

UTAH OIL AND GAS CONSERVATION COMMISSION

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

Application resubmitted 6.1.85

DATE FILED **7-11-83**

LAND: FEE & PATENTED STATE LEASE NO. **ML-22049** PUBLIC LEASE NO. INDIAN

DRILLING APPROVED: **7-13-83 - OIL (Exception Location)**

SPUDED IN:

COMPLETED: PUT TO PRODUCING:

INITIAL PRODUCTION:

GRAVITY A.P.I.

GOR:

PRODUCING ZONES:

TOTAL DEPTH:

WELL ELEVATION:

DATE ABANDONED: **LA 6.1.85**

FIELD: **3/86 White River**

UNIT:

COUNTY: **Uintah**

WELL NO. **White River 44-16** API #**43-047-31359**

LOCATION **618' FNL** FT. FROM (N) (S) LINE. **2447' FEL** FT. FROM (E) (W) LINE. **NWNE** 1/4 - 1/4 SEC. **16**

| TWP. | RGE. | SEC. | OPERATOR | TWP. | RGE. | SEC. | OPERATOR |
|------|------|------|----------|------|------|------|----------|
|------|------|------|----------|------|------|------|----------|

| | | | |
|----|-----|----|-------------------------|
| 8S | 22E | 16 | Belco Development Corp. |
|----|-----|----|-------------------------|

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

Belco Development Corporation

Belco

July 8, 1983

Department of Oil, Gas & Mining
4241 State Office Building
Salt Lake City, Utah 84114

SUBJECT: Application for Permit to Drill
White River 44-16
Uintah County, Utah

Dear Sirs,

Attached is the Application for Permit to Drill the above proposed wellsite located in Uintah County, Utah. Also attached is the Location Plat, Location Layout Sheet, Topo Maps "A" and "B", BOP Design and Production Facilities Schematic.

Very truly yours,


Kathy Knutson
Engineering Clerk

/kk
attachments

cc: MMS (courtesy copy)
Mark Papa (Houston)
Denver
Files

RECEIVED

JUL 11 1983

**DIVISION OF
OIL GAS & MINING**

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

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

2

5. Lease Designation and Serial No.

ML-22049 ✓

6. If Indian, Allottee or Tribe Name

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work

DRILL

DEEPEN

PLUG BACK

7. Unit Agreement Name

b. Type of Well

Oil Well

Gas Well

Other

Single Zone

Multiple Zone

8. Farm or Lease Name

2. Name of Operator

BELCO DEVELOPMENT CORPORATION

WHITE RIVER

9. Well No.

3. Address of Operator

P.O. BOX X, VERNAL, UTAH 84078

44-16

10. Field and Pool, or Wildcat

4. Location of Well (Report location clearly and in accordance with any State regulations)

At surface

618' FNL & 2447' FEL NW/NE ✓

RECEIVED

JUL 11 1983

WHITE RIVER

Sec., T., R., M., or Blk. and Survey or Area

SEC 16, T8S, R22E

At proposed prod. zone
SAME

14. Distance in miles and direction from nearest town or post office*

15 MILES NORTHEAST OF OURAY, UTAH

12. County or Parrish 13. State

UINTAH UTAH

15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drlg. line, if any)

16. No. of acres in lease

17. No. of acres assigned to this well

18. Distance from proposed location* to nearest well, drilling, completed, or applied for, on this lease, ft.

19. Proposed depth

20. Rotary or cable tools

6000'

ROTARY

21. Elevations (Show whether DF, RT, GR, etc.)

4989' NATURAL GL

22. Approx. date work will start*

AUGUST, 1983

23. PROPOSED CASING AND CEMENTING PROGRAM

| Size of Hole | Size of Casing | Weight per Foot | Setting Depth | Quantity of Cement |
|--------------|----------------|-----------------|---------------|--------------------------|
| 17 1/2" | 13 3/8" | 54.5# K-55 | + 200' | 200 sx class "G" cement |
| 8 3/4" | 5 1/2" | 15.5# K-55 | +5800' | min 900 sx 50/50 poz-mix |

Sufficient to protect all hydrocarbon zones.

including oil shale.

ESTIMATED LOG TOPS: Uinta - Surface Green River - 2350

It is proposed to drill a 17 1/2" hole to +200', run 13 3/8" 54.5# K-55 casing to TD and cement to surface w/min 200 sx class "G" cement. RU BOP and test daily as to proper operation. Drilling will continue with a 8 3/4" bit, deviation will be held to a minimum. Adequate mud properties will be used to control the well. All potential producing formations will be adequately evaluated. If shows warrant, 5 1/2" production casing will be run to TD and cemented sufficiently to protect all productive intervals. Safe equipment and operating methods will be used at all times. If a dry hole is indicated, a marker will be erected and the surface rehabilitated as per BLM specifics.

State of Utah

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. Ball*

DISTRICT ENGINEER

6-29-83

(This space for Federal or State office use)

Permit No.

Approved by

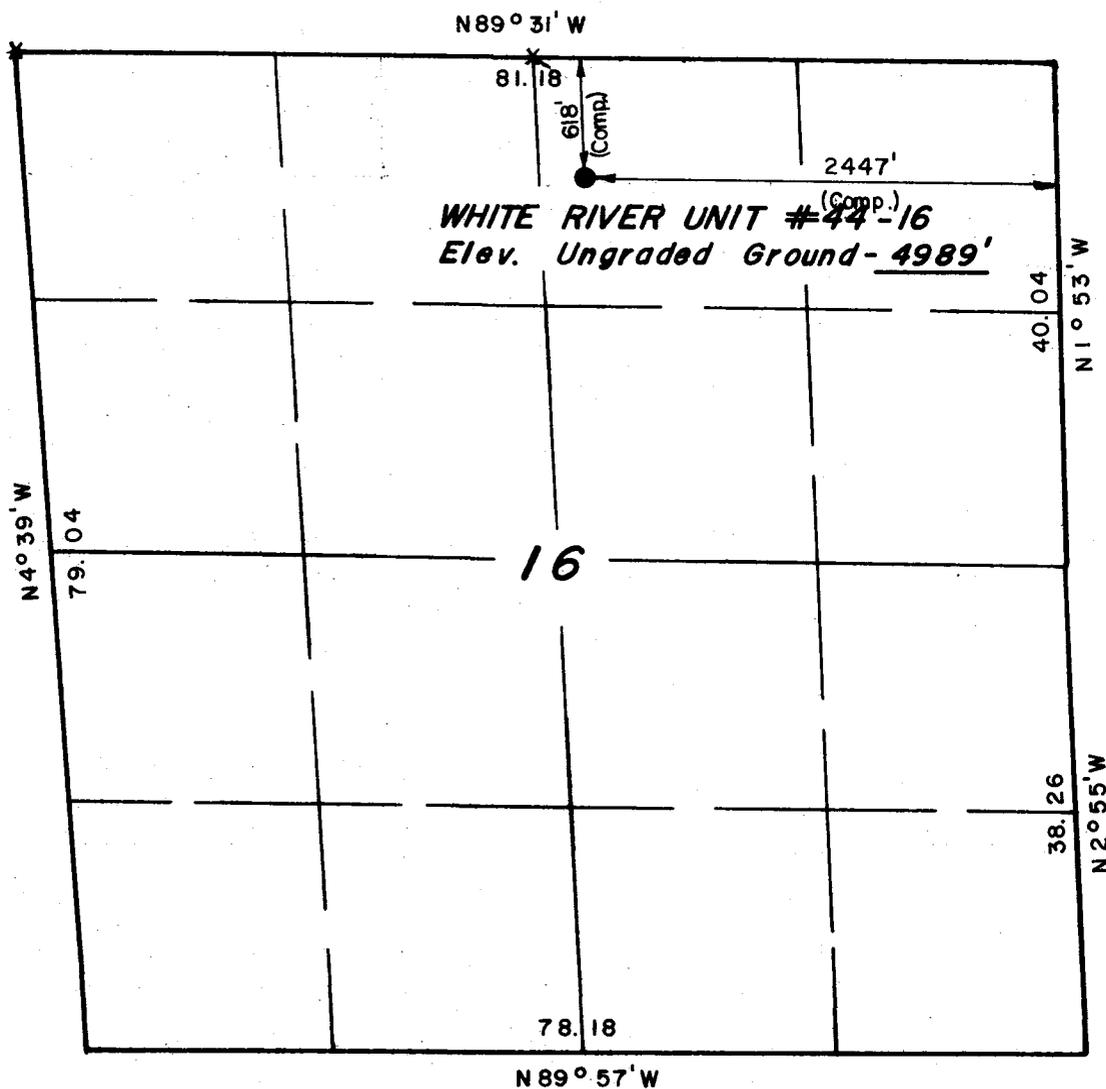
Approved by

Title

Conditions of approval, if any:

APPROVED BY THE STATE
OF UTAH DIVISION OF
OIL, GAS, AND MINING
DATE: *8/3/83*
BY: *[Signature]*

T 8 S, R 2 2 E, S.L.B.&M.



X = Section Corners Located

PROJECT
BELCO DEVELOPMENT CORP.

Well location, *WHITE RIVER UNIT #44-16*, located as shown in the NW1/4 NE 1/4 Section 16, T 8 S, R 2 2 E, S.L.B.&M. Uintah County, Utah.

Note: Location to N1/4 bears N22°06'53"W - 669.17'



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.

Helson J. [Signature]
REGISTERED LAND SURVEYOR
REGISTRATION NO 2454
STATE OF UTAH

Revised - 7/7/83

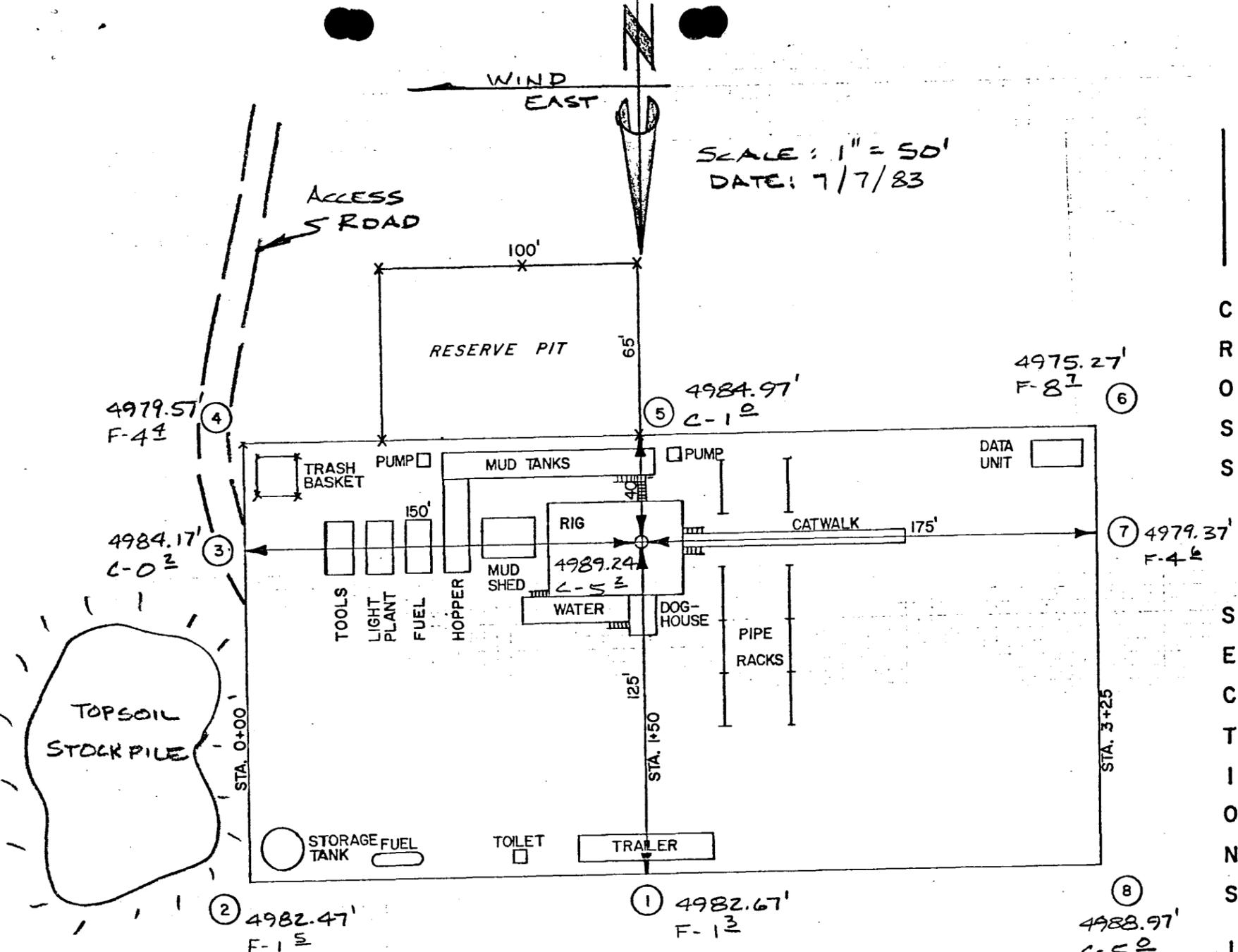
UINTAH ENGINEERING & LAND SURVEYING
P. O. BOX Q - 85 SOUTH - 200 EAST
VERNAL, UTAH - 84078

| | | | |
|---------|-----------------|------------|-------------------|
| SCALE | 1" = 1000' | DATE | 6 / 28 / 83 |
| PARTY | L.D.T. S.H. SB. | REFERENCES | GLO Plat |
| WEATHER | Clear & Hot | FILE | BELCO DEVELOPMENT |

BELCO DEVELOPMENT CORP.

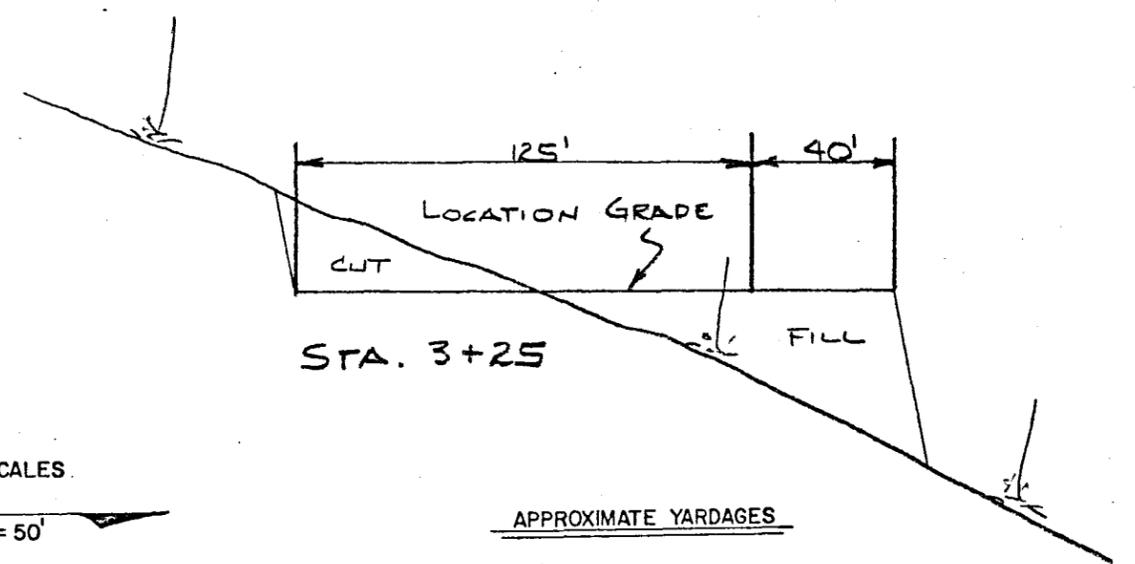
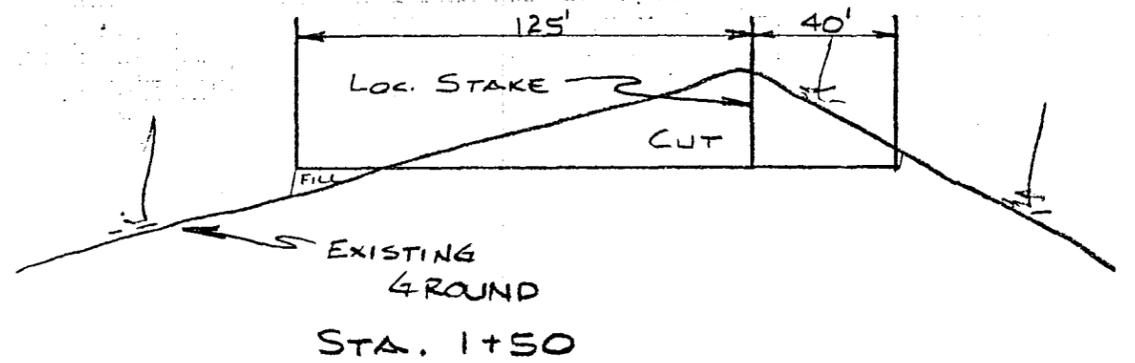
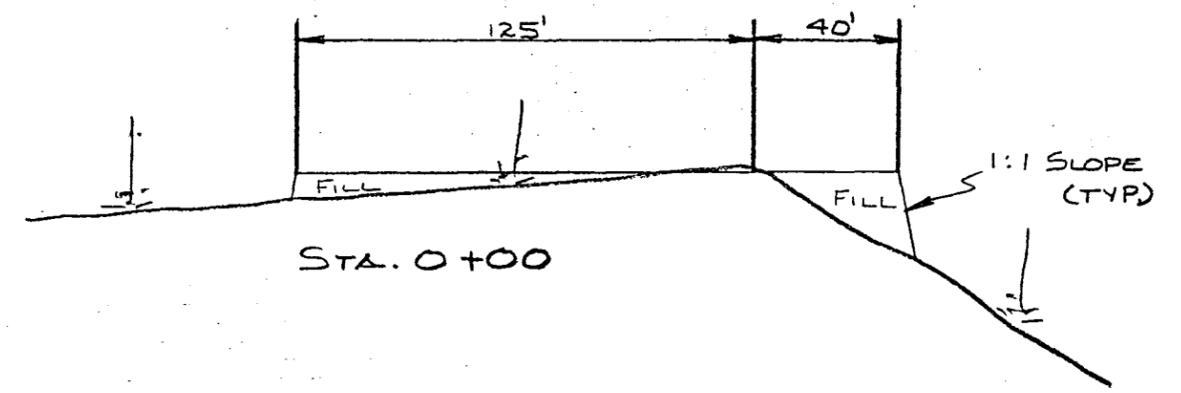
White River Unit #44-16

SCALE: 1" = 50'
DATE: 7/7/83

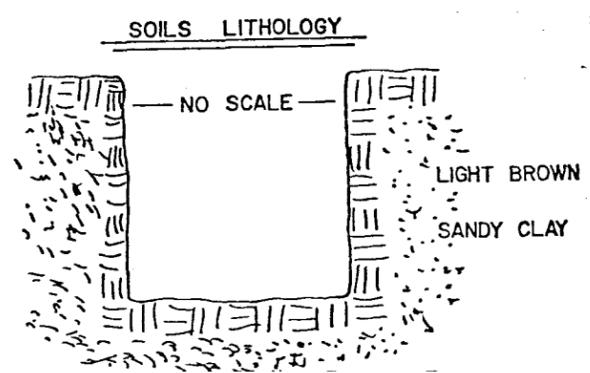


C
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1" = 10'
1" = 50'
SCALES



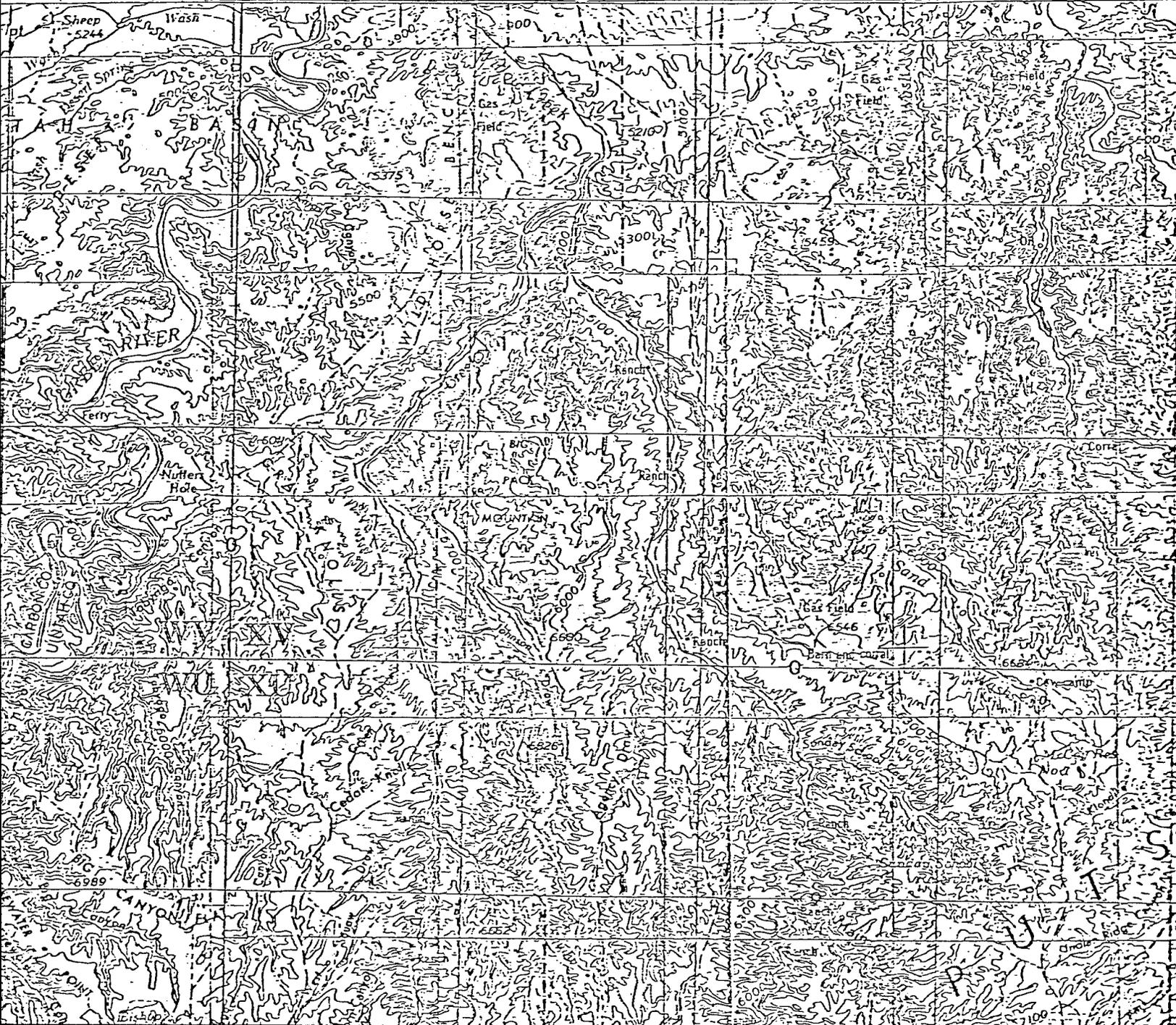
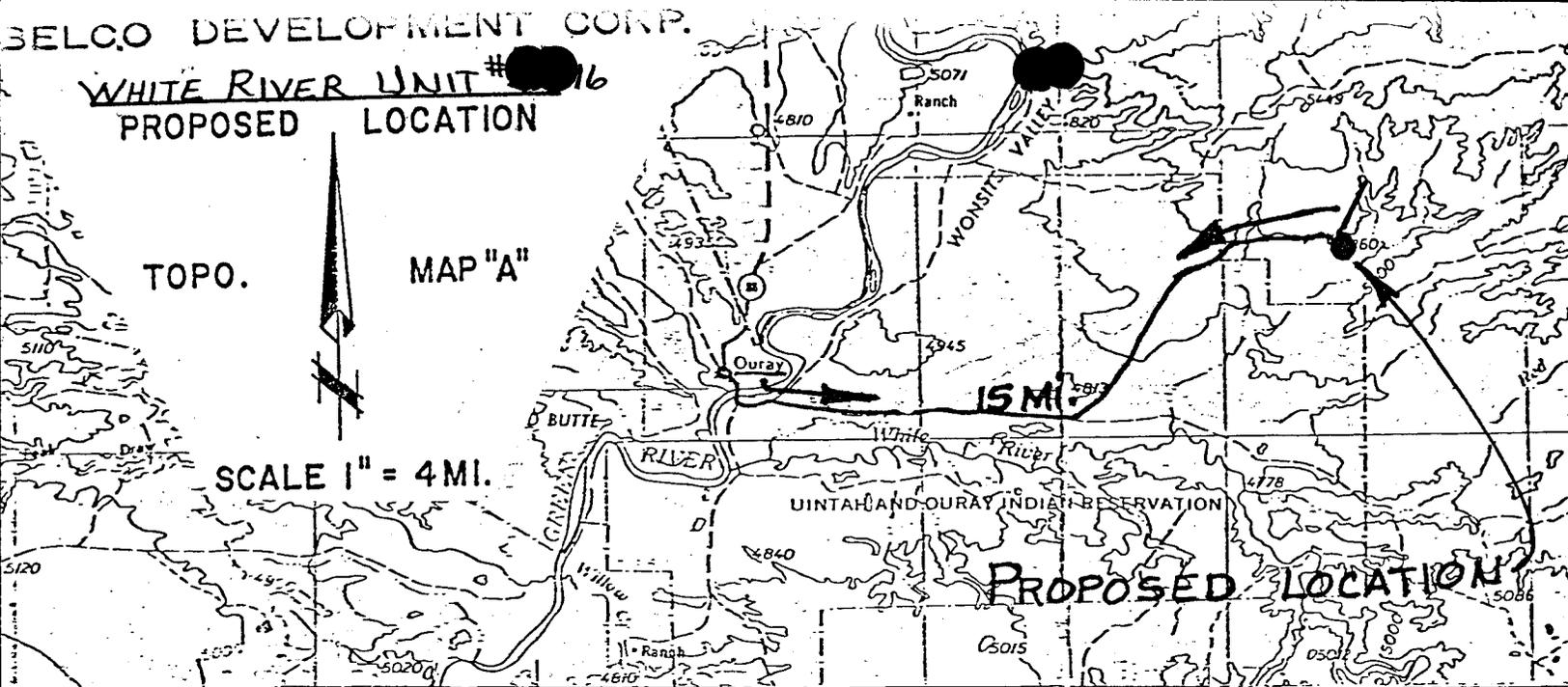
APPROXIMATE YARDAGES
CUBIC YARDS OF CUT- 2890
CUBIC YARDS OF FILL- 2080

WHITE RIVER UNIT # 16
PROPOSED LOCATION

TOPO.

MAP "A"

SCALE 1" = 4 MI.



TOPO.

MAP "B"

SCALE 1" = 2000'

RQAD CLASSIFICATION

Light duty road, all weather, Improved surface Unimproved road fair or dry weather



QUADRANGLE LOCATION

SOURAY 14.9 MILES

PROPOSED ACCESS ROAD - 0.2 Mi.

**PROPOSED LOCATION
WHITE RIVER UNIT #44-16**

**T75
T85**

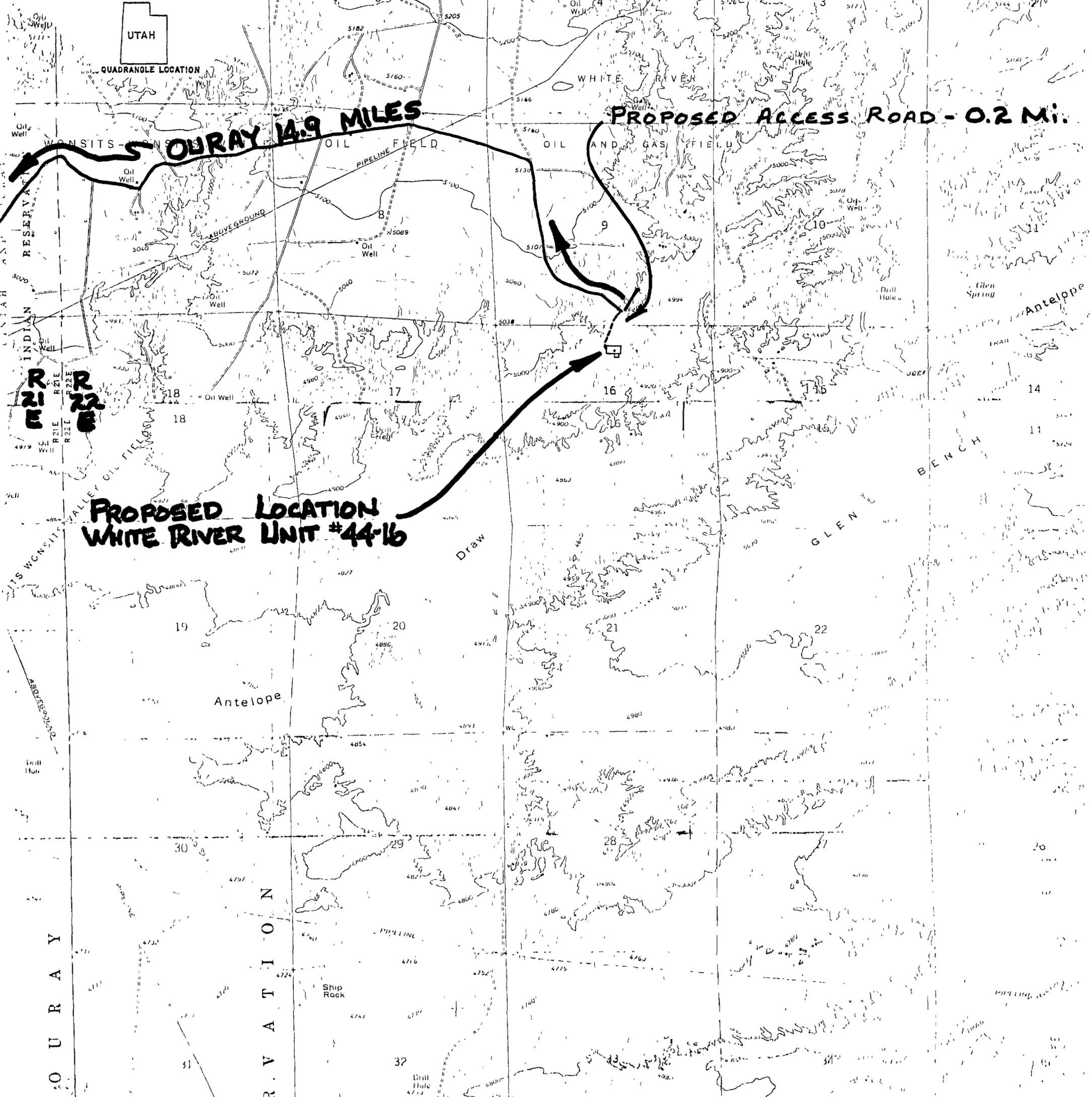


DIAGRAM "B"
PRODUCTION FACILITIES SCHEMATIC

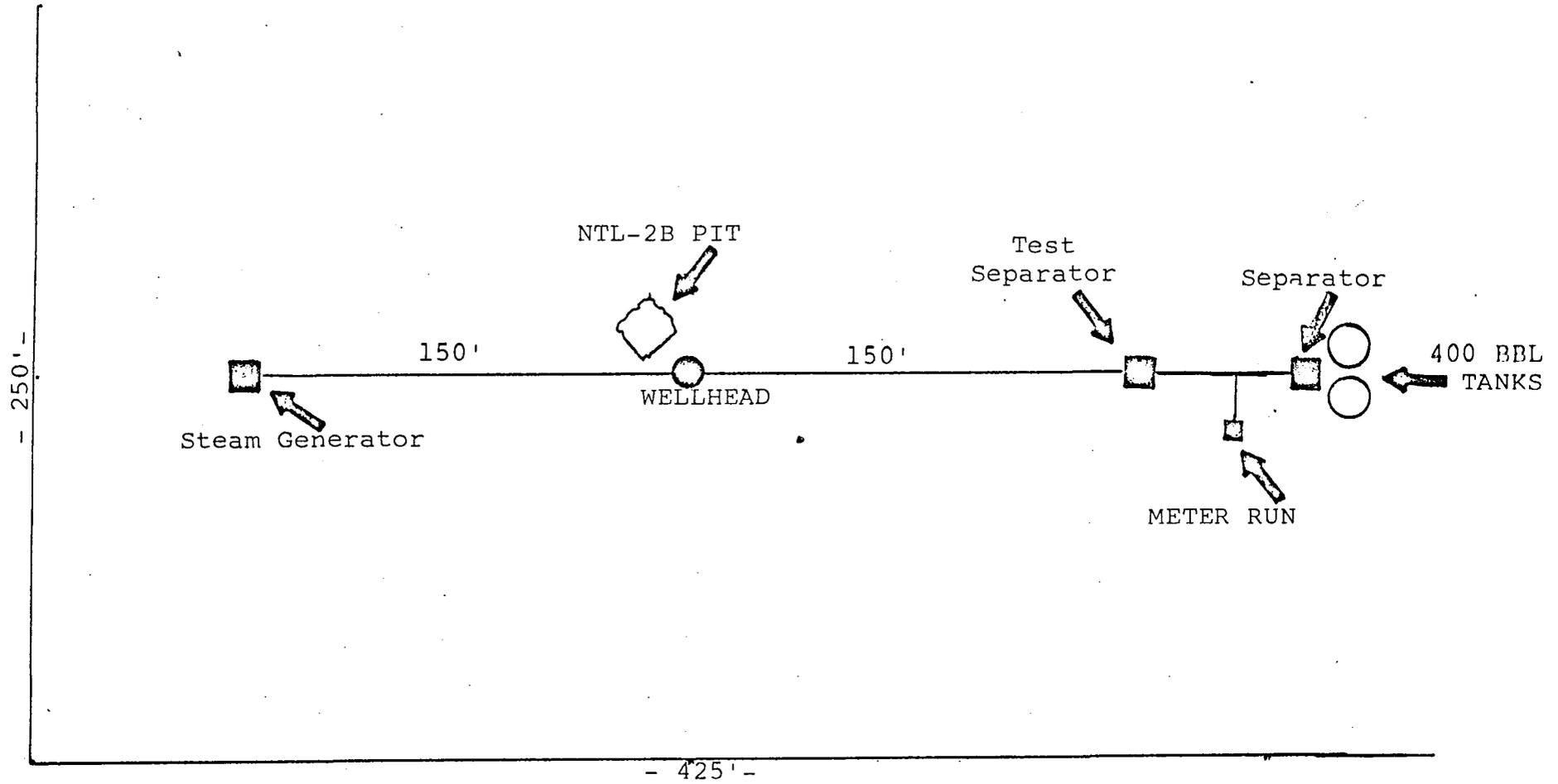
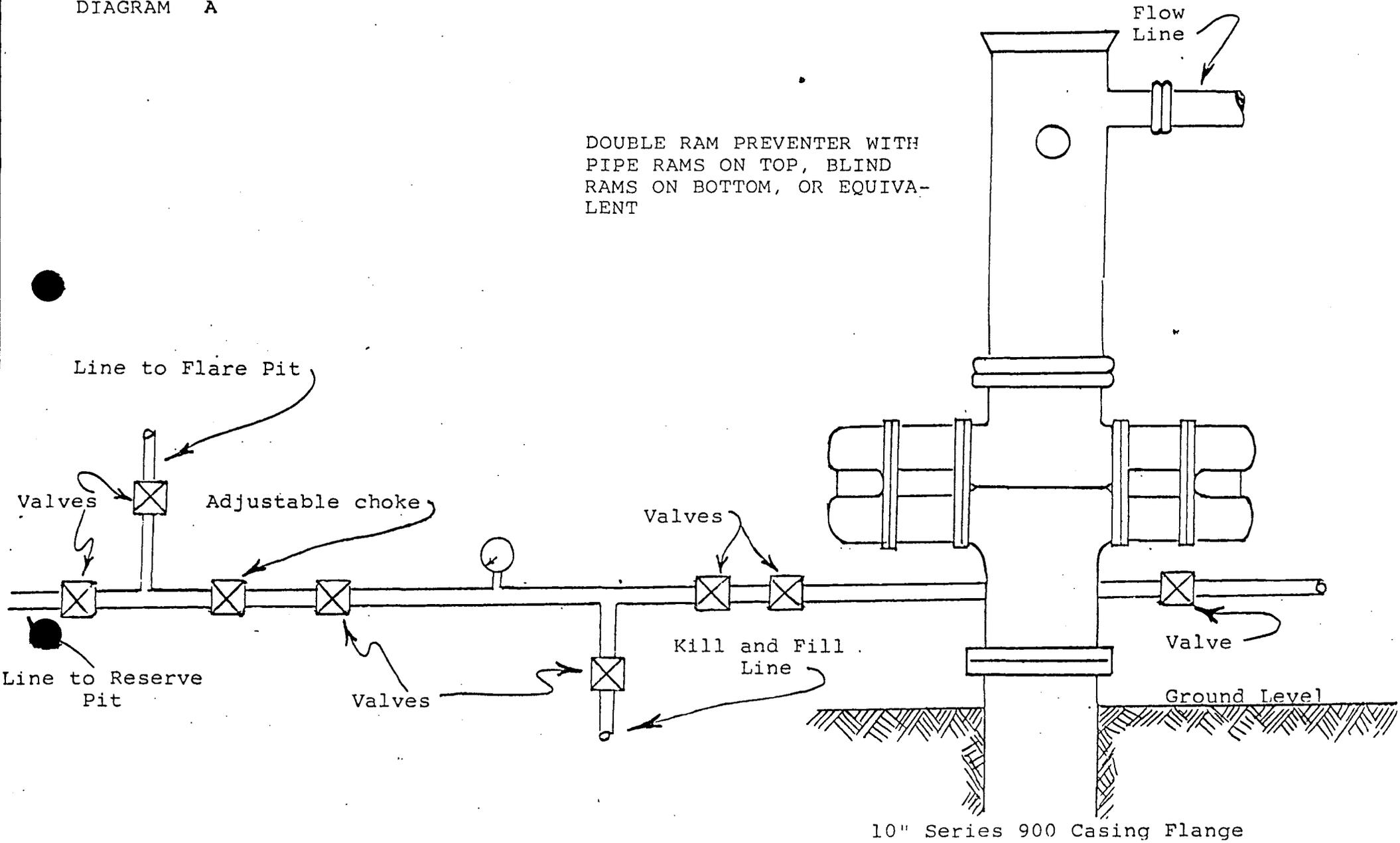


