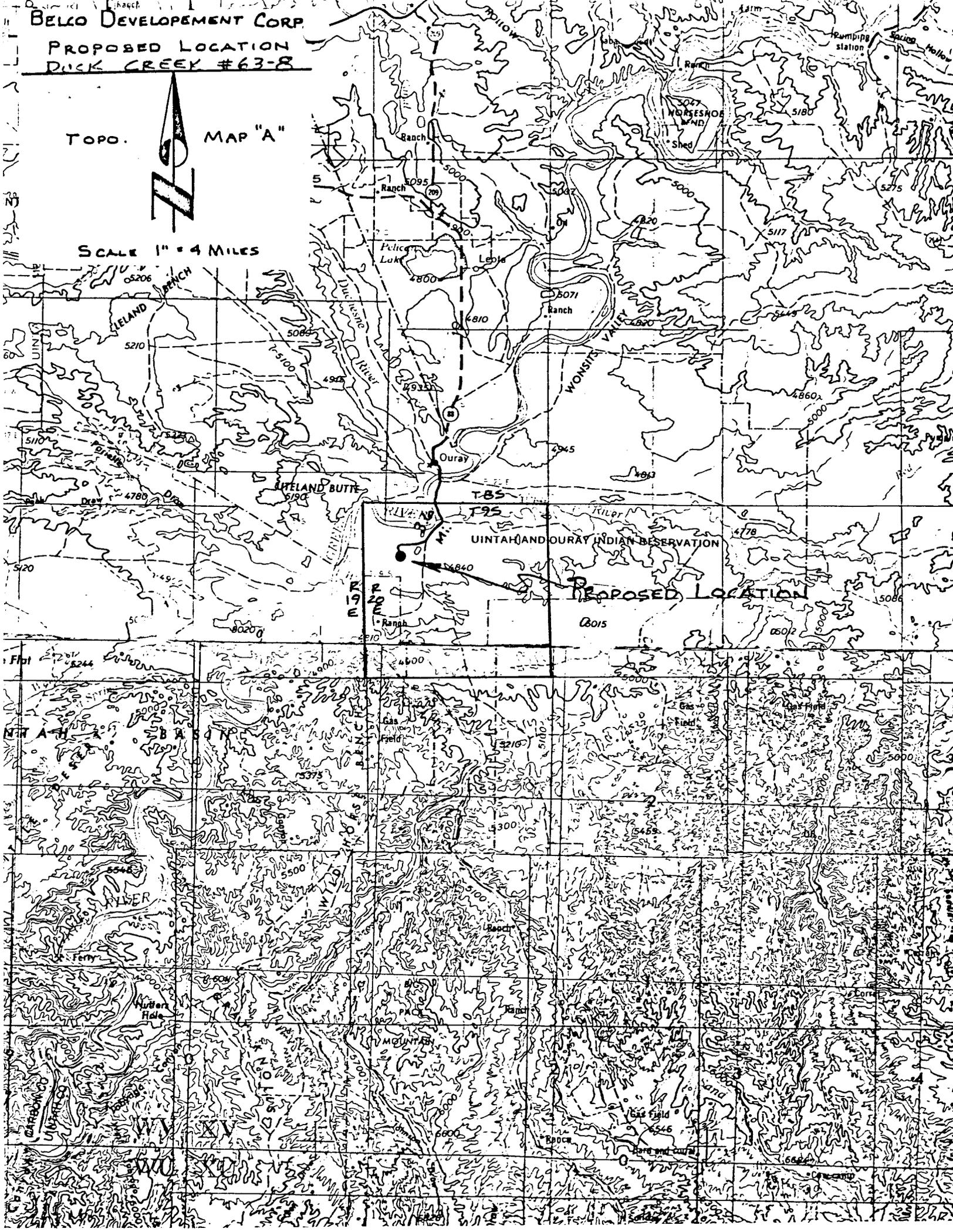
PROPOSED LOCATION
DUCK CREEK #63-8

TOPO.

MAP "A"



SCALE 1" = 4 MILES



PROPOSED LOCATION

UINTAH AND OURAY INDIAN RESERVATION

MAP A-H

WILSON

MOUNTAIN

Gas field

Camp

February 24, 1983

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

RE: Well No. Duck Creek 63-8
SESW Sec. 8, T.9S, R.20E
Uintah County, Utah

Gentlemen:

Insofar as this office is concerned, approval to drill the above referred to gas 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. Special attention is directed to compliance with the Order for Cause M190-5 dated January 27, 1983, which prescribes drilling procedures for oil shale designated areas.

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

RONALD J. FIRTH - Chief Petroleum Engineer
O Office: 533-5771
Home: 571-6068

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 43-047-31321.

Sincerely,


Ronald J. Firth
Chief Petroleum Engineer

RJF/as
cc: Oil & Gas Operations
Enclosure

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

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 BELCO DEVELOPMENT CORPORATION

3. ADDRESS OF OPERATOR
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 U-15725 U-01562-8

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 UTE TRIBE SURFACE

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 River Junction

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 DUCK CREEK

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 63-8

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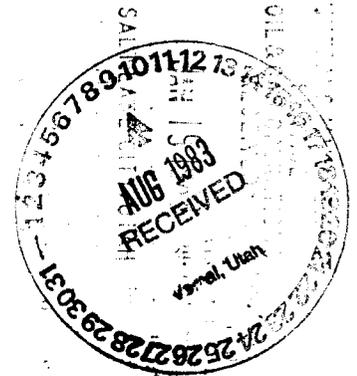
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- DIAGRAMS "A" AND "B"



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24. SIGNED J. Beer TITLE DISTRICT ENGINEER DATE 1-14-83

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY J. H. Hansen TITLE Dist Mgr DATE 8-10-83

CONDITIONS OF APPROVAL, IF ANY _____

CONDITIONS OF APPROVAL ATTACHED TO OPERATOR'S COPY

*See Instructions On Reverse Side

NOTICE OF APPROVAL

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

State 046

Belco Development Corporation
Well No. 63-8
Section 8, T.9S., R.20E.
Uintah County, Utah
Lease U-01562-B

Supplemental Stipulations:

