

UTAH OIL AND GAS CONSERVATION COMMISSION

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

* Location Abandoned - Well never drilled - ~~3-23-83~~ 8-10-83

DATE FILED 8-20-82

LAND: FEE & PATENTED STATE LEASE NO PUBLIC LEASE NO U-24230 INDIAN

DRILLING APPROVED ~~8-30-82~~ 8-31-82

SPUDDED IN:

COMPLETED: PUT TO PRODUCING:

INITIAL PRODUCTION:

GRAVITY API

GOR

PRODUCING ZONES

TOTAL DEPTH

WELL ELEVATION:

DATE ABANDONED: LA ~~3-23-83~~ 8-10-83

FIELD: NATURAL BUTTES 3/86

UNIT:

COUNTY: UINTAH

WELL NO. NORTH DUCK CREEK # 62-30

API NO. 43-047-31264

LOCATION 1584 FT. FROM (X) (S) LINE. 1934 FT. FROM (E) (X) LINE. NW SE 1/4 - 1/4 SEC. 30

TWP	RGE	SEC.	OPERATOR	TWP	RGE	SEC.	OPERATOR
8S	21E	30	BELCO DEVELOPMENT CORP.				

10

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 1934' FSL & 1584' FSL NW/SE
 At proposed prod. hole **FEL**
 SAME

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
 APPROXIMATELY 5 MILES EAST OF OURAY, UTAH

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drig. unit line, if any)
 16. NO. OF ACRES IN LEASE 1555.87
 17. NO. OF ACRES ASSIGNED TO THIS WELL 320
 18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 7717'
 19. PROPOSED DEPTH 7717'
 20. ROTARY OR CABLE TOOLS ROTARY

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
 4684' NAT GL
 22. APPROX. DATE WORK WILL START* SEPT 15, 1982

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#	200'	200 lbs class "C" cement
7 7/8"	4 1/2"	K-55 11.6#	7517'	Min 900 lbs 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
- TOPO MAPS "A" and "B"
- DIAGRAMS "A" AND "B"

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

DATE: 8-30-82
BY: *[Signature]*

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 *[Signature]* TITLE DISTRICT MANAGER DATE 8-20-82

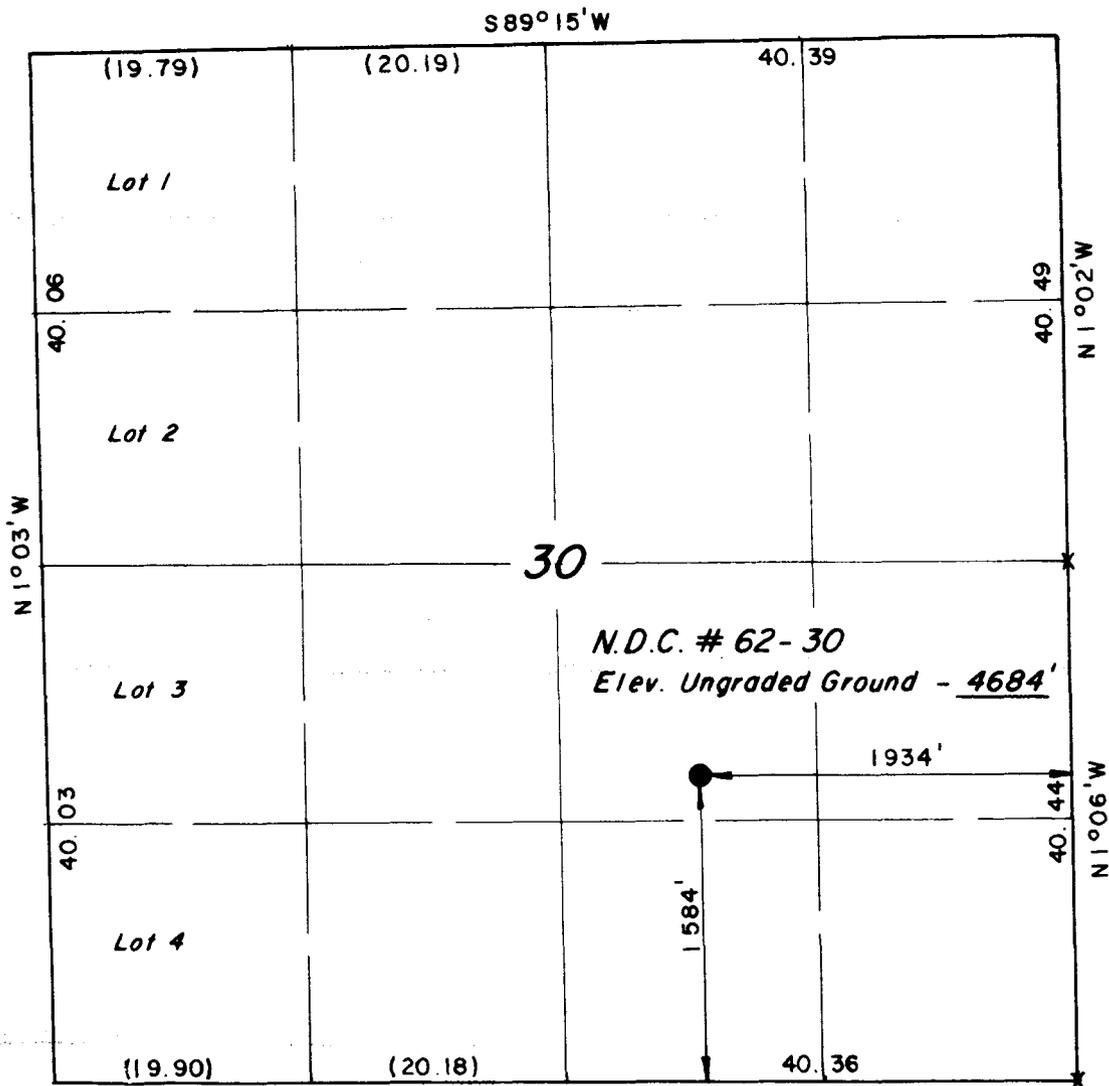
(This space for Federal or State office use)
 PERMIT NO. _____ APPROVAL DATE _____

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

T 8 S , R 21 E , S.L.B. & M.