DIAGRAM A

DOUBLE RAM PREVENTER WITH
PIPE RAMS ON TOP, BLIND
RAMS ON BOTTOM, OR EQUIVA-
LENT



OPERATOR Belleo DATE 7-12-83

WELL NAME White River 44-16

SEC NW 1/4 T 8S R 22E COUNTY Montal

43-047-31359
API NUMBER

State
TYPE OF LEASE

POSTING CHECK OFF:

INDEX

MAP

HL

NID

PI

PROCESSING COMMENTS:

Exception location

CHIEF PETROLEUM ENGINEER REVIEW:

7/13/83
oil well

APPROVAL LETTER:

SPACING:

A-3

UNIT

c-3-a

CAUSE NO. & DATE

c-3-b

c-3-c

SPECIAL LANGUAGE:

(Water)
Approval is conditional pending receipt by the
Division of proper justification for the
exception location requirement and verification
of lease ownership.

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

AUTHENTICATE LEASE AND OPERATOR INFORMATION

VERIFY ADEQUATE AND PROPER BONDING

AUTHENTICATE IF SITE IS IN A NAMED FIELD, ETC.

APPLY SPACING CONSIDERATION

ORDER _____

UNIT _____

c-3-b

c-3-c

CHECK DISTANCE TO NEAREST WELL.

CHECK OUTSTANDING OR OVERDUE REPORTS FOR OPERATOR'S OTHER WELLS.

IF POTASH DESIGNATED AREA, SPECIAL LANGUAGE ON APPROVAL LETTER

IF IN OIL SHALE DESIGNATED AREA, SPECIAL APPROVAL LANGUAGE.

July 13, 1983

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

RE: Well No. White River 44-16
NWNE Sec. 16, T.8S, R.22E,
618' FNL, 2447' FEL
Uintah County, Utah

Gentlemen:

Inssofar 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. Prior to spudding, a copy of the Utah Division of Water Rights (801-533-6071) approval for use or purchase of drilling water must be submitted to this office, otherwise this approval is void. Approval is conditional pending receipt by the Division of proper justification for the exception location requirement and verification of lease ownership.

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
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 43-047-31359.

Sincerely,


R. J. Firth
Chief Petroleum Engineer

RJF/as
cc: State Lands
Encl.

Belco Development Corporation

Belco

July 14, 1983

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

Attn: Arlene

SUBJECT: Request for Unorthodox Location
White River 44-16
Section 16, T8S, R22E
Uintah County, Utah

Dear Arlene,

Belco Development Corporation, as per our telephone conversation of July 13, 1983, requests that the above referenced well location be given an unorthodox location grant under rule C3 (c). This exception is requested in as much as the topography of this area is such that problems would be encountered during the building of this location and the subsequent production activities should this well be placed under normal spacing requirements. Belco has all oil and gas rights within 660' of the location of this well.

Very truly yours,

Kathy Knutson

Kathy Knutson
Engineering Clerk

/kk

cc: Files

RECEIVED
JUL 19 1983

**DIVISION OF
OIL, GAS & MINING**



STATE OF UTAH
NATURAL RESOURCES
Oil, Gas & Mining

Norman H. Bangerter, Governor
Dee C. Hansen, Executive Director
Dianne R. Nielson, Ph.D., Division Director

355 W. North Temple • 3 Triad Center • Suite 350 • Salt Lake City, UT 84180-1203 • 801-538-5340

May 1, 1985

Belnorth Petroleum Corporation
DBA - Belco
PO Box 5610 TA
Denver, Colorado 80217

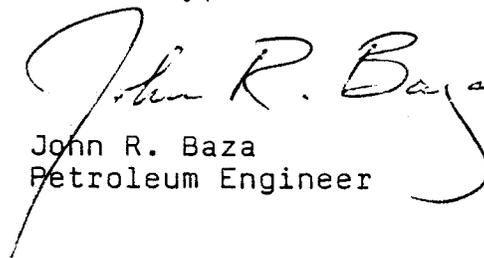
Gentlemen:

Re: Well No. White River 44-16 - Sec. 16, T. 8S., R. 22E.,
Uintah County, Utah - API #43-047-31359

Due to excessive time delay in commencing drilling operations approval to drill the subject well is hereby rescinded, effective one calendar month from the date of this notice. If any operations have been performed on this well location it is imperative that you notify this division immediately.

A new "Application for Permit to Drill" must be filed with this office for approval, prior to future drilling of the subject location.

Sincerely,


John R. Baza
Petroleum Engineer

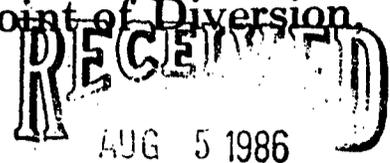
cc: Dianne R. Nielson
Ronald J. Firth
File

0170S/20

APPLICATION NO. 86-49-36

DISTRIBUTION SYSTEM 030717

Application For Temporary Change of Point of Diversion Place or Purpose of Use



STATE OF UTAH

(To Be Filed in Duplicate)

DIVISION OF WATER RIGHTS VERNAL, UTAH

Vernal, UT August 1, 1986

For the purpose of obtaining permission to temporarily change the point of diversion, place or purpose of use (Strike out written matter not needed)

of water, the right to the use of which was acquired by Appl. 39055 (49-287) to that hereinafter described, application is hereby made to the State Engineer, based upon the following showing of facts, submitted in accordance with the requirements of the Laws of Utah.

- 1. The owner of right or application is Belco Petroleum Corporation
2. The name of the person making this application is Linda L. Wall - Admin. Clerk
3. The post office address of the applicant is P.O. Box X, Vernal, UT 84078

PAST USE OF WATER

- 4. The flow of water which has been used in second feet is 0.123
5. The quantity of water which has been used in acre feet is
6. The water has been used each year from Jan 1 to Dec 31
7. The water has been stored each year from
8. The direct source of supply is Underground Water in Uintah County
9. The water has been diverted from a well at a point located North 572 ft. West 1575 ft. from SE cor. Sec. 4, T8S, R22E, SLB&M.
10. The water involved has been used for the following purpose: Water Flooding for oil recovery in NE 1/4 SW 1/4 Sec. 3, T8S, R22E, SLB&M.

NOTE: If for irrigation, give legal subdivisions of land and total acreage which has been irrigated. If for other purposes, give place and purpose of use.

THE FOLLOWING TEMPORARY CHANGES ARE PROPOSED

- 11. The flow of water to be changed in cubic feet per second is 0.015
12. The quantity of water to be changed in acre-feet is
13. The water will be diverted from a well at a point located N. 572 ft. W. 1575 ft. from the SE Cor. Sec. 4, T8S, R22E, SLB&M.
14. The change will be made from September 1, 1986 to September 1, 1987
15. The reasons for the change are Water will be used to drill 1 oil well.
16. The water involved herein has heretofore been temporarily changed years prior to this application.
17. The water involved is to be used for the following purpose: Oil well drilling purposes for 1 well Drilling and completion activities on Wr 44-16. Total 43-047-31359 acres

NOTE: If for irrigation, give legal subdivisions of land to be irrigated. If for other purposes, give place and purpose of proposed use.

EXPLANATORY

Blank lines for explanatory text.

A filing fee in the sum of \$5.00 is submitted herewith. I agree to pay an additional fee for either investigating or advertising this change, or both, upon the request of the State Engineer.

Signature of Applicant: Linda L. Wall

RULES AND REGULATIONS

(Read Carefully)

This application blank is to be used only for temporary change of point of diversion, place or nature of use for a definitely fixed period not to exceed one year. If a permanent change is desired, request proper application blanks from the State Engineer.

Application for temporary change must be filed in duplicate, accompanied by a filing fee of \$7.50 Where the water affected is under supervision of a Water Commissioner, appointed by the State Engineer, time will be saved if the Application is filed with the Commissioner, who will promptly investigate the proposed change and forward both copies with filing fee and his report to the State Engineer. Applications filed directly with the State Engineer will be mailed to the Water Commissioner for investigation and report. If there be no Water Commissioner on the source, the Application must be filed with the State Engineer.

When the State Engineer finds that the change will not impair the rights of others he will authorize the change to be made. If he shall find, either by his own investigation or otherwise, that the change sought might impair existing rights he shall give notice to persons whose rights might be affected and shall give them opportunity to be heard before acting upon the Application. Such notice shall be given five days before the hearing either by regular mail or by one publication in a newspaper. Before making an investigation or giving notice the State Engineer will require the applicant to deposit a sum of money sufficient to pay the expenses thereof.

Address all communications to:

State Engineer
State Capitol Building
Salt Lake City, Utah

STATE ENGINEER'S ENDORSEMENTS

(Not to be filled in by applicant)

Change Application No. (River System)

1. Application received by Water Commissioner (Name of Commissioner)

Recommendation of Commissioner

2. 8-5-86 Application received over counter in State Engineer's Office by R.L.M.
by mail

3. Fee for filing application, \$7.50 received by ; Rec. No.

4. Application returned, with letter, to , for correction.

5. Corrected application resubmitted over counter to State Engineer's Office.
by mail

6. Fee for investigation requested \$.....

7. Fee for investigation \$....., received by : Rec. No.

8. Investigation made by ; Recommendations:

9. Fee for giving notice requested \$.....

10. Fee for giving notice \$....., received by : Rec. No.

11. Application approved for advertising by publication by
mail

12. Notice published in.....

13. Notice of pending change application mailed to interested parties by as follows:

14. Change application protested by
(Date Received and Name)

15. Hearing set for at

16. Application recommended for rejection by R.L.M.
approval

X 17. 8-11-86 Change Application rejected and returned to R.L.M.
approved

THIS APPLICATION IS APPROVED SUBJECT TO THE FOLLOWING CONDITIONS:

- 1.
- 2.
- 3.

X Robert L. Morgan P.E., For
Robert L. Morgan, P.E. State Engineer



STATE OF UTAH
NATURAL RESOURCES
Water Rights

Please File

Norman H. Bangerter, Governor
Dee C. Hansen, Executive Director
Robert L. Morgan, State Engineer

Eastern Area • State/County Building • 152 E. 100 North • Vernal, UT 84078-2110 • 801-789-3714

August 11, 1986

RECEIVED
AUG 14 1986

DIVISION OF
OIL, GAS & MINING

Belco Petroleum Corp.

P. O. Box X
Vernal, Utah 84078

RE: Temporary Change 86-49-36

Gentlemen:

The above numbered Temporary Change Application has been approved, subject to prior rights.

A copy is herewith returned to you for your records and future reference.

Sincerely yours,

Robert W. Leake, P. E.
for Robert L. Morgan, P.E.
State Engineer

RLM:RWL/lm

Enclosure