

UTAH DIVISION OF OIL, GAS AND MINING

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

LOCATION ABANDONED well never drilled as by 12-31-81

DATE FILED 1-20-81

LAND: FEE & PATENTED STATE LEASE NO. PUBLIC LEASE NO. U-0581 INDIAN

DRILLING APPROVED: ~~1-30-81~~ 2-2-81

SPUDED IN:

COMPLETED: PUT TO PRODUCING:

INITIAL PRODUCTION:

GRAVITY A.P.I.

GOR:

PRODUCING ZONES:

TOTAL DEPTH:

WELL ELEVATION:

DATE ABANDONED: 12-31-81 LOCATION ABANDONED

FIELD: Natural Buttes 3/86

UNIT:

COUNTY: Uintah

WELL NO. Cottonwood Buttes #3-30GR

API NO: 43-047-30873

LOCATION 1022' FT. FROM (X) (S) LINE. 720' FT. FROM (E) (X) LINE. SE $\frac{1}{4}$ SE $\frac{1}{4}$ $\frac{1}{4}$ - $\frac{1}{4}$ SEC. 30

TWP.	RGE.	SEC.	OPERATOR	TWP.	RGE.	SEC.	OPERATOR
9S	21E	30	BELCO DEVELOPMENT CORP.				

16

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

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 1022' FSL & 720' FEL SE 1/4 SE 1/4 DIVISION OF OIL, GAS & MINING
 At proposed prod. zone SAME

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
 APPROX. 12 MILES SE OF OURAY, UTAH

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 720'

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.)
 4916' Natural G.L.

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#	200'	CEMENT TO SURF W/200 SX SUFFICIENT CEMENT TO COVER 200' ABOVE UPPERMOST HYDRO-CARBON ZONE TO PROTECT OIL SHALE.
9 5/8"	5 1/2"	17.0#	4938'	

SEE ATTACHMENTS FOR:

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

APPROVED BY THE DIVISION OF OIL, GAS AND MINING
 DATE: 1-30-81
 BY: M.S. Minder

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. SIGNED J.C. Ball TITLE DISTRICT ENGINEER DATE 1-20-81

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

5. LEASE DESIGNATION AND SERIAL NO. U-0581

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME COTTONWOOD BUTTES

9. WELL NO. #3-30GR

10. FIELD AND POOL OR WILDCAT Natural Buttes
CB Green River

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA SEC. 30, T9S, R21E

12. COUNTY OR PARISH TUINTAH

13. STATE UTAH

RECEIVED

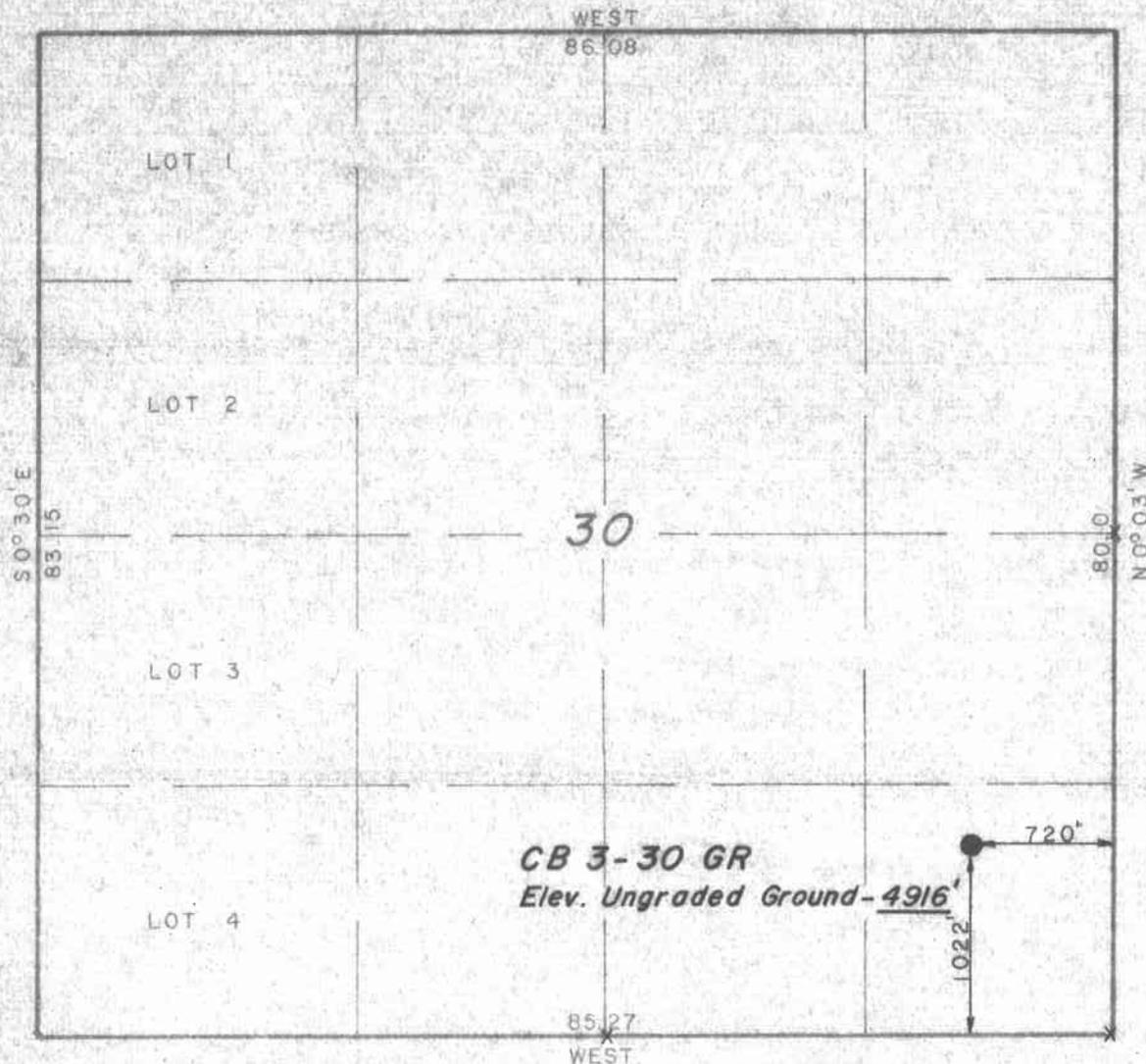
JAN 22 1981

T 9 S, R 21 E, S. L. B. & M.

PROJECT

BELCO DEVELOPMENT CORP.

Well location, *CB3-30 GR* located
as shown in the SE 1/4 SE 1/4 Section 30,
T9S, R21E, SLB&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.

Richard J. ...
REGISTERED LAND SURVEYOR
REGISTRATION NO 2454
STATE OF UTAH

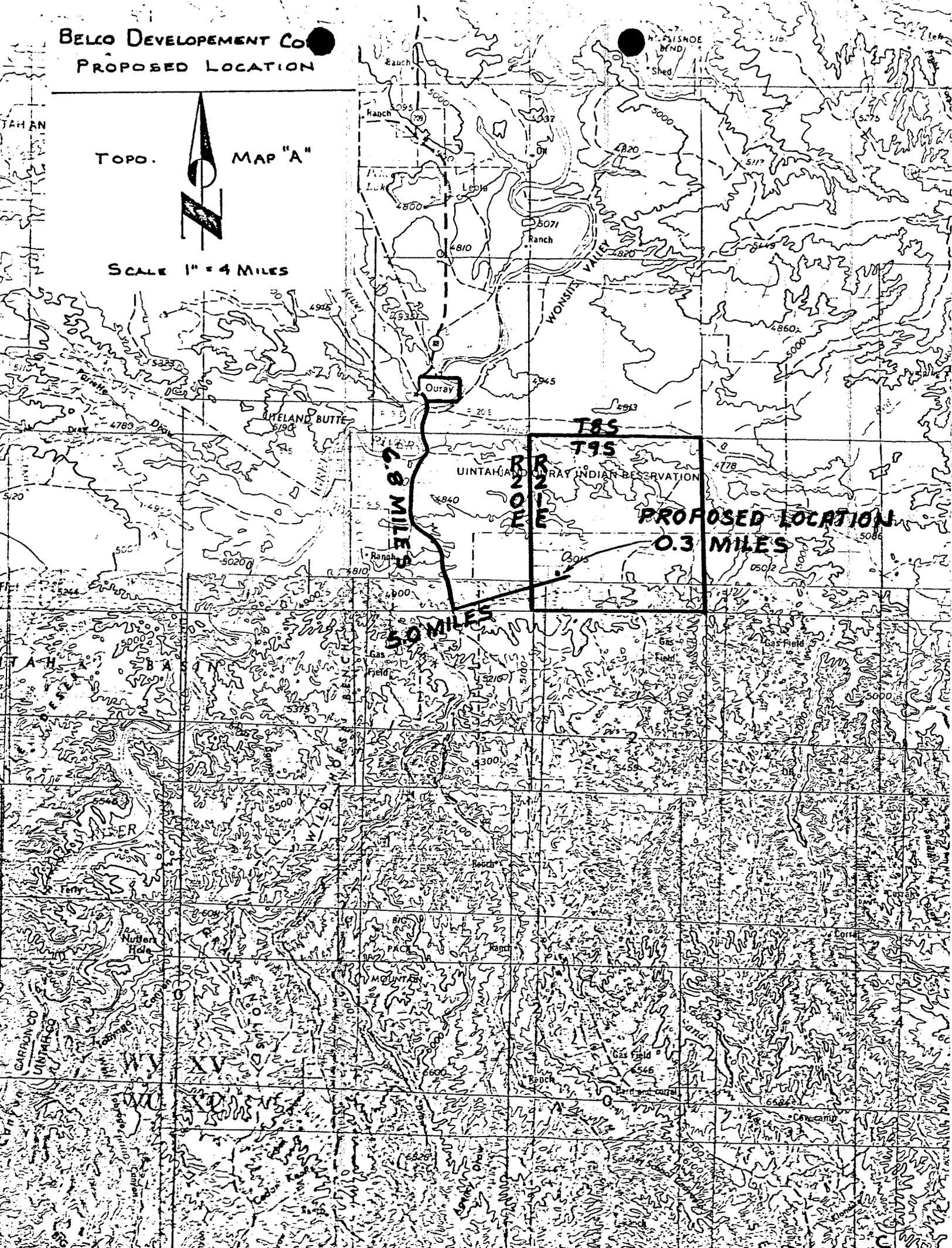
UINTAH ENGINEERING & LAND SURVEYING
P. O. BOX Q - 85 SOUTH - 200 EAST
VERNAL, UTAH - 84078

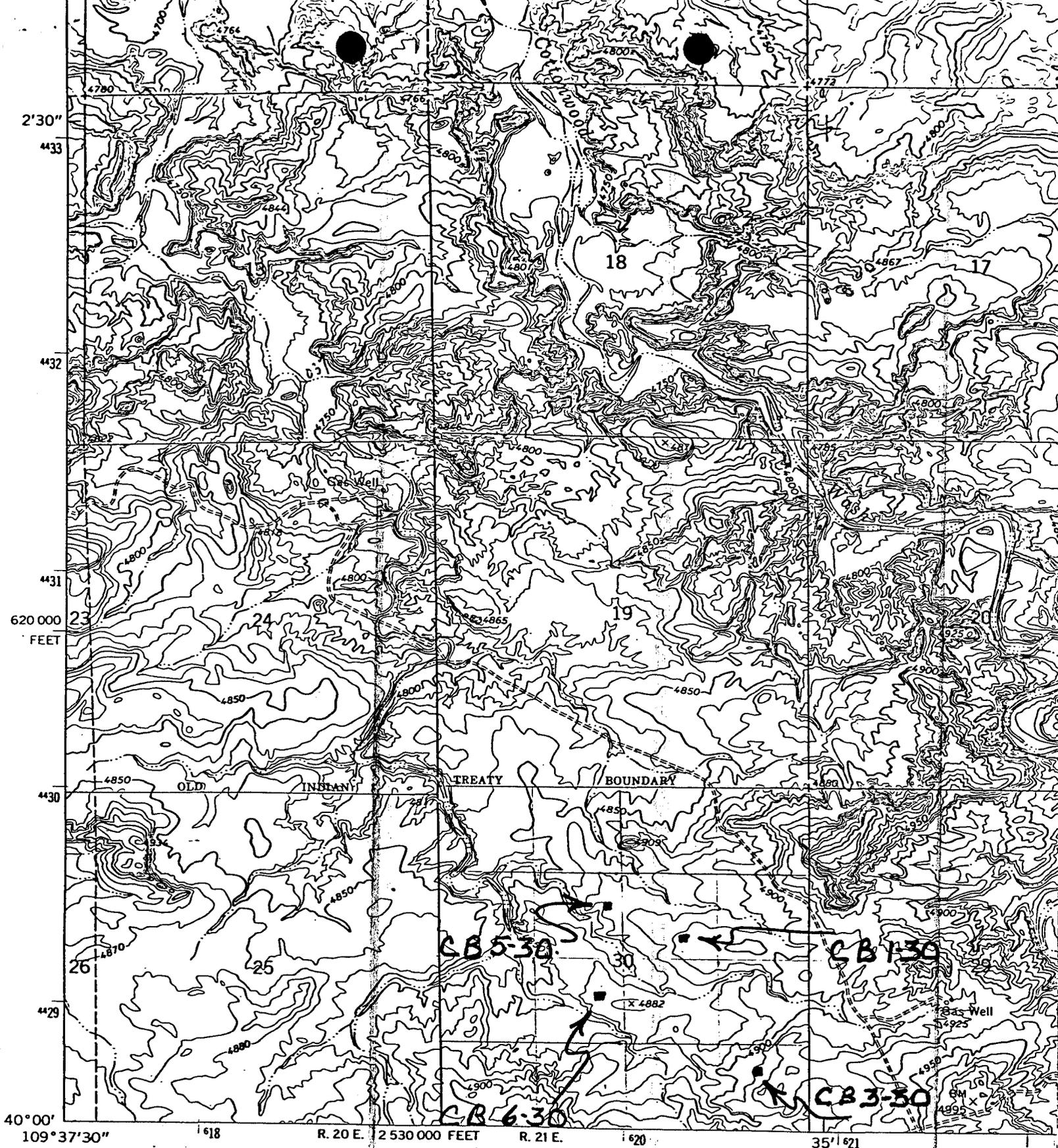
SCALE	1" = 1000'	DATE	1/12/81
PARTY	D A D.K RDR	REFERENCES	GLO Plat
WEATHER	Cool / Clear	FILE	BELCO DEVELOPMENT CORP.

BELLO DEVELOPEMENT Co
PROPOSED LOCATION



SCALE 1" = 4 MILES



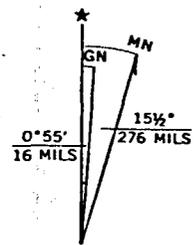


Mapped, edited, and published by the Geological Survey
in cooperation with the Bureau of Reclamation

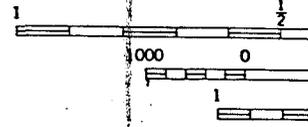
Control by USGS and USC&GS

Topography by photogrammetric methods from aerial
photographs taken 1963. Field checked 1964

Polyconic projection. 1927 North American datum
10,000-foot grid based on Utah coordinate system, central zone
1000-meter Universal Transverse Mercator grid ticks,
zone 12, shown in blue



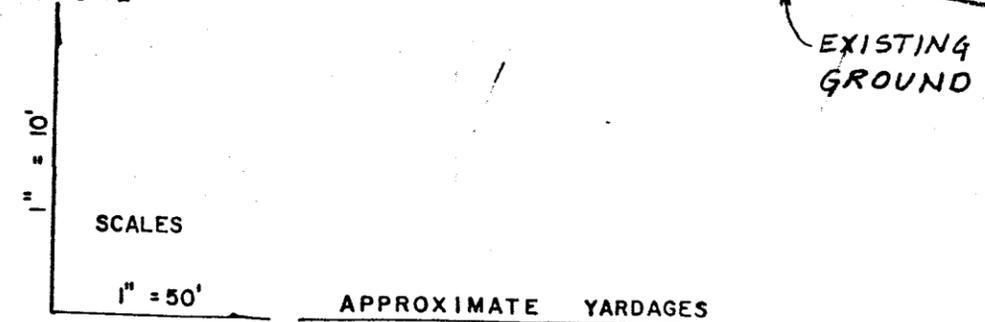
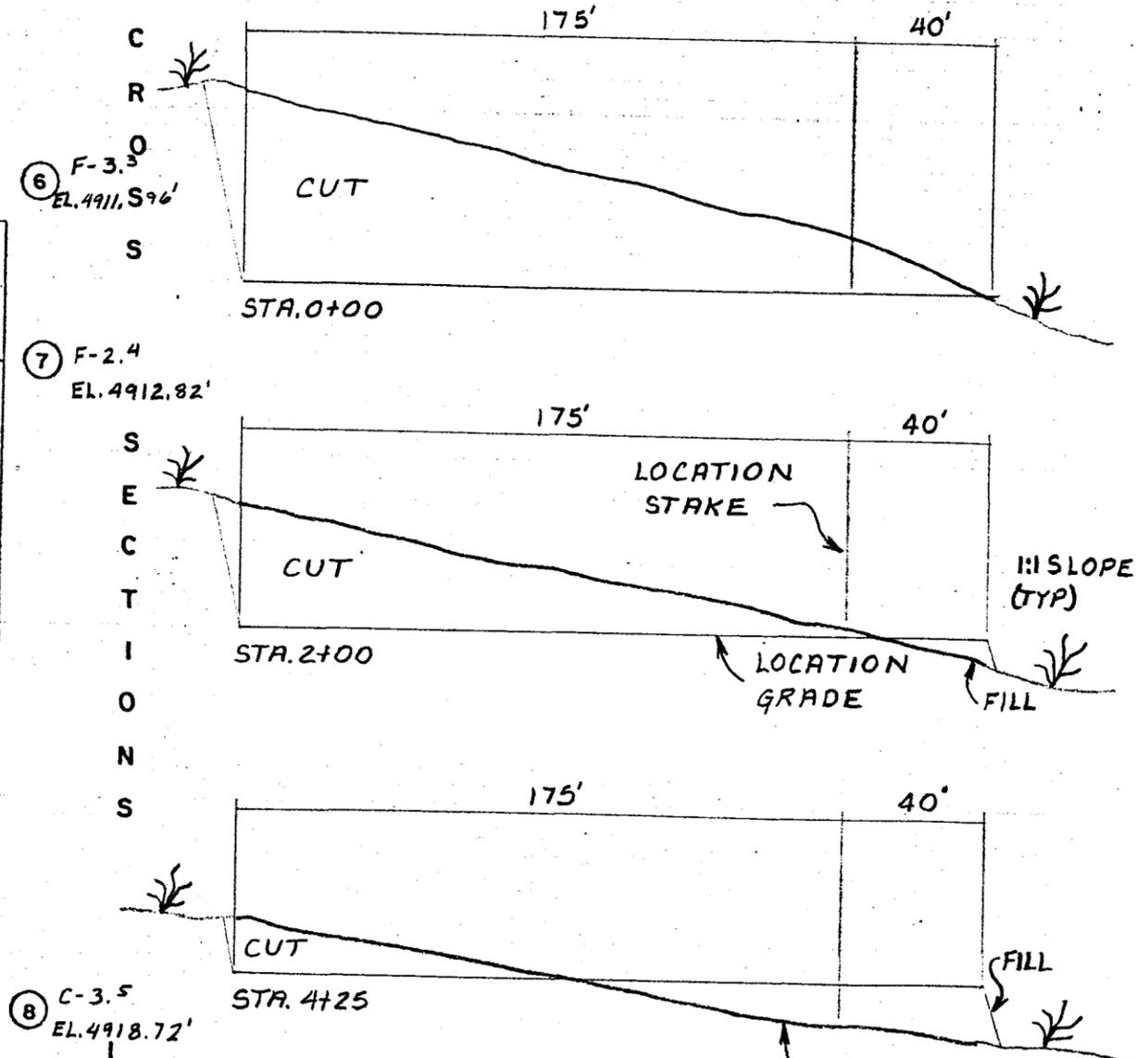
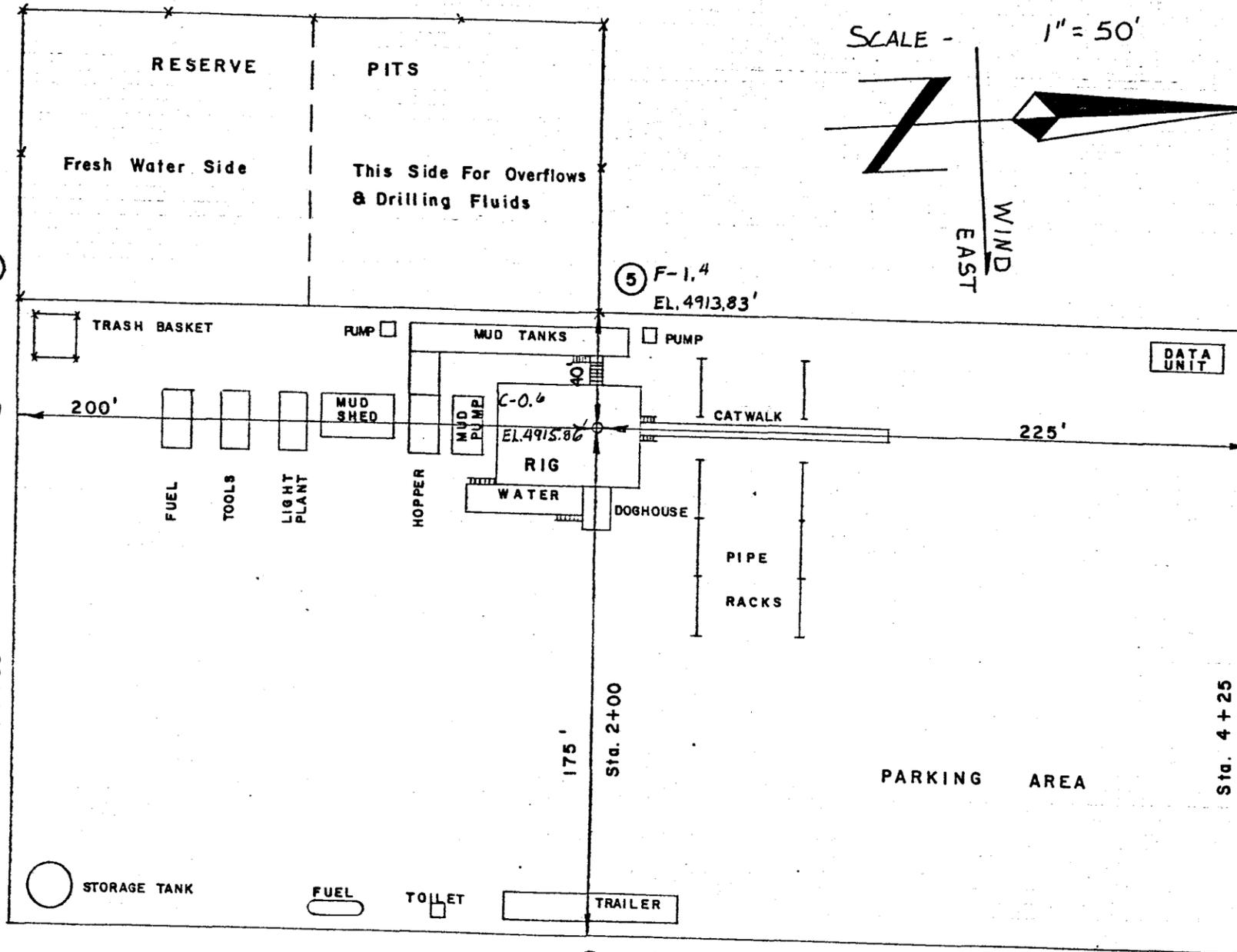
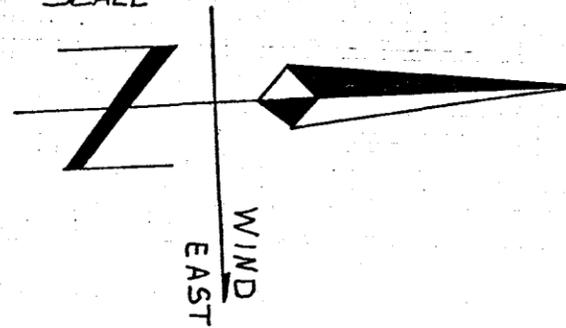
UTM GRID AND 1964 MAGNETIC NORTH
DECLINATION AT CENTER OF SHEET



BELCO DEVELOPMENT CORP.

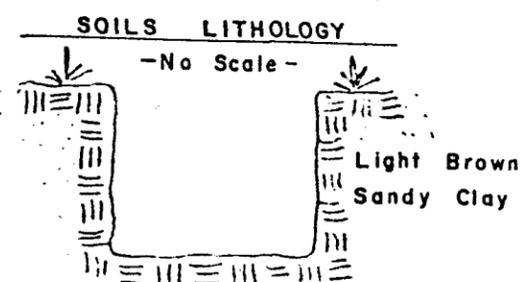
CB 3-30 GR

SCALE - 1" = 50'



Cubic Yards Cut - 11,418

Cubic Yards Fill - 1009



10 POINT PROGRAM

1. GEOLOGIC SURFACE FORMATION:

Uinta formation of the Upper Eocene Age

2. ESTIMATED TOPS OF GEOLOGIC MARKERS:

Uinta	Surface
Green River	1412'

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

Uinta	Sand and shale, possible gas shows
Green River	Oil shale zone, anticipate oil

4. PROPOSED CASING PROGRAM:

9 5/8", 36.0#, K-55 set @ 200', cement to surface w/200 sx "G" cement
5 1/2", 17.0#, K-55 set @ 4938' cement w/sufficient 50-50 Pozmix to cover 200' above uppermost hydrocarbon zone.

5. MINIMUM SPECIFICATION FOR PRESSURE CONTROL:

The operators minimum specifications for pressure control equipment are as follows: 10", 3000 PSI hydraulic doublegate BOP, or hydril type 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 4100' with 3% KCL H₂O as necessary in order to clean the hole. From 4100' 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 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, The logging will consist of DLL, CNL, FDC and Gamma Ray with caliper.

9. ANTICIPATED ABNORMAL PRESSURE OR TEMPERATURE:

It is not anticipated that abnormal pressures or temperatures will be encountered, nor that any other abnormal hazards such as H₂S gas will be encountered.

10. ANTICIPATED STARTING DATE AND DURATION OF THE OPERATIONS:

Anticipated starting date is April 7, 1981.
Drilling operations should be complete two and 1/2 weeks after they commence.

13 POINT SURFACE USE PLAN

1. EXISTING ROADS:

- A. For the location of the proposed well and the existing roads, see the attached Topo maps "A" & "B". The proposed well is located approximately twelve miles SE of Ouray, Utah.
- B. To reach the location drive west on Hiway 40 from Vernal, Ut. to the Ouray turnoff,, turn South on Hiway 209 to Ouray, and seven miles further south, turn left (East) on the pipeline road to the access road for this location. See Topo maps.
- C. The proposed route is outlined on Topo map "B".
- D. See Topo map "B".
- E. Not applicable.
- F. Access to the well site will be over existing county roads, and Belco's planned access road.

2. PLANNED ACCESS ROAD:

See attached Topo map "B".

The planned access road will be 1584' in length and will comply with the general specifications as outlined.

- A. The proposed access road will be a 32' crown road, usable 16' on either side of the centerline, with drain ditches along either side of the proposed road where it is determined necessary in order to handle any runoff from any normal weather conditions that are prevalent to this area.
- B. Maximum grade of the proposed access road will be 3%.
- C. No turnouts are planned for the length of the proposed access road. Line of sight vision is such that turnouts are unnecessary.
- D. Drainage design of the proposed access road will avoid unnecessary disturbance of natural runoff patterns. Drainage will be implemented so as not to cause siltation or accumulation of debris.
- E. Surfacing material shall be the native borrow material from the cut areas and will be used to stabilize the road surface and location. No other material for construction is anticipated.
- F. No fences will be crossed in order to access the proposed location; no cattle guard will be needed.
- G. The road has been center line flagged for the full distance of the proposed route.

3. LOCATION OF EXISTING WELLS:

- A. Water wells-none
- B. Abandoned wells-none
- C. Temporarily abandoned wells-none
- D. Disposal Wells-none
- E. Drilling wells-none
- F. Producing wells- NBU 36-Y (CIGE 68-30-9-21) & NBU 14-30 are in sec. 30.
- G. Shut in wells-none
- H. Injection wells-none
- I. Monitoring wells-none

4. LOCATION OF EXISTING AND PROPOSED FACILITIES:

- A. There are no existing production facilities owned or controlled by Belco Development Corporation within one mile of this proposed location.

There are no tank batteries, oil gathering lines, inj lines, nor disposal lines in the immediate vicinity. Gas gathering lines are located in Sec. 30 and most of the surrounding sections.

- B. The attached Diagram "A" shows the proposed production facilities that will be utilized in the event this well produces oil. All production facilities will be kept on the pad.

Construction materials will be native borrow or cut exposed on the site, and will be consistent with accepted oil field standards and good engineering practices.

A three strand barbed wire fence will be constructed and maintained in good order around any disposal pits during the drilling and completion phase of this well. When these pits are no longer needed or within 90 days, they will be covered over with native borrow material and rehabilitated to conform with the agreement made with the private surface owners.

Guard rails will be constructed around the wellhead to prevent access to livestock or wildlife.

Rehabilitation of the pits is discussed above. The remaining pad not used for producing operations will be recontoured to conform with the natural grade and covered with topsoil saved on the site. Area will be rehabilitated as per agreement with private surface owners.

5. LOCATION AND TYPE OF WATER SUPPLY:

- A. Water to be used to drill this well will be hauled by truck from Coastal Oil & Gas's Uintah #1 pond.
- B. Water will be hauled by truck, (liquid transport of Duchesne, Utah, PSC #1969) on the above described access route. No new roads or pipelines will be needed for this purpose.
- C. No water well will be drilled.

6. SOURCE OF CONSTRUCTION MATERIALS:

- A. All construction materials for this location site and access road shall be native borrow rock and soil accumulated during the construction. No additional road gravel or pit lining materials are anticipated at this time.
- B. Items described in part "A" are from BLM controlled land.
- C. See part "A".
- D. No other access roads are required other than described in Item 2.

7. METHODS OF HANDLING WASTE DISPOSAL:

- A. Drill cuttings, drilling fluids, salts, chemicals and produced fluids will be disposed of in the reserve pit on the location pad.
- B. See "A" above for disposal of drilling fluids.
- C. See "A" above for disposal of produced water.
- D. A portable toilet will be provided for human waste during the drilling phase.
- E. Garbage and other waste materials will be contained in a wire mesh cage and then disposed of in an approved waste disposal facility.
- F. Immediately after the drilling rig moves off the location, the remaining trash and garbage will be collected, and hauled away by truck. The reserve pit will be fenced on the open side to protect domestic animals and wildlife. This pit will be utilized during the completion and testing phase of the well for storage of produced fluids.

8. ANCILLARY FACILITIES:

There are no ancillary facilities planned for at the present time and none foreseen in the near future.

9. WELL SITE LAYOUT:

See attached Location Layout sheet which shows the following items:

- A. Cross section of the pad showing details of the cuts and fills.
- B. Location of the reserve pits, pipe racks, living facilities and topsoil stockpile and excess cut stockpile.
- C. Rig orientation, parking areas and access road.
- D. Pits will be lined to conserve water and will be fenced on the fourth side at the completion of operations.

10. PLANS FOR RESTORATION OF SURFACE:

In the event of a dry hole, pits will be allowed to dry and will then be back filled and waste pits will be backfilled. The location will be restored to as near the original contour as feasible and then reseeded.

- A. Upon completion of the testing phase of the well, the areas not needed to access to the well and used for producing operations shall be filled and recontoured to blend with the rest of the private land, stockpiled topsoil will be redistributed over the unused disturbed area. After final plugging and abandonment of the well, the entire disturbed area will be contoured and topsoil spread over any previously disturbed area.

Point #10 Cont.....

- B. The revegetation of the drill site area and access not needed to carry on production operations will be reseeded with a seed mixture recommended by the BLM.
- C. All pits will be fenced prior to disposal of any waste material and the open side of the reserve pit will be fenced before removing the rig from location. The fences will be maintained in good condition until Item (1) is started.
- D. Any oil or condensate on any temporary pit will be removed in a timely manner. Overhead flagging or netting will be installed on any sump pit used to handle well fluids during the producing life of the well.
- E. Restoration activities shall begin within 90 days after the completion of the well. Once completion activities have begun, they shall be completed within 30 days.

11. OTHER INFORMATION:

This area is located in a large basin formed by the Uinta Mtns on the North and the Bookcliff Mtns to the South. The Green River is approx. 8 miles to the west of Section 30, and the White River approx. 4 miles to the North.

The geologic structures of the area that are visible are of the Uinta formation (Eocene Epoch) Tertiary Period in the upper elevations and the cobblestone and younger alluvial deposits from the Quaternary Period. This project area is one of generally low-relief, formed by the extensive erosion of the Uinta formation. Aolian deposits form a generally thin veneer over some areas of gentle raised relief, and extensive washing in other areas has left gravel deposits.

The majority of the numerous washes and streams in the area are of a non-perennial nature, flowing during the early spring runoff and extremely heavy rainstorms of long duration which are extremely rare as the annual rainfall for the area is only 8 inches.

Due to the low precipitation average, climate conditions, and the marginal types of soils, vegetation found in the area is common of the semi-arid region we are located in; consisting of areas of saltbrush, tumbleweed, horsebrush, spiny hop sage, curly grass, matchweed, greasewood and a sparse population of Indian ricegrass.

Fauna of the area consists predominantly of the mule deer, pronghorn antelope, coyotes, rabbits, skunks and varieties of small ground squirrels and other types of small rodents. There are also reptiles, such as lizards, horned toads and snakes.

Birds common to the area are finches, ground sparrows, magpies, crows, jays, sage hens and pheasants.

Livestock grazing and mineral exploration are the only surface use activities in the area. All land in Section 30 is controlled by the BLM.

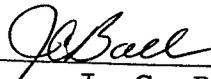
There is no water in the immediate vicinity of this location. No occupied dwellings or known archeological or cultural sites are in the area of this location.

12. BELCO DEVELOPMENT CORPORATION'S representative for this operation will be Mr. J. C. Ball, District Engineer, P. O. BOX X. Vernal, Utah, 84078. Telephone number 1-801-789-0790.

13. CERTIFICATION:

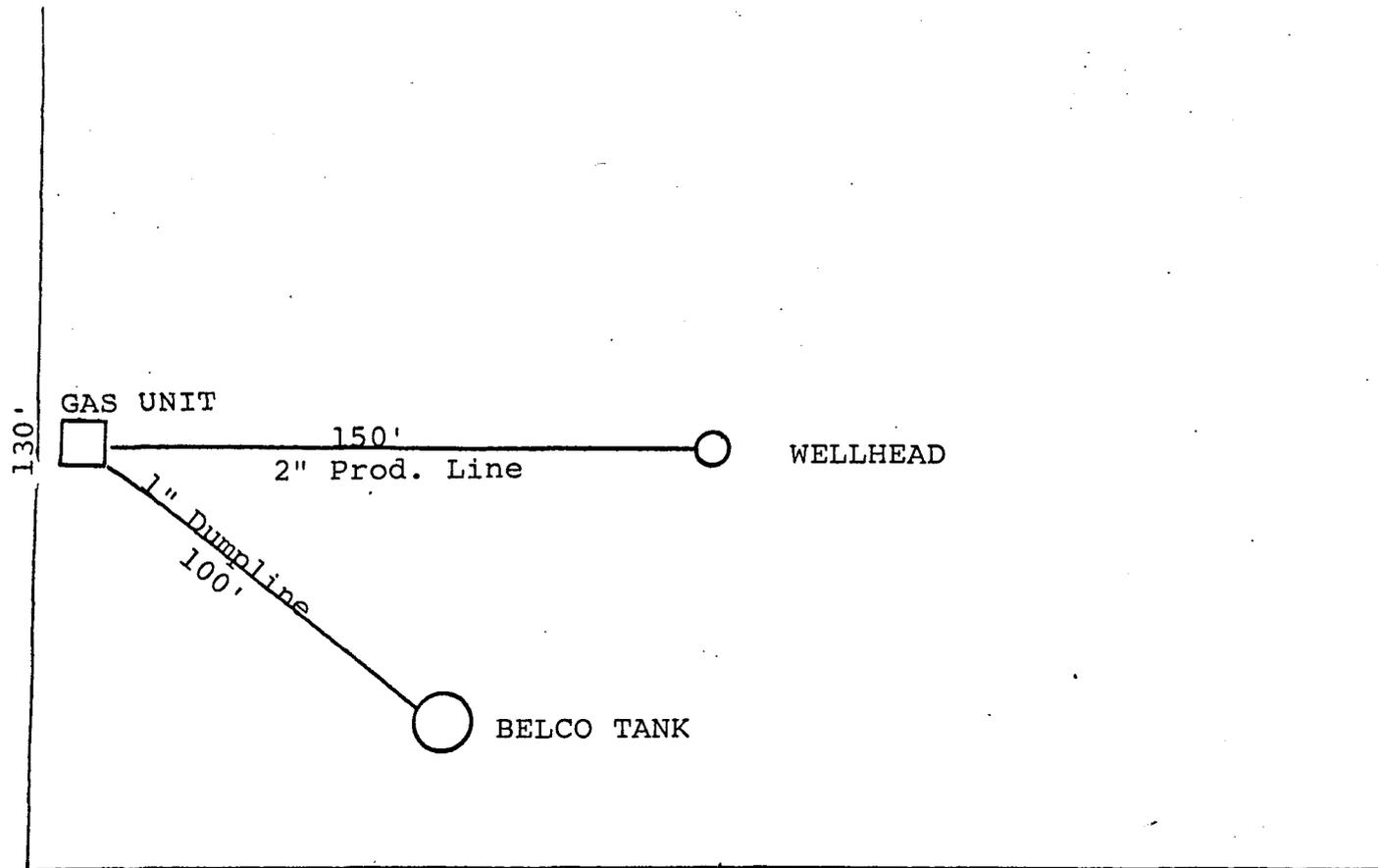
I hereby certify that I or persons under my direct supervision, have inspected the proposed drill site and access route; that I am familiar with the conditions which presently exist, that the statements made in this Plan are to the best of my knowledge, true and correct; and that the work associated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

DATE 2-20-81



J. C. Ball
District Engineer

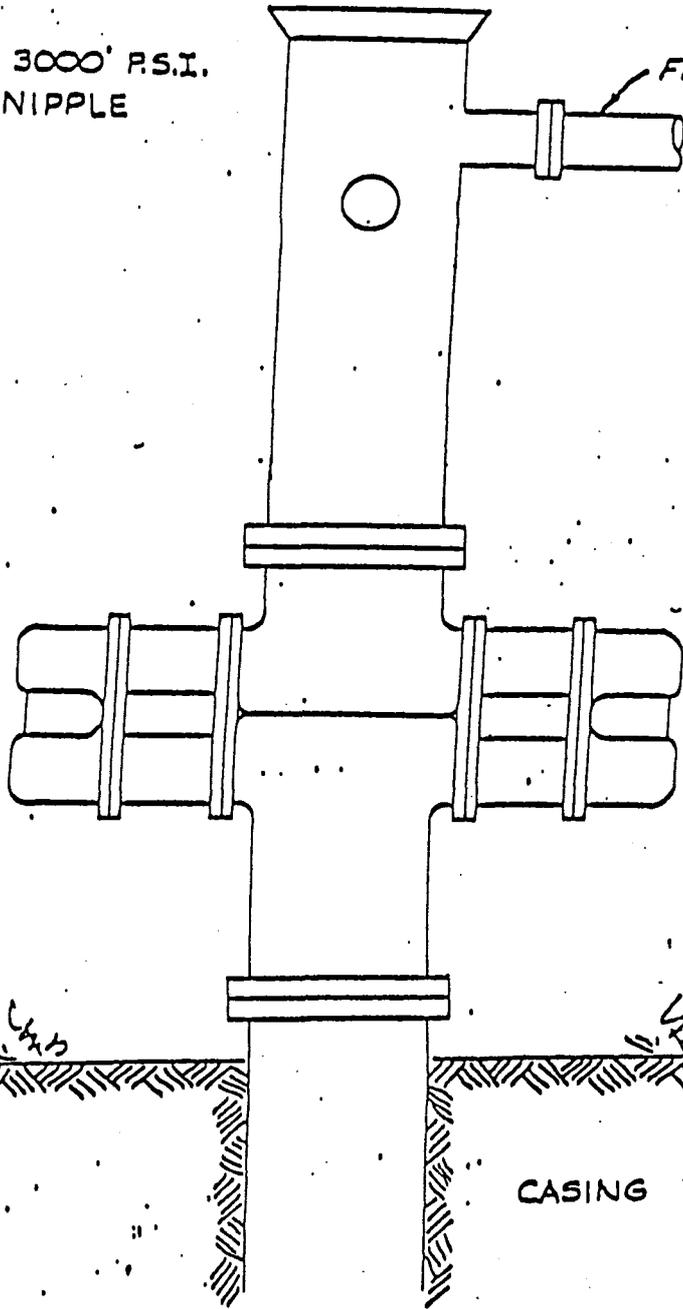
DIAGRAM "A"
BELCO DEVELOPMENT CORPORATION
PRODUCTION FACILITIES SCHEMATIC
FOR HOOK-UP



10" 3000' P.S.I.
NIPPLE

FLOW LINE

DIAGRAM "B"
BELCO DEVELOPMENT CORPORATION
BOP DIAGRAM



DOUBLE RAM PREVENTER WITH
PIPE RAMS ON TOP, BLIND
RAMS ON BOTTOM OR HYDRIL OR
EQUIVALENT.

GROUND LEVEL

CASING

** FILE NOTATIONS **

DATE: Jan. 27, 1981
OPERATOR: Belco Development Corporation
WELL NO: Cottonwood Buttes 3-30GR
Location: Sec. 30 T. 9S R. 21E County: Wintaw

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

API Number 43-047-30873

CHECKED BY:

Petroleum Engineer: M.J. Winder (-30-81)
Hold for Topo exception (-28-81)(J.Bell)

Director: _____

Administrative Aide: _____

APPROVAL LETTER:

Bond Required: Survey Plat Required:

Order No. _____ O.K. Rule C-3

Rule C-3(c), Topographic Exception - company owns or controls acreage
within a 660' radius of proposed site

Lease Designation Sec. Plotted on Map

Hot Line Approval Letter Written
P.I.

Belco Development Corporation

Belco

January 28, 1981

Mr. Mike Minder
Department of Natural Resources
Division of Oil, Gas and Mining
1588 West North Temple
Salt Lake City, Utah 84116

RE: Unorthodox Locations
Cottonwood Buttes Wells
Section 30, T9S, R21E
Uintah Co., Utah

Dear Sir;

Belco requests that you grant approval for the unorthodox locations on the Cottonwood Buttes #1-30GR, #3-30GR, #5-30GR and the #6-30GR wells. The locations are unorthodox because the topography of the area is such that the wells cannot be drilled in a normal location. Belco has the Oil and Gas rights within 660' of the proposed locations. The locations are as follows:

Cottonwood Buttes 1-30GR
2191' FNL & 1878' FEL SW/NE
Section 30, T9S, R21E
Uintah Co., Utah

Cottonwood Buttes 5-30GR
2652' FWL & 1892' FNL SW/NW
Section 30, T9S, R21E
Uintah Co., Utah

Cottonwood Buttes 3-30GR
1022' FSL & 720' FEL SE/SE
Section 30, T9S, R21E
Uintah County, Utah

Cottonwood Buttes 6-30GR
2598' FWL & 2001' FSL NE/SW
Section 30, T9S, R21E
Uintah County, Utah

Attached is a topography map showing the above locations.

Very truly yours,


J. C. Ball
District Engineer

Attachment

xc: file (4)

February 2, 1981

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

Re: Well No. Cottonwood Buttes 3-30GR
Sec. 30, T. 9S, R. 21E
Uintah County, Utah

Insofar as this office is concerned, approval to drill the above referred to oil well on said unorthodox location is hereby granted in accordance with Rule C-3(c), General Rules and Regulations and Rules of Practice and Procedure.

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

MICHAEL T. MINDER - Petroleum Engineer
Office: 533-5771
Home: 876-3001

Enclosed please find Form OGC-8-X, which is to be completed whether or not water sands (Acquifers) 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 43-047-30873.

Sincerely,

DIVISION OF OIL, GAS, AND MINING



Michael T. Minder
Petroleum Engineer

/ko
cc: USGS



United States Department of the Interior

IN REPLY REFER TO

T & R
U-802

BUREAU OF LAND MANAGEMENT
VERNAL DISTRICT OFFICE
170 South 500 East
Vernal, Utah 84078

March 2, 1981

Ed Guynn, District Engineer
USGS, Conservation Division
2000 Administration Building
1745 West 1700 South
Salt Lake City, Utah 84104

Re: Belco Petroleum Corporation
Cottonwood Buttes,
Lease #0581
Well # 1-30GR
Well # 2-30GR
Well # 3-30GR
Well # 4-30GR
Well # 5-30GR
Well # 6-30GR
T.9S., R.21E., Sec. 30
Uintah County, Utah

Dear Mr. Guynn:

A joint field examination was made on February 27, 1981, of the above referenced well site locations, proposed access roads, and flowlines. We feel that the surface use and operating plans are adequate with the following stipulations:

1. Construction and maintenance of roads, rehabilitation of disturbed areas, and construction of pipeline routes, shall be in accordance with surface use standards as set forth in the brochure, "Surface Operating Standards of Oil and Gas Exploration and Development."
2. Traveling off access road right-of-way will not be allowed. The maximum width of access roads (both existing and planned) will be 30 feet total disturbed area, except where backslope and fills require additional area. Turn-outs will not be required.
3. Topsoil will be stockpiled as address in the applicant's 13 Point Plan. At least the top 6 inches of topsoil should be stockpiled.
4. The BLM must be contacted at least 24 hours prior to any construction activities.



Continued . . .

5. The BLM will be contacted at least 24 hours prior to any rehabilitation activities. The operator may be informed of any additional needed seeding and restoration requirements.
6. In the event that oil storage tanks are used, earth dikes will be built around the tanks in order to contain accidental spills. The height of the dikes will be sufficient to contain the entire contents of the tanks.
7. A wire mesh or web type fence will be used around the reserve pits. At least two strands of barbed wire will top this fence.
8. Well # 4-30GR will have the length of its reserve pit shortened to 150 feet.
9. Well # 2-30GR will have its pad rotated 90 degrees to the east and moved 90 feet to the east.
10. All pits will have at least 4 feet of their depths below the natural ground.
11. Production facilities will be painted with a color which blends in with the natural background. Various earth tones can accomplish this.

The proposed activities do not jeopardize listed, threatened, or endangered flora, fauna, or their habitats.

An archaeological study has been conducted in these areas. No cultural resources were located.

The BLM representative will be Ron Rogers, 789-1362.

Sincerely,

For *Earl J. Wright*
Dean L. Evans
Area Manager
Bookcliff Resource Area

cc: USGS, Vernal

Greg

FROM: DISTRICT GEOLOGIST, SALT LAKE CITY, UTAH

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

SUBJECT: APD MINERAL EVALUATION REPORT

LEASE NO. U-0581

OPERATOR: Belco Development

WELL NO. 3-30 GR

LOCATION: NW 1/4 SE 1/4 SE 1/4 sec. 30, T. 9S., R. 21E., SLM

Uintah County, Utah

1. Stratigraphy:

Uintah	surface
Green River	1410'
<u>TD</u>	<u>4940'</u>

2. Fresh Water:

Fresh water is possible through the Uintah

3. Leasable Minerals:

Oil shale in the Green River. Mahogany should occur at ~ 2900'.

Saline minerals may occur in the 500' rock interval immediately overlying the Mahogany

4. Additional Logs Needed: Adequate



5. Potential Geologic Hazards: none expected

6. References and Remarks:

Signature: Gregory W. Wood

Date: 2-14-81

DUPLICATE
UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

RECEIVED
MAR 26 1981
DIVISION OF
GAS & MINING

APPLICATION FOR PERMIT TO DRILL, DEEPEN OR PLUG BACK

1a. TYPE OF WORK
DRILL DEEPEN

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 1022' FSL & 720' FEL SE 1/4 SE 1/4
At proposed prod. zone SAME

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
APPROX. 12 MILES SE OF OURAY, UTAH

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drilg. unit line, if any) 720'

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.)
4916' Natural G.L.

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH
12 1/4"	9 5/8"	36.0#	200'
9 5/8"	5 1/2"	17.0#	4938'

QUANTITY OF CEMENT
CEMENT TO SURF W/200 SX
SUFFICIENT CEMENT TO COVER
200' ABOVE UPPERMOST HYDRO-
CARBON ZONE TO PROTECT OIL
SHALE.

SEE ATTACHMENTS FOR:

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

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. SIGNED J. C. Ball TITLE DISTRICT ENGINEER DATE 1-20-81
(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____
APPROVED BY (ORIG. SGD.) R. A. HENRICKS TITLE FOR E. W. GUYNN DATE MAR 25 1981
CONDITIONS OF APPROVAL, IF ANY:

NOTICE OF APPROVAL
State O+G CONDITIONS OF APPROVAL ATTACHED
TO OPERATOR'S COPY

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

United States Department of the Interior
Geological Survey
2000 Administration Bldg.
1745 West 1700 South
Salt Lake City, Utah 84104

NEPA CATEGORICAL EXCLUSION REVIEW

PROJECT IDENTIFICATION

Operator Belco Development Corporation
Project Type Oil Well Drilling
Project Location 1022' FSL 720' FEL Section 30, T. 9S, R. 21E.
Well No. 3-30 GR Lease No. U-0581
Date Project Submitted January 22, 1981

FIELD INSPECTION

Date February 27, 1981

Field Inspection
Participants

Greg Darlington USGS, Vernal
Ron Rogers BLM, Vernal
Ed Taylor Belco Development
Steve Richens Dirt Contractor

Related Environmental Documents: Unit Resource Analysis, Seep Ridge
Planning Unit, BLM, Vernal

I have reviewed the proposal in accordance with the categorical exclusion review guidelines. This proposal would not involve any significant effects and, therefore, does not represent an exception to the categorical exclusions.

March 9, 1981
Date Prepared

Gregory Darlington
Environmental Scientist

I concur
3/10/81
Date

Ed Taylor
District Supervisor

PROPOSED ACTION:

Belco Development Corporation proposes to drill the 3-30 GR well, a 4938' oil test of the Green River Formation. A new access road of .3 miles would be required. A pad 215' by 425' and a pit 100' by 200' are proposed for this project. Corner 2 (the south corner) would be rounded off the pad because of a rocky outcropping there.

RECOMMENDED APPROVAL CONDITIONS:

The operator agrees to accept the following conditions in addition to the plans outlined in the APD and adhere to them:

1. BLM Stipulations
2. Lease Stipulations
3. Provide adequate logs as requested in the Mineral Evaluation Report and Mining Report, also, report if Gilsonite is encountered during drilling.

FIELD NOTES SHEET

Date of Field Inspection: February 27

Well No.: 3-30 GR Cottonwood Buttes

Lease No.: U-0581

Approve Location: ✓

Approve Access Road: ✓

Modify Location or Access Road: Roundoff ~~SE~~ South Corner ②

because of Rocky outcrop. Divert drainages around pad.

Evaluation of Criteria for Categorical Exclusion

1. Public Health and Safety
2. Unique Characteristics
3. Environmentally Controversial Items
4. Uncertain and Unknown Risks
5. Establishes Precedents
6. Cumulatively Significant
7. National Register Historic Places
8. Endangered/Threatened Species
9. Violate Federal, State, Local, or Tribal Laws

If this project is not eligible for Categorical Exclusion circle the numbers of the above criteria requiring the preparation of an EA.

Comments and special conditions of approval discussed at onsite: (include local topography) Reasonably good location. Silsonite veins are present near the surface in nearby section 32 state land.

CATEGORICAL EXCLUSION REVIEW INFORMATION SOURCE

Criteria 516 DM 2.3.A	Federal/State Agency			Local and private corre- spondence (date)	Previous NEPA	Other studies and reports	Staff expertise	Onsite inspection (date)	Other
	Corre- spondence (date)	Phone check (date)	Meeting (date)						
1. Public health and safety							1, 2, 4, 6	2-27-81	
2. Unique charac- teristics							1, 2, 4, 6	2-27	
3. Environmentally controversial							1, 2, 4, 6	2-27	
4. Uncertain and unknown risks							1, 2, 4, 6	2-27	
5. Establishes precedents							1, 2, 4, 6	2-27	
6. Cumulatively significant							1, 2, 4, 6	2-27	
7. National Register historic places							1, 6	2-27	
8. Endangered/ threatened species							1, 6	2-27	
9. Violate Federal, State, local, tribal law							1, 2, 4, 6	2-27	

CATEGORICAL EXCLUSION REVIEW COMMON REFERENCE LEGEND

1. Surface Management Agency Input
2. Reviews Reports, or information received from Geological Survey
(Conservation Division, Geological Division, Water Resource Division,
Topographic Division)
3. Lease Stipulations/Terms
4. Application Permit to Drill
5. Operator Correspondence
6. Field Observation
7. Private Rehabilitation Agreement
8. *USGS conditions of approval.*



*North ~~west~~ View
3-30 Belco*



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

December 16, 1981

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

Re: See Attached

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 us as such.

Your prompt attention to the above will be greatly appreciated.

Very truly yours,

DIVISION OF OIL, GAS AND MINING

Cari Furse

CARI FURSE
CLERK TYPIST

Well No. West Gusher St. #1-36U
Sec. 36, T. 5S, R. 19E
Uintah County, Utah

Well No. North Duck Creek 39-30 GR
Sec. 30, T. 8S, R. 21E.
Uintah County, Utah

Well No. Natural Duck 13-21GR
Sec. 21, T. 9S, R. 20E
Uintah County, Utah

Well No. Cottonwood Buttes 1-30GR
Sec. 30, T. 9S, R. 21E
Uintah County, Utah

Well No. Cottonwood Buttes 2-30Gr
Sec. 30, T. 9S, R. 21E
Uintah County, Utah

Well No. Cottonwood Buttes 3-30GR
Sec. 30, T. 9S, R. 21E
Uintah County, Utah

Well No. Cottonwood Buttes #4-30GR
Sec. 30, T. 9S, R. 21E
Uintah County, Utah

Well No. Cottonwood Buttes 5-30GR
SEC. 30, T. 9S, R. 21E,
Uintah County, Utah

Well No. Cottonwood Buttes 6-30
Sec. 30, T. 9S, R. 21E
Uintah County, Utah

Well No. Chapita Wells Unit #53-33
Sec. 33, T. 9S, R. 23E
Uintah County, Utah

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

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DIVISION OF
OIL, GAS & MINING

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9 copies

Belco Development Corporation

Belco

December 21, 1981

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

RE: Expired permits
See attached list

Attn: Ms Cari Furse

Belco does not intend at this time to drill any of the wells on the attached list. No work of any kind has been done on these locations. If at any future date it is desirable to drill any of these wells, a new form will be submitted.

Sincerely,

Kathy Knutson

Kathy Knutson
Engineering Clerk
Belco Development Corp

cc: File

*L.A.
put in file
move to P+A*

Well No. West Gusher St. #1-36U
Sec. 36, T. 5S, R. 19E
Uintah County, Utah

Well No. North Duck Creek 39-30 GR
Sec. 30, T. 8S, R. 21E.
Uintah County, Utah

Well No. Natural Duck 13-21GR
Sec. 21, T. 9S, R. 20E
Uintah County, Utah

Well No. Cottonwood Buttes 1-30GR
Sec. 30, T. 9S, R. 21E
Uintah County, Utah

Well No. Cottonwood Buttes 2-30GR
Sec. 30, T. 9S, R. 21E
Uintah County, Utah

Well No. Cottonwood Buttes 3-30GR
Sec. 30, T. 9S, R. 21E
Uintah County, Utah

Well No. Cottonwood Buttes #4-30GR
Sec. 30, T. 9S, R. 21E
Uintah County, Utah

Well No. Cottonwood Buttes 5-30GR
Sec. 30, T. 9S, R. 21E
Uintah County, Utah

Well No. Cottonwood Buttes 6-30GR
Sec. 30, T. 9S, R. 21E
Uintah County, Utah

Well No. Chapita Wells Unit #58-333
Sec. 33, T. 9S, R. 23E
Uintah County, Utah

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OIL, GAS & MINING

Minerals Management Service
 2000 Administration Building
 1745 West 1700 South
 Salt Lake City, Utah 84104-3884

RECEIVED

APR 12 1982

DIVISION OF
 OIL, GAS & MINING

April 9, 1982

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

Re: Rescind Applications for Permit
 to Drill
 Well Nos. 3-30GR & 4-30GR
 Section 30-T9S-R21E
 Uintah County, Utah
 Lease No. U-0581

Gentlemen:

The Applications for Permit to Drill the referenced wells were approved on March 25, 1981. Since that date no known activity has transpired at the approved locations. Under current District policy, applications for permit to drill are effective for a period of one year. In view of the foregoing this office is rescinding the approval of the referenced applications without prejudice. If you intend to drill at these locations at a future date, new applications for permit to drill must be submitted.

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

Sincerely,

E. W. Gynn
 District Oil & Gas Supervisor

bcc: SMA
 State O&G ✓
 State BIM
 MMS-Vernal
 Well File
 APD Control

DH/dh