

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: 532' FWL & 2388' FNL SW/NW
 At proposed prod. zone: 660'
 SAME

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
 4 1/2 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)

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

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
 4709' NATURAL UNGRADED GROUND LEVEL

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"	36.0# K-55	+200'	200 sx class "C" cement
7 7/8"	4 1/2"	11.6# K-55	+7400'	Min 900 sx 50-50 poz-mix
Sufficient to				protect all shale, hydrocarbon zones.

SEE ATTACHMENTS FOR:

- 10 POINT PROGRAM
- 13 POINT SURFACE USE PLAN
- LOCATION PLAT
- LOCATION LAYOUT
- TOPO MAPS "A" AND "B"
- PRODUCTION FACILITIES SCHEMATIC
- BOP DESIGN

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. Bell 1-789-0790 TITLE DISTRICT ENGINEER DATE 10-4-83

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

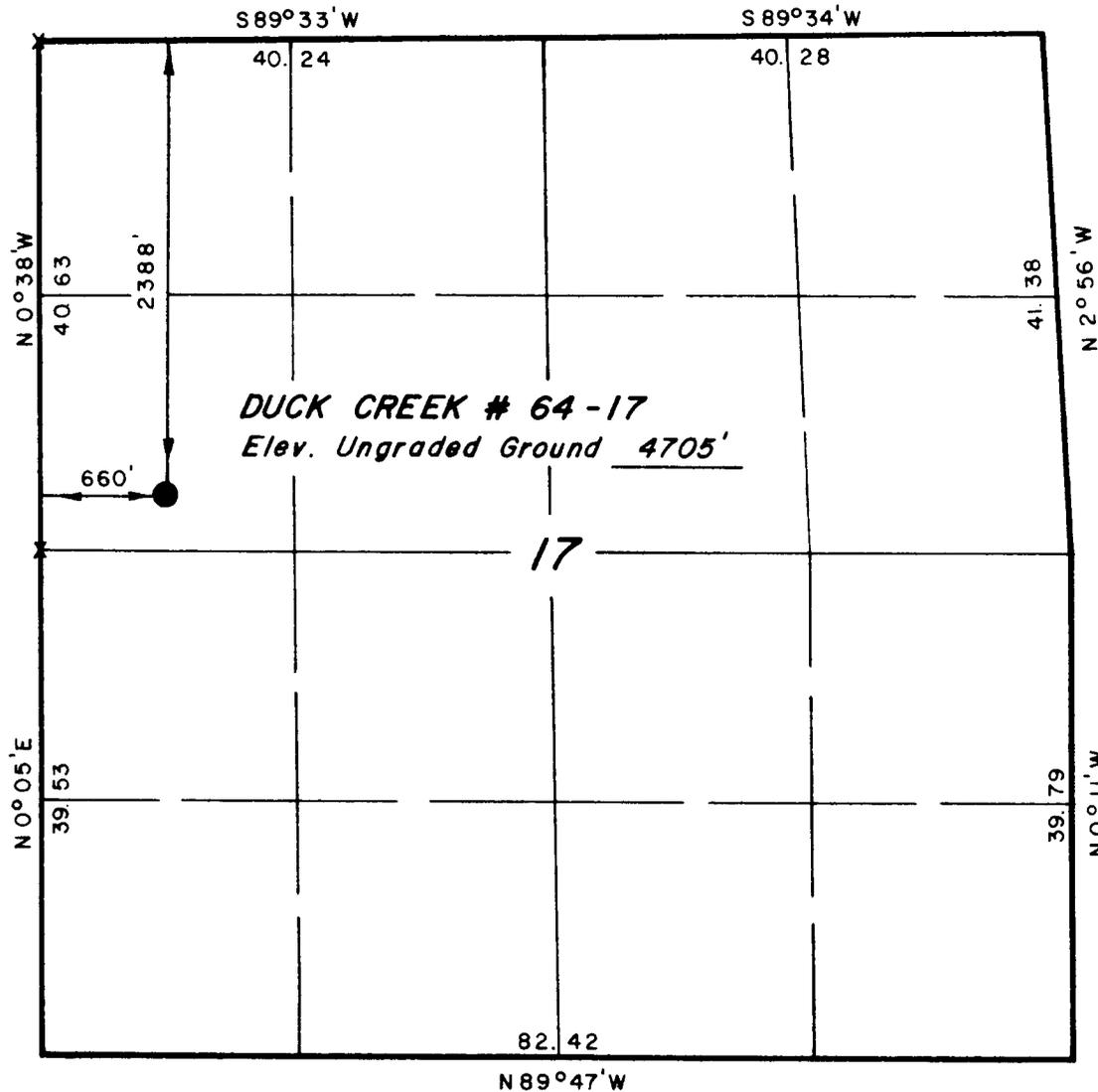
187-2
 10-19-83

5. LEASE DESIGNATION AND SERIAL NO.
 U-28400
 6. IF INDIAN, ALLOTTEE OR TRIBE NAME
 UTE TRIBE SURFACE
 7. UNIT AGREEMENT NAME
 8. FARM OR LEASE NAME
 DUCK CREEK
 9. WELL NO.
 64-17
 10. FIELD AND POOL, OR WILDCAT
 NATURAL BUTTES
 11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
 SEC 17, T9S, R20E
 12. COUNTY OR PARISH
 UINTAH
 13. STATE
 UTAH

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

PROJECT
BELCO DEVELOPMENT CORP.

Well location, *DUCK CREEK # 64-17*,
 located as shown in the SW 1/4 NW 1/4
 Section 17, T9S, R20E, S.L.B. & M.
 Uintah County, Utah.



X = Section Corners Located



CERTIFICATE

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

Dene Stewart
 REGISTERED LAND SURVEYOR
 REGISTRATION NO 3154
 STATE OF UTAH

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

SCALE	1" = 1000'	DATE	10/13/83 Revised
PARTY	BW JK SB	REFERENCES	GLO Plat
WEATHER	Cool	FILE	BELCO

CASING PROGRAM

Adequate and sufficient electric/radioactive logs will be run to locate and identify the prime oil shale horizons 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 resource. Surface casing program may require adjustment for protection of fresh water aquifers. See attached tentative casing and cementing program for the Uinta Basin.

10 POINT PROGRAM

1. GEOLOGIC SURFACE FORMATION

Uinta formation of the upper Eocene Age.

2. ESTIMATED TOPS OF IMPORTANT GEOLOGIC MARKERS

Uinta	Surface
Green River	1419'
Wasatch	5339'

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

Green River	1419-5339'	Oil shale Zone
Wasatch	5339-7400'	Possible Gas

4. PROPOSED CASING PROGRAM

9 5/8" 36.0 # K-55 csg set @ 200', cmted to surface w/200 sx class "G" cement.
4 1/2" 11.6# K-55 csg set @ 7400', cement w/min of 900 sx 50-50 poz-mix to adequately protect all productive intervals.

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.

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 if 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 D11, CNL, FDC w/Caliper & 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

Anticipated starting date is November 1, 1983.
Drilling operations should be complete approximately 4 weeks from the date they commence.

DUCK CREEK 64-17
13 POINT SURFACE USE PLAN

1. EXISTING ROADS

This wellsite is located 532' FWL & 2388' FNL, SW/NW Section 17, T9, R20E, Uintah County, Utah. This is approximately 4 1/2 miles south 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 existing roads within one mile of the proposed wellsite. Employee's of Belco, it's contractors and subcontractors will be instructed to remain only on established roads and the wellsite as per BIA regulations.

2. PLANNED ACCESS ROAD

Belco's planned access road is shown on attached Topo map "B". The access road will be approximately .45 miles in length and will enter the wellsite from the northeast. The access road will be a minimum 18' crown road with a 36" culvert for water diversion. Maximum road grade will not exceed 3%. There is no need for turnouts, maximum disturbed area will not exceed 24'. The proposed access road will cross over CIG's 3" surface pipeline. The pipeline will be wrapped and buried beneath the proposed road. 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 BIA as per the resurvey by Uintah Engineering and their affidavit of completion.

3. LOCATION OF EXISTING WELLS

See the attached area map for location of existing wells near the proposed site.

4. LOCATION OF EXISTING AND PROPOSED FACILITIES

Existing production facilities within one mile of the proposed wellsite are the tank batteries and production facilities for the area wells. (See map of area wells). CIG has a 3" gas pipeline that runs near the location and that will pass underneath the access road.

The attached location layout sheet 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. The production tanks 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 then 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 needed for production activities 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 well will be obtained from the Green River at a point near the Green River Bridge in Section 33, T8S, R20E, and hauled by truck over existing roads and Belco's planned access road. A Water Permit will be purchased from the BIA prior to commencing 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 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 materials are anticipated at this time. Top soil will be piled in the South center and used later for rehabilitation purposes.

7. METHODS OF HANDLING WASTE DISPOSAL

Drill cuttings, drilling fluids, salts, chemicals and produced fluids will be disposed of in the reserve pit located on the pad. A portable toilet will be provided for human waste during the drilling phase of the well. Garbage will be contained in a wire mesh cage and be 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 all domestic animals and wildlife. This pit will be used during the completion and testing phase of the well for storage of produced fluids.

8. ANCILLARY FACILITIES

No airstrips for camps are planned for this well.

9. WELLSITE LAYOUT

See the attached Location Layout 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 are also shown.

10. PLANS FOR SURFACE RESTORATION

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 then backfilled. Any areas not needed for production operations shall be restored to as near their original contour as is feasible. After all production activities have ended, or if abandonment is required, the location site and access road will be reshaped to the original contour and the stockpiled top soil spread over the disturbed area. Any drainages rerouted during the construction activities shall be restored to as near their original flow as possible. The location site and access road will then be reseeded with a seed mixture recommended by the BIA at a time of year when the moisture content of the soil is adequate for seed germination.

11. OTHER INFORMATION

Topography of the area is relatively flat with a few stabilized sand dunes. Vegetation is very sparse with native grasses and sagebrush. The soil is a light brown sandy clay. Wildlife consists of birds, rodent and reptiles. Mineral exploration and grazing is the only known surface use activity. There are no occupied dwellings in the immediate vicinity of this wellsite.

Belco employees, it's contractors and subcontractors will be notified of BIA regulations concerning the gathering of firewood. They will also be informed that firearms are strictly prohibited on the reservation. A sign will be placed on the access road to the location site stating:

AUTHORIZED PERSONNEL ONLY
BELCO DEVELOPMENT CORPORATION
DUCK CREEK 64-17
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 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

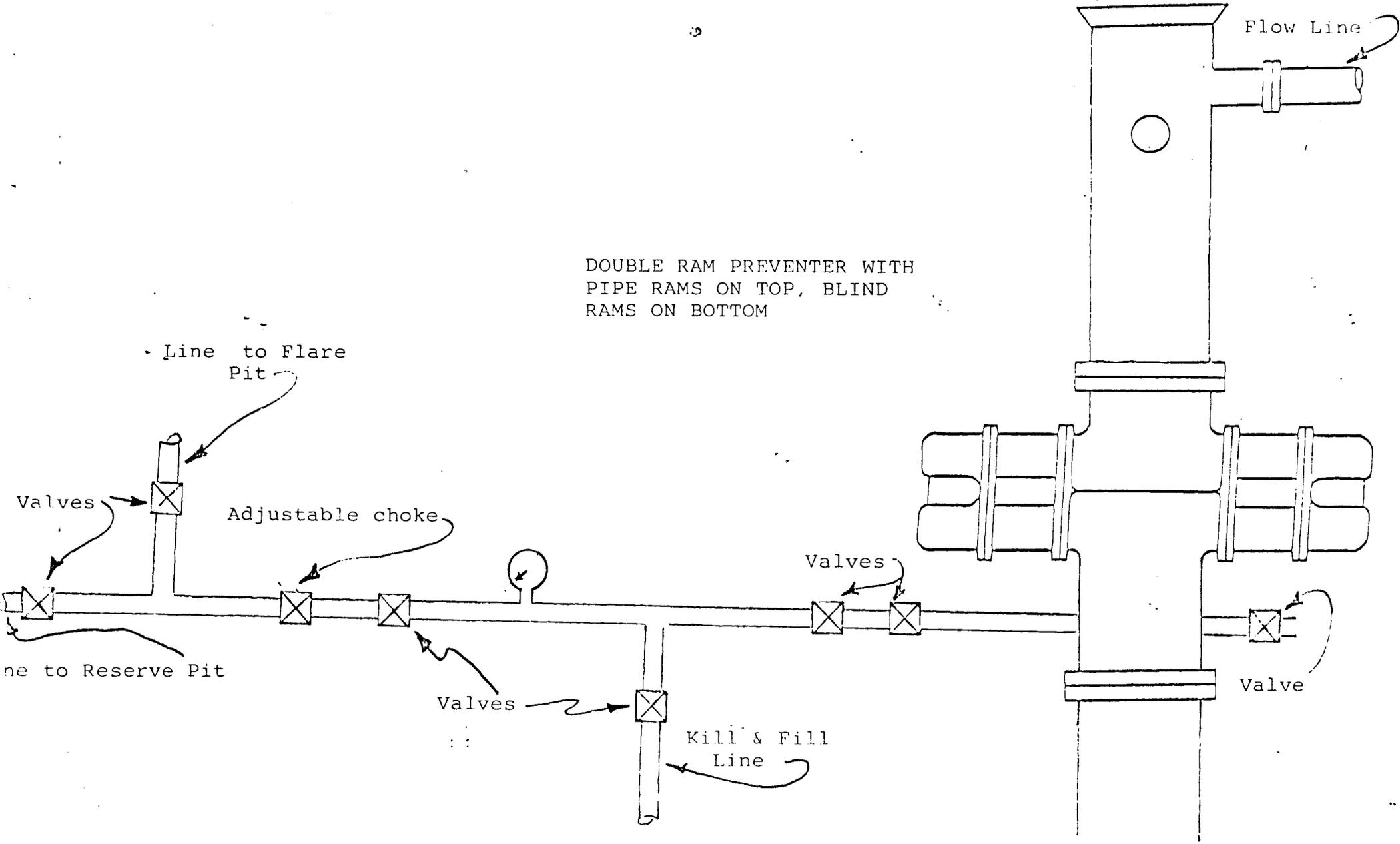
10-5-85

 JERRY

BELCO DEVELOPMENT CORPORATION
J. C. Ball
District Engineer

DIAGRAM B
BELCO DEVELOPMENT CORPORATION
BOP DESIGN

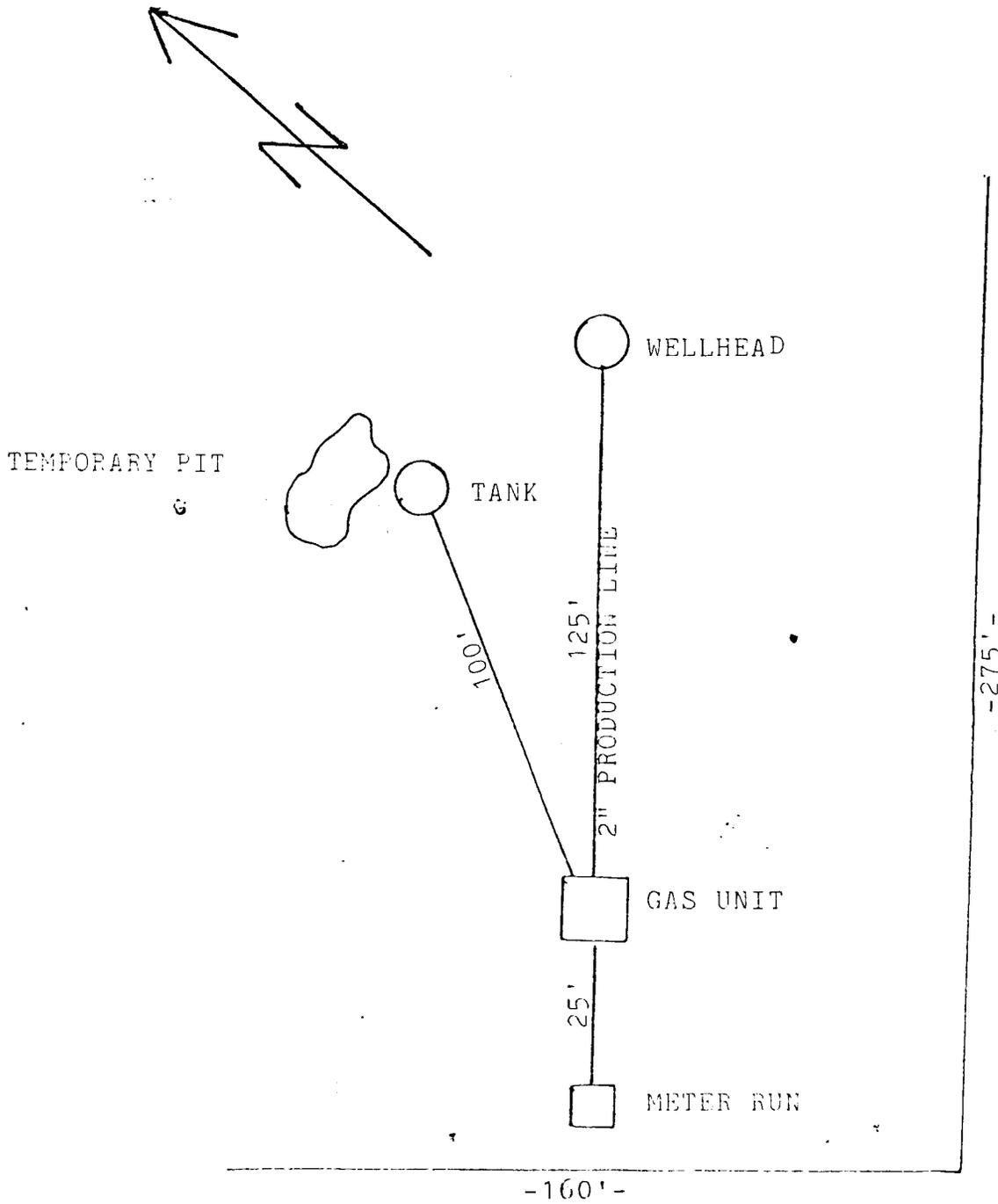
DOUBLE RAM PREVENTER WITH
PIPE RAMS ON TOP, BLIND
RAMS ON BOTTOM



10" Series 900 Casing Flange

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

WELL NAME DUCK CREEK 64-17



VERNAL

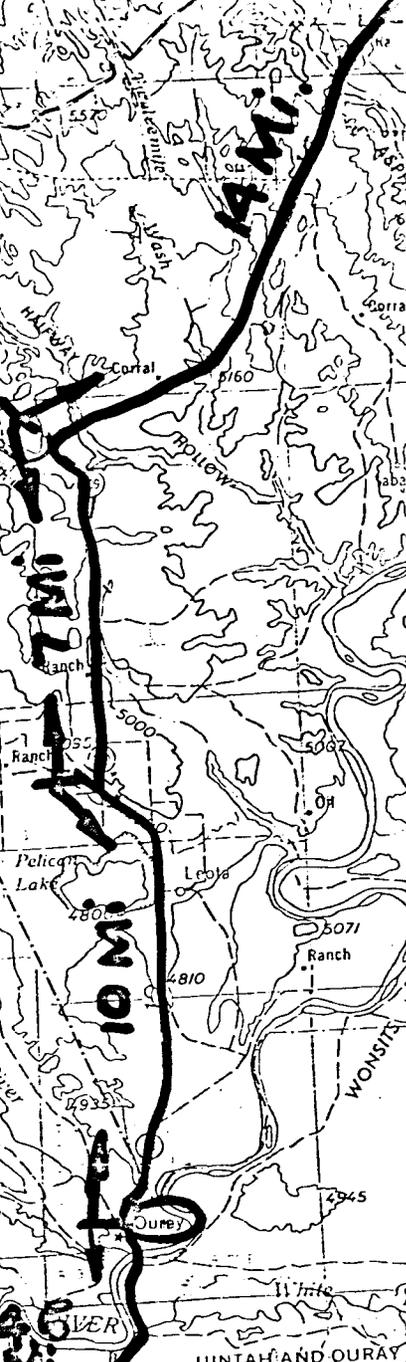
**BELCO DEVELOPMENT CORP.
DUCK CREEK #64-17**