PROJECT
BELCO DEVELOPMENT CORP.

Well location, N.D.C. # 62-30,
located as shown in the NW 1/4
SE 1/4 Section 30, T8S, R21E,
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. Lee

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	7/14/82
PARTY	RK BK RP	REFERENCES	GLO Plat
WEATHER	Fair	FILE	BELCO

10 POINT PROGRAM

NORTH DUCK CREEK 62-30

1. GEOLOGIC SURFACE FORMATION

Uinta formation of the upper Eocene Age.

2. ESTIMATED TOPS OF IMPORTANT GEOLOGIC MARKERS

Uinta	Surface	
Green River	2382'	Oil shale zone
Wasatch	5922'	Possible gas

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

Green River	Oil shale zone 2382' - 5922'
Wasatch	Possible gas shows 5922'-7517'

4. PROPOSED CASING PROGRAM

9 5/8" K-55 36# casing set at +200' and cemented to surface with 200 sx class "G" cement.

4 1/2" K-55, 11.6# casing set at +7517' and cemented with minimum of 600 sx 50-50 poz-mix. Cement will be sufficient to protect all productive 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. Pressure tests 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 H₂O as necessary in order to clean the hole. From 4500' to TD it is planned 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 include 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 PRESSURES OR TEMPERATURES

It is not anticipated that abnormal hazards such as high temperatures or pressure will be encountered. It is not anticipated that any hazardous gases will be encountered.

10. ANTICIPATED STARTING DATE AND DURATION OF OPERATIONS

Anticipated starting date for the drilling of this well is September 15, 1982. Drilling operations should be completed within 4 weeks from the day they commence.

NORTH DUCK CREEK 62-30

13 POINT SURFACE USE PLAN

1. EXISTING ROADS

The wellsite is located in the NW/SE of Section 30, T8S, R21E, 1934' FWL and 1584' FSL, Uintah County, Utah. This is approximately 4.5 miles east of Ouray, Utah. Refer to the attached plat and Topo maps for directions on reaching the location. 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 instructed to remain only on established roads and well sites as per BIA regulations.

2. PLANNED ACCESS ROAD

Belco's planned access route is shown on attached Topo map "B". The access road will be approximately 40' in length and will enter the wellsite from the southeast corner of the location. The access road will be a minimum 18' crown road with a culvert for water diversion, maximum grade will not exceed 2%. There are no need for turnouts, maximum disturbed area 24'. 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 as per the resurvey by Uintah Engineering and their affidavit of completion.

3. LOCATION OF EXISTING WELLS

Belco's producing oil wells North Duck Creek 40-30 and North Duck Creek 42-25 are within one mile of the proposed wellsite.

4. LOCATION OF EXISTING AND PROPOSED FACILITIES

Existing production facilities within one mile of the proposed well site are the tank batteries and production facilities for the NDC 40-30 and NDC 42-25.

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 northeast edge of the pad 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 & 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. 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 rehabilitated as per BIA specifics.

5. LOCATION AND TYPE OF WATER SUPPLY

Water for this operation will be obtained from the Green River at a point near the Greenriver Bridge in Section 33, T8S, R20E and hauled by truck over existing roads. Water permits will be purchased before drilling operations commence.

5. LOCATION AND TYPE OF WATER SUPPLY CONT.....

No new roads or pipelines will be needed for this purpose. Preferred carrier is Dalbo, PSC #536. No water well will be drilled. No produced water is anticipated. However, if water is produced Belco Development Corporation 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 DISPOSAL

Drill cuttings, drilling fluids, salts, chemicals and produced fluids will be disposed of in the reserve pit on the location pad. A portable toilet will be provided for human waste during the drilling phase of this 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. 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. WELLSITE LAYOUT

See the attached Location Layout sheet which shows the following: cross section of the pad with details of cuts and fills; location of reserve pit, pipe racks, and excess cut stockpile. Also, rig orientation, parking area, and access road are shown. Pits will be lined to conserve water and will be fenced on the fourth side at the completion of drilling operations. A bourn will be built around the perimeter of the location to prevent flooding. Pad size will be 200' x 400' including the reserve pit. The wellsite will be no closer than 25' from the county road. 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. 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 stockpiled soil 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. The location site and access road shall then 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.

11. OTHER INFORMATION

Topography of the area is relatively flat lake bottom with a few stabilized sand dunes. Vegetation is very sparse, there is no topsoil, the surface is mostly clay. Wildlife consists of birds, rodents, and reptiles. Mineral exploration is the only known surface use activity in the area. There are no cultural or archeological sites in the area of this location. There are no occupied dwellings or water in the immediate vicinity of this proposed wellsite.

Belco employees, it's contractors and subcontractors will be notified of BIA regulations concerning the gathering of fire wood. They will be informed that firearms are prohibited in this area. A sign stating the following will be placed on the access road to the location site:

AUTHORIZED PERSONNEL ONLY
BELCO DEVELOPMENT CORPORATION
NORTH DUCK CREEK 62-30
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

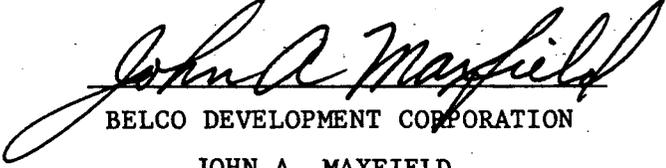
Belco Development's representative for this operation will be Mr. J. C. Ball, District Engineer, P.O. Box X, Vernal, Utah 84078. Telephone contact number is 1-801-789-0790.