1. Operator employees, including subcontractors, will not carry firearms or other weapons that may be used to kill game animals.
2. Operator employees, including subcontractors, will be confined to established roads and well sites. The purpose of this is to prevent soil erosion, and to prevent harassment of game animals or livestock with off-road vehicles such as snowmobiles, motorcycles, 4-wheel drives, etc.
3. Operator employees, including subcontractors, will not gather fire wood along roads constructed by operators. It is the policy of the Ute Indian Tribe and the Bureau of Indian Affairs to require wood permits from the Forestry Section of B.I.A. for both Indians and non-Indians harvesting wood from the Uintah and Ouray Reservation.
4. Abandoned well sites, roads, or other disturbed areas will be restored to near their original condition. This procedure will include: (a) stockpiling the topsoil, (b) establishing original ground contour, (c) reestablishing irrigation systems where applicable, (d) reestablishing topsoil to the ground surface on disturbed areas, (e) reestablishing soil conditions in irrigated fields in such a way as to insure cultivation and harvesting of crops and (f) insuring revegetation of the disturbed areas to the specifications of the Ute Indian Tribe or the B.I.A. at the time of abandonment.
5. Production water will be disposed of at approved disposal pits or injection wells. The injection well or disposal pit used will be identified by legal description.
6. All roads constructed by operators on the Uintah and Ouray Indian Reservation will have appropriate signs. Signs will be neat and of sound construction. They will state: (a) that the land is owned by the Ute Indian Tribe, (b) the name of the operator, (c) that firearms are prohibited to all non-Ute Tribal members, (d) that permits must be obtained from the B.I.A. before cutting firewood or other timber products and (e) only authorized personnel permitted.
7. It is the policy of the B.I.A. and the Ute Indian Tribe to make right-of-ways available, without cost, to operators when both mineral rights and surface rights are owned by the Ute Indian Tribe. If the surface rights are owned by the Ute Indian Tribe and minerals rights are owned by another entity, the right-of-way will be approved and charges will be assessed for damages prior to the time the operator begins any construction activities. If the surface is owned by another entity and the mineral rights are owned by the Ute Indian Tribe, right-of-ways must be cleared with the other entity.

8. If water or fill materials are needed in constructing roads, well sites, or are used in the drilling process, proper permits are needed. Information for permits will include: (a) the approximate amount of water or materials needed, (b) location and ownership of the water rights or materials to be used and (c) the approximate amount of time the water or materials will be used.

9. When soils are disturbed and natural vegetation destroyed, it is a natural process for annual weeds to invade the site. Often noxious weeds will grow, especially along roadways where seeds can be carried from place to place in dust and mud collecting on motorized vehicles. The operator will submit a plan for controlling noxious weeds along right-of-ways for roads, pipelines, well sites or other applicable facilities. A list of noxious weeds can be obtained from the appropriate county.

10. Candy wrappers, beverage cans, construction materials, etc., will not be littered along roadways or other sites. The operator will initiate a procedure to keep the sites free from litter, and keep them groomed in a neat and professional condition.

11. A bench mark will be established near each well site in a location where it will not be destroyed. The bench mark will be set in concrete with a brass cap. The brass cap will show the well number and elevation to the nearest one-tenth of a foot. The cuts/fills for the well site will also show elevations in relation to the bench mark.

12. Production facilities will be placed on the East edge of the location to insure rehabilitation efforts.

13. Topsoil will be placed on the East edge of the location and brought back after drilling is completed.

14. A water permit will be provided by the Ute Tribe for water.

15. Adequate and sufficient electric/radioactive logs will be run to locate and identify the prime oil shale horizons and gilsonite and saline minerals in the Mahogany zone of the Green River Formation. Casing and cementing programs will be adjusted to eliminate any potential influence of the well bore or productive hydrocarbon zones on the oil shale and gilsonite and saline minerals resource. Surface casing program may require adjustment for protection of fresh water aquifers. (See attached tentative casing and cementing program for the Uinta Basin.)

ADDITIONAL STIPULATIONS FOR PRODUCTION FACILITIES

Your Application for Permit to Drill also included a submittal for production facilities. These production facilities are approved for the lessee and his designated operator under Section 1 of the Oil and Gas Lease with the following conditions:

- (1) The oil and gas measurement facilities must be installed on the well location. The oil and gas meters will be calibrated in place prior to any deliveries. Tests for meter accuracy are to be conducted monthly for the first three months on new meter installations and at least quarterly thereafter. Please provide this office with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports are to be submitted to the Salt Lake City District Oil and Gas Supervisor. Royalty payments will be made on all production volume as determined by the meter measurements or the tank measurements. All measurement facilities must conform with the API standards for liquid hydrocarbons and the AGA standard for natural gas measurement.
- (2) Gas meter runs for each well will be located within 500 feet of the wellhead. The gas flowline will be buried from the wellhead to the meter and 500 feet downstream of the meter run or any production facilities. Meter runs must be housed and/or fenced.
- (3) All disturbed areas not required for operations will be rehabilitated.
- (4) All produced liquids must be contained including the dehydrator vent/condensate line effluent. All production pits must be fenced.
- (5) The well activity, the well status and the date the well is placed on production must be reported on Lessee's Monthly Report of Operations, Form 9-329.
- (6) All off-lease storage, off-lease measurement, or commingling on lease or off-lease must have written approval.
- (7) All product lines entering and leaving hydrocarbon storage tanks must be locked/sealed.
- (8) You are reminded of the requirements for handling, storing, or disposing of water produced from oil and gas wells under NTL-2B.
- (9) All materials, trash, junk, debris, etc. not required for production must be removed from the well site and production facility site at the completion of these operations.
- (10) A copy of the Gas Sales Contract will be provided to this office and the Royalty Accounting Department as directed.
- (11) Construction and maintenance for surface use approved under this plan should be in accordance with the surface use standards as set forth in the BLM/GS Oil and Gas Brochure entitled, "Surface Operating Standards for Oil and Gas Exploration and Development." This includes, but is not limited to, such items as road construction and maintenance, handling of top soil and rehabilitation.
- (12) "Sundry Notice and Reports on Wells" (form 9-331) will be filed for all changes of plans and other operations in accordance with 30 CFR 221.58. Emergency approval may be obtained verbally, but such approval does not waive the written report requirement. Any additional construction, reconstruction, or alternations of facilities, including roads, gathering lines, batteries, measurement facilities, etc., will require the filing of a suitable plan and prior approval by the survey.



United States Department of the Interior

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

February 2, 1981

General Outline for the Protection and Isolation of Ground Water and Oil Shale in the Uinta Basin.

