

UTAH OIL AND GAS CONSERVATION COMMISSION

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

DATE FILED 7-20-80

LAND: FEE & PATENTED \_\_\_\_\_ STATE LEASE NO. \_\_\_\_\_ PUBLIC LEASE NO. U-0337 INDIAN \_\_\_\_\_

DRILLING APPROVED: 7-25-80

SPUDDED IN: \_\_\_\_\_

COMPLETED: \_\_\_\_\_ PUT TO PRODUCING: \_\_\_\_\_

INITIAL PRODUCTION: \_\_\_\_\_

GRAVITY A.P.I. \_\_\_\_\_

GOR: \_\_\_\_\_

PRODUCING ZONES: \_\_\_\_\_

TOTAL DEPTH: \_\_\_\_\_

WELL ELEVATION: \_\_\_\_\_

DATE ABANDONED: Location Abandoned - Well never drilled - Nov 10, 1981

FIELD: NATURAL BUTTES 3/86

UNIT: CHAPITA WELLS UNIT

COUNTY: UINTAH

WELL NO. CHAPITA WELLS UNIT 57-29

API NO. 43-047-30748

LOCATION 830' FT. FROM (N) ~~LINE~~ \*\* 778'

FT. FROM (E) ~~LINE~~ \*\* NE NE 1/4 - 1/4 SEC 29

TWP.	RGE.	SEC.	OPERATOR	TWP.	RGE.	SEC.	OPERATOR
				9S	23E	29	BELCO PETROLEUM CORP.

**FIELD NOTATIONS**

Entered in NID File ✓  
Entered On S.R. Sheet \_\_\_\_\_  
Location Map Pinned \_\_\_\_\_  
Cross Indexed ✓  
IWS for State or Fee Land \_\_\_\_\_

Checked \_\_\_\_\_  
Checked \_\_\_\_\_  
Checked \_\_\_\_\_  
Checked \_\_\_\_\_  
Checked \_\_\_\_\_

**COMPLETION DATA:**

Date Well Completed \_\_\_\_\_  
OW \_\_\_\_\_ WW \_\_\_\_\_ TA \_\_\_\_\_  
GW \_\_\_\_\_ OS \_\_\_\_\_ PA \_\_\_\_\_

Checked \_\_\_\_\_  
Checked \_\_\_\_\_  
Checked \_\_\_\_\_  
Checked \_\_\_\_\_

Driller's Log \_\_\_\_\_  
Electric Logs (No. ) \_\_\_\_\_  
E \_\_\_\_\_ I \_\_\_\_\_  
Lat. \_\_\_\_\_ Mi-L \_\_\_\_\_

N \_\_\_\_\_ Micro \_\_\_\_\_  
\_\_\_\_\_

**Belco Petroleum Corporation**

**Belco**

July 17, 1980

Mr. E. W. Gynn  
United States Geological Survey  
2000 Administration Building  
1745 West 1700 South  
Salt Lake City, Utah 84104

RECEIVED  
JUL 17 1980

DIVISION OF  
OIL, GAS & MINING

Dear Mr. Gynn,

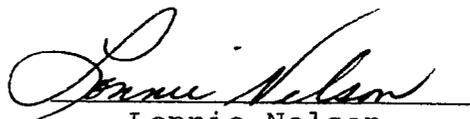
Attached please find the originals and two (2) copies of the Applications for Permit to Drill the following two Belco Petroleum wells in the Chapita Wells Unit of Uintah County, Utah.

Chapita Wells # 57-29  
Section 29, T9S, R23E  
Uintah County, Utah

Chapita Wells # 58-19  
Section 19, T9S, R23E  
Uintah County, Utah

Sincerely yours,

BELCO PETROLEUM CORPORATION



Lonnie Nelson  
Engineering Clerk

xc: Dep't of Natural Resources  
Conoco  
Houston  
Denver  
file

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 PETROLEUM 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  
 830' FNL & 778' FEL (NE NE)

At proposed prod. zone  
 SAME

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

15. DISTANCE FROM PROPOSED\* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 778'

16. NO. OF ACRES IN LEASE

17. NO. OF ACRES ASSIGNED TO THIS WELL  
 320

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

19. PROPOSED DEPTH  
 8470'

20. ROTARY OR CABLE TOOLS  
 Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)  
 5185' Natural GL

22. APPROX. DATE WORK WILL START\*  
 September 1980

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17"	13 3/8"	54#	200'	200 sx
11"	8 5/8"	24#	2200'	150 sx
7 7/8"	4 1/2"	11.6#	8470'	1500 sx

- Surface Formation: Uinta
- Est log tops: Green River 1207', Wasatch 5807', Mesa Verde 7436'.
- Anticipate water throughout the Uinta. Possible gas and oil shows through the Green River and Wasatch. Primary objective is gas in the Mesa Verde.
- Casing Design: New Casing as described above.
- Minimum BOP: 10" series 900 hydraulic double gate BOP. Test to 1000 PSI prior to drilling surface plug & on each trip for bit.
- Mud program: A water based gel chemical mud weighted to 10.5 ppg will be used to control the well.
- Aux. Equip: 2" 3000 PSI choke manifold and kill line, kelly cock, stabbing valve and visual mud monitoring.
- Will run DIL, FDC-CNL-GR logs. No cores or DST's are anticipated.
- No abnormal pressures or problems are anticipated.
- Operations will commence approx. 9/80 and end approx. 10/80.

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 7-17-80

(This space for Federal or State office use)

PERMIT NO. \_\_\_\_\_ APPROVAL DATE \_\_\_\_\_

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_

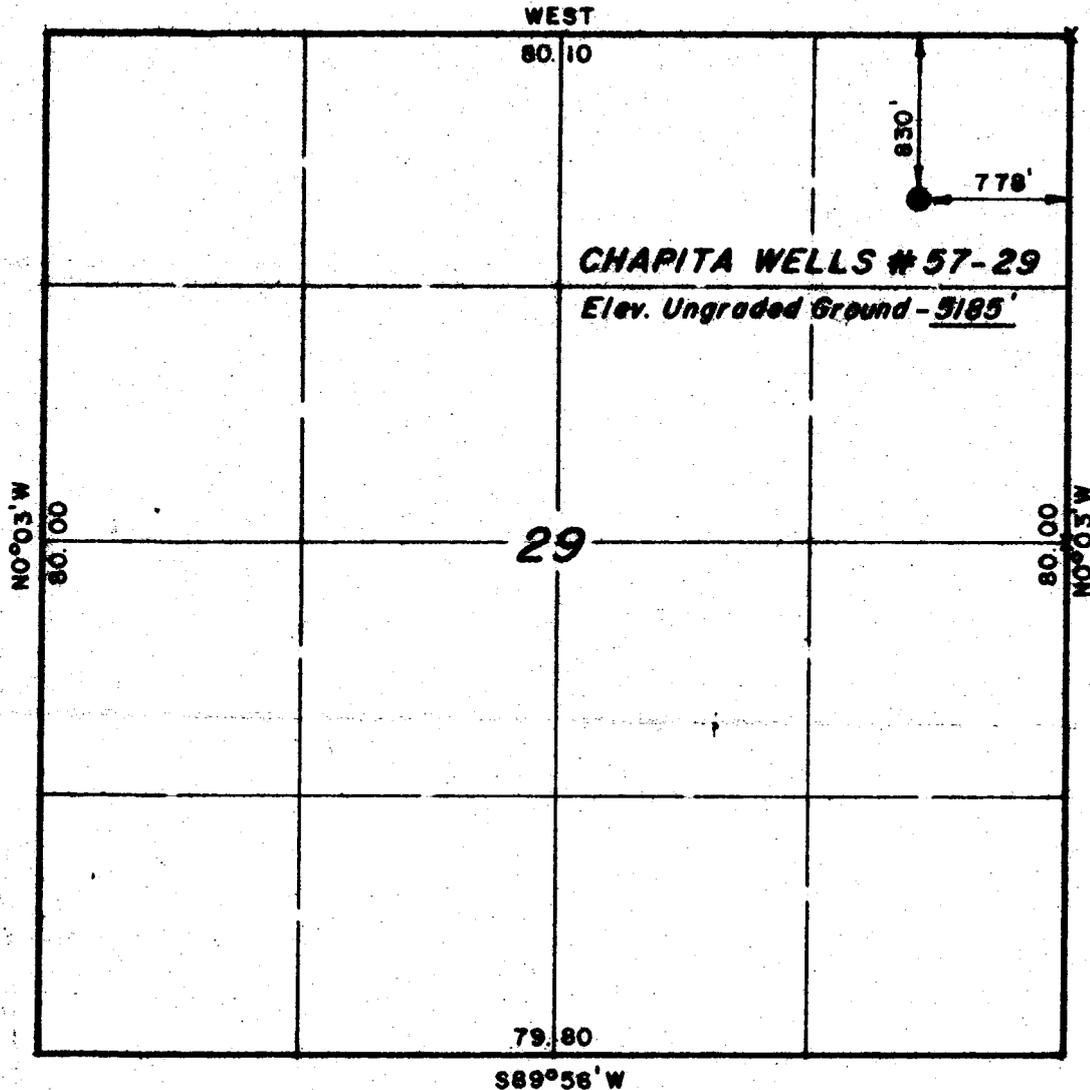
CONDITIONS OF APPROVAL, IF ANY: \_\_\_\_\_

APPROVED BY THE DIVISION OF OIL, GAS, AND MINING  
 DATE: 7-26-80  
 BY: M. J. Menden

T 9 S, R 23 E, S. L. B. & M.

PROJECT  
**BELCO PETROLEUM CORP.**

Well location **CHAPITA WELLS # 57-29**,  
 located as shown in the NE 1/4 NE 1/4 Section  
 29, T 9 S, R 23 W, S. L. B. & M., Uintah County,  
 Utah.



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.

*Robert J. Marshall*  
 REGISTERED LAND SURVEYOR  
 REGISTRATION NO 2454  
 STATE OF UTAH

**UINTAH ENGINEERING & LAND SURVEYING**  
 P. O. BOX 9 - 110 EAST - FIRST SOUTH  
 VERNAL, UTAH - 84078

SCALE	1" = 1000'	DATE	7/1/80
PARTY	DA MH DK AW	REFERENCES	G L O Plat
WEATHER	Fair	FILE	BELCO PETROLEUM CORP.

X = Section Corners Located



3 POINT SURFACE USE AND  
OPERATING PLAN

WELL NAME  
AND LOCATION:

1. EXISTING ROADS:
  - A. Proposed well site: See attached Survey Plat.
  - B. Route and distance from locatable reference: See Topo Map B. Existing road is colored blue. This location is approximately 60 miles S/E from Vernal, Utah.
  - C. Access Road: See Topo Map B. Access road is colored yellow.
  - D. Not Applicable.
  - E. See Topo Map B.
  - F. If production is obtained, road will be improved to the standards of a permanent road and maintained in a passable condition.
2. PLANNED ACCESS ROADS:
  - A. Width: Total disturbed area will be a maximum of 40' except where necessitated by fills or backslopes.
  - B. Maximum grade: 4%
  - C. Turnouts: No turnouts will be required.
  - D. Drainage design: Roads will be crowned with drainage ditches where required.
  - E. Location of culverts and major cuts or fills: Not Applicable.
  - F. Surfacing material: All roads will be dirt surfaced.
  - G. Gates, cattleguards, or fence cuts: Not applicable.
  - H. All new or upgraded roads have been centerlined staked.
3. LOCATION OF EXISTING WELLS: See Topo Map D.
4. LOCATION OF EXISTING OR PROPOSED PRODUCTION FACILITIES:
  - A. The only existing production facilities which are owned or controlled by Belco Petroleum Corporation within one mile of this location are gas production units and tanks, if applicable. These facilities are located on the location pad of the existing Belco wells.
  - B. Proposed facilities:
    1. All facilities except the sales line will be located on the location pad. See attached diagram "A".
    2. Dimensions: See attached diagram "A".
    3. Construction methods & materials: Proposed flowline is to be 3" OD and have a minimum design of 1000 PSI. Actual working pressure will be no more than 500 PSI when in operation. All lines will be laid above ground, with little or no disturbance to the natural contour and vegetation. Large scale map showing exact route of lines is attached, Map "C". Approximate length of lines are shown on the map. No corrosion problems have been encountered previously. We expect no problems of this nature in regards to this well. (Chapita Wells #57-29)
    4. The production facilities are enclosed package units. Any pits will be fenced and overhead flagged as necessary.
  - C. Plan for rehabilitation of disturbed area: Stockpiled topsoil will be spread over any area not required for production operations of the well. At the time production operations cease, the entire area and road will be returned as near as possible to it's original condition and reseeded in accordance with specifications.
5. LOCATION AND TYPE OF WATER SUPPLY:
  - A. Water for this operation will be obtained from White River.
  - B. Water will be transported to the location by truck. Water Hauler will be Liquid Transport . PSC# 1969.
  - C. No water well is to be drilled on this lease at this time.
6. SOURCE OF CONSTRUCTION MATERIALS:
  - A. All materials will be obtained from the access road and location.
  - B. All lands involved are owned or controlled by the BLM.
  - C. All materials will be obtained from the road and location, and will be used on the same.
  - D. See Topo Map B.

7. METHODS OF HANDLING WASTE DISPOSAL

- A. All cuttings, drilling fluids and produced fluids will be contained in the reserve pit.
- B. A chemical toilet will be available on the location.
- C. All trash and foreign wastes will be collected in a trash cage. and removed from the location at the completion of operations.
- D. The location will be properly cleaned at the end of drilling and at the end of completion operations.

8. ANCILLARY FACILITIES: No camps or airstrips are planned.9. WELLSITE LAYOUT:

- A.B.C. See attached Location Layout.
- D. Pits will be lined to conserve water and will be fenced on three sides at the onset of drilling operation: Pit will be fenced on the fourth side at the completion of operations.

10. PLAN FOR RESTORATION OF SURFACE:

- A. Area will be backfilled and contoured as near as possible to it's original condition. All waste materials will be removed, burned or buried.
- B. All rehabilitation and revegetation will take place in accordance with the BLM.
- C. At the time of rig release, the pits will be completely fenced until they have dried sufficiently to allow backfilling.
- D. Any oil on pits will be removed or overhead flagged for the protection of livestock and wildlife.
- E. Location will be cleaned as soon as operations cease. All dirt work will commence as soon as pit has dried sufficiently for backfilling. Reseeding will take place within one year of completion of operations.

11. OTHER INFORMATION:

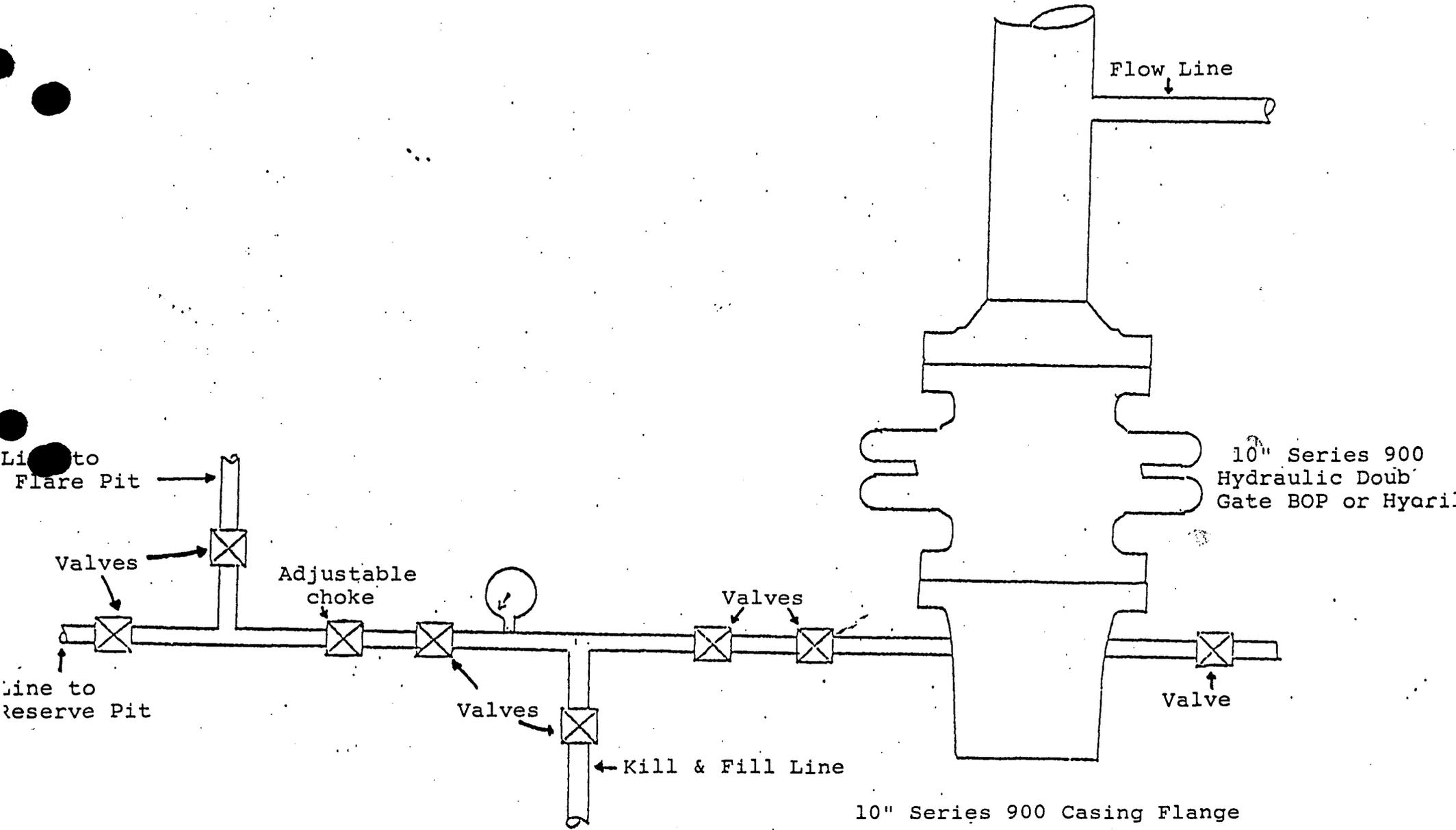
- A. Topography, etc: This wellsite is located in mostly desert terrain. Vegetation consists of sparse sagebrush and native grasses. The wildlife consists of birds, reptiles and small rodents.
- B. Livestock grazing and mineral exploration are the only surface use activities in the area. All lands involved with this location are owned or controled by the BLM.
- C. 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.

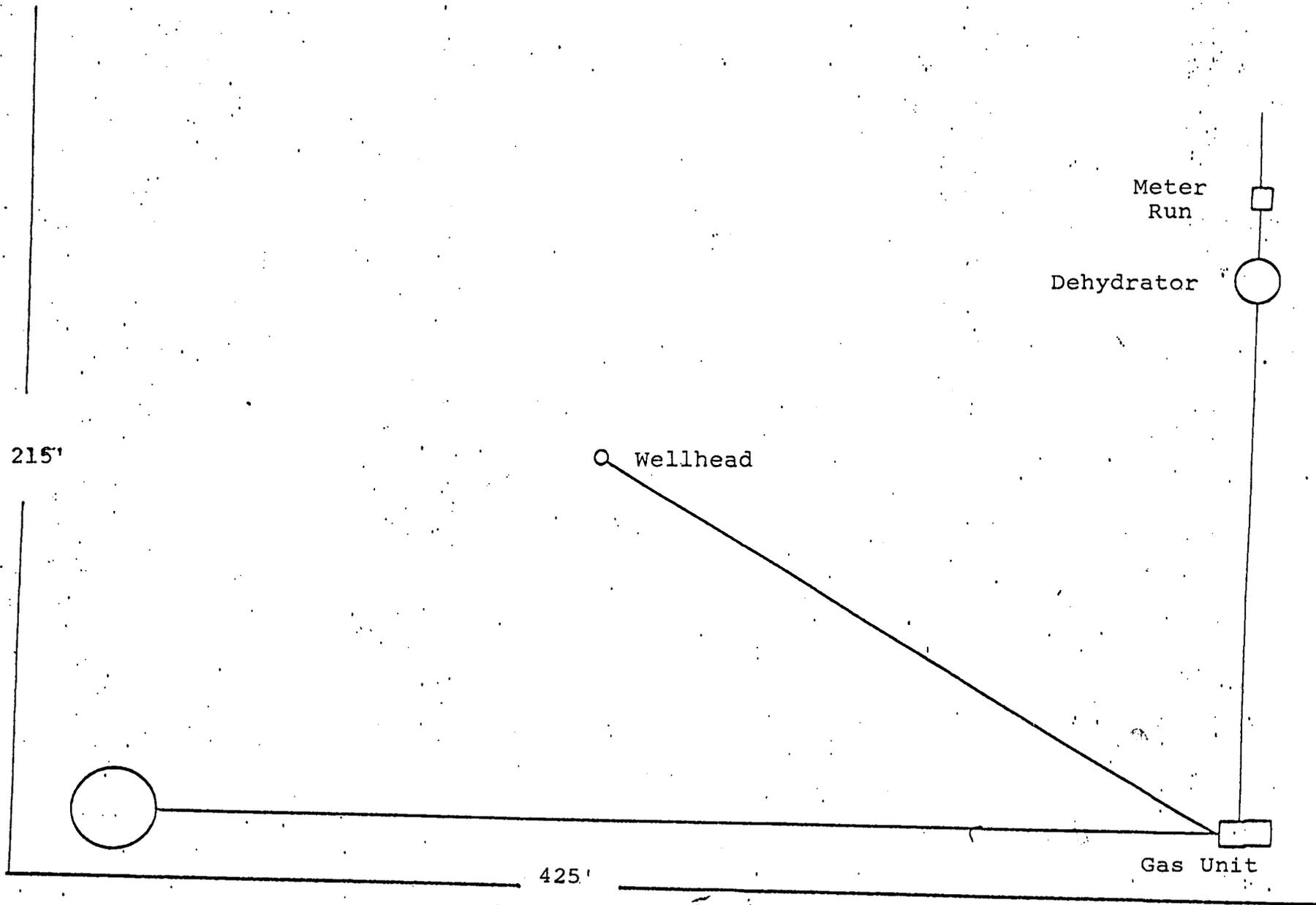
12. Belco Petroleum Corporation's representative for this operation will be Mr. John A. Maxfield, P. O. BOX X, Vernal, Utah, 84078, telephone number 1-801-789-0790.

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 conditons which presently exist; that the statements made in this plan are to the best of my knowledge, true and correct; that the work associated with the operations proposed herein will be performed by Belco Petroleum Corporation, it's contractors and sub-contractors in conformity with this Plan and the terms and conditions under which it is approved.

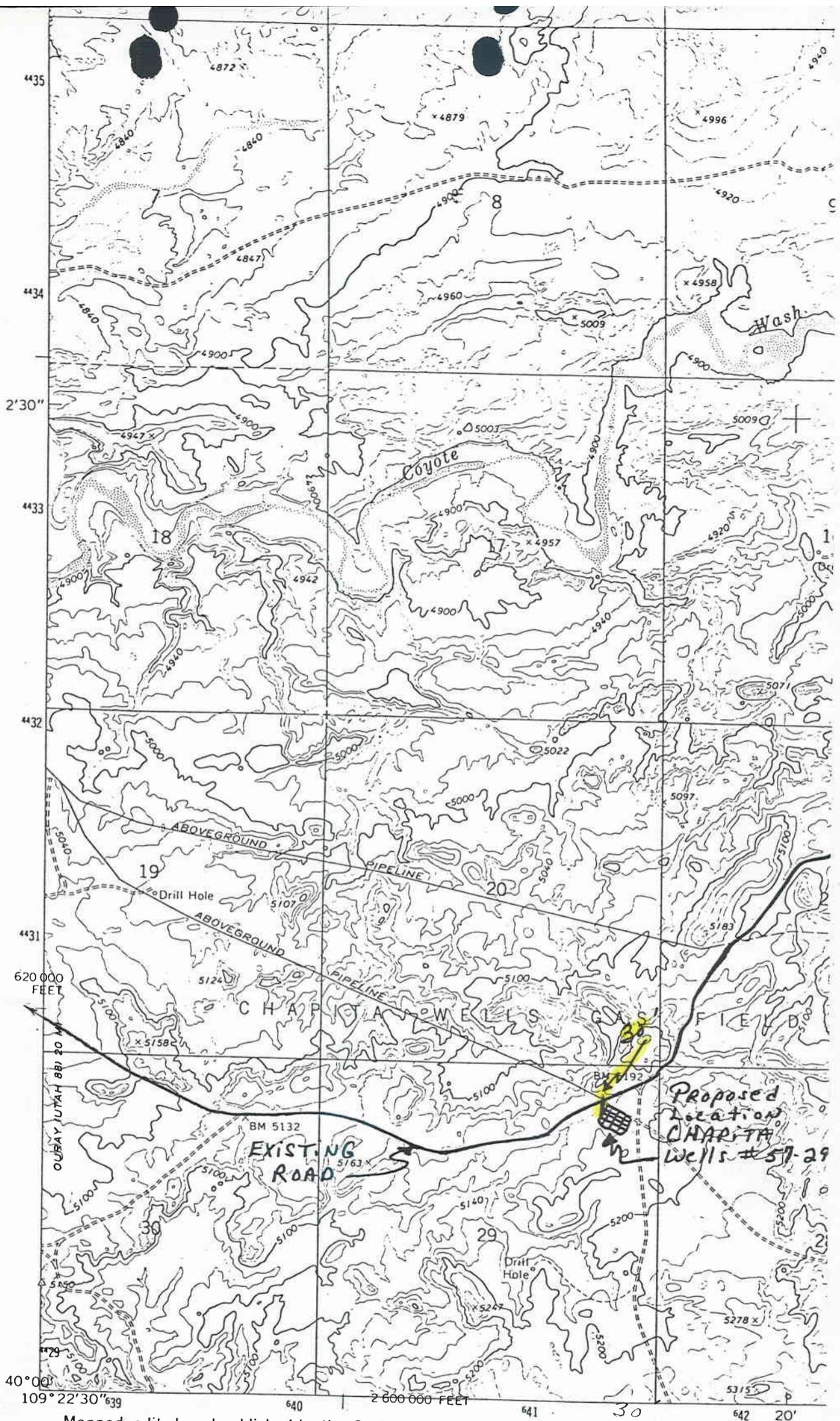
JCBall





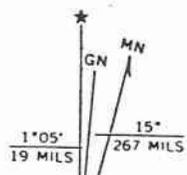
Flow will be controlled by a positive manual choke. A high-low pressure safety shut down will be utilized.

DIAGRAM "A"  
 PRODUCTION FACILITIES



ARCHY BENCHI  
#163 IV NW

Mapped, edited, and published by the Geological Survey  
 Control by USGS and USC&GS  
 Topography by photogrammetric methods from aerial  
 photographs taken 1965. Field checked 1968  
 Polyconic projection. 1927 North American datum  
 10,000-foot grid based on Utah coordinate system, central zone  
 Universal Transverse Mercator grid ticks,  
 zone 12, shown in blue



UTM GRID AND 1968 MAGNETIC NORTH  
DECLINATION AT CENTER OF SHEET

*Topo Map "C"*  
*Pipeline Connection*  
*CWH-57-29*



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 PETROLEUM 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 830' FNL & 778' FEL (NE NE)  
At proposed prod. zone SAME

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

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20. ROTARY OR CABLE TOOLS

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

5185' Natural GL

Rotary

22. APPROX. DATE WORK WILL START\*

September 1980

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17"	13 3/8"	54#	200'	200 sx
11"	8 5/8"	24#	2200'	150 sx
7 7/8"	4 1/2"	11.6#	8470'	1500 sx

*The 8 7/8" casing should be cemented to surface*

- Surface Formation: Uinta
- Est log tops: Green River 1207', Wasatch 5807', Mesa Verde 7436'.
- Anticipate water throughout the Uinta. Possible gas and oil shows through the Green River and Wasatch. Primary objective is gas in the Mesa Verde.
- Casing Design: New Casing as described above.
- Minimum BOP: 10" series 900 hydraulic double gate BOP. Test to 1000 PSI prior to drilling surface plug & on each trip for bit.
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- Aux. Equip: 2" 3000 PSI choke manifold and kill line, kelly cock, stabbing valve and visual mud monitoring.
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24. SIGNED J. C. Ball TITLE DISTRICT ENGINEER DATE 7-17-80

(This space for Federal or State office use)

PERMIT NO. \_\_\_\_\_ APPROVAL DATE \_\_\_\_\_

FOR E. W. GUYNN  
DISTRICT ENGINEER

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_

CONDITIONS OF APPROVAL, IF ANY:

*Utah Oil & Gas*  
NOTICE OF APPROVAL

\*See Instructions On Reverse Side  
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  
Oil and Gas Operations  
2000 Administration Building  
1745 West 1700 South  
Salt Lake City, Utah 84104

NEPA CATEGORICAL EXCLUSION REVIEW

PROJECT IDENTIFICATION

Operator/Project Name Belco Petroleum Corporation, Well CWU 57-29  
Project Type Gas well drilling & flowline route in Chapita Wells Unit  
Project Location 830' FNL & 778' FEL (NENE) Section 29, T9S, R23E  
Date Project Submitted July 17, 1980

FIELD INSPECTION Date August 22, 1980

Field Inspection  
Participants

Greg Darlington	USGS, Vernal
Ron Rogers	BLM, Vernal
Jerry Ball	Belco Petroleum Corp.
Ed Taylor	Belco Petroleum Corp.
Steve Richens	Pease Brothers Constr.

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.

September 3, 1980  
Date Prepared

1/s/ Gregory Darlington  
Environmental Scientist

I concur

9/19/80  
Date

E. W. Longman  
District Supervisor

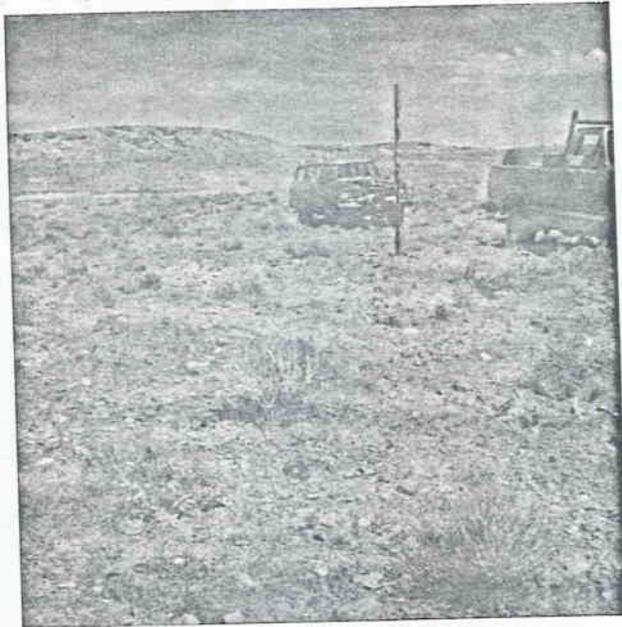
Proposed Action:

Belco Petroleum Corporation proposes to drill the CWU 57-29 well, an 8,470 foot test of the Mesaverde formation. A pad 215 feet by 425 feet and a reserve pit 100 feet by 200 feet have been applied for. At the onsite we requested that the southeast corner of the reserve pit be avoided. This would make the sides of the reserve pit 140', 100', 200', and 117'. A 30 foot long hookup for a surface gas flowline for this well is also applied for in this APD. No new access road will be required. All new roads and pipelines for this project will be in Section 29 of T9S, R23E. The project proposes to require a total disturbed area of about 2.5 acres.

Recommended Approval Conditions:

Drilling should be allowed provided the following measures are incorporated into the APD and adhered to by the operator:

1. Lease stipulations
2. BLM stipulations.
3. Furnish the Mining Supervisor with the logs requested in the mining report to cover all formations containing potentially valuable minerals (oil shale) subject to the Mineral Leasing Act of 1920. (Estimated from 1900' -- 2400' depth in the mineral evaluation report).

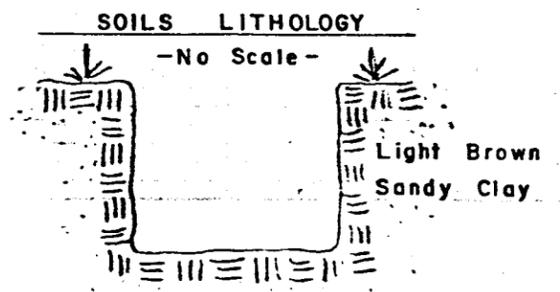
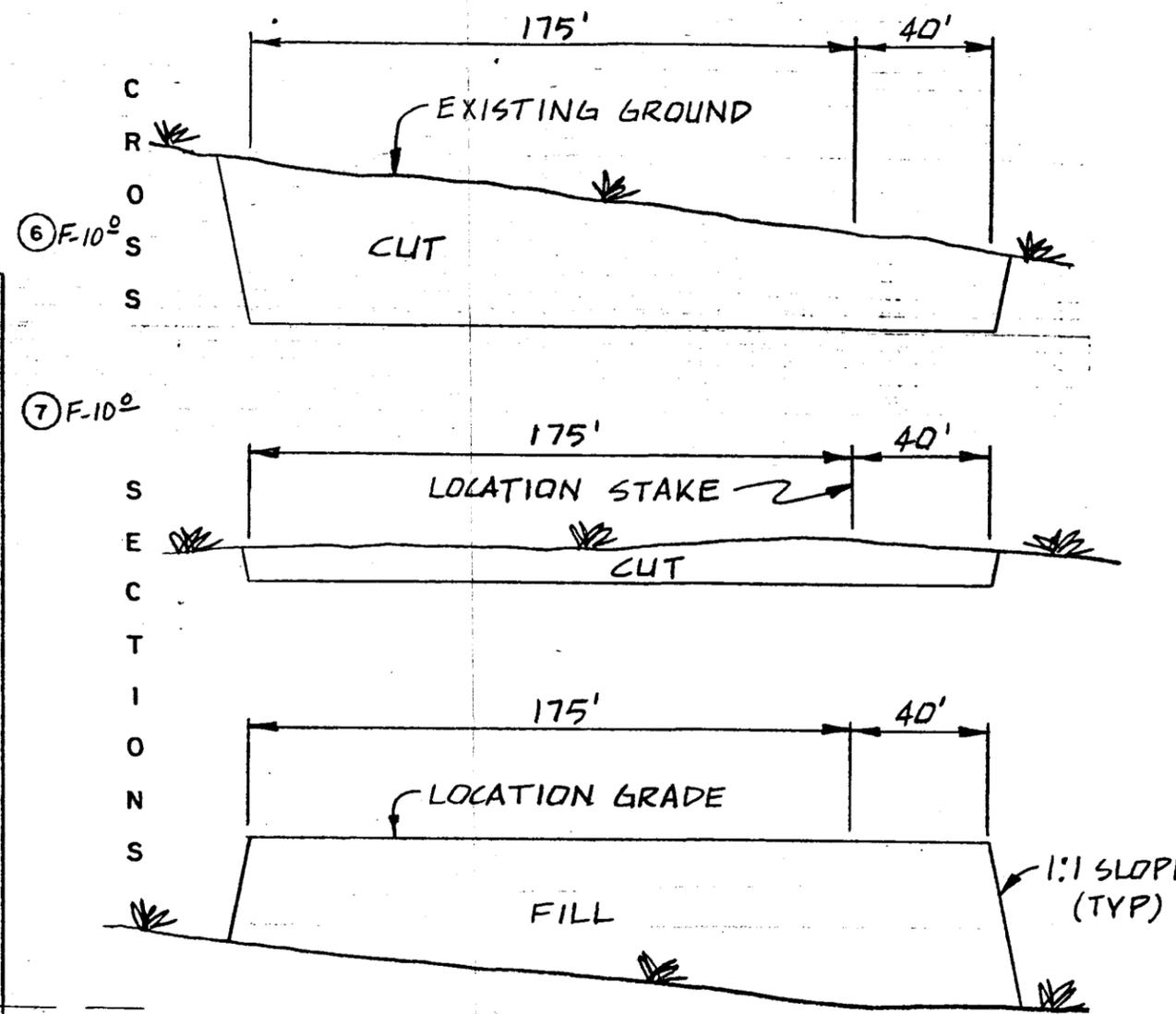
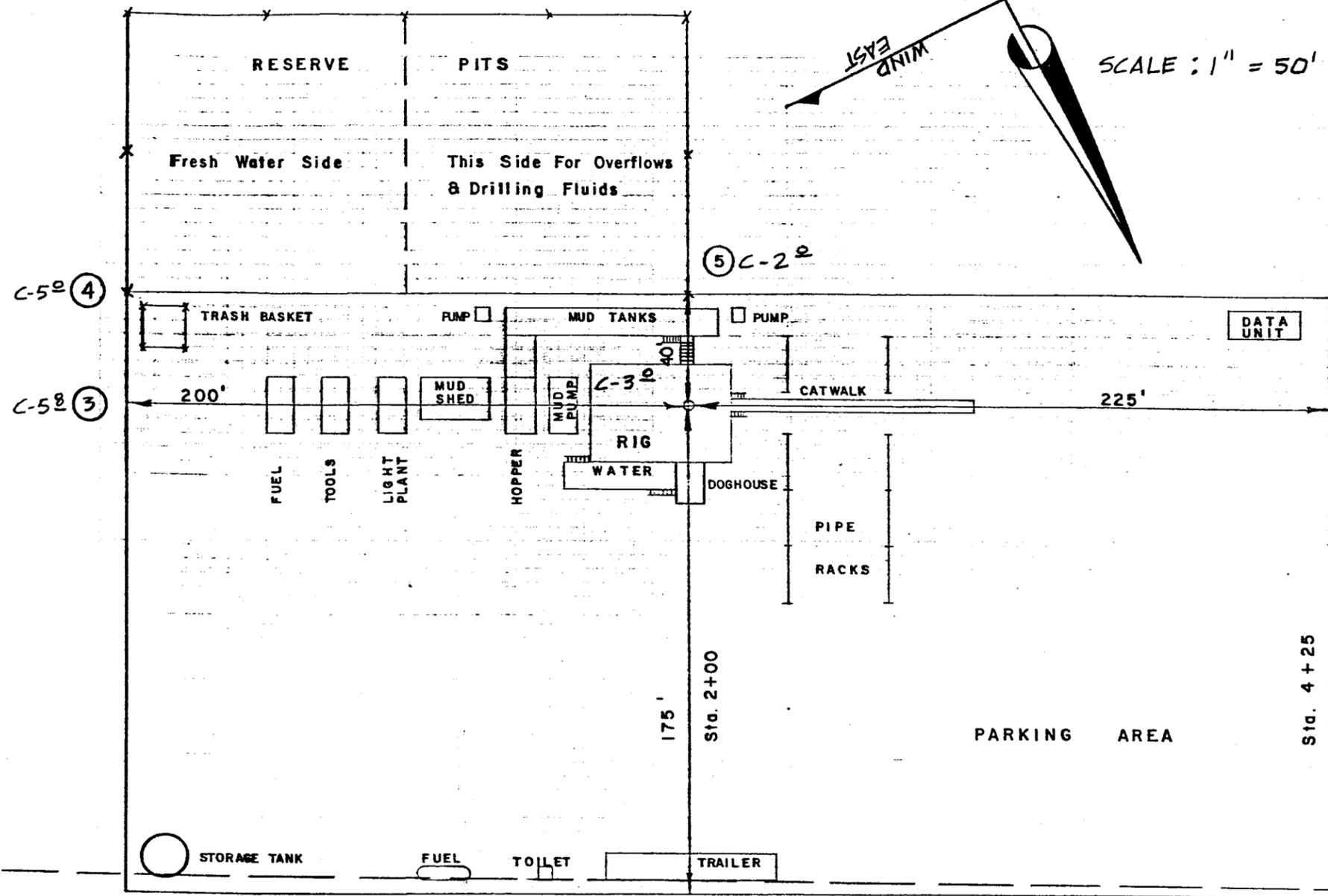


North View Belco 57-29  
Sec. 29, T.9 S., R.23 E.

8/22

# BELCO PETROLEUM CORP.

CHAPITA WELLS # 57-29



1" = 10'

1" = 50'

SCALES	APPROXIMATE YARDAGES
1" = 50'	Cubic Yards Cut - 9,458
1" = 50'	Cubic Yards Fill - 8,636

Cubic Yards Cut - 9,458

Cubic Yards Fill - 8,636

BELCO PETROLEUM CORP.  
PROPOSED LOCATION  
CHIPITA WELLS #57-29

TOPO. MAP "B"



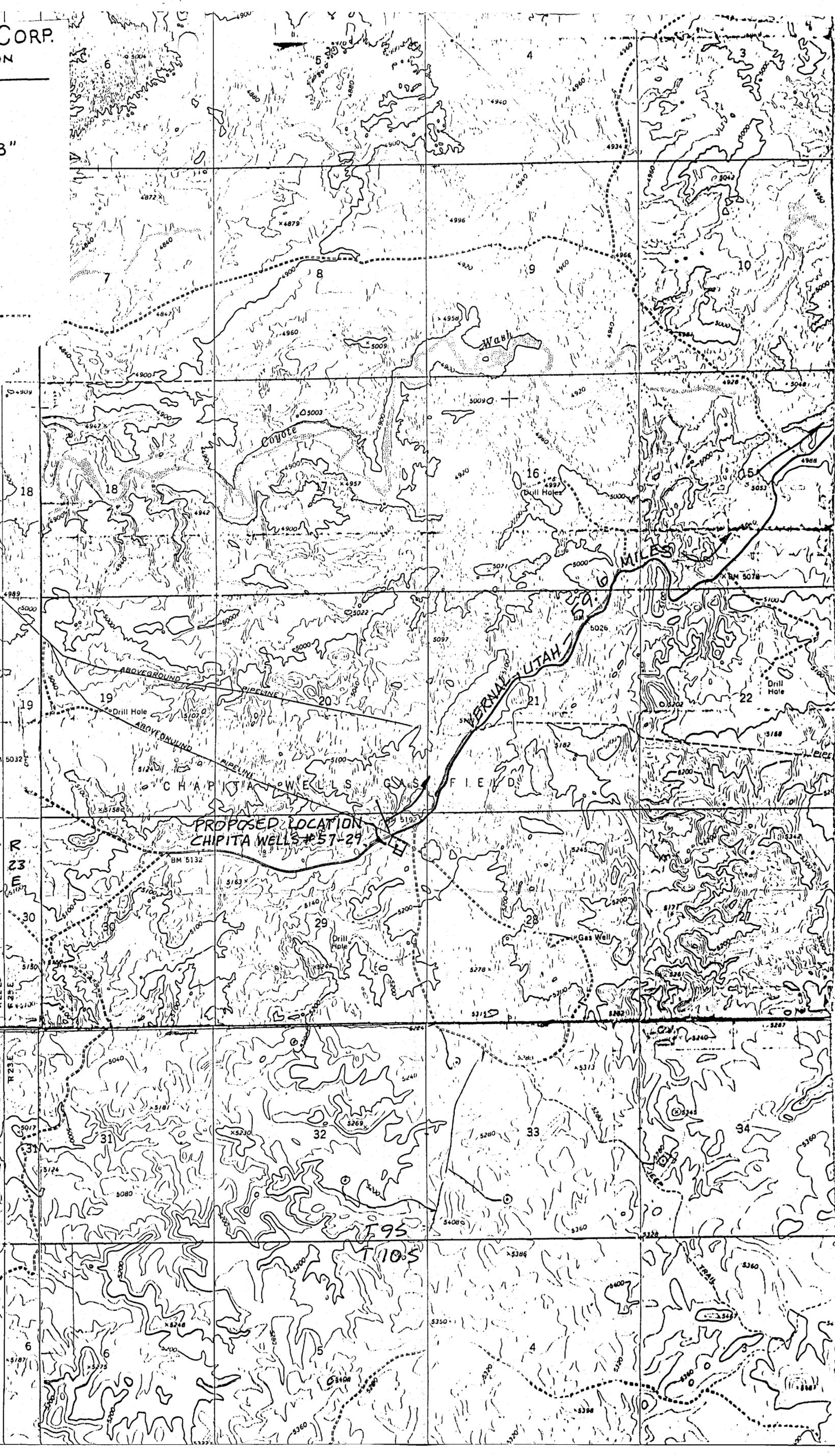
SCALE - 1" = 2000'

ROAD CLASSIFICATION

Light-duty Unimproved dirt



QUADRANGLE LOCATION



PROPOSED LOCATION  
CHIPITA WELLS #57-29

CHIPITA WELLS GAS FIELDS

VERNAL UTAH

WASH COULE

WASH

R 22 E

R 23 E

T 9 S

T 10 S

0 1 MILES

\*\* FILE NOTATIONS \*\*

DATE: July 21, 1980

OPERATOR: Balco

WELL NO: CHU 57-29

Location: Sec. 29 T. 9S R. 23E County: Uintah

File Prepared:

Entered on N.I.D:

Card Indexed:

Completion Sheet:

API Number 43-047-30748

CHECKED BY:

Petroleum Engineer: M.S. Minder 7-25-80

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 2d

Plotted on Map

Hot Line

Approval Letter Written

P.I.

Unit

July 30, 1980

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

RE: Well No. CWU #57-29, Sec. 29, T. 9S, R. 23E., Uintah County, Utah  
Well No. CWU #55-20, Sec. 20, T. 9S, R. 23E., Uintah County, Utah

Insofar as this office is concerned, approval to drill the above referred to oil wells is hereby granted in accordance with Section 40-6-11, Utah Code Annotated 1953; and predicated on Rule A-3, General Rules and Regulations and Rules of Practice and Procedure.

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

MICHAEL T. MINDER - Petroleum Engineer  
Office: 533-5771  
Home: 376-3001

Enclosed please find Form OGC-8-X, which is to be completed whether or not water sands (aquifers) are encountered during drilling contractor and rig number be identified.

The API numbers assigned to these wells are #57-29: 43-047-30748;  
#55-20: 43-047-30747.

Sincerely,

DIVISION OF OIL, GAS AND MINING

Cleon B. Feight  
Director

/bh

cc: USGS



# United States Department of the Interior

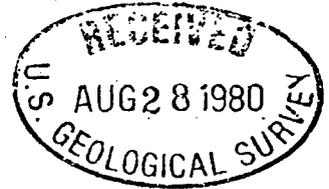
IN REPLY REFER TO

BUREAU OF LAND MANAGEMENT

VERNAL DISTRICT OFFICE  
170 South 500 East  
Vernal, Utah 84078

T & R  
U-802

August 26, 1980



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

Re: Belco Petroleum Corp.  
Chapita Wells Unit  
Well #58-19, Utah-0337  
Sec. 19, T9S, R23E;  
Well #57-29, Utah-0337  
Sec. 29, T9S, R23E;  
Well #56-29, Utah-0337  
Sec. 29, T9S, R23E;  
Well #55-20, Utah-0336A,  
Sec. 20, T9S, R23E;  
Uintah County, Utah

Dear Mr. Guynn:

A joint field examination was made on August 22, 1980, of the above referenced well site locations and proposed access roads. 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 Operation Standards for Oil and Gas Exploration and Development."
2. Traveling off access road rights-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. Roads are to be crowned and bar ditched where needed.
3. Topsoil will be stockpiled as addressed in the applicant's 13 Point Plan. The BLM recommends that the top 4-6 inches of topsoil materials be stockpiled at the sites. Topsoil must be stockpiled separately from excess cut material.



**RECEIVED**

OCT 27 1930

DIVISION OF  
OIL, GAS & MINING

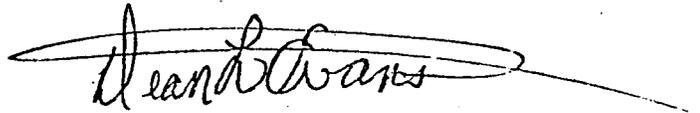
4. The BLM must be contacted a least 24 hours prior to any construction activities.
5. The BLM will be contacted at least 24 hours prior to any rehabilitation activities. The operator may be informed of any additional needed seeding and restoration requirements.
6. In the event that oil storage tanks 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. At well #58-19 the topsoil will be stored at the north east corner of the pad.
9. The SE corner of well #57-29's reserve pit and the NW corner of well #55-20's reserve pit will be rounded off in order to conform to the topography. Reserve pits must be kept safely away from erosion dangers.

An archaeological study has been conducted by Archaeological-Environmental Research Corporation. No cultural resources were located at any of the proposed sites.

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

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

Sincerely,



Dean L. Evans  
Area Manager  
Bookcliffs Resource Area

cc: USGS, Vernal

U. S. GEOLOGICAL SURVEY - CONSERVATION DIVISION

FROM : DISTRICT GEOLOGIST,           , SALT LAKE CITY, UTAH

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

SUBJECT: APD MINERAL EVALUATION REPORT

LEASE NO. U-0337

OPERATOR: BELCO PETROLEUM

WELL NO. CWU 57-29

LOCATION: 1/2 NE 1/2 E 1/2 sec. 29, T. 9S, R. 23E,

UINTAH County, UTAH

1. Stratigraphy: PROPOSED ESTIMATE FOR TOP OF MESA VERDE PROBABLY IN ERROR  
ON THE BASIS OF P.T. CARDS AND ISOPACH MAPS, THE FOLLOWING ELEVATIONS  
ARE PROPOSED:

GREEN RIVER 1352 FT  
WASATCH 4352 FT  
MESA VERDE 6622 FT.

2. Fresh Water: FRESH WATER EXPECTED THROUGHOUT UINTA. BIRDS NEST AND  
DOUGLAS CREEK AQUIFERS GENERALLY USEABLE, OCCURRING ABOVE AND  
BELOW THE MAHOGANY OIL SHALE, RESPECTIVELY.

3. Leasable Minerals:

MAHOGANY SHALE MAY BE ENCOUNTERED AT ~2400 FT  
DEPTH. 1900-2400 FT. DEPTH, POSSIBILITY OF  
EVAPORITE DEPOSITS.

4. Additional Logs Needed:

5. Potential Geologic Hazards:

6. References and Remarks: P.T. CARDS, T9S, R23E SEC 29, 28, 24  
UINTA BASIN 1957 P106 ISOPACH MAP.

Signature: Fanny Richardson

Date: Jul, 24, 1980

Memorandum

*Greg*

To: District Oil and Gas Engineer, Mr. Edward Guynn

From: Mining, Supervisor, Mr. Jackson W. Moffitt

Subject: Application for Permit to Drill (form 9-331c) Federal oil and gas lease No. K-0337 Well No. CWU-57-29

1. The location appears potentially valuable for:

strip mining\*

underground mining\*\* *oil shale*

has no known potential.

2. The proposed area is

under a Federal lease for \_\_\_\_\_ under the jurisdiction of this office.

not under a Federal lease under the jurisdiction of this office.

Please request the operator to furnish resistivity, density, Gamma-Ray, or other appropriate electric logs covering all formations containing potentially valuable minerals subject to the Mineral Leasing Act of 1920.

\*If location has strip mining potential:

Surface casing should be set to at least 50 feet below the lowest strip minable zone at \_\_\_\_\_ and cemented to surface. Upon abandonment, a 300-foot cement plug should be set immediately below the base of the minable zone.

\*\*If location has underground mining potential:

The minable zones should be isolated with cement from a point 100 feet below the formation to 100 feet above the formation. Water-bearing horizons should be cemented in like manner. Except for salines or water-bearing horizons with potential for mixing aquifers, a depth of 4,000 feet has been deemed the lowest limit for cementing.

Signed

*Allen J. Vance*



SCOTT M. MATHESON  
Governor

OIL, GAS, AND MINING BOARD

GORDON E. HARMSTON  
*Executive Director,*  
NATURAL RESOURCES

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS, AND MINING  
1588 West North Temple  
Salt Lake City, Utah 84116  
(801) 533-5771

CHARLES R. HENDERSON  
*Chairman*

CLEON B. FEIGHT  
*Director*

JOHN L. BELL  
C. RAY JUVELIN  
THADIS W. BOX  
MAXILIAN A. FARBMAN  
EDWARD T. BECK  
E. STEELE McINTYRE

*April 3, 1981*

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

Re: SEE ATTACHED SHEET

*Gentlemen:*

*In reference to aboved mentioned wells, considerable time has gone by since approval was obtained form this office.*

*This office has not recieved 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 we do not hear from your company-within fifteen (15) days, we will assume you do not intend to drill these wells and action will be taken to terminate the application.) If you plan on drilling these location at a later date, please notify as such.*

*Your prompt attention to the above will be greatly appreciated.*

*Very truly yours,*

DIVISION OF OIL, GAS, AND, MINING

SANDY BATES  
CLERK-TYPIST

ATTACHED SHEET

1. Well No. Chapita Wells #50-32  
Sec. 32, T. 9S. R. 23E.  
Uintah County, Utah
2. Well No. Chapita Wells #51-32  
Sec. 32, T. 9S. R. 23E.  
Uintah County, Utah
3. Well No. Chapita Wells #54-34  
Sec. 34, T. 9S. R. 23E.  
Uintah County, Utah
4. Well No. Chapita Wells #55-20  
Sec. 20, T. 9S. R. 23E.  
Uintah County, Utah
5. Well No. Chapita Wells #57-29  
Sec. 29, T. 9S. R. 23E.  
Uintah County, Utah
6. Well No. Duck Creek #19-16GR  
Sec. 16, T. 9S. R. 20E.  
Uintah County, Utah
7. Well No. Duck Creek #21-9  
Sec. 9, T. 9S. R. 20E.  
Uintah County, Utah
8. Well No. Duck Creek #22-9GR  
Sec. 9, T. 9S. R. 20E.  
Uintah County, Utah
9. Well No. Duck Creek #23-16GR  
Sec. 16, T. 9S. R. 20E.  
Uintah County, Utah
10. Well No. Duck Creek #25-17GR  
Sec. 17, T. 9S. R. 20E.  
Uintah County, Utah
11. Well No. Duck Creek #26-8GR  
Sec. 8, T. 9S. R. 20E.  
Uintah County, Utah
12. Well No. Duck Creek #27-9GR  
Sec. 9, T. 9S. R. 20E.  
Uintah County, Utah
13. Well No. Duck Creek #28-9GR  
Sec. 9, T. 9S. R. 20E.  
Uintah County, Utah
14. Well No. Duck Creek #29-9GR  
Sec. 9, T. 9S. R. 20E.  
Uintah County, Utah
15. Well No. Duck Creek 30-9GR  
Sec. 9, T. 9S. R. 29E.  
Uintah County, Utah
16. Well No. Duck Creek #34-17GR  
Sec. 17, T. 9S. R. 20E.  
Uintah County, Utah
17. Well No. Natural Duck #12-21GR  
Sec. 21, T. 9S. R. 20E.  
Uintah County, Utah
18. Well No. Natural Duck #13-21GR  
Sec. 21, T. 9S. R. 20E.  
Uintah County, Utah
19. Well No. North Duck Creek 38-30GR  
Sec. 30, T. 8S. R. 21E.  
Uintah County, Utah
20. Well No. Stagecoach 16-26  
Sec. 26, T. 8S. R. 21E.  
Uintah County, Utah

ATTACHED SHEET

1. Well No. Chapita Wells #50-32  
Sec. 32, T. 9S. R. 23E.  
Uintah County, Utah  
~~TERMINATE 5-29-81~~

2. Well No. Chapita Wells #51-32  
Sec. 32, T. 9S. R. 23E.  
Uintah County, Utah  
~~TERMINATE 5-29-81~~

3. Well No. Chapita Wells #54-34  
Sec. 34, T. 9S. R. 23E.  
Uintah County, Utah  
~~USGS APPROVED UNTIL 9-16-81~~

4. Well No. Chapita Wells #55-20  
Sec. 20, T. 9S. R. 23E.  
Uintah County, Utah  
~~USGS APPROVED UNTIL 10-23-81~~

5. Well No. Chapita Wells #57-29  
Sec. 29, T. 9S. R. 23E.  
Uintah County, Utah  
~~USGS APPROVED UNTIL 10-23-81~~

6. Well No. Duck Creek #19-16GR  
Sec. 16, T. 9S. R. 20E.  
Uintah County, Utah  
~~TERMINATE 4-24-81~~

7. Well No. Duck Creek #21-9  
Sec. 9, T. 9S. R. 20E.  
Uintah County, Utah  
~~TERMINATE 4-24-81~~

8. Well No. Duck Creek #22-9GR  
Sec. 9, T. 9S. R. 20E.  
Uintah County, Utah  
~~USGS APPROVED UNTIL 11-3-81~~

9. Well No. Duck Creek #23-16GR  
Sec. 16, T. 9S. R. 20E.  
Uintah County, Utah  
~~USGS APPROVED UNTIL 11-3-81~~

10. Well No. Duck Creek #25-17GR  
Sec. 17, T. 9S. R. 20E.  
Uintah County, Utah  
~~USGS APPROVED UNTIL 11-12-81~~

11. Well No. Duck Creek #26-8GR  
Sec. 8, T. 9S. R. 20E.  
Uintah County, Utah  
~~USGS APPROVED UNTIL 10-22-80~~

12. Well No. Duck Creek #27-9GR  
Sec. 9, T. 9S. R. 20E.  
Uintah County, Utah  
~~USGS APPROVED UNTIL 3-12-82~~

13. Well No. Duck Creek #28-9GR  
Sec. 9, T. 9S. R. 20E.  
Uintah County, Utah  
~~USGS APPROVED UNTIL 3-12-82~~

14. Well No. Duck Creek #29-9GR  
Sec. 9, T. 9S. R. 20E.  
Uintah County, Utah  
~~USGS APPROVED UNTIL 3-12-82~~

15. Well No. Duck Creek 30-9GR  
Sec. 9, T. 9S. R. 29E.  
Uintah County, Utah  
~~USGS APPROVED UNTIL 3-12-82~~

16. Well No. Duck Creek #34-17GR  
Sec. 17, T. 9S. R. 20E.  
Uintah County, Utah  
~~USGS APPROVED UNTIL 9-19-80~~

17. Well No. Natural Duck #12-21GR  
Sec. 21, T. 9S. R. 20E.  
Uintah County, Utah  
SPUDED 4-3-81

18. Well No. Natural Duck #13-21GR  
Sec. 21, T. 9S. R. 20E.  
Uintah County, Utah  
USGS APPROVAL SHOULD ARRIVE THIS WEEK

19. Well No. North Duck Creek 38-30GR  
Sec. 30, T. 8S. R. 21E.  
Uintah County, Utah  
~~USGS APPROVED UNTIL 11-3-81~~

20. Well No. Stagecoach 16-26  
Sec. 26, T. 8S. R. 21E.  
Uintah County, Utah  
TERMINATED 10-7-80

Conservation Division  
2040 Administration Building  
1745 West 1700 South  
Salt Lake City, Utah 84104-3884

November 10, 1981

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

Re: Return Application for  
Permit to Drill  
Well No. 57-29  
Section 29, T. 96, R. 23E.  
Uintah County, Utah  
Lease No. U-6337

Well No. 54-34  
Section 34, T. 96., R. 23E.  
Uintah County, Utah  
Lease No. U-37943

Gentlemen:

The Application for Permit to Drill the referenced wells were approved October 23, 1980 and September 16, 1980 respectively. Since that date no known activity has transpired at the approved locations. Under current District policy, application's 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 on a future date a new application 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 is to be rehabilitated. A schedule for this rehabilitation must, then be submitted. Your cooperation in this matter is appreciated.

Sincerely,

(ORIG. SGD.) W. P. MARTENS

*Sol*  
W. W. Gwynn  
District Oil and Gas Supervisor

bcc: DCM, CR, O&G, Denver  
BLM-Vernal  
State Office (O&G)  
State Office (BLM)  
BLM-Vernal  
APD Control

RAH/TM/tm