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 herein are to the best of my knowledge true and correct; and that the work associated with the operations proposed in this plan 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

8-20-82


BELCO DEVELOPMENT CORPORATION

JOHN A. MAXFIELD
DISTRICT MANAGER

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

WELL NAME NORTH DUCK CREEK 62-30

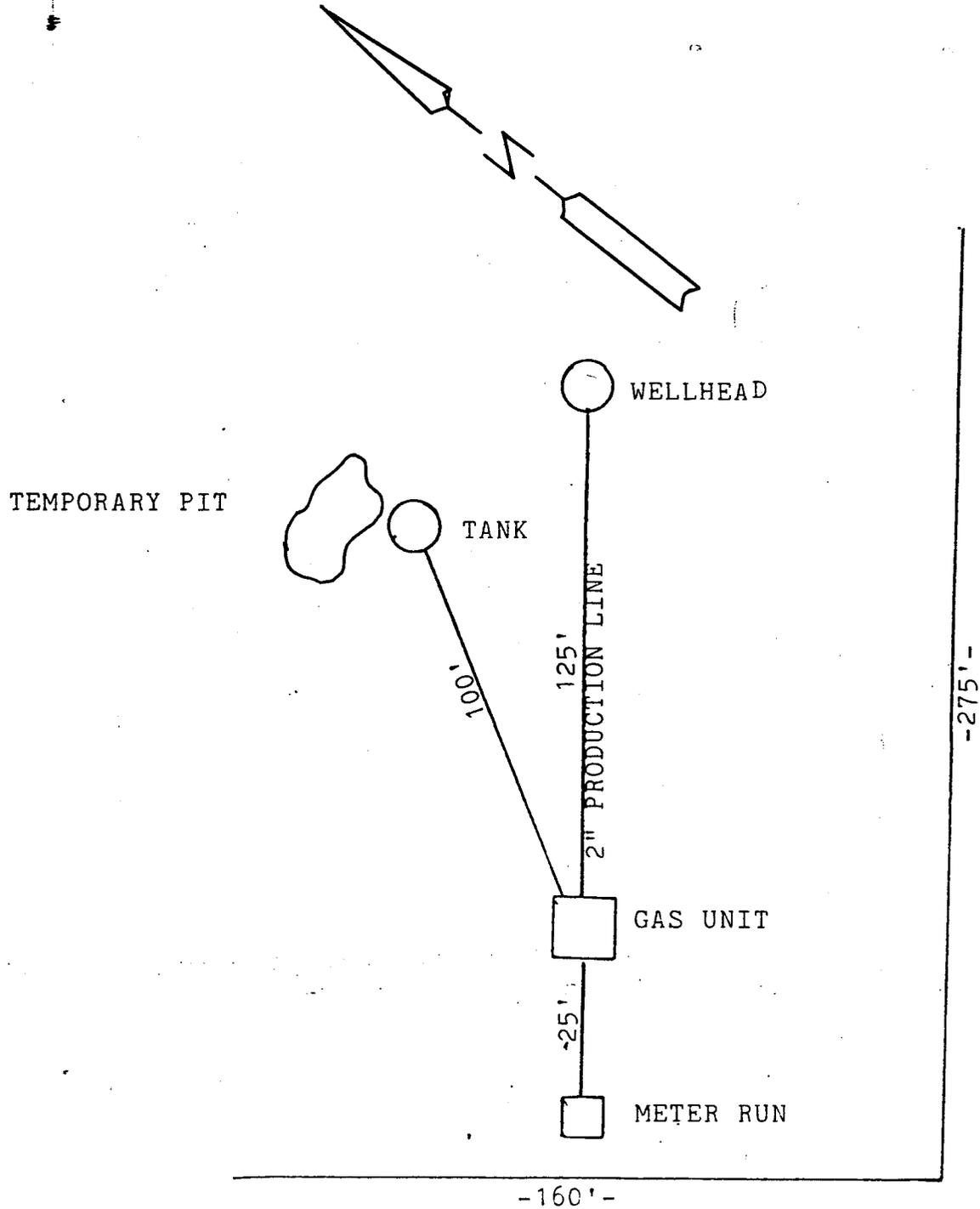
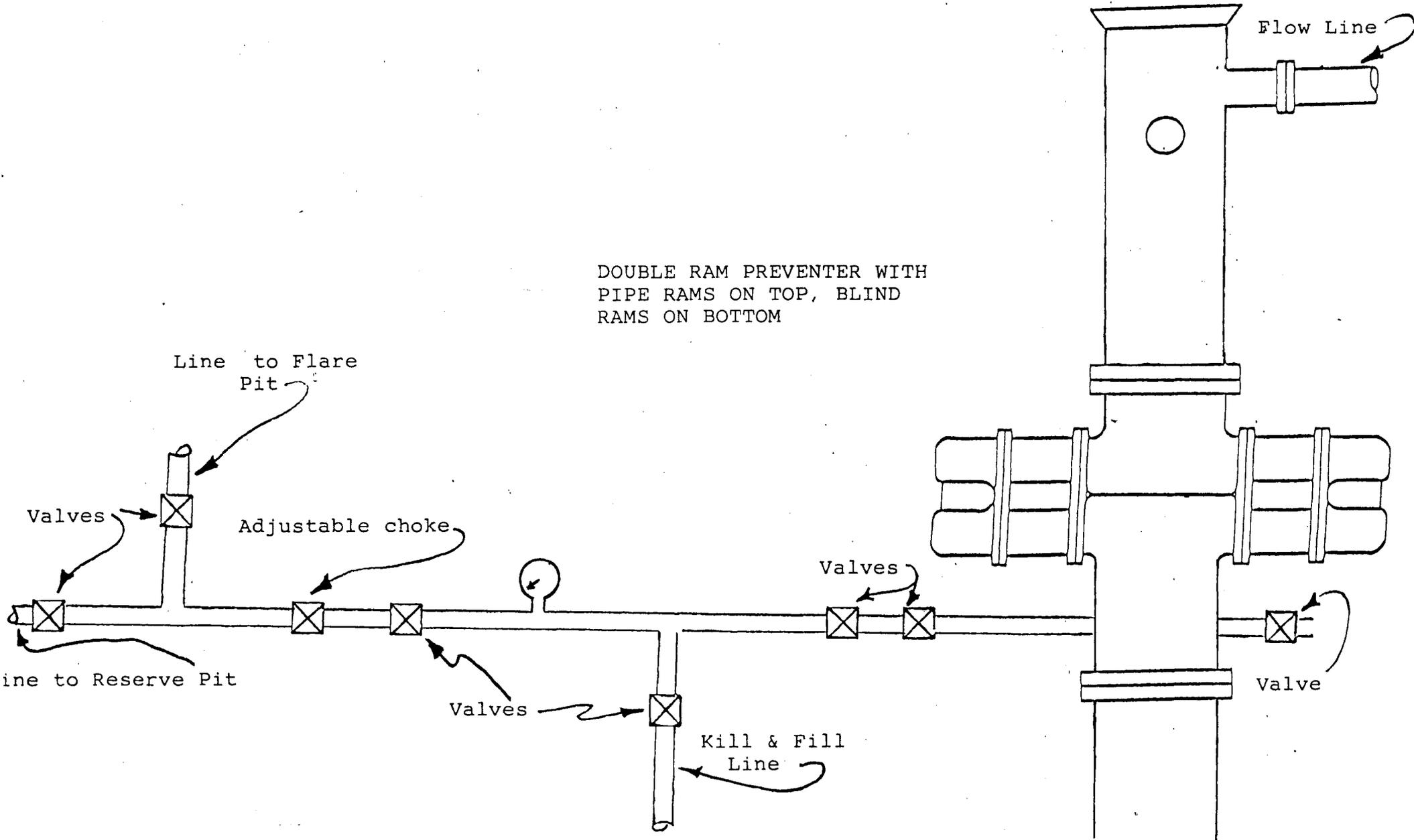
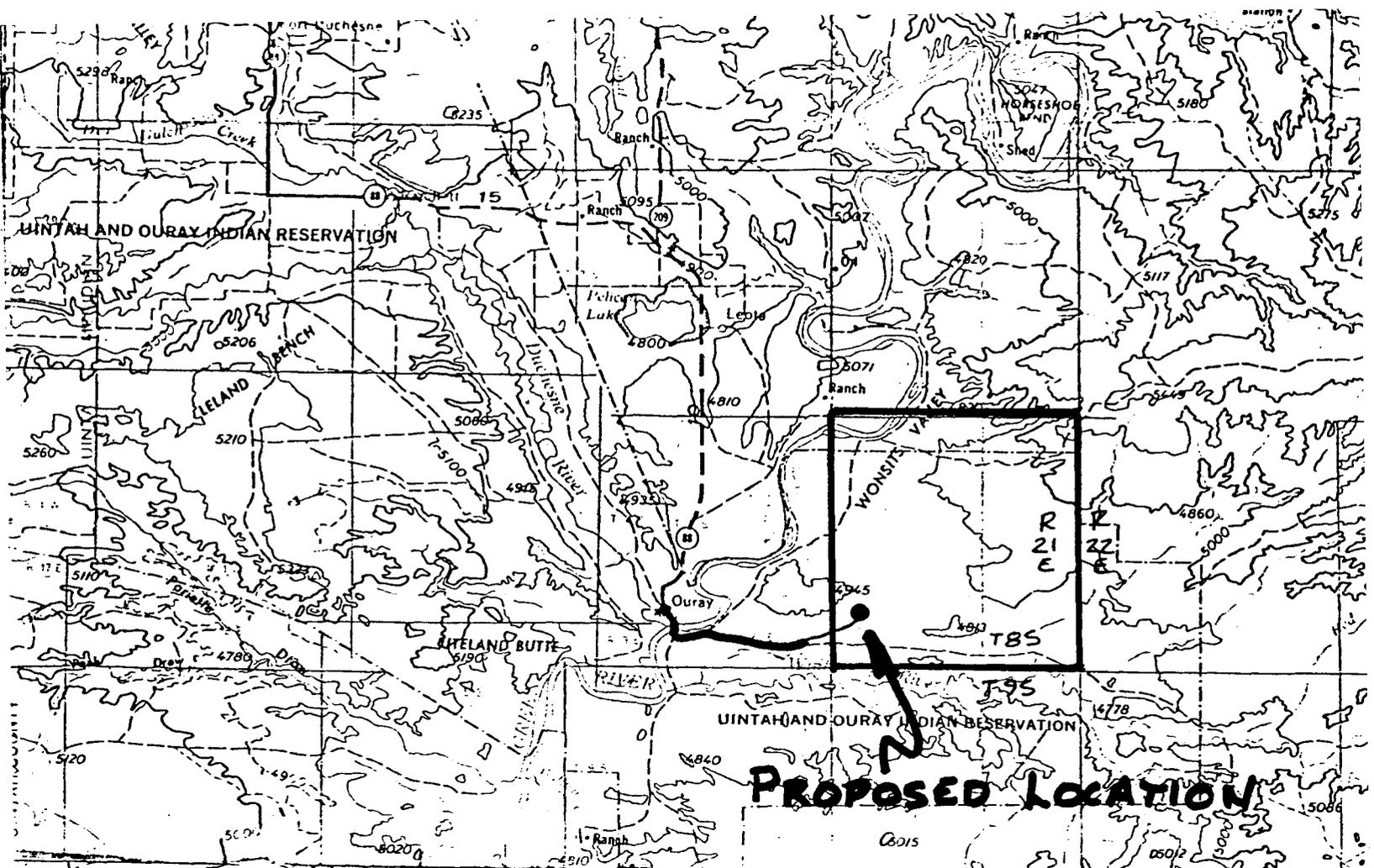


DIAGRAM B
BELCO DEVELOPMENT CORPORATION
BOP DESIGN

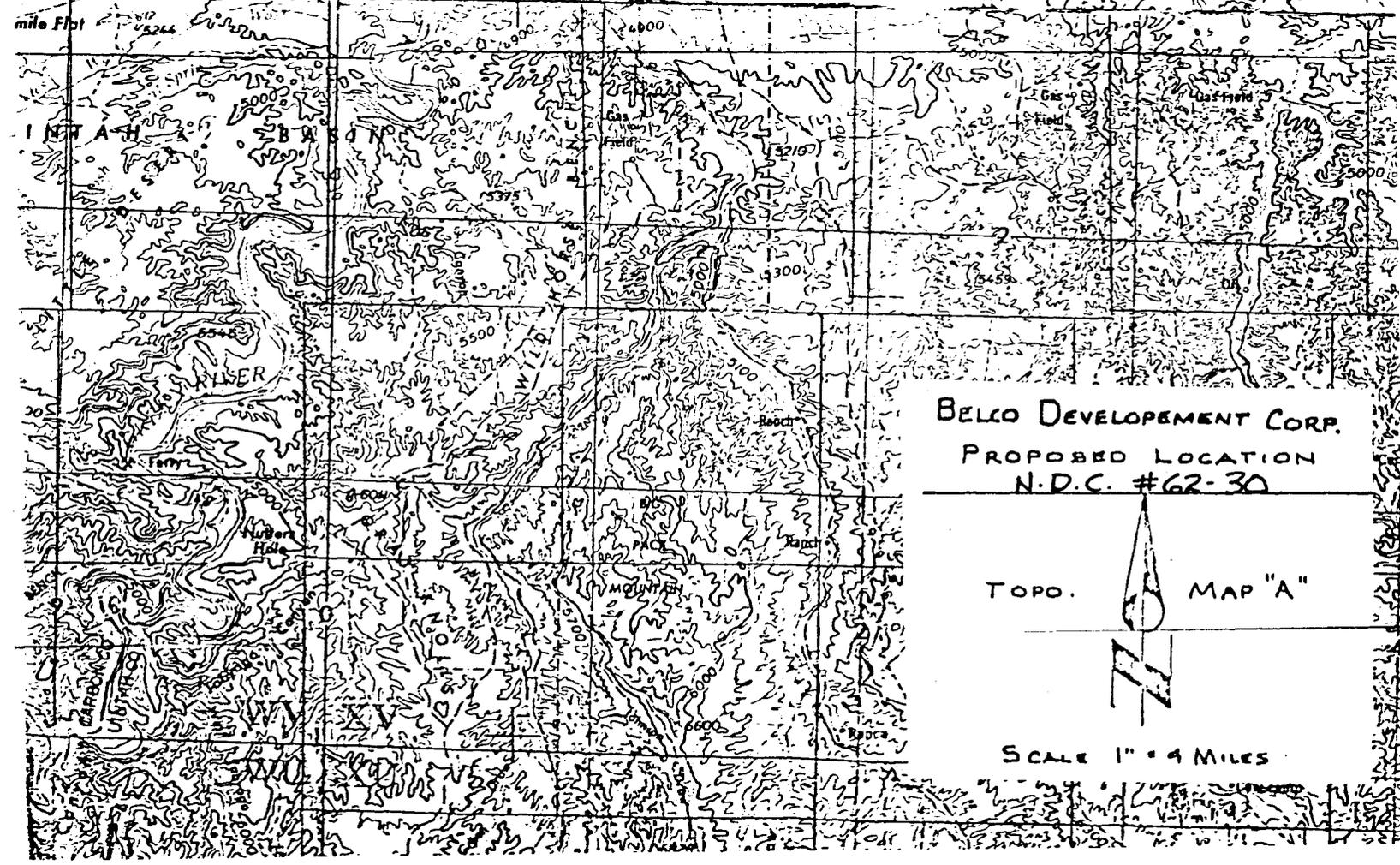
DOUBLE RAM PREVENTER WITH
PIPE RAMS ON TOP, BLIND
RAMS ON BOTTOM



10" Series 900 Casing Flange



PROPOSED LOCATION



BELCO DEVELOPEMENT CORP.
 PROPOSED LOCATION
 N.D.C. #62-30

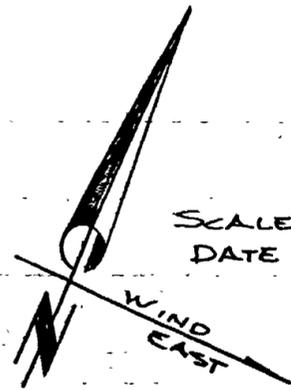
TOPO. MAP "A"



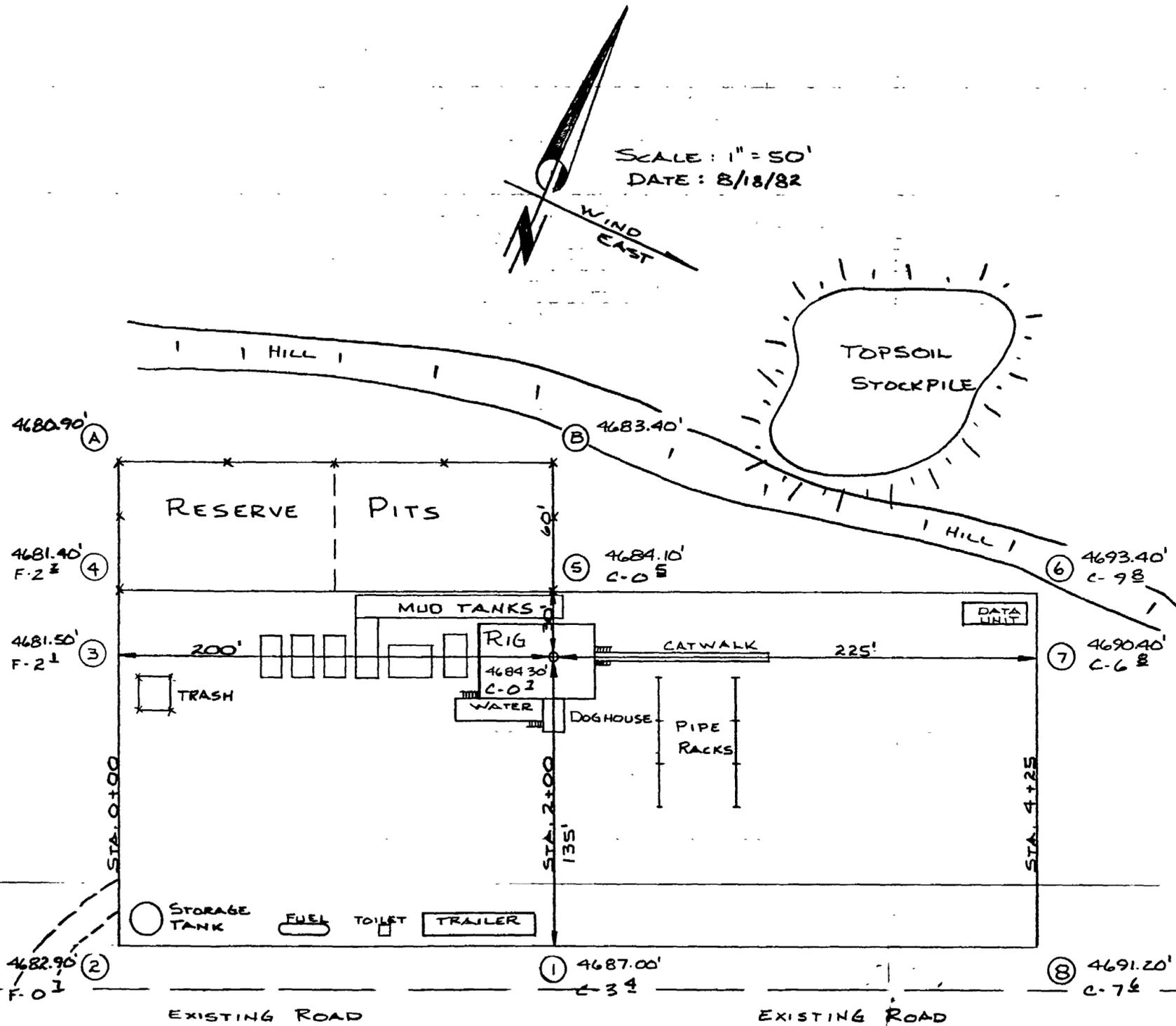
SCALE 1" = 4 MILES

BELCO DEVELOPMENT C RP.

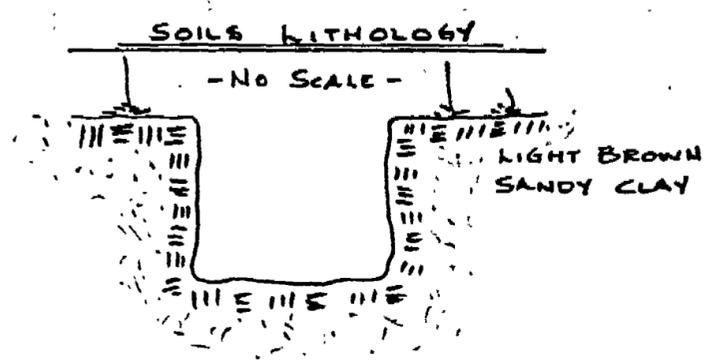
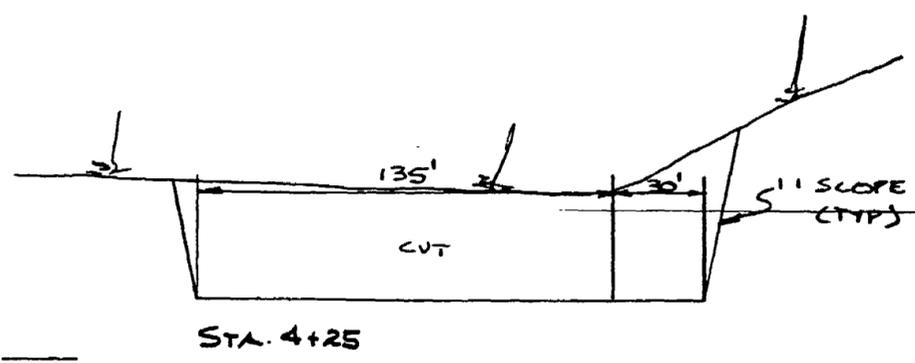
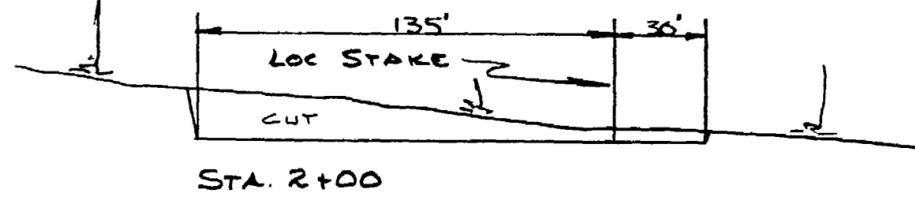
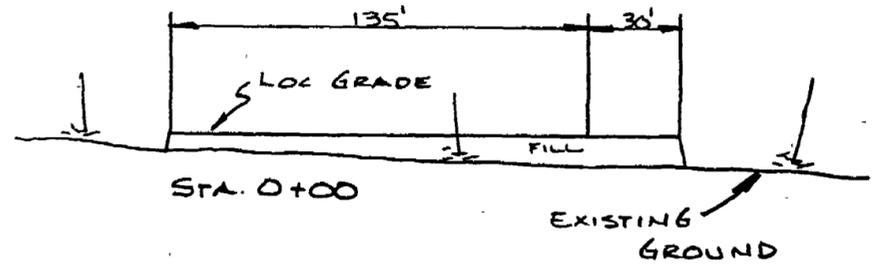
N.D.C. # 62-30