The oil shale occurs with varying thicknesses in most parts of the Uinta Basin and at varying depths. Ground water also occurs at varied depths above and below the Oil Shale. These ground waters have varying degrees of salinity. Nonetheless, drilling for hydrocarbon in the Uinta Basin should provide for the protection of the oil shale and the ground water if either is present.

The protection of the oil shale and the ground water can effectively be carried on through the design of an adequate casing and cementing program for each well drilled in the area.

In the Uinta Basin, water occurs mainly in the Uinta and the Green River formations. As drilling for hydrocarbon gets deeper into the crust of the earth, more ground water might be encountered and will be protected as it is encountered.

This notice's purpose is to attempt to lay the groundwork for a casing program and cementing program that will protect the oil shale and the ground water if present.

These programs are to be considered as guidelines. The specificity of casing depth, amount of cement and the depth of staging collars will be considered on an individual basis after a careful study of the logs of each individual well. Cementing from the bottom up is an economical solution if carefully conducted.

The casing and cementing program presented here as an example, will assume that fresh water was encountered in the upper parts of the Green River, that the oil shale occurs in the middle of the Green River (1000 foot section) and that some ground water is encountered in the lower parts of the Green River.

In this case, three areas will have to be cemented to assure the integrity of the ground water and oil shale: These areas are above the upper fresh water, across the oil shale and below the lower water aquifer. Deep aquifers that do not contain useful water are cemented to prevent water zone influence on production.

The following casing and cementing program will be appropriate for this example:

- A. Surface casing is set at approximately 300 feet and cemented to the surface.

- B. The next casing string will be set at approximately 300 feet below the lowest aquifer. Cementing will be done in three stages, using two stage collars and cement baskets or equivalent as described below and on attached sketches:
1. Cement first stage through the casing shoe to fill annulus back to base of lower aquifer.
 2. Place 1st stage collar (with cement basket immediately below) at a selected point at the base of the oil shale. Cement will have to reach top of oil shale.
 3. Place 2nd stage collar (with cement basket immediately below) 50 feet above the top of the Bird's Nest aquifer and cement to at least 300 feet above the stage collar.
- C. The above is an example. Reasonable equivalents that accomplish these same protective measures, (such as cementing the water zones instead of isolating them), depending on the individual cases will be considered for approval.
- D. When the above mentioned well is to be abandoned, inner-casing plugs will have to be placed at the same depth as the above mentioned annulus cement jobs.

The use of cement bond logs will verify the authenticity of the cement job performed.

- E. The Operator of such well should notify U.S.G.S. 48 hours prior to commencement of casing and cementing activity, so a technician could be dispatched to witness the operations to verify compliance with casing and cementing program.

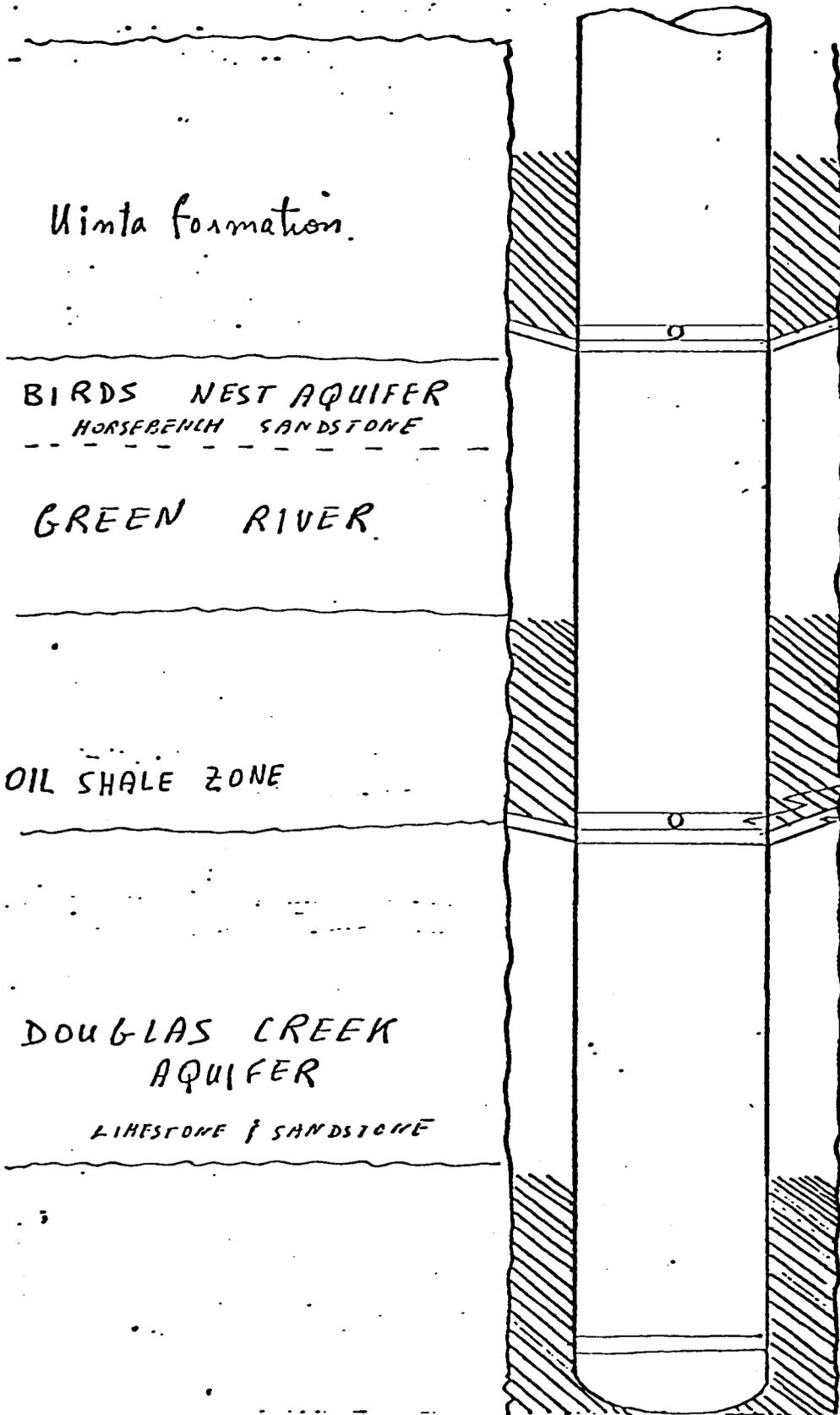
Attached Sketches:

1. Schematic of the required casing and cementing program.
2. Cross section of the Uinta Basin.
3. Schematic of the general ground water protection program.