PROPOSED LOCATION

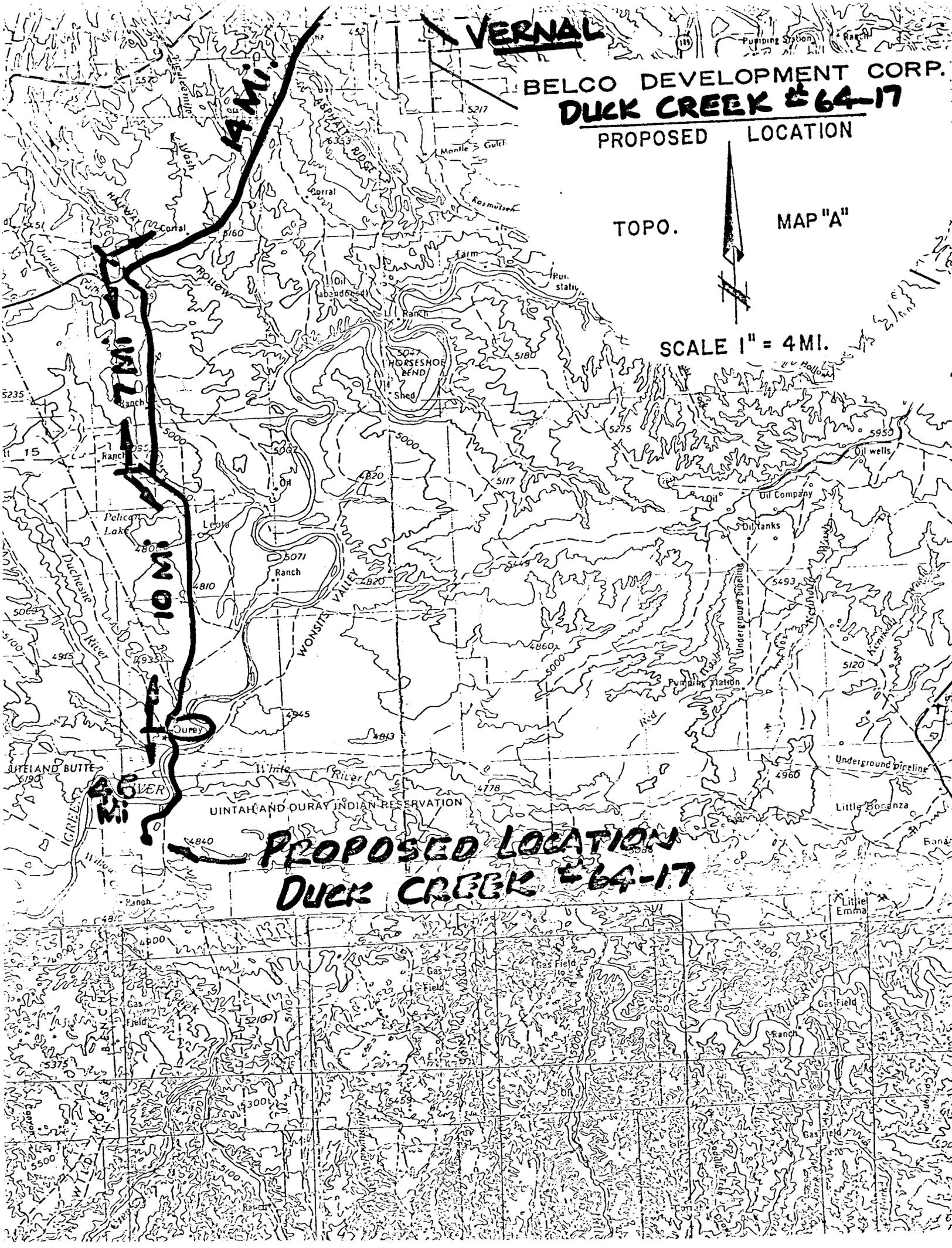
TOPO.

MAP "A"

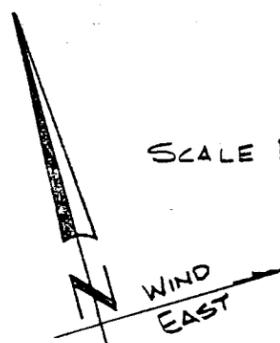
SCALE 1" = 4 MI.



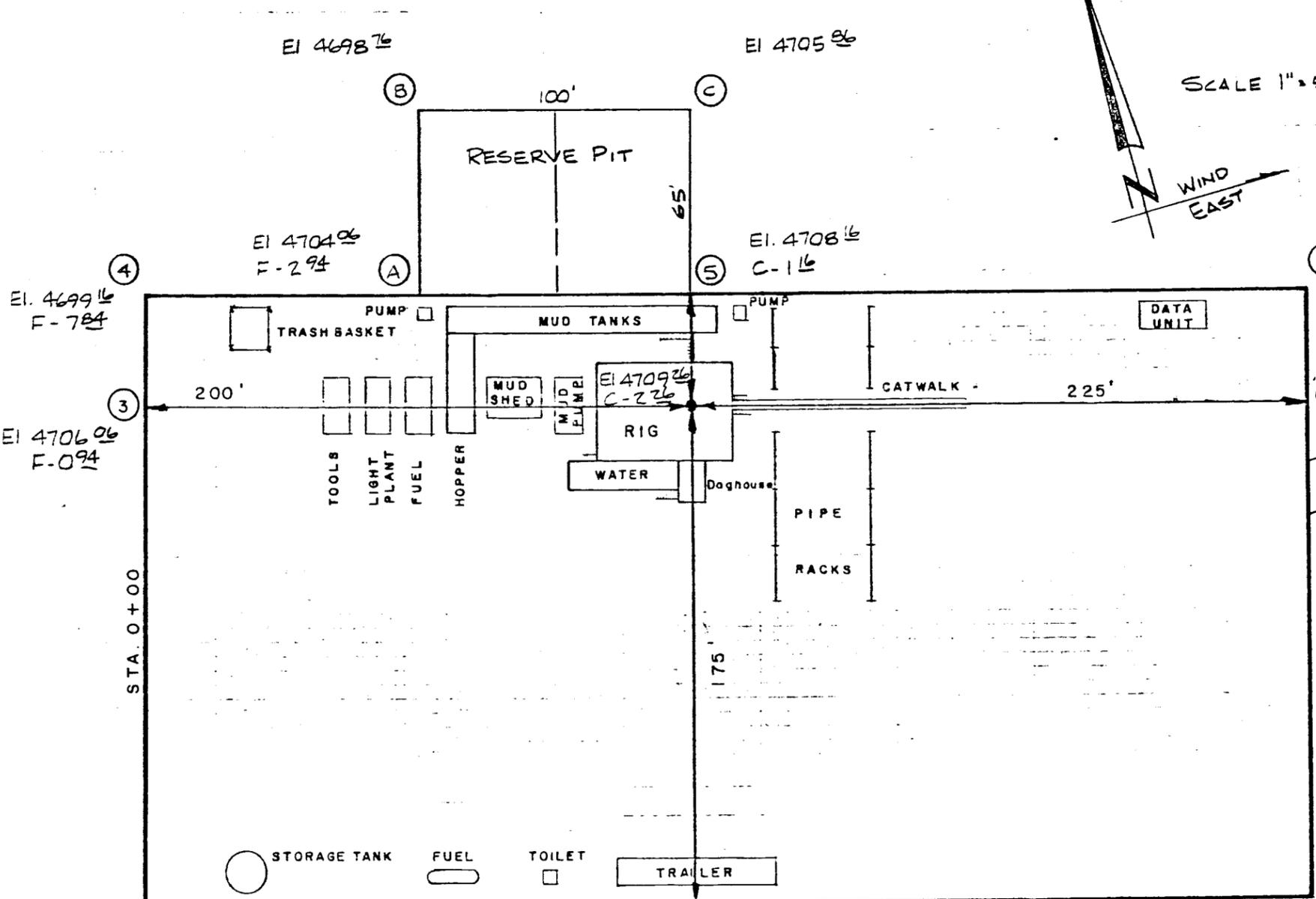
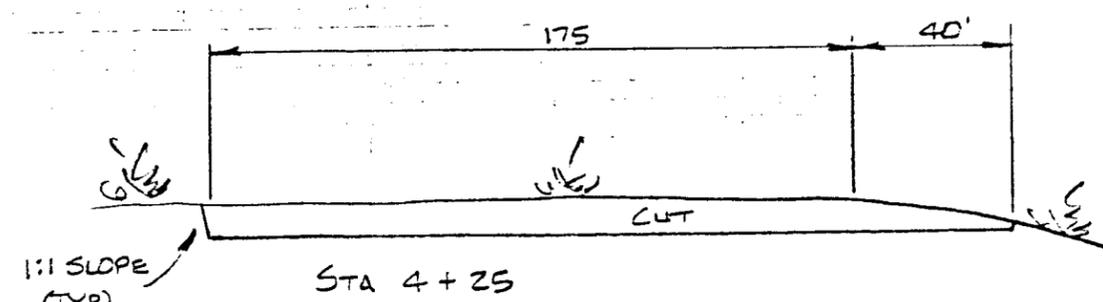
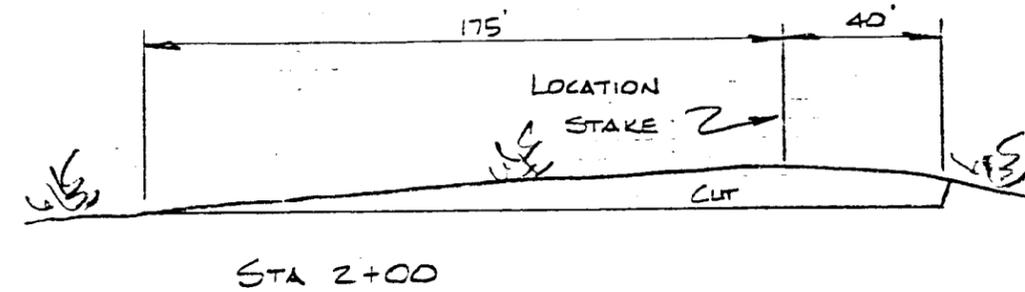
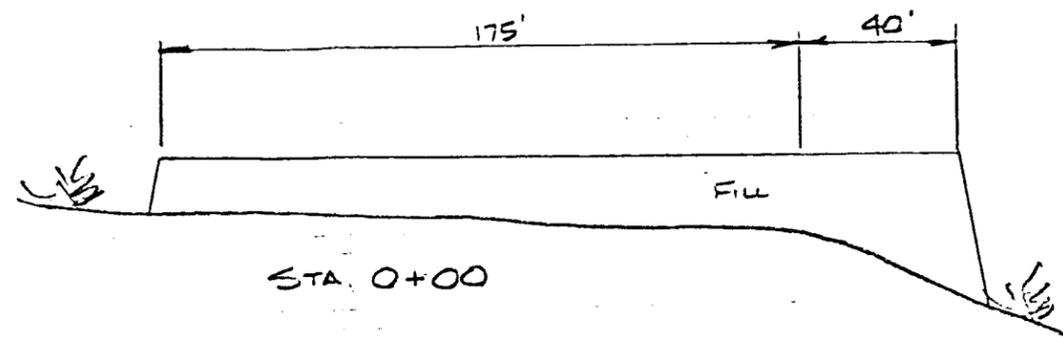
**PROPOSED LOCATION
DUCK CREEK #64-17**



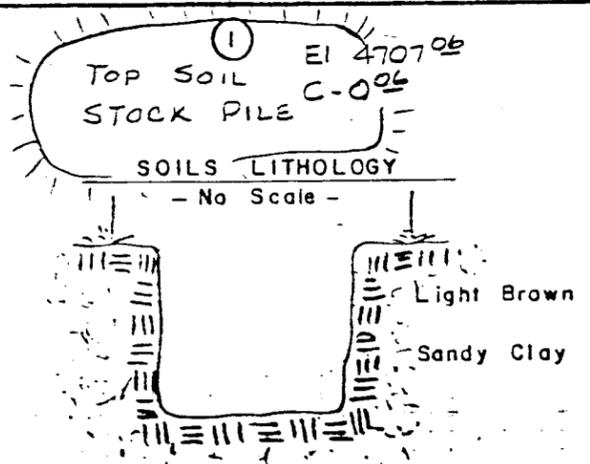
BELCO DEVELOPMENT CORP.
DUCK CREEK #64-17



SCALE 1" = 50'



PROPOSED ROAD



Scales
1" = 50'

APPROXIMATE YARDAGES

Cubic Yards of Cut - 3,717
Cubic Yards of Fill - 3,129

BELCO DEVELOPMENT CORP. DUCK CREEK 64-17

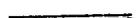
PROPOSED LOCATION

TOPO.

MAP "B"

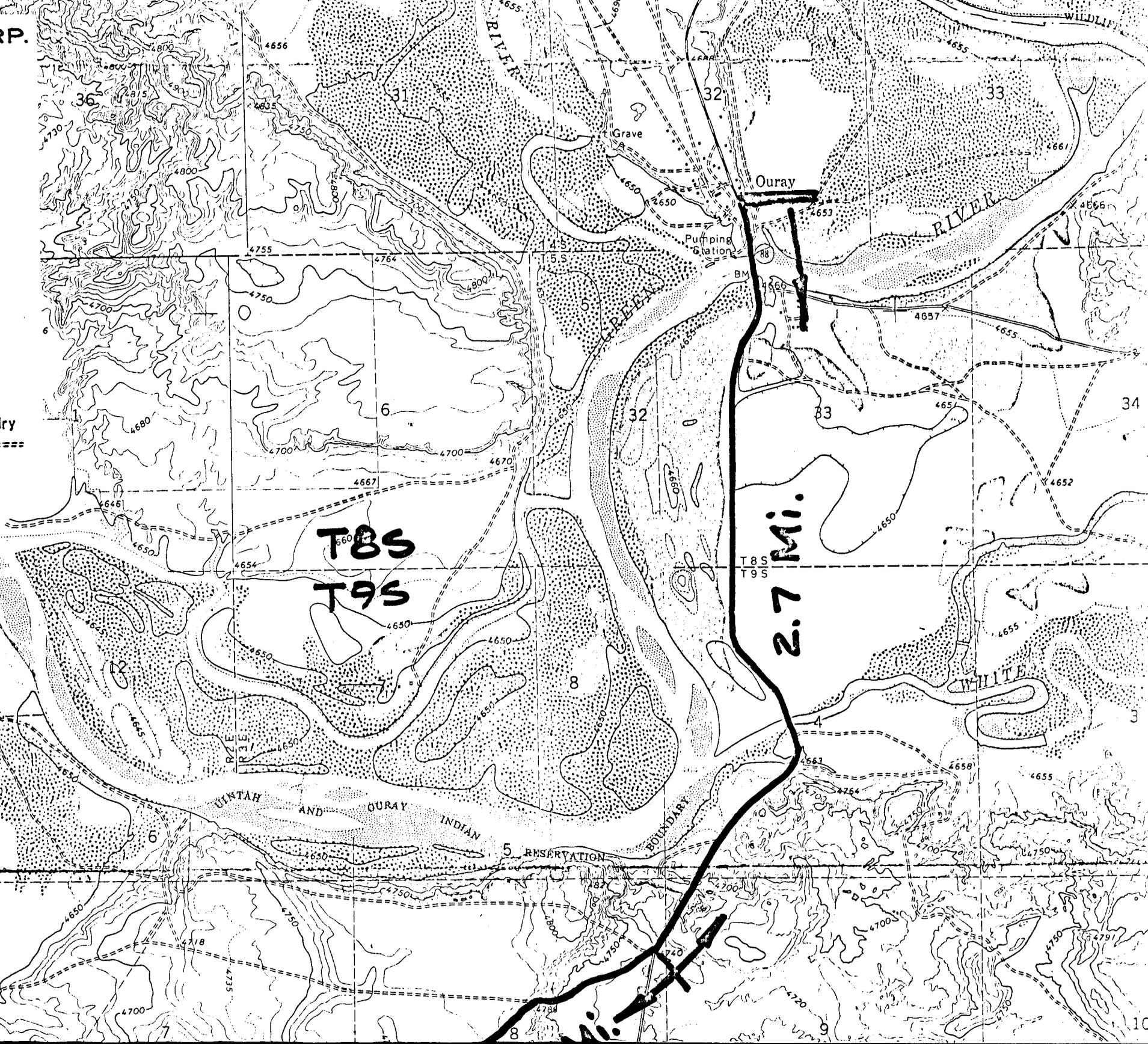
SCALE 1" = 2000'

RQAD CLASSIFICATION

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



QUADRANGLE LOCATION



2.7 Mi.

T8S
T9S

Butte Wash
Uteland Mine

Tia Juana Bottom

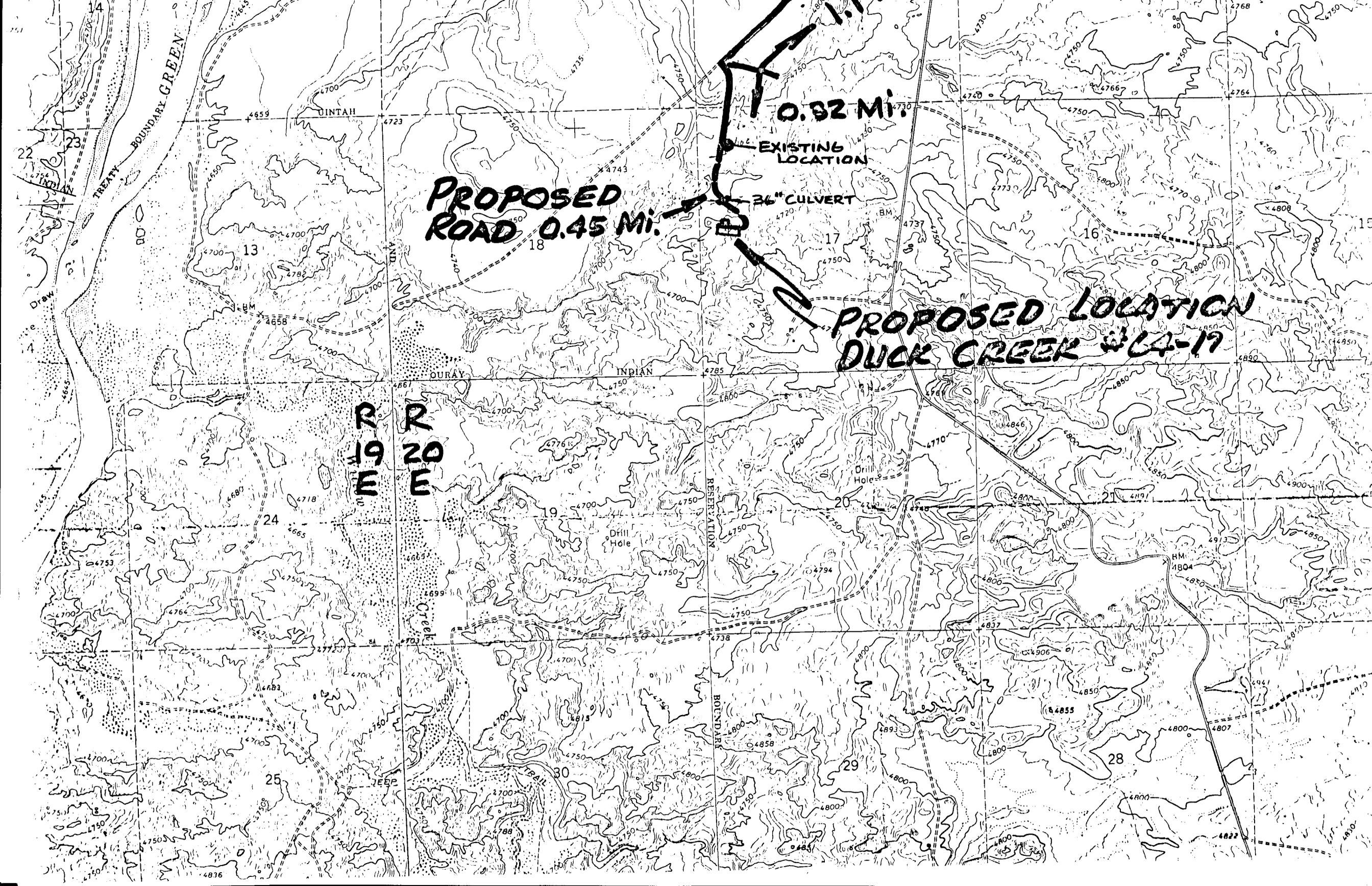
UINSTAR AND OURAY INDIAN RESERVATION

Ouray

Pumping Station

BM

Grave



0.32 Mi.

EXISTING LOCATION

PROPOSED ROAD 0.45 Mi.

26" CULVERT

PROPOSED LOCATION DUCK CREEK #14-17

19 R
20 R
E
E

BOUNDARY GREEN
INDIAN TREATY

RESERVATION BOUNDARY

DEEP

Drill Hole

Drill Hole

BM 1804

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

Belco Development Corporation

Belco

RECEIVED
OCT 6 1983

**DIVISION OF
OIL, GAS & MINING**

October 5, 1983

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

SUBJECT: Application for Permit to Drill
Duck Creek 64-17
Uintah County, Utah

Dear Sir,

Attached, in triplicate, is the completed Application for Permit to Drill the above referenced well. This well is proposed for drilling this fall. Anything that you can do to facilitate the processing of this Permit will be greatly appreciated. The archeological survey has been done and you should have the report in your office by next week. Please contact me if there are any problems.

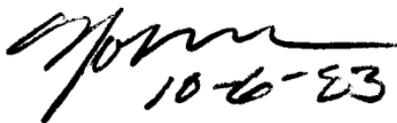
Very truly yours,

Kathy Knutson
Kathy Knutson
Engineering Clerk

/kk
attachments

cc: Division of Oil, Gas & Mining
BIA - Roland McCook (Realty Property)
Houston
Denver
Files

gary Ball said he
would advise relative
to exception location
and proximity to
Duck Creek 4-17 SIGW.


10-6-83

too close to drilling
boundary

OPERATOR RELCO DEVELOPMENT CORP DATE 10-6-83

WELL NAME DUCK CREEK 64-17

SEC SWNW17 T 9S R 20E COUNTY WIKITAH

43-047-30398
API NUMBER

FED
TYPE OF LEASE

POSTING CHECK OFF:

- INDEX
- MAP
- HL
- NID
- PI

PROCESSING COMMENTS:
stand up unit

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

DATE: 10-19-83
BY: [Signature]

✓ CHIEF PETROLEUM ENGINEER REVIEW:
10/18/83 Watch Gas well,
320 Acre spacing

APPROVAL LETTER:

- SPACING: A-3 _____ UNIT
- c-3-a 187-2 8-20-80
CAUSE NO. & DATE
- c-3-b
- c-3-c

SPECIAL LANGUAGE:

- ① SPECIAL ATTENTION IS DIRECTED TOWARDS COMPLIANCE WITH
dated 1-27-83
THE ORDER IN CAUSE # 170-5, WHICH SPECIFIES PROCEDURES
FOR DRILLING IN OIL SHALE DESIGNATED AREAS.
- ② WATER
- ③ THE DRILLING UNIT IS HEREBY DESIGNATED AS A
VERTICAL (STAND UP) UNIT UPON REQUEST BY
MR. JERRY RALL.

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

UNIT

c-3-b

c-3-c

187-2
1-27-83
190-5 - OIL SHALE

**NOTE:
OIL OVER THE MINING
OF OIL SHALE DIVISION OF
APPROVED BY THE STATE**

CHECK DISTANCE TO NEAREST WELL.

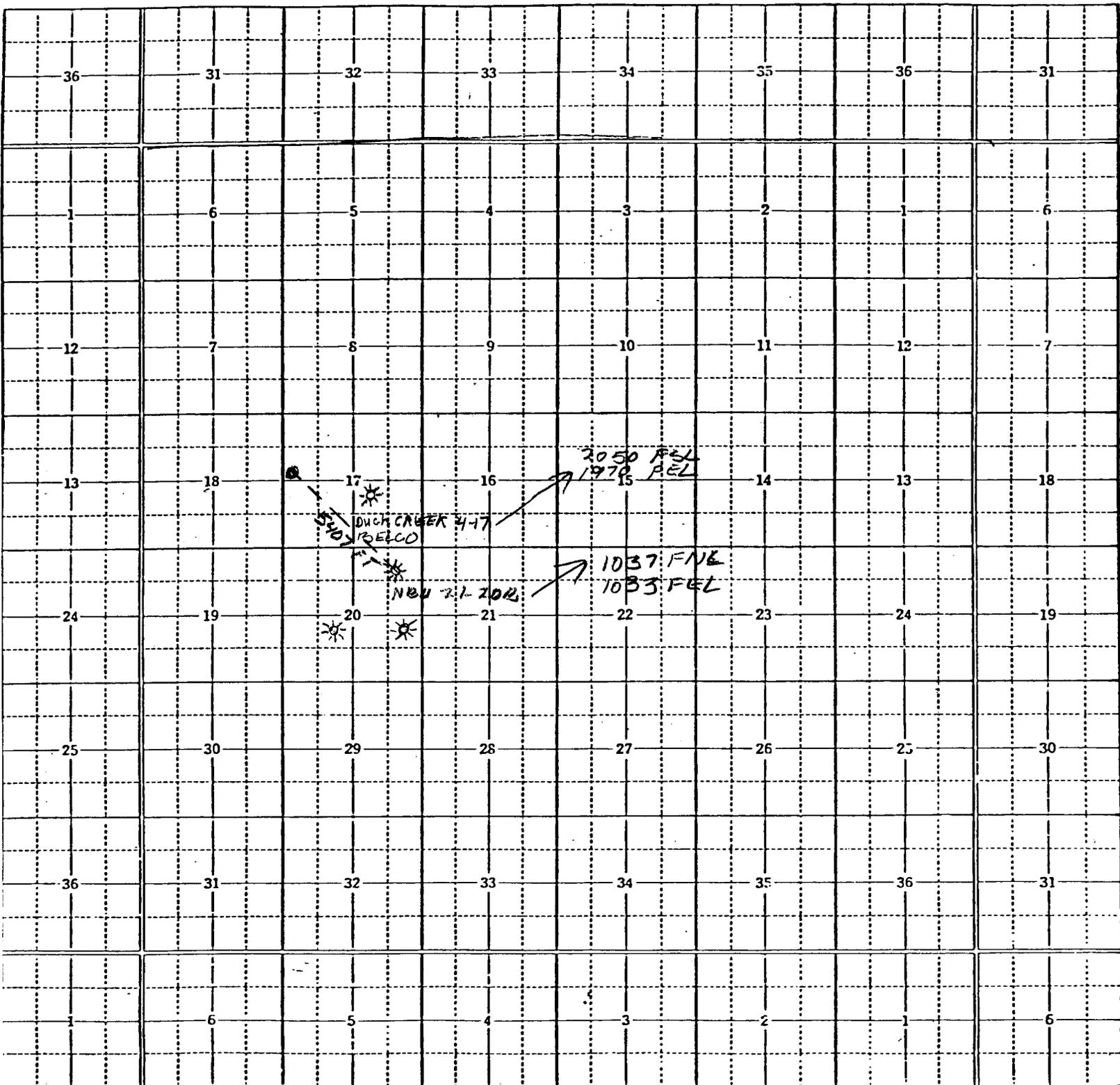
CHECK OUTSTANDING OR OVERDUE REPORTS FOR OPERATOR'S OTHER WELLS.

IF POTASH DESIGNATED AREA, SPECIAL LANGUAGE ON APPROVAL LETTER

IF IN OIL SHALE DESIGNATED AREA, SPECIAL APPROVAL LANGUAGE.

OPERATOR _____ DATE _____

TOWNSHIP _____ RANGE _____ COUNTY _____



October 18, 1983

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

RE: Well No. Duck Creek 64-17
SWNW Sec. 17, T. 9S, R. 20E
2388' FNL, 660' FWL
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. 187-2 dated August 20, 1980. (1) Special attention is directed towards compliance with the order in Cause No. 190-5 dated January 27, 1983 which specifies procedures for drilling in oil shale designated areas. (2) A copy of the Utah Division of Water Rights (Phone No. 801-533-6071) approval for use or purchase of drilling water must be submitted to this office, otherwise this approval is void. (3) The drilling unit is hereby designated as a vertical (stand-up) unit upon request by Mr. Jerry Ball.

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 43-047-31398.

Sincerely,



Norman C. Stout
Administrative Assistant

NCS/as
cc: Branch of Fluid Minerals
Encl.

Belco Development Corporation

Belco

October 13, 1983

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

Attn: Greg Darlington

SUBJECT: Duck Creek 64-17 ✓
Uintah County, Utah

Please find attached a Sundry Notice and revised plat indicating the new location for the above subject well. The new location is 660' FWL & 2388' FNL which is 130' east of the old location. This move is to put the location within spacing requirements of Special Order #187-2 ✓ for the State of Utah.

The drilling unit for this well is to be the W/2 of Section 17. ✓
The E/2 of Section 17 is for the Duck Creek 4-17.

Dr. F. R. Hauck of AERC has cleared the area to which the location has been moved since the move was toward the entrance of the access road. A report stating this will be forthcoming.

The Bureau of Indian Affairs has indicated that an onsite will not be required by them if the BLM does not require one.

Very truly yours,



J. C. Ball
District Engineer

JCB/kk
attachments

cc: BIA - Attn: Bruce Maytubby
Division of Oil, Gas & Mining - Attn: Norman Strout
Houston
Denver
Files

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: 660' FWL & 2388' FNL SW/NW
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) CHANGE LOCATION <input type="checkbox"/>	

5. LEASE
U-38400

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

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
DUCK CREEK

9. WELL NO.
64-17

10. FIELD OR WILDCAT NAME

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

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

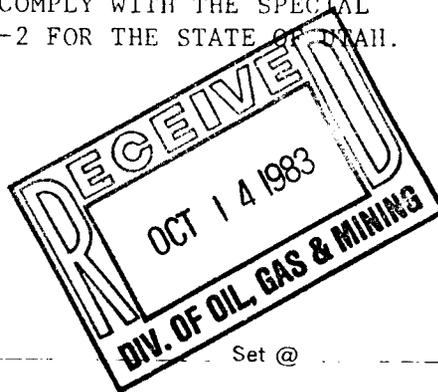
14. API NO.
APPLIED FOR

15. ELEVATIONS (SHOW DF, KDB, AND WD)
4705' NATURAL 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.)*

ATTACHED IS THE REVISED PLAT INDICATING THE NEW LOCATION FOR THE ABOVE WELL. THE LOCATION WAS MOVED 130' EAST TO COMPLY WITH THE SPECIAL SPACING REQUIREMENTS OF SPECIAL ORDER #187-2 FOR THE STATE OF UTAH.



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

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

SIGNED Kathy Krutson TITLE ENG CLERK DATE 10-13-83

(This space for Federal or State office use)

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil well gas well other

2. NAME OF OPERATOR
BELCO DEVELOPMENT CORPORATION

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

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 660' FWL & 2388' FNL SW/NW
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) CHANGE LOCATION <input type="checkbox"/>	

5. LEASE U-38400
6. IF INDIAN, ALLOTTEE OR TRIBE NAME UTE TRIBE SURFACE
7. UNIT AGREEMENT NAME
8. FARM OR LEASE NAME DUCK CREEK
9. WELL NO. 64-17
10. FIELD OR WILDCAT NAME
11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA SEC 17, T9S, R20E
12. COUNTY OR PARISH UINTAH
13. STATE UTAH
14. API NO. APPLIED FOR
15. ELEVATIONS (SHOW DF, KDB, AND WD) 4705' NATURAL 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.)*

ATTACHED IS THE REVISED PLAT INDICATING THE NEW LOCATION FOR THE ABOVE WELL. THE LOCATION WAS MOVED 130' EAST TO COMPLY WITH THE SPECIAL SPACING REQUIREMENTS OF SPECIAL ORDER #187-2 FOR THE STATE OF UTAH.

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

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

SIGNED Kathy Kautson TITLE ENG. CLERK DATE 10-13-83

APPROVED BY Don C. Alford TITLE DISTRICT MANAGER DATE 11-08-83
(This space for Federal or State office use)

CONDITIONS OF APPROVAL, IF ANY:

UT-000-3-M-137

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: 532' FWL & 2388' FNL SW/NW
At proposed prod. zone: 660'
SAME

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
4 1/2 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

18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.
19. PROPOSED DEPTH
7600'

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
4709' NATURAL UNGRADED GROUND LEVEL

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"	36.0# K-55	+200'	200 sx class "C" cement
7 7/8"	4 1/2"	11.6# K-55	+7400'	Min 900 sx 50-50 poz-mix
Sufficient to protect all shale hydrocarbon zones.				

SEE ATTACHMENTS FOR:

- 10 POINT PROGRAM
- 13 POINT SURFACE USE PLAN
- LOCATION PLAT
- LOCATION LAYOUT
- TOPO MAPS "A" AND "B"
- PRODUCTION FACILITIES SCHEMATIC
- BOP DESIGN

RECEIVED
NOV 9 1983



22. ABOVE SPACE DESCRIBE PROPOSED PROGRAM. If permit is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposed to drill or log a new well, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout prevention program, if any.

24. SIGNED: [Signature] TITLE: DISTRICT ENGINEER DATE: 10-4-83

APPROVED BY: [Signature] TITLE: DISTRICT MANAGER DATE: 11-6-83

CONDITIONS OF APPROVAL ATTACHED TO OPERATOR'S COPY

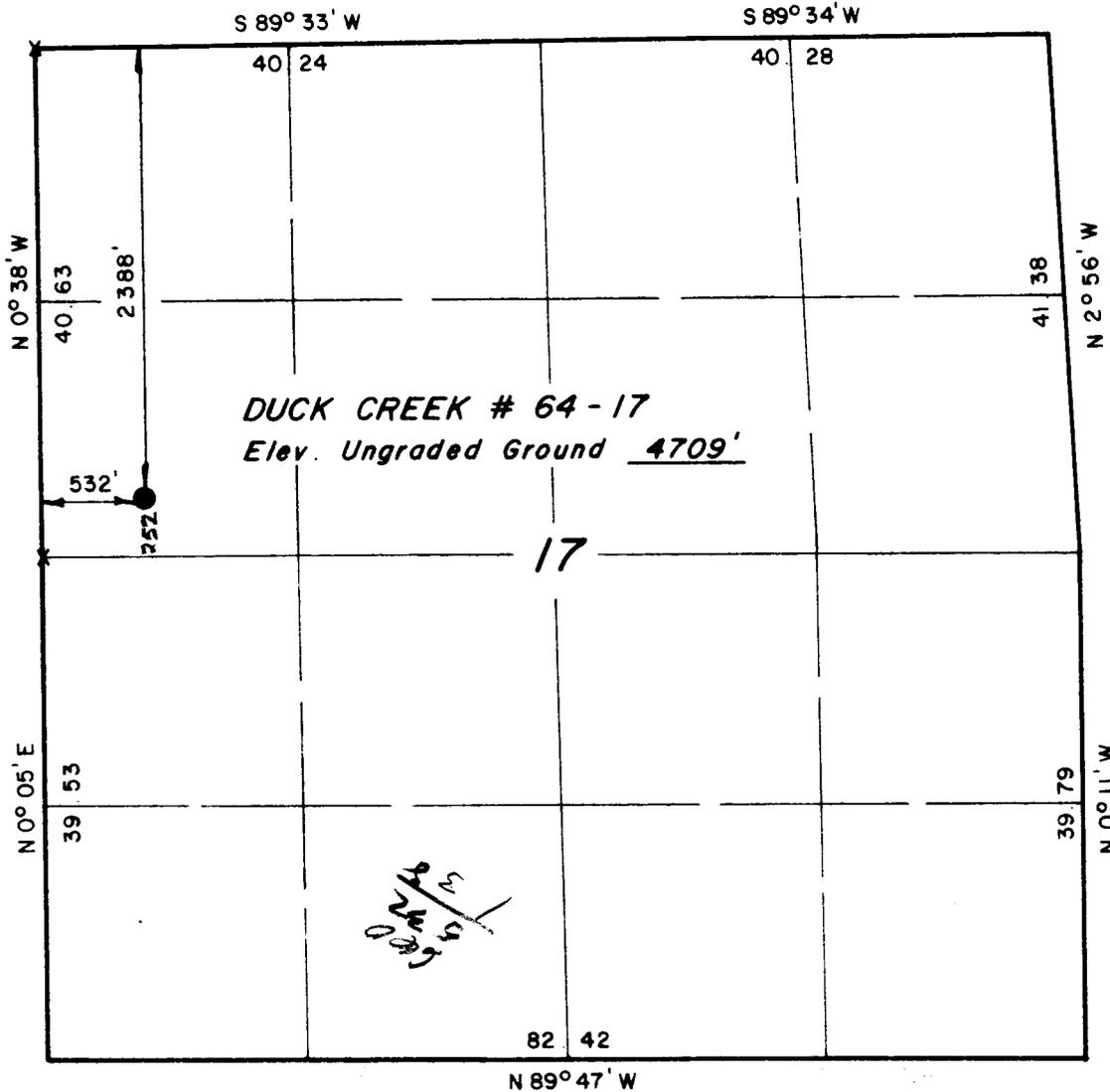
FLARING OR VENTING OF GAS IS PROHIBITED

State Oil, Gas & Mining

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

PROJECT
BELCO DEVELOPMENT CORP.

Well location, *DUCK CREEK # 64-17*,
 located as shown in the SW 1/4 NW 1/4
 Section 17, T9S, R 20E, 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 E. 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 9 / 29 / 83
PARTY DB BK BFW	REFERENCES GLO Plat
WEATHER COOL & WINDY	FILE BELCO

8-3 43 20
initially

DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

NAME OF COMPANY: BELCO DEVELOPMENT CO

WELL NAME: Duck Creek 64-17

SECTIONS SWW 17 TOWNSHIP 9S RANGE 20E COUNTY Uintah

DRILLING CONTRACTOR Wheeler

RIG # 1

SPUDDED: DATE 11-19-83

TIME 6:00 PM

How Rotary

DRILLING WILL COMMENCE _____

REPORTED BY Kathy Knudsen

TELEPHONE # 789-0790

DATE 11-21-83 SIGNED AS



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

RECEIVED

May 21, 1984

MAY 29 1984

DIVISION OF OIL
GAS & MINING

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

- Reference: 1. Completion Report
64-17 Duck Creek Well
T9S R20E Sec 17 W $\frac{1}{2}$
Uintah County, Utah
2. Sundry Notice
Shut-in - Pending Sale Of Gas

Gentlemen:

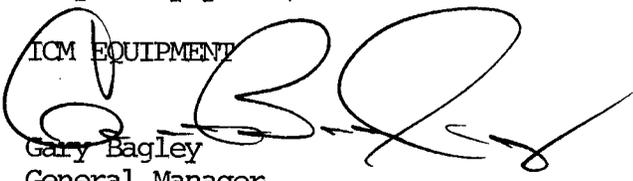
Please find enclosed two copies of the completion report along with copies of the logs for the 64-17 Duck Creek Well.

Also enclosed is a Sundry Notice showing the well is shut-in pending sale of gas.

If you have any questions, please contact me at 974-0388 or at the address on this letterhead.

Very truly yours,

ICM EQUIPMENT


Gary Bagley
General Manager

GB/lg

Enclosure

(Submit in triplicate to appropriate
Regional Oil and Gas or Mining Supervisor)

DESIGNATION OF OPERATOR

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

DISTRICT LAND OFFICE: Salt Lake City, Utah
SERIAL NO.: U-38400

and hereby designates

NAME: W. C. Investments, Ltd.
ADDRESS: 4901 West 21st South
Salt Lake City, Utah 84120

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

Township 9 South, Range 20 East
Section 17: SW $\frac{1}{4}$ NW $\frac{1}{4}$

RECEIVED
UTAH STATE OFFICE
1983 DEC -2 AM 9:25
DEPT. OF INTERIOR
BUR. OF LAND MGMT.

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

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

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

BELCO PETROLEUM CORPORATION

By: Andrew C. Morris
(Signature of lessee)

Andrew C. Morris, Attorney-in-Fact

200 Union Blvd., Suite 118
Lakewood, Colorado 80228
(Address)

November 22, 1983
(Date)

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: 660' FWL 2388' FNL
AT TOP PROD. INTERVAL: SW NW
AT TOTAL DEPTH:

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

5. LEASE U-38400

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Belco Development Corporation

9. WELL NO.
64-17

10. FIELD OR WILDCAT NAME
Duck Creek

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
T9S R20E S17 SW 1/4 NW 1/4

12. COUNTY OR PARISH Uintah 13. STATE Utah

14. API NO.

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

REQUEST FOR APPROVAL TO: SUBSEQUENT REPORT OF:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

PULL OR ALTER CASING

MULTIPLE COMPLETE

CHANGE ZONES

ABANDON*

(other)

(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.)*

- Change of Operator - From Belco Development Corporation to W. C. Investments, LTD.
See attached Designation of Operator Form (3 copies).
- Operator's Representative:
Gary Bagley
4899 West 2100 So.
Salt Lake City, Utah 84120

RECEIVED
NEAR STATE OFFICE
1983 DEC -2 AM 9:42
DEPT. OF INTERIOR
BUREAU OF LAND MGMT.

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

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

SIGNED G. K. Campbell TITLE Partner DATE Nov. 30, 1983

(This space for Federal or State office use)

APPROVED BY [Signature] TITLE DISTRICT MANAGER DATE 12/11/84
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

7
5

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

RECEIVED

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

b. TYPE OF COMPLETION: NEW WELL WORK OVER DEEPEN PLUG BACK DIFF. RESRV. Other MAY 29 1984

2. NAME OF OPERATOR
W. C. Investments, Ltd.

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

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*
At surface 660' FWL & 2388' FNL SW/NW
At top prod. interval reported below
At total depth

14. PERMIT NO. 43-047-31398 DATE ISSUED 11-8-83

DIVISION OF OIL
GAS & MINING

5. LEASE DESIGNATION AND SERIAL NO.

U-38400

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

Ute Tribe Surface

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Duck Creek

9. WELL NO.

64-17

10. FIELD AND POOL, OR WILDCAT

Natural Buttes

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

Sec 17 T9S R20E
SLB&M

12. COUNTY OR PARISH

Uintah

13. STATE

Utah

15. DATE SPUNDED Nov 19 1983 16. DATE T.D. REACHED Feb 7 1984 17. DATE COMPL. (Ready to prod.) Mar 23 1984 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* 4705' GL 19. ELEV. CASINGHEAD 4708'

20. TOTAL DEPTH, MD & TVD 7168' 21. PLUG, BACK T.D., MD & TVD Plug at 6930' 22. IF MULTIPLE COMPL., HOW MANY* Two 23. INTERVALS DRILLED BY Total Depth ROTARY TOOLS CABLE TOOLS

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*
6688 - 6697 Wasatch
6777 - 6790 Wasatch
6953 - 6961 Wasatch - Plugged

25. WAS DIRECTIONAL SURVEY MADE
No

26. TYPE ELECTRIC AND OTHER LOGS RUN
DLE, CDL, CNL, GAMMA, Caliper, CBL

27. WAS WELL CORED
No

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

CASINO SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
<u>4 1/2"</u>	<u>11.60#</u>	<u>7164 KB</u>	<u>7 7/8"</u>	<u>Two Stage - 2030 SK Cement</u>	<u>None</u>

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)
<u>N/A</u>				

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
<u>2 3/8"</u>	<u>6913</u>	

31. PERFORATION RECORD (Interval, size and number)

<u>6688 - 6697</u>	<u>2 Shots / Ft</u>
<u>6777 - 6790</u>	<u>2 Shots / Ft</u>
<u>6953 - 6961</u>	<u>4 Shots / Ft</u>

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
<u>6688 - 6790</u>	<u>570 SK 20/40 Sand</u>
	<u>70% Nitrogen Foam Frac</u>
<u>6953 - 6961</u>	<u>250 SK 20/40 Sand</u>
	<u>70% Nitrogen Foam Frac</u>

33.* PRODUCTION

DATE FIRST PRODUCTION	PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)	WELL STATUS (Producing or shut-in)					
<u>5/3/84</u>	<u>Flowing</u>	<u>Shut-in WOPL</u>					
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
<u>5/3/84</u>	<u>24</u>	<u>8/64</u>	<u>→</u>	<u>1.1 BBL</u>	<u>444</u>	<u>1.8</u>	
FLOW. TUBING PRESS.	CASINO PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)	
<u>1100</u>	<u>1300</u>	<u>→</u>	<u>1.1</u>	<u>444</u>	<u>1.8</u>		

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 [Signature] TITLE Partner DATE May 16, 1984

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

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

37. SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof; cored intervals; and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries);

38. GEOLOGIC MARKERS

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	TOP	
					MEAS. DEPTH	TRUE VERT. DEPTH
				UTAH	SURFACE	
				GREEN RIVER	1678'	
				WASATCH	5288'	

21

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: 660' FWL & 2388' FNL SW/NW
AT TOP PROD. INTERVAL:
AT TOTAL DEPTH:

5. LEASE
U-38400

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

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Duck Creek

9. WELL NO.
64-17

10. FIELD OR WILDCAT NAME

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

12. COUNTY OR PARISH
Uintah

13. STATE
Utah

14. API NO.

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

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

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

RECEIVED

MAY 29 1984

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

**DIVISION OF OIL
GAS & MINING**

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.)*

Shut-in pending sale of gas 5/23/84

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

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

SIGNED Lyle R. Campbell TITLE Partner DATE 5/23/84

(This space for Federal or State office use)

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



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

May 24, 1984

Belco Development Corporation
P O Box X
Vernal, Utah 84078

RE: Well No. Duck Creek 64-17
API #43-047-31398
Sec. 17, T. 9S, . 20E SW/NW
Uintah County, Utah
December 1983 to Present

Gentlemen:

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

Rule C-22, General Rules and Regulations and Rules of Practice and Procedure, requires that said reports be filed on or before the sixteenth (16) day of the succeeding month every month until the well is completed. This report may be filed on Form OGC-1b, "Sundry Notices and Reports on Wells." We are enclosing forms for your convenience.

We will be happy to acknowledge receipt of 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 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

CLJ/cj

Enclosure

cc: Dianne R. Nielson, DOGM
Ronald J. Firth, DOGM

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

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. U-38400
b. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input checked="" type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME Ute Tribe Surface
2. NAME OF OPERATOR W. C. Investments, Ltd.		7. UNIT AGREEMENT NAME
3. ADDRESS OF OPERATOR 4901 West 2100 So., Salt Lake City, Utah 84120		8. FARM OR LEASE NAME Duck Creek
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)* At surface 660' FWL & 2388' FNL SW/NW At proposed prod. zone Same		9. WELL NO. 64-17
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 4 1/2 Miles South of Ouray, Utah		10. FIELD AND POOL, OR WILDCAT
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	11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA SEC 17, T9S, R20E
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.	19. PROPOSED DEPTH 7600'	12. COUNTY OR PARISH 13. STATE Uintah Utah
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 4709' Natural Ungraded Ground Level	17. NO. OF ACRES ASSIGNED TO THIS WELL	20. ROTARY OR CABLE TOOLS Rotary
		22. APPROX. DATE WORK WILL START* November 1, 1983

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"	36.0# K-55	+200'	200 sx class "C" cement
7 7/8"	4 1/2"	11.6# K-55	±7400'	Min 900 sx 50-50 poz-mix
Sufficient to protect oil shale, hydrocarbon and fresh water zones				

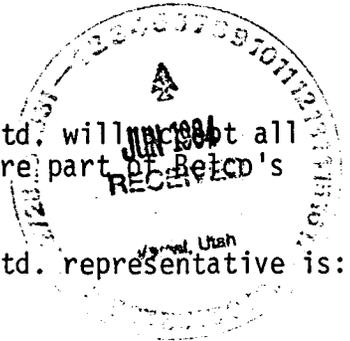
See Attachments For:

- 10 Point Program
- 13 Point Surface Use Plan
- Location Plat
- Location Layout
- Topo Maps "A" and "B"
- Production Facilities Schematic
- BOP Design

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

W. C. Investments, Ltd. representative is:

Gary Bagley
4899 West 2100 South
Salt Lake City, Utah 84120
801-974-0388 - Office
801-943-2274 - 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 Lyle K. Campbell TITLE Partner DATE June 1, 1984

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____
APPROVED BY [Signature] TITLE **DISTRICT MANAGER** DATE 6/1/84
CONDITIONS OF APPROVAL, IF ANY:

State Oil, Gas & Mining
Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.
UT-080-3-M-137

*See Instructions On Reverse Side

RECEIVED

JUN 5 1984

DIVISION OF OIL
GAS & MINING



June 4, 1984

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

Attn: Claudia Jones

SUBJECT: Duck Creek 64-17
Uintah County, Utah

Attached is a copy of the Designation of Operator for the above subject well. This DO was submitted by W. C. Investments to the BLM in November of 1983, sorry if they neglected to send you your copy.

Very truly yours,

A handwritten signature in black ink that reads 'Kathy Knutson'. The signature is written in a cursive, flowing style.

Kathy Knutson
Engineering Clerk

/kk
attachment

cc: File



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

September 17, 1984

W. C. Investments, Limitedj
4901 West 2100 South
Salt Lake City, Utah 84120

Gentlemen:

Re: Well No. Duck Creek 64-17 - Sec. 17, T. 9S., R. 20E.
Uintah County, Utah - API #43-047-31398

According to our records, a "Well Completion Report" filed with this office May 16, 1984, on the above referred to well, indicates the following electric logs were run: DLL, CDL, CNL, GAMMA, Caliper and CBL. As of today's date, this office has not received the CBL.

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

Your prompt attention to the above will be greatly appreciated.

Sincerely,

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

Claudia L. Jones
Well Records Specialist

clj
cc: D. R. Nielson
R. J. Firth
J. R. Baza
File
00000001-22

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE

(See other instructions on reverse side)

Form approved.
Budget Bureau No. 1004-013
Expires August 31, 1985

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 Perf.