SCALE: 1" = 50'
DATE: 8/18/82

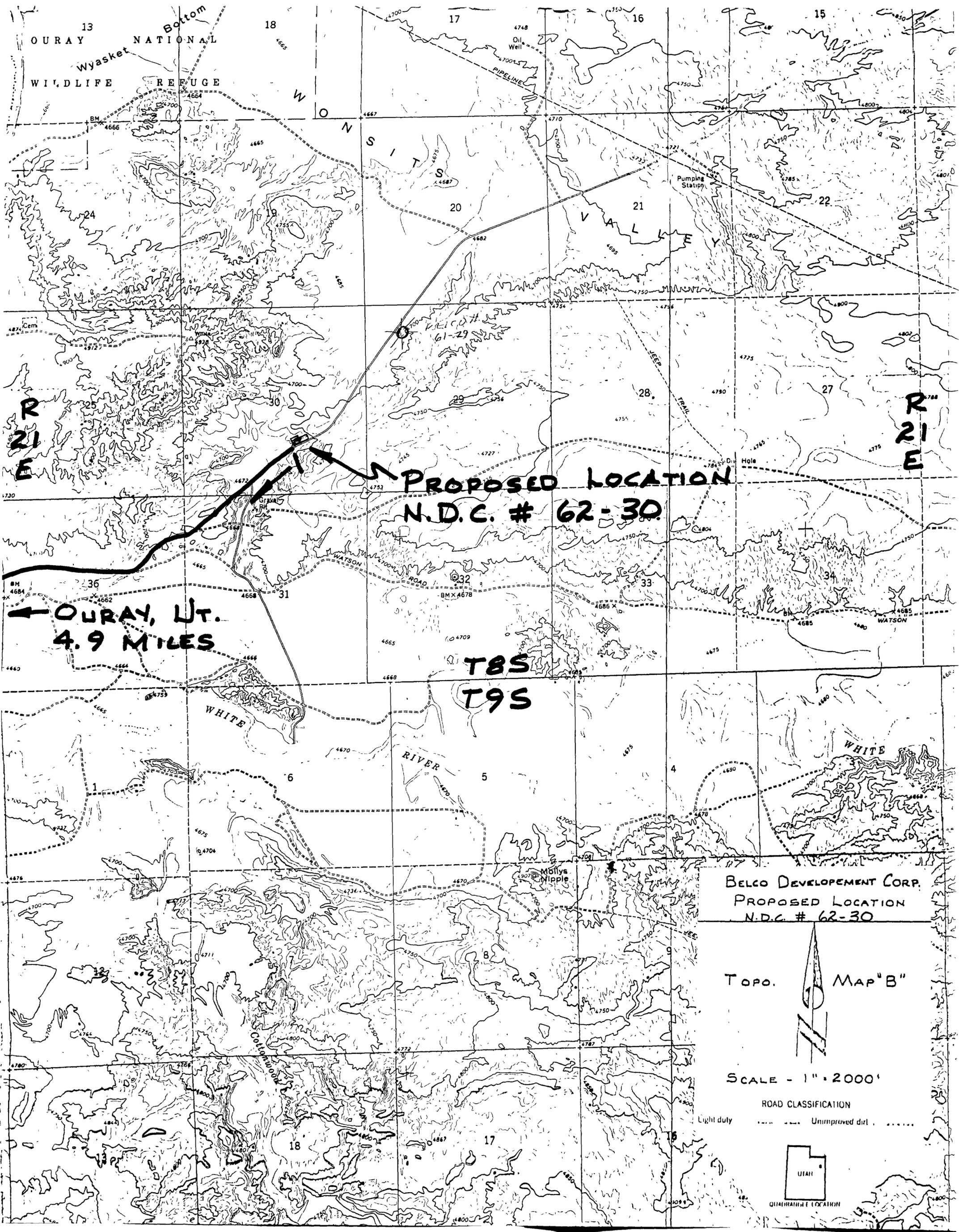


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1" = 10'
SCALES
1" = 50'

APPROX. YARDAGES
CU. YDS. CUT - 7,600
CU. YDS. FILL 955



**PROPOSED LOCATION
N.D.C. # 62-30**

**← OURAY, UT.
4.9 MILES**

**T8S
T9S**

**BELCO DEVELOPEMENT CORP.
PROPOSED LOCATION
N.D.C. # 62-30**

TOPO. MAP "B"



SCALE - 1" = 2000'

ROAD CLASSIFICATION
Light duty Unimproved dirt



**UTAH
QUADRANGLE LOCATION**

** FILE NOTATIONS **

DATE: 8-30-82
OPERATOR: Belco Development Corp
WELL NO: York Duck Creek 62-30
Location: Sec. NWSE 30T. 85 R. 21E County: WINTON

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

API Number 43-047-31264

CHECKED BY:

Petroleum Engineer: OK Order 173-2

Director: _____

non Administrative Aide: _____

APPROVAL LETTER:

Bond Required: Survey Plat Required:
Order No. 173-172 4/25/79 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 Plotted on Map
Approval Letter Written
Hot Line P.I.

TOWNSHIP PLAT

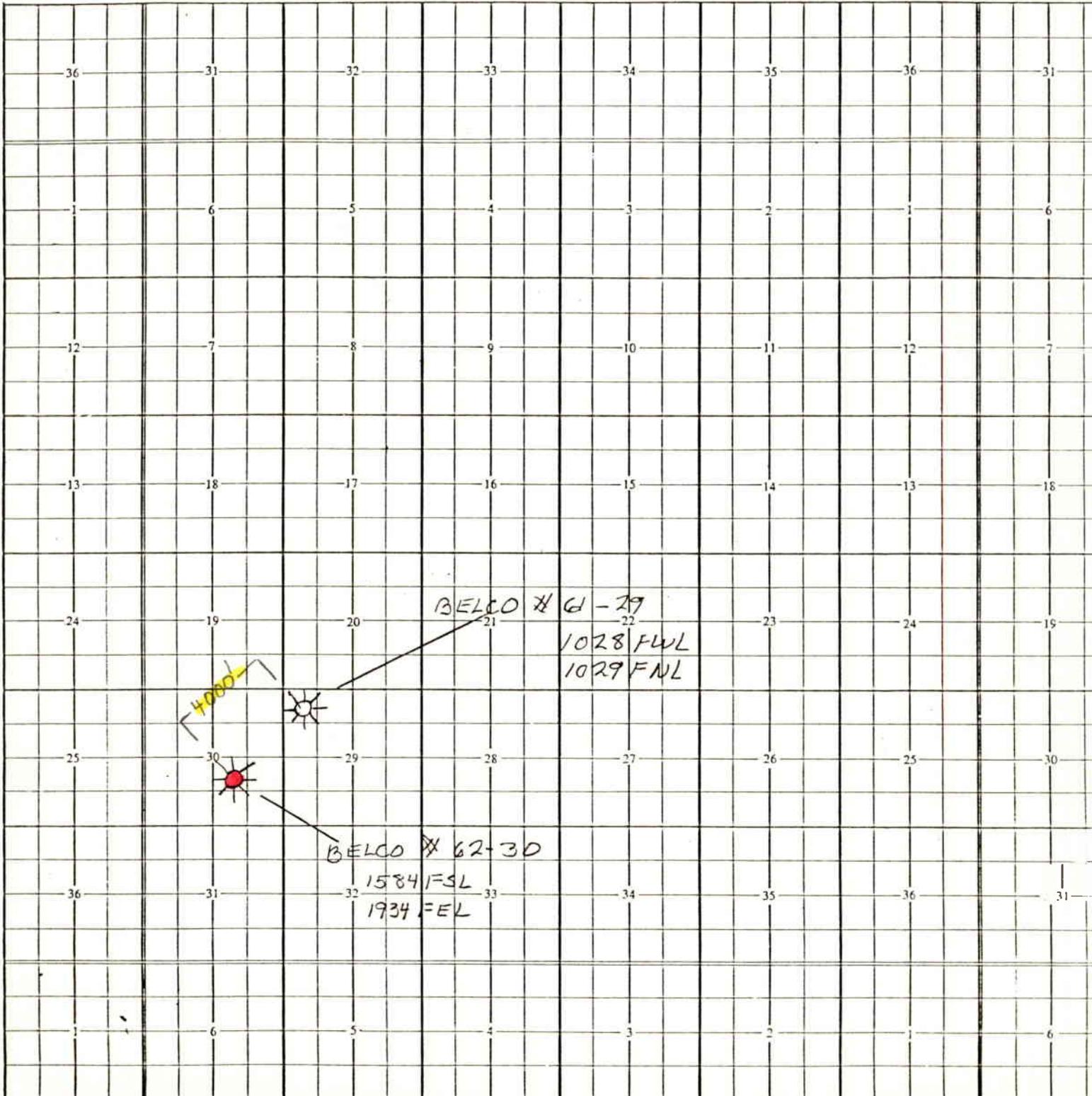
Owner BELCO

Date 8-25-82

Township 8S

Range 21E

County WYNTAH



August 31, 1982

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

RE: Well No. North Duck Creek 62-30
NWSE Sec. 30, T. 8S, R. 21E
Uintah County, Utah

Gentlemen:

Insofar as this office is concerned, approval to drill the above referred to gas well is hereby granted in accordance with the Order issued in Cause No. 173-2 dated April 25, 1979.

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 - Engineer
Office: 533-5771
Home: 571-6068

OR

CLEON B. FEIGHT - Director
Office: 533-5771
Home: 466-4455

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 43-047-31264.

Sincerely,


Norman C. Stout
Administrative Assistant

NCS/as
cc: Minerals Management Service
Enclosure



STATE OF UTAH
NATURAL RESOURCES & ENERGY
Oil, Gas & Mining

Scott M. Matheson, Governor
Temple A. Reynolds, Executive Director
Cleon B. Feight, Division Director

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

March 21, 1983

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

Re: See attached list of wells

Gentlemen:

In reference to the above mentioned wells, considerable time has gone by since approval was obtained from this office.

This office has not received any notification of spudding. If you do not intend to drill these wells, please notify this Division. If spudding or any other activity has taken place, please send necessary forms. If you plan to drill these locations at a later date, please notify as such.

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 acknowledgement should avoid unnecessary mailing of a firm second notice from our agency.

Your prompt attention to the above will be greatly appreciated.

Respectfully,

DIVISION OF OIL, GAS AND MINING

A handwritten signature in cursive script that reads "Cari Furse".

Cari Furse
Well Records Specialist

CF/cf

Well No. North Duck Creek # 62-30
Sec. 30, T. 8S, R. 21E.
Uintah County, Utah

Well No. North Duck Creek # 48-17
Sec. 17, T. 9S, R. 20E.
Uintah County, Utah

Well No. Natural Duck # 18-20GR
Sec. 20, T. 9S, R. 20E.
Uintah County, Utah

Well No. Natural Buttes # 7-19GR
Sec. 19, T. 9S, R. 21E.
Uintah County, Utah

Well No. Natural Buttes Unit # 201-20
Sec. 20, T. 9S, R. 21E.
Uintah County, Utah

Well No. Chapita Wells # 203-16MV
Sec. 16, T. 9S, R. 22E.
Uintah County, Utah

Belco Development Corporation

Belco

March 23, 1983

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

SUBJECT: See attached List of Wells

Dear Sirs,

This letter is to notify you that Belco does not intend at this time to drill any of the wells on the attached list. There has been no surface disturbance at any of these locations. If at some future date these wells should come up for possible drilling activity, a new APD will be issued.

Very truly yours,



Kathy Knutson
Superintendent

Well No. North Duck Creek # 62-30
Sec. 30, T. 8S, R. 21E.
Uintah County, Utah

Well No. North Duck Creek # 48-17
Sec. 17, T. 9S, R. 20E.
Uintah County, Utah

Well No. Natural Duck # 18-20GR
Sec. 20, T. 9S, R. 20E.
Uintah County, Utah

Well No. Natural Buttes # 7-19GR
Sec. 19, T. 9S, R. 21E.
Uintah County, Utah

Well No. Natural Buttes Unit # 201-20
Sec. 20, T. 9S, R. 21E.
Uintah County, Utah

Well No. Chapita Wells # 203-16MW
Sec. 16, T. 9S, R. 22E.
Uintah County, Utah

3140
(U-922)

August 10, 1983

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

Re: Application for Permit to Drill
Well No. 62-30
Section 30-T8S-R21E
Uintah County, Utah
Lease No. U-24230

Gentlemen:

The referenced Application for Permit to Drill was received in this office August 23, 1982.

We are returning your application unapproved as our environmental scientist Mr. Cody Hansen, informed us that you are not going to drill this well. If you decide to drill at this location, a new complete package must be submitted.

If you have any questions, please feel free to call.

Sincerely,

E. W. Gynn
Chief, Branch of
Fluid Minerals

bcc:

BLM-Vernal
State O&C ✓
State BLM
Well File
APD Control
922:DHorsley:rs:8/10/83:4590