E. W. Guynn
District Oil and Gas Supervisor

AMR/kr

PARTIAL CASING & CEMENTING PROGRAM FOR WELLS
 NATURAL BUTTES FIELD. HINTAH COUNTY, UTAH



NO SCALE

CEMENT BASKET IS PLACED
 50' ABOVE TOP AQUIFER
 CEMENT TO RISE
 LEAST 300' IN ANNULUS

STAGE COLLAR
 CEMENT BASKET

CEMENT BASKET IS SET IN
 CONSOLIDATED SECTION AT THE
 BASE OF THE OIL SHALE ZONE
 CEMENT TO REACH THE TOP
 OF THE MAHOGANY ZONE

CEMENT WILL REACH BASE
 OF LOWER AQUIFER

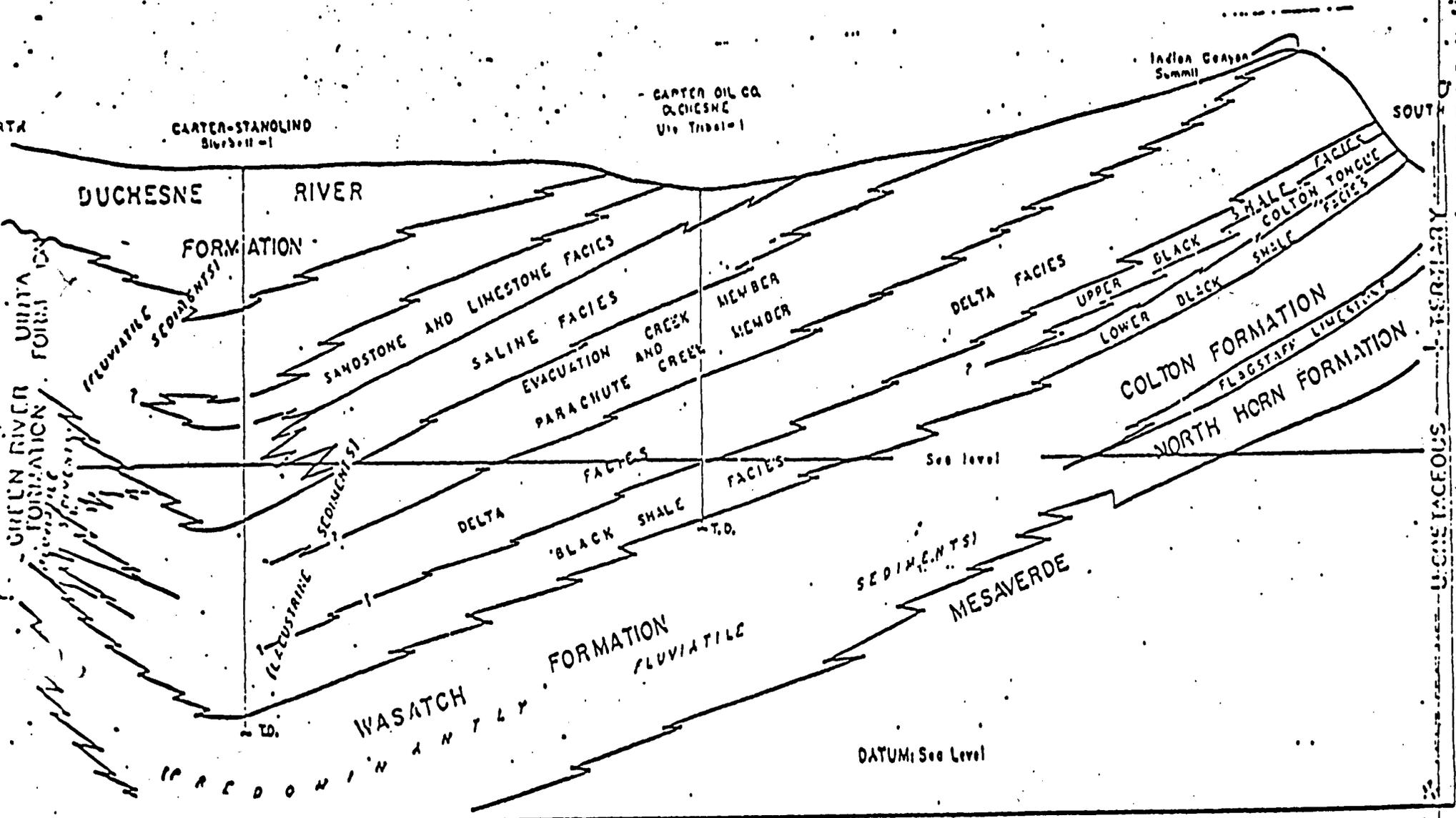


Figure 5.- View east of cross section of Uinta Basin showing stratigraphy and intertonguing of Tertiary rocks. Ute Tribal-1 (in section) is located about 8 miles southeast of the application area.

W
H₂O
x

DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

NAME OF COMPANY: BELCO

WELL NAME: DUCK CREEK 63-8

SECTION SESW 8 TOWNSHIP 9S RANGE 20E COUNTY Uintah

DRILLING CONTRACTOR _____

RIG # _____

SPUDED: DATE 8-27-83

TIME 6:00 PM

HOW Air Spud

DRILLING WILL COMMENCE _____

REPORTED BY Kathy Knudsen

TELEPHONE # 789-0790

DATE 8-31-83 SIGNED AS

NOTICE OF SPUD

no WR needed
prior to
8/3

Company: Belco

Caller: Kathy

Phone: _____

01 1983

Well Number: 63-8

Location: Sec. 8- 95-20E

County: Uintah State: Utah

Lease Number: 21-15725

Lease Expiration Date: _____

Unit Name (If Applicable): _____

Date & Time Spudded: 6:00 P M 8-27-83

Dry Hole Spudder/Rotary: _____

Details of Spud (Hole, Casing, Cement, etc.) _____

Rotary Rig Name & Number: _____

Approximate Date Rotary Moves In: _____

FOLLOW WITH SUNDRY NOTICE

Call Received By: DuLais

Date: 8-30-83

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

Belco Development Corporation

Belco

RECEIVED

SEP 01 1983

DIVISION OF
OIL, GAS & MINING

DIVISION OF
OIL, GAS & MINING

August 31, 1983

Bureau of Land Management
Oil and Gas Operations
2000 Administration Building
1745 West 1700 South
Salt Lake City, Utah 84104

SUBJECT: Designation of Agent Change
Duck Creek 63-8
Uintah County, Utah

Dear Sirs,

Attached, in triplicate, is a Sundry Notice advising you of the change in Designation of Agent for the above subject well and also a copy of the Designation of Agent as signed by Unit Operator D. W. Cannon.

Very truly yours,

Kathy Knutson
Kathy Knutson
Engineering Clerk

/kk
attachments

cc: Division of Oil, Gas & Mining
Denver
Files

RECEIVED
SEP - 1 1983
DIV. OF OIL, GAS & MINING

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: 1525' FWL & 800' FSL SE/SW
AT TOP PROD. INTERVAL:
AT TOTAL DEPTH:

5. LEASE
U-15725

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

7. UNIT AGREEMENT NAME
River Junction

8. FARM OR LEASE NAME
DUCK CREEK

9. WELL NO.
63-8

10. FIELD OR WILDCAT NAME

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

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

14. API NO.
43-047-31321

15. ELEVATIONS (SHOW DF, KDB, AND WD)
4789' NAT 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) CHANGE DESIGNATION OF AGENT		

(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.)*

ATTACHED IS A NEW DESIGNATION OF AGENT NAMING W. C. INVESTMENTS AS AGENT FOR THE DRILLING AND COMPLETION OF THE ABOVE WELL.

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

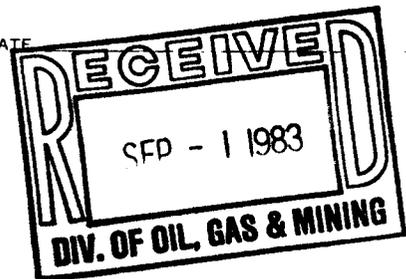
18. I hereby certify that the foregoing is true and correct

SIGNED Jacky D. Newton TITLE ENG CLERK DATE 8-30-83

(This space for Federal or State office use)

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

*See Instructions on Reverse Side



DESIGNATION OF AGENT

Supervisor, Oil and Gas Operations:

The undersigned is, on the records of the Geological Survey, Unit Operator under the River Junction unit agreement, Uintah County, Utah (state), No. 14-08-0001-8649 approved December 17, 1964 and hereby designates:

NAME: W. C. Investments

ADDRESS: 4901 W. 21st South
 Salt Lake City, Utah 84120

as it's agent, with full authority to act in its behalf in complying with the terms of the Unit Agreement and regulations applicable thereto and on whom the supervisor or his representative may serve written or oral instructions in securing compliance with the Oil and Gas Operating Regulations with respect to drilling, testing, and completing unit well No. 63-8 in SE $\frac{1}{4}$ /SW $\frac{1}{4}$, Sec. 8, T 9S, R. 20E, Uintah County, Utah.

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

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

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

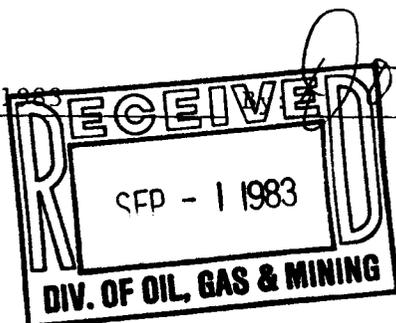
This designation of agent is deemed to be temporary and in no manner a permanent arrangement.

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

Donald W. Cannon

Unit Operator

August 30, 1983
Date



Donald W. Cannon

Donald W. Cannon

**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
W. C. Investments, Ltd.

3. ADDRESS OF OPERATOR
4901 West 2100 So., Salt Lake City, UT 84120

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 1500 FWL 800' FSL
AT TOP PROD. INTERVAL:
AT TOTAL DEPTH: Same

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

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

5. LEASE 4-0125822,
4-016869-A 4-01562-B

6. IF INDIAN, ALLOTTEE OR TRIBE NAME _____

7. UNIT AGREEMENT NAME
River Junction Unit

8. FARM OR LEASE NAME _____

9. WELL NO.
63-8 Duck Creek

10. FIELD OR WILDCAT NAME
Duck Creek

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
SEC 3, T9S, R20E,
W $\frac{1}{2}$ SE $\frac{1}{4}$, E $\frac{1}{2}$ SW $\frac{1}{4}$

12. COUNTY OR PARISH Uintah 13. STATE Utah

14. API NO. _____

15. ELEVATIONS (SHOW DF, KDB, AND WD)
4739 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.)*

12-13-83 Status: Shut-in Pending Sale of Gas

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

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

SIGNED *Lyell Campbell* TITLE Partner DATE 2/20/84

(This space for Federal or State office use)

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE

(See other instructions on reverse side)

Form approved.
Budget Bureau No. 1004-0137
Expires August 31, 1985

14

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

W. C. Investments, Ltd. (New Operator - Summary to follow)

3. ADDRESS OF OPERATOR

4901 West 2100 So., Salt Lake City, Utah 84120

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*

At surface 1500' FWL 800' FSL

At top prod. interval reported below

SBSW

At total depth Same

14. PERMIT NO. 43-047-31321 DATE ISSUED 8-10-83

5. LEASE DESIGNATION AND SERIAL NO.
4-0125822, 4-016869-A
4-01562-B

7. UNIT AGREEMENT NAME

River Junction Unit

8. FARM OR LEASE NAME

9. WELL NO.

63-8 Duck Creek

10. FIELD AND POOL, OR WILDCAT

Duck Creek

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

Sec 8, T9S, R20E

W $\frac{1}{2}$ SE $\frac{1}{4}$, E $\frac{1}{2}$ SW $\frac{1}{4}$

12. COUNTY OR PARISH

Uintah

13. STATE

Utah

15. DATE SPUDDED 16. DATE T.D. REACHED 17. DATE COMPL. (Ready to prod.) 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* 19. ELEV. CASINGHEAD

Aug 30 1983

Oct 12 1983

Dec 2 1983

4789 GL

4792

20. TOTAL DEPTH, MD & TVD 21. PLUG, BACK T.D., MD & TVD 22. IF MULTIPLE COMPL., HOW MANY* 23. INTERVALS DRILLED BY 24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* 25. WAS DIRECTIONAL SURVEY MADE

7583

Wasatch Formation
6950' - 6974

Total Depth

No

26. TYPE ELECTRIC AND OTHER LOGS RUN 27. WAS WELL CORED

Compensated density & compensated Neutron, Gamma, Dual Laterolog, CBL

No

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

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
4 $\frac{1}{2}$ "	1160#	7432'	7 7/8"	500 SK Lead 630 SK Tail	None

29. LINER RECORD 30. TUBING RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
N/A					2 3/8"	6989'	

31. PERFORATION RECORD (Interval, size and number) 32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
6950 - 6974	70% Foam/63,000 lbs 20/40 Sand
	750 Bbls. Foam
	230 Bbls. Fluid
	3900 Avg PSI

33.* PRODUCTION

DATE FIRST PRODUCTION 12/13/83 PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) Flowing WELL STATUS (Producing or shut-in) Shut-in WOPL

DATE OF TEST 12/13/83 HOURS TESTED 24 CHOKE SIZE 8/64 PROD'N. FOR TEST PERIOD 0 OIL—BBL. 460 GAS—MCF. 1.5 WATER—BBL. No Oil GAS-OIL RATIO

FLOW. TUBING PRESS. 750 CASING PRESSURE 1,000 CALCULATED 24-HOUR RATE 0 OIL—BBL. 460 GAS—MCF. 1.5 WATER—BBL. OIL GRAVITY-API (CORR.)

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

35. LIST OF ATTACHMENTS Logs

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

SIGNED Lyle K. Campbell TITLE Partner DATE Feb 20 1984

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

ICM

4899 West 21st South • Salt Lake City, Utah 84120 • Phone (801) 974-0388

February 27, 1984

RECEIVED
FEB 29 1984

**DIVISION OF
OIL, GAS & MINING**

State of Utah
Oil & Gas Division
4241 State Office Bldg.
Salt Lake City, Utah 84114

Dear Sirs,

Please find enclosed two (2) copies of (1) 63-8 Duck Creek Well Completion Report and (2) 63-8 Duck Creek Status Report.

Very truly yours,

ICM EQUIPMENT



Gary Bagley
General Manager

GB/dm
Encl.



4899 West 21st South • Salt Lake City, Utah 84120 • Phone (801) 974-0388

March 5, 1984

RECEIVED
MAR 7 1984

Claudia Jones
Utah Division Oil, Gas & Mining
4241 State Office Bldg.
Salt Lake City, Utah 84114

DIVISION OF
OIL, GAS & MINING

Ref: W. C. Investments - Operator
63-8 Duck Creek Well
Uintah County, Utah

Dear Claudia,

Per our phone conversation this day, please find enclosed a copy of
Designation of Agent change which was filed with the BLM for the operation
of this well.

Very truly yours,

ICM EQUIPMENT

Gary Bagley
General Manager

GB/dm
Encl.



STATE OF UTAH
NATURAL RESOURCES
Oil, Gas & Mining

Scott M. Matheson, Governor
Temple A. Reynolds, Executive Director
Dianne R. Nielson, Ph.D., Division Director

4241 State Office Building • Salt Lake City, UT 84114 • 801-533-5771

April 9, 1984

W.C. Investments, Ltd.
491 West 2100 South
Salt Lake City UT 84120

RE: Well No. Duck Creek 63-8
API #43-047-31321
800' FSL, 1500' FWL SE/SW
Sec. 8, T. 9S, R. 20E.
Uintah County, Utah

Gentlemen:

According to our records, a "Well Completion Report" filed with this office February 20, 1984 on the above referred to well, indicates the following electric logs were run: CD/CN, Gamma, DLL, and CBL. As of today's date, this office has not received these logs.

Rule C-5, General Rules and Regulations and Rules of Practice and Procedure, requires that a well log shall be filed with the Commission together with a copy of the electric and radioactivity logs.

We will be happy to acknowledge receipt of your response to this notice if you will include an extra copy of the transmittal letter with a place for our signature, and a self addressed envelope for the return. Such acknowledgment should avoid unnecessary mailing of a second notice from our agency.

Your prompt attention to the above will be greatly appreciated.

Respectfully,

A handwritten signature in cursive script that reads "Claudia Jones".

Claudia Jones
Well Records Specialist

CJ/cj
cc: Dianne R. Nielson, Director
Ronald J. Firth, Associate Director

3240/7328



4899 West 21st South • Salt Lake City, Utah 84120 • Phone (801) 974-0388

May 7, 1984

State of Utah
Oil, Gas & Mining
4241 State Office Bldg.
Salt Lake City, Utah 84114

Re: Attached Letter Dated April 9, 1984
63-8 Duck Creek Well
API #43-047-31321
Uintah County, Utah
Sec. 8 T9S R20E

Attn: Claudia Jones

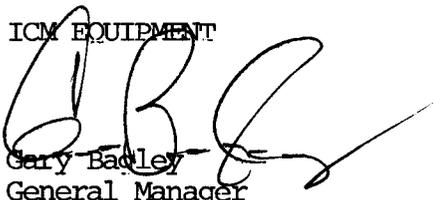
Gentlemen:

As per your request in the referenced letter attached, please find enclosed copies of the CB Log, DLL, Gamma Log, CD, CN, and Gamma Logs.

Please acknowledge receipt of these logs by signing in the space provided below and return one copy of this letter to me.

Very truly yours,

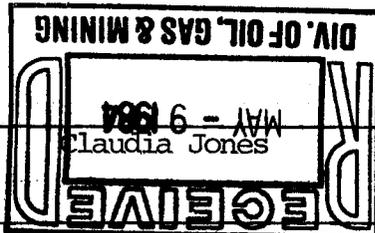
ICM EQUIPMENT


Gary Badley
General Manager

GB/dm
Encl.

Receipt of Logs Acknowledged

Date:



UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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
 W. C. Investments, Ltd.

3. ADDRESS OF OPERATOR
 4901 West 2100 So., Salt Lake City, Utah 84120

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*
 At surface
 1500' FWL & 800' FSL
 At proposed prod. zone
 Same

5. LEASE DESIGNATION AND SERIAL NO.
 U-01562B

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
 Ute Tribe Surface

7. UNIT AGREEMENT NAME
 River Junction

8. FARM OR LEASE NAME
 Duck Creek

9. WELL NO.
 63-8

10. FIELD AND POOL, OR WILDCAT

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

12. COUNTY OR PARISH
 Uintah

13. STATE
 Utah

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE
 3.6 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)

16. NO. OF ACRES IN LEASE

17. NO. OF ACRES ASSIGNED TO THIS WELL
 160

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

19. PROPOSED DEPTH
 7609'

20. ROTARY OR CABLE TOOLS
 Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
 4789' Natural GI

22. APPROX. DATE WORK WILL START*
 February 10, 1983

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JUN 26 1984

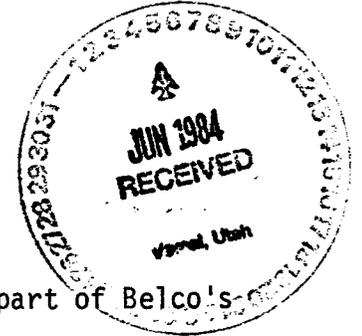
DIVISION OF OIL
GAS & MINING

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/4"	9 5/8"	K-55 36.0#	+ 200'	200 sx class "G" cement
7 7/8"	4 1/2"	K-55 11.6#	± 7409'	Min 900 sx 50-50 poz-mix
				Sufficient to protect all productive zones.

See Attachments For:

- 10 Point Program
- 13 Point Surface Use Plan
- Location Plat
- Location Layout Sheet
- Topo Maps "A" and "B"
- Diagrams "A" and "B"



W. C. Investments, Ltd., will accept all stipulations that were part of Belco's previous approval.

W. C. Investments, Ltd. representative is: Gary Bagley - 4899 West 2100 So., Salt Lake City, Utah 84120
 Phone: 801-974-0388 - Office 801-2274 - Home

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 L. K. Campbell TITLE Partner DATE June 1, 1984

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____
 APPROVED BY [Signature] TITLE Permit District Manager DATE 6-20-84
 CONDITIONS OF APPROVAL, IF ANY:

Div. of Oil, Gas & Mining

*See Instructions On Reverse Side

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

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

5. LEASE DESIGNATION AND SERIAL NO.
U-0125822; U-016869-A;
U-01562-B

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

SUNDRY NOTICES AND REPORTS ON WELLS

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

1. OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER		7. UNIT AGREEMENT NAME River Junction
2. NAME OF OPERATOR W.C. Investments, Ltd.		8. FARM OR LEASE NAME
3. ADDRESS OF OPERATOR 4899 West 2100 South; Salt Lake City, Utah 84120		9. WELL NO. Duck Creek 63-8
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 1500' FWL & 800' FSL		10. FIELD AND POOL, OR WILDCAT Duck Creek
14. PERMIT NO. API 4304731321		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 8-T9SR20E
15. ELEVATIONS (Show whether DF, RT, GR, etc.) 4789 GL		12. COUNTY OR PARISH Uintah
		13. STATE Utah

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

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

(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.)*

The Duck Creek 63-8 was initially produced on March 5, 1985 by a pipeline test performed by Northwest Pipeline Corporation.

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MAR 18 1985

DIVISION OF OIL
GAS & MINING

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

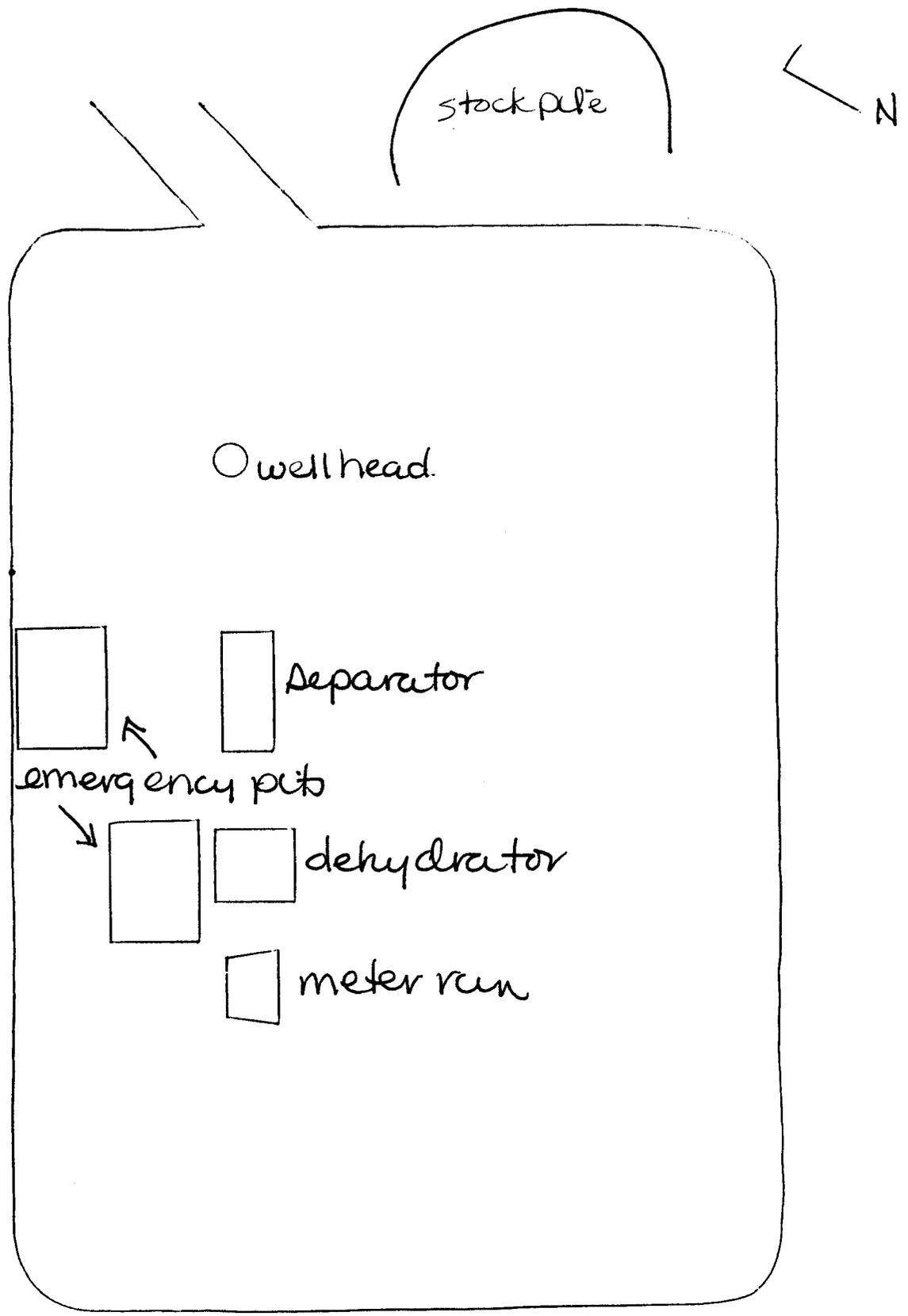
SIGNED Gray Bagby TITLE Manager DATE 3-15-85

(This space for Federal or State office use)

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

*See Instructions on Reverse Side

Duck Creek 63-8 Sec 8, T9S, R20E Kuhlly 1/3/89



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

SUNDRY NOTICE AND REPORTS ON WELLS

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

SUBMIT IN TRIPLICATE

FORM APPROVED
Budget No. 1004-0135
Expires September 30, 1990

<p>1. Type of Well</p> <p style="margin-left: 40px;"> <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other </p>	<p>5. Lease Designation and Serial No. U-01562-B</p>
<p>2. Name of Operator EOG Resources, Inc.</p>	<p>6. If Indian, Allottee or Tribe Name Ute Tribal Surface</p>
<p>3. Address and Telephone No. P.O. BOX 250, BIG PINEY, WY 83113 (307) 276-3331</p>	<p>7. If Unit or C.A., Agreement Designation River Junction Unit</p>
<p>4. Location of Well (Footage, Sec., T., R., M., or Survey Description) 1500' FWL, 800' FSL, SE/4SW/4 of Sec. 8-9S-20E, SLM</p>	<p>8. Well Name and No. Duck Creek 63-8</p>
	<p>9. API Well No. 43-047-31321</p>
	<p>10. Field and Pool or Exploratory Area Natural Buttes</p>
	<p>11. County State Uintah, Utah</p>

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

TYPE OF SUBMISSION	TYPE OF ACTION	
<input checked="" type="checkbox"/> NOTICE OF INTENT	<input type="checkbox"/> ABANDONMENT	<input type="checkbox"/> CHANGE OF PLANS
<input type="checkbox"/> SUBSEQUENT REPORT	<input type="checkbox"/> RECOMPLETION	<input type="checkbox"/> NEW CONSTRUCTION
<input type="checkbox"/> FINAL ABANDONMENT NOTICE	<input type="checkbox"/> PLUGGING BACK	<input type="checkbox"/> NON-ROUTINE FRACTURING
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> ALTERING CASING	<input type="checkbox"/> CONVERSION TO INJECTION
	<input checked="" type="checkbox"/> OTHER Change of Operator	

(Note: Report results of multiple completion on Well Completions or Recompletion Report and Log Form.)

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

Effective February 1, 2000, W.C. Investments, Ltd. assigned all of its right, title and interest in the above referenced well to EOG Resources, Inc.

Please be advised that EOG Resources, Inc. is now considered to be the operator of the Duck Creek 63-8 well; SE/4SW/4 of Section 8, Township 9 South, Range 20 East, SLM, Uintah County, Utah, Lease U-01562-B, and is responsible under the terms and conditions of the Lease for the operations conducted upon the leased lands. Bond coverage is provided by Nationwide Bond #NM2308.

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SEP 05 2000

DIVISION OF
OIL, GAS AND MINING

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

SIGNED [Signature] TITLE Agent and Attorney-in-Fact DATE August 24, 2000

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:



United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Vernal Field Office

170 South 500 East

Vernal, Utah 84078-2799

<http://www.blm.gov/utah/vernal>

Phone: (435) 781-4400

Fax: (435) 781-4410

IN REPLY REFER TO:

3162.3

UT08300

September 14, 2000

EOG Resources, Inc.
P. O. Box 250
Big Piney, WY 83113

Re: Well No. Duck Creek 63-8
SESW, Sec. 8, T9S, R20E
Lease U-01562-B
Uintah County, Utah

Gentlemen:

This correspondence is in regard to the self-certification statement submitted requesting a change in operator for the referenced well. After a review by this office, the change in operator request is approved. Effective immediately, EOG Resources, Inc. is responsible for all operations performed on the referenced well. All liability will now fall under your bond, BLM Bond No. NM2308, for all operations conducted on the referenced well on the leased land.

If you have any other questions concerning this matter, please contact Margie Herrmann or Leslie Crinklaw of this office at (435) 781-4400.

Sincerely,

Ed Forsman
Petroleum Engineer
Minerals Resources

cc: W. C. Investments, Ltd.
Donald W. Cannon
Division of Oil, Gas & Mining

OPERATOR CHANGE WORKSHEET

ROUTING

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

Enter date after each listed item is completed

X Change of Operator (Well Sold)

Designation of Agent

Operator Name Change (Only)

Merger

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

02-01-2000

FROM: (Old Operator):

W. C. INVESTMENTS LTD

Address: 4901 WEST 2100 S.

SALT LAKE CITY, UT 84120

Phone: 1-(801)-974-0511

Account No. N9470

TO: (New Operator):

EOG RESOURCES INC

Address: P. O BOX 250

BIG PINEY, WY 83113

Phone: 1-(307)-276-3331

Account N9550

CA No.

Unit:

WELL(S)

NAME	API NO.	ENTITY NO.	SEC. TWN RNG	LEASE TYPE	WELL TYPE	WELL STATUS
NORTH DUCK CREEK 62-30	43-047-31552	8137	30-08S-21E	FEDERAL	GW	P
DUCK CREEK 63-8	43-047-31321	8139	08-09S-20E	FEDERAL	GW	P
DUCK CREEK 67-9	43-047-31450	4995	09-09S-20E	FEDERAL	GW	P
DUCK CREEK 65-10	43-047-31441	9755	10-09S-20E	FEDERAL	GW	P
DUCK CREEK 64-17	43-047-31398	8138	17-09S-20E	FEDERAL	GW	P

OPERATOR CHANGES DOCUMENTATION

- (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 09-05-2000
- (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 09-05-2000
- The new company has been checked through the **Department of Commerce, Division of Corporations Database** on: 09-21-2000
- Is the new operator registered in the State of Utah: YES Business Number: 966901-0143
- If **NO**, the operator was contacted on: _____
- Federal and Indian Lease Wells:** The BLM and or the BIA has approved the (merger, name change, or operator change for all wells listed on Federal or Indian leases on: 09/14/2000
- Federal and Indian Units:** The BLM or BIA has approved the successor of unit operator for wells listed on: N/A
- Federal and Indian Communization Agreements ("CA"):** The BLM or the BIA has approved the operator