2. NAME OF OPERATOR
W.C. Investments, Ltd.

3. ADDRESS OF OPERATOR
4899 West 2100 South, Salt Lake City, Utah 84120

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*
At surface 660' FWL & 2388' FNL (SW $\frac{1}{4}$ NW $\frac{1}{4}$)
At top prod. interval reported below same
At total depth same

14. PERMIT NO. 43-047-31398 | DATE ISSUED 11-8-83

15. DATE SPUDDED 11-19-83 | 16. DATE T.D. REACHED 2-7-84 | 17. DATE COMPL. (Ready to prod.) 3-23-84 & 8-10-84 | 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* 4705' GL | 19. ELEV. CASINGHEAD 4708'

20. TOTAL DEPTH, MD & TVD 7168' | 21. PLUG, BACK T.D., MD & TVD 6930' | 22. IF MULTIPLE COMPL., HOW MANY* | 23. INTERVALS DRILLED BY → TD | ROTARY TOOLS | CABLE TOOLS

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*
6110'-6128' *Wasatch*

26. TYPE ELECTRIC AND OTHER LOGS RUN
DLI, CDL, CNL, GR, CBL Caliper *Sample*

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

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
9 3/8"	36.0 #	1128'	12 1/4"	to surface	
4 1/2"	11.6 #	7146'	7 7/8"	2030 sx	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
2 3/8"	6913	

31. PERFORATION RECORD (Interval, size and number)

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
6110'-6128'	872,500 scf 70% N2, 605 sx 20/40 sand

33. PRODUCTION
DATE FIRST PRODUCTION _____ PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) _____ WELL STATUS (Producing or shut-in) Shut-in WOPL
Test results reported on original completion report dated 5/16/84

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) _____ TEST WITNESSED BY _____
35. LIST OF ATTACHMENTS _____
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED *Gray Tringley* TITLE *Manager* DATE *10/2/84*

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



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

95 JOE sec. 17

September 26, 1984

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

RECEIVED

OCT 17 1984

DIVISION OF OIL
GAS & MINING

RECEIVED

OCT 2 1984

DIVISION OF OIL
GAS & MINING

Attn: Claudia Jones

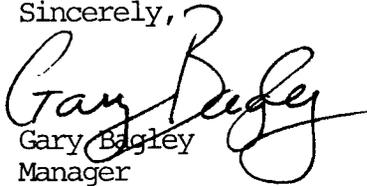
Re: W.C. Investments, Ltd.
Duck Creek 64-17
Section 17, T9S R20E
Uintah County, Utah

Gentlemen:

Pursuant to your letter dated September 17, 1984 enclosed please find a copy of the CBL for the referenced well.

Should you need any further information please do not hesitate to contact me.

Sincerely,


Gary Bagley
Manager

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPlicate*
(Other instructions on re-verse side)

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

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

1. OIL WELL GAS WELL OTHER

2. NAME OF OPERATOR
W.C. Investments, Ltd.

3. ADDRESS OF OPERATOR
4899 West 2100 South; Salt Lake City, Utah 84120

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*
See also space 17 below.)
At surface

660' FWL & 2388' FNL

14. PERMIT NO.
API 4304731398

15. ELEVATIONS (Show whether DF, RT, GR, etc.)
4705' GL

5. LEASE DESIGNATION AND SERIAL NO.
U-38400

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

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Duck Creek

9. WELL NO.
64-17 Federal

10. FIELD AND POOL, OR WILDCAT

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec. 17-T9SR20E

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) <u>Initial Production</u>	

(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 64-17 was initially produced on March 5, 1985 by a pipeline test performed by Northwest Pipeline Corporation.

RECEIVED

MAR 18 1985

**DIVISION OF OIL
GAS & MINING**

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

SIGNED [Signature] TITLE Manager DATE 3-15-85

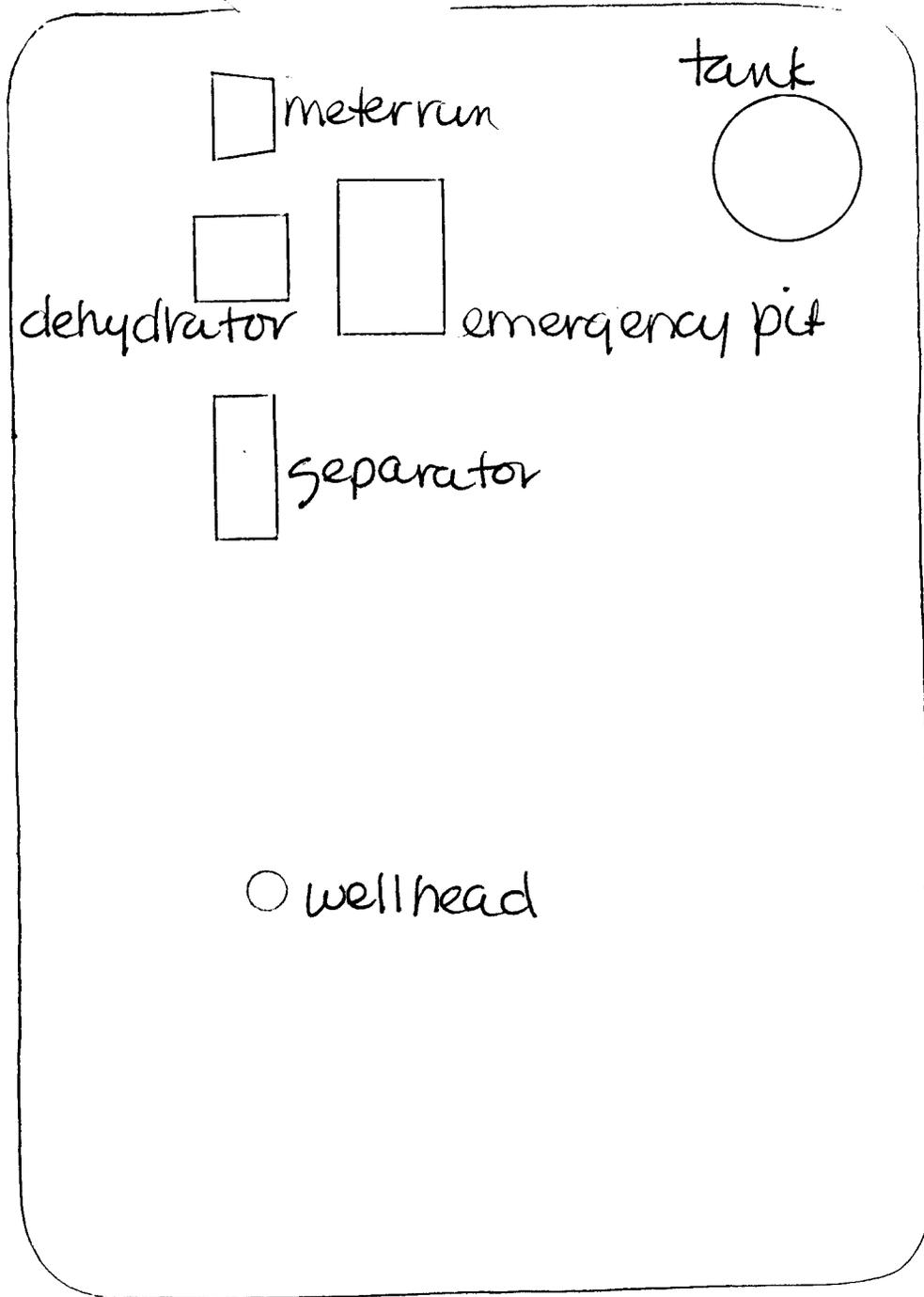
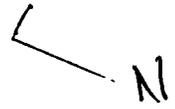
(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

Duck Creek 64-17 Sec 17, T9S, R20E Budy 1/3/89



UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

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

1. Type of Well Oil <input type="checkbox"/> WELL Gas <input checked="" type="checkbox"/> Well Other <input type="checkbox"/>	5. Lease Designation and Serial No. U-38400
2. Name of Operator EOG Resources, Inc.	6. If Indian, Allottee or Tribe Name Ute Tribal Surface
3. Address and Telephone No. P.O. BOX 250, BIG PINEY, WY 83113 (307) 276-3331	7. If Unit or C.A., Agreement Designation
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) 660' FWL, 2388' FNL, SW/4NW/4 of Sec. 17-9S-20E, SLM	8. Well Name and No. Duck Creek 64-17
	9. API Well No. 43-047-31398
	10. Field and Pool or Exploratory Area Natural Buttes
	11. County State Uintah, Utah

12. CHECK APPROPRIATE BOX(S) 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"/> SUBSEQUENT REPORT	<input type="checkbox"/> RECOMPLETION
<input type="checkbox"/> FINAL ABANDONMENT NOTICE	<input type="checkbox"/> PLUGGING BACK
	<input type="checkbox"/> CASING REPAIR
	<input type="checkbox"/> ALTERING CASING
	<input checked="" type="checkbox"/> OTHER <u>Change of Operator</u>
	<input type="checkbox"/> CHANGE OF PLANS
	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> NON-ROUTINE FRACTURING
	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> CONVERSION TO INJECTION

(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 64-17 well; SW/4NW/4 of Section 17, Township 9 South, Range 20 East, SLM, Uintah County, Utah, Lease U-38400, 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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AUG 25 2000
DIVISION OF
OIL, GAS AND MINES

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

SIGNED Ann D. Wheeler TITLE General Partner 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 64-17
SWNW, Sec. 17, T9S, R20E
Lease U-38400
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.
Division of Oil, Gas & Mining

RECEIVED

SEP 14 2000

DIVISION OF
OIL, GAS AND MINERALS

OPERATOR CHANGE WORKSHEET

ROUTING

1. GLH		4-KAS ✓
2. CDW ✓		5-SP ✓
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

change for all wells listed involved in a C₂₁ on: N/A

9. **Underground Injection Control ("UIC") Pro**; The Division has approved UIC Form 5, **Transfer of Authority to Inject**, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: N/A

DATA ENTRY:

- 1. Changes entered in the **Oil and Gas Database** on: 09/21/2000
- 2. Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 09/21/2000
- 3. Bond information entered in RBDMS on: N/A
- 4. Fee wells attached to bond in RBDMS on: N/A

STATE BOND VERIFICATION:

- 1. State well(s) covered by Bond No.: N/A

FEE WELLS - BOND VERIFICATION/LEASE INTEREST OWNER NOTIFICATION:

- 1. (R649-3-1) The **NEW** operator of any fee well(s) listed has furnished a bond: N/A
- 2. The **FORMER** operator has requested a release of liability from their bond on: N/A
The Division sent response by letter on: N/A
- 3. (R649-2-10) The **FORMER** operator of the Fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: _____

FILMING:

- 1. All attachments to this form have been **MICROFILMED** on: 2.26.01

FILING:

- 1. **ORIGINALS/COPIES** of all attachments pertaining to each individual well have been filed in each well file on: _____

COMMENTS:
