

UTAH OIL AND GAS CONSERVATION COMMISSION

2

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

Application resubmitted 12-19-85

DATE FILED 10-5-83

LAND: FEE & PATENTED _____ STATE LEASE NO. _____ PUBLIC LEASE NO. U-01304 INDIAN _____

DRILLING APPROVED: 10-7-83 GAS

SPUDDED IN: _____

COMPLETED: _____ PUT TO PRODUCING: _____

INITIAL PRODUCTION: _____

GRAVITY A.P.I. _____

GOR: _____

PRODUCING ZONES: _____

TOTAL DEPTH: _____

WELL ELEVATION: _____

DATE ABANDONED: LA 12-19-85

FIELD: NATURAL BUTTES 3/86

UNIT: CHAPITA WELLS UNIT

COUNTY: UINTAH

WELL NO. CHAPITA WELLS UNIT # 235-6 API # 43-047-31394

LOCATION 1363' FSL FT. FROM (N) (S) LINE. 1032' FEL FT. FROM (E) (W) LINE. NE SE 1/4 - 1/4 SEC 6

TWP.	RGE.	SEC.	OPERATOR	TWP.	RGE.	SEC.	OPERATOR
9S	23E	6	BELCO DEVELOPMENT CORP.				

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

10

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-01304
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
2. NAME OF OPERATOR BELCO DEVELOPMENT CORPORATION		7. UNIT AGREEMENT NAME CHAPITA WELLS UNIT
3. ADDRESS OF OPERATOR P.O. BOX X, VERNAL, UTAH 84078		8. FARM OR LEASE NAME
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)* At surface 1032' FEL & 1363' FSL NE/SE At proposed prod. zone Same		9. WELL NO. 235-6
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 19.5 Southeast of Ouray, Utah		10. FIELD AND POOL, OR WILDCAT CWU - Wasatch
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 1032' CWU Boundary	16. NO. OF ACRES IN LEASE 2451.31	11. SEC., T., R., M., OR BLE. AND SURVEY OR AREA SEC 6, T9S, R28E
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.	19. PROPOSED DEPTH 7100'	12. COUNTY OR PARISH JUNTAH
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 4882' NATURAL UNGRADED GROUND LEVEL	20. ROTARY OR CABLE TOOLS ROTARY	13. STATE UTAH
22. APPROX. DATE WORK WILL START* NOVEMBER 1, 1983		

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17 1/2"	13 3/8"	54.5# K-55	+200'	200 sx class "G" cement
7 7/8"	4 1/2"	11.6# K-55	+6900'	Min 900 sx 50-50 poz-mix

Cmt will be sufficient to protect all productive zones, oil shale & any water.

SEE ATTACHMENTS FOR:

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



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. Paul TITLE DISTRICT ENGINEER DATE 10-4-83

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____
APPROVED BY L. H. Ferguson TITLE DISTRICT MANAGER DATE 11/28/83
CONDITIONS OF APPROVAL, IF ANY _____

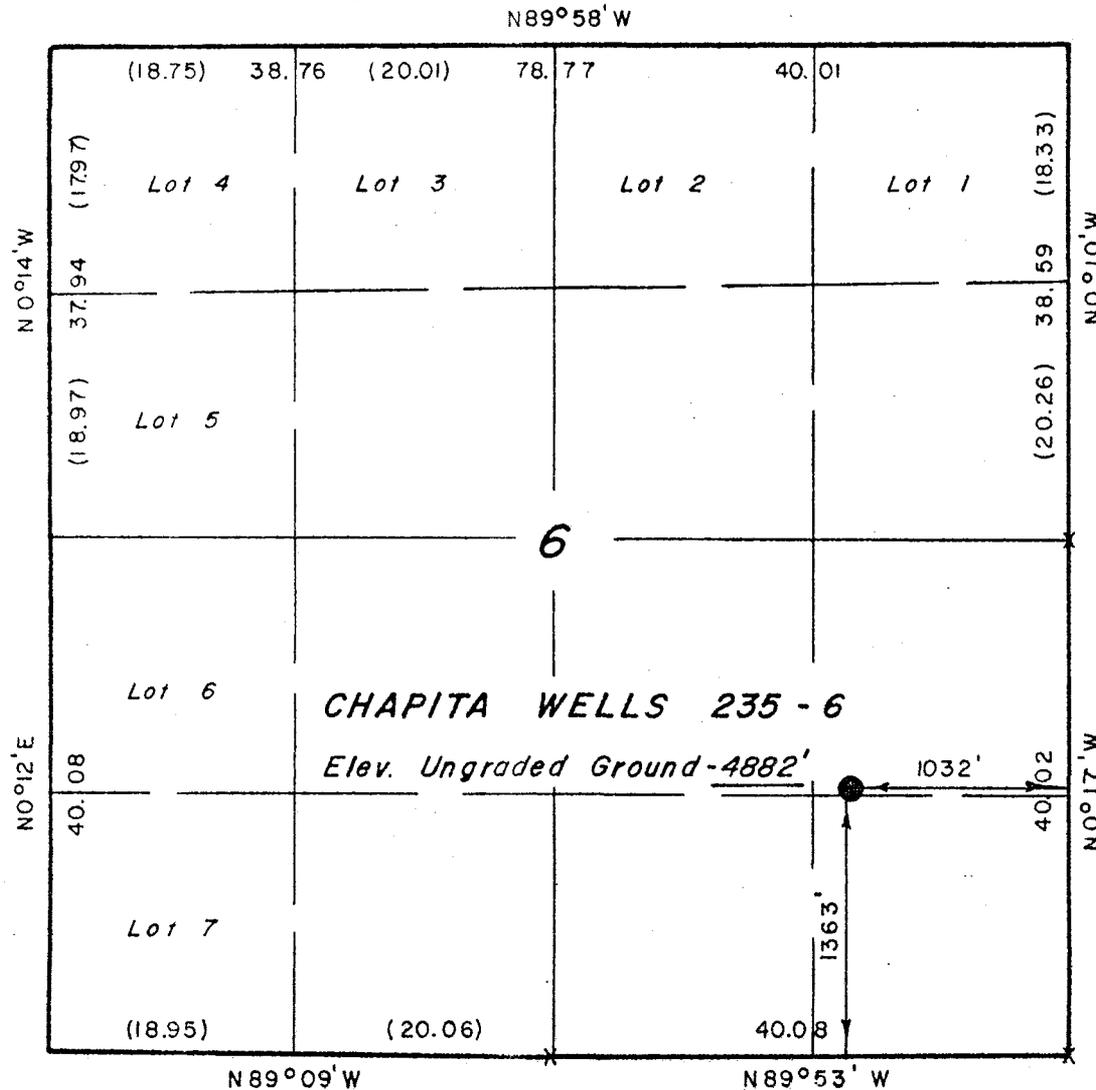
NOTICE OF APPROVAL

CONDITIONS OF APPROVAL ATTACHED TO OPERATOR'S COPY.

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

PROJECT
BELCO PETROLEUM CORP.

Well location, *CHAPITA WELLS*
235-6, located as shown in the
NE 1/4 SE 1/4 Section 6, T9S,
R 23E, 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

Richard J. Smith

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	9/27/83
PARTY	LDT TJ DK SB	REFERENCES	GLO Plat
WEATHER	Warm	FILE	BELCO

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
 1032' FEL & 1363' FSL NE/SE
 At proposed prod. zone
 Same

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
 19.5 Southeast of Ouray, Utah

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 1032' CWU Boundary

16. NO. OF ACRES IN LEASE
 2451.31

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.
 7100' *wasatch*

19. PROPOSED DEPTH
 7100'

20. ROTARY OR CABLE TOOLS
 ROTARY

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
 4882' NATURAL UNGRADED GROUND LEVEL

22. APPROX. DATE WORK WILL START*
 NOVEMBER 1, 1983

5. LEASE DESIGNATION AND SERIAL NO.
 U-01304

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME
 CHAPITA WELLS UNIT

8. FARM OR LEASE NAME

9. WELL NO.
 235-6

10. FIELD AND POOL, OR WILDCAT
 NATURAL OILS
 CWU wasatch

11. SEC., T., E., M., OR BLE. AND SURVEY OR AREA
 SEC 6, T9S, R22E 23E

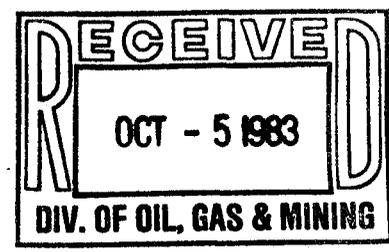
12. COUNTY OR PARISH | 13. STATE
 HINTAH | UTAH

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
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Cmt will be sufficient to protect all productive zones, oil shale & any water.

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24. SIGNED *J. P. Bell* TITLE DISTRICT ENGINEER DATE 10-4-83

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

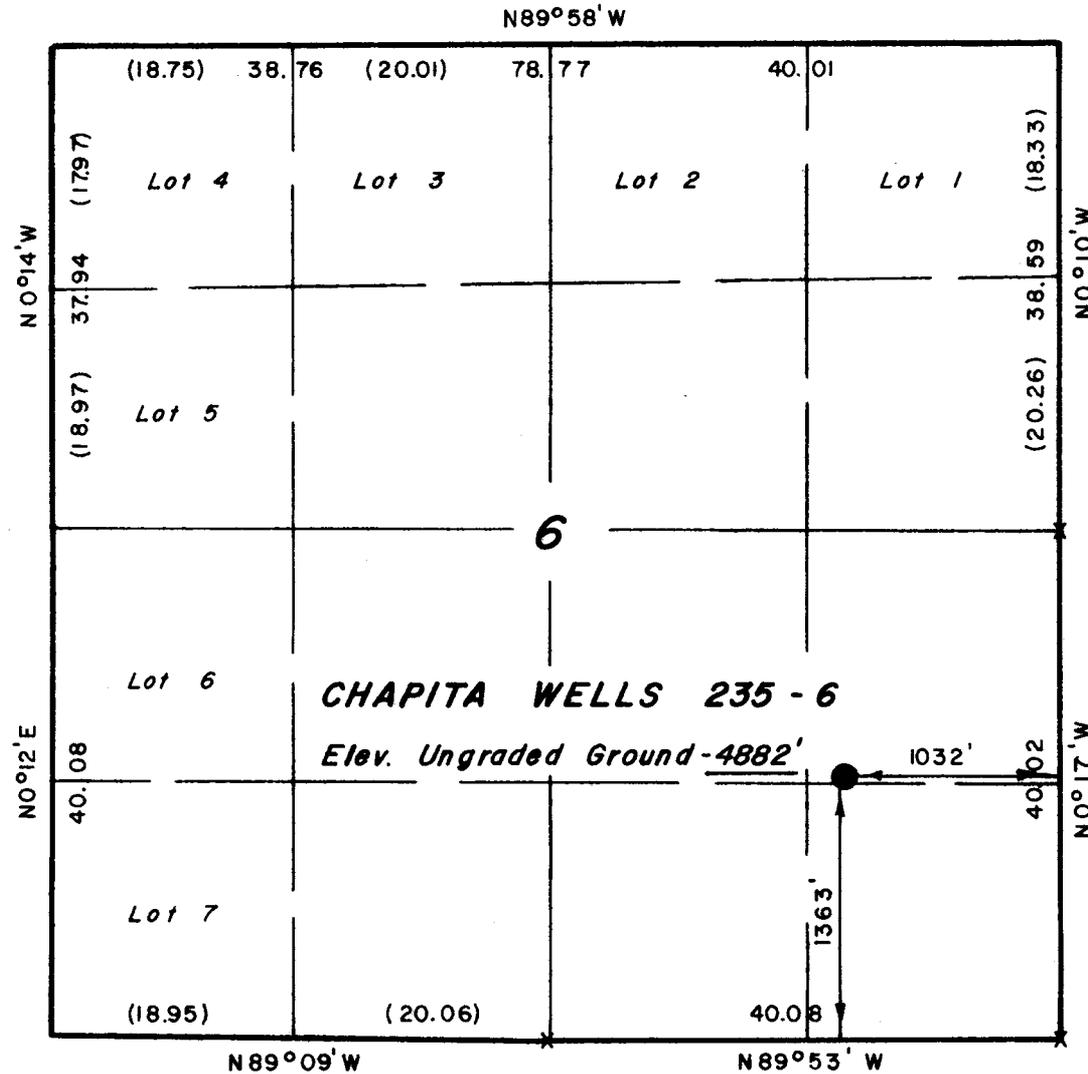
APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

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

PROJECT
BELCO PETROLEUM CORP.

Well location, *CHAPITA WELLS 235-6*, located as shown in the NE1/4 SE1/4 Section 6, T9S, R23E, 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.

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 9/27/83
PARTY LDT TJ DK SB	REFERENCES GLO Plat
WEATHER Warm	FILE BELCO

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	1590'
✓ Wasatch	4890'

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

Green River	1590-4889'	Oil shale Zone
Wasatch	4889-6900'	Possible Gas ✓

4. PROPOSED CASING PROGRAM

13 3/8" 54.5# K-55 csg set @+200', cmted to surface w/200 sx class "G" cement.

4 1/2" 11.6# K-55 csg set @+6900', 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 Dll, 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.

CHAPITA WELLS UNIT 235-6
13 POINT SURFACE USE PLAN

1. EXISTING ROADS

The proposed wellsite is located 1032' FEL & 1363' FSL, NE/SE Section 6, T9S, R23E, Uintah County, Utah. This location is approximately 19.5 miles east of Ouray, Utah. Refer to the attached Topo Maps for directions to the wellsite. Access to the proposed well will be over existing county roads and Belco's planned access road. Traveling will be restricted to these roads only. See attached maps for all roads within this vicinity.

2. PLANNED ACCESS ROAD

See attached Topo Map "B" for details of access road. The access road will be a minimum 18' crown road with ditches along either side where it is determined necessary to handle runoff. Maximum disturbed area will not exceed 24'. There will be no need for turnoffs so the disturbed area can be kept to a minimum. Maximum grade of this proposed access road will not exceed 3%. No fences will be crossed, therefore no cattle guards will be needed. Surfacing material will be of the native borrow from the cut area. No other materials for construction are anticipated at this time.

3. LOCATION OF EXISTING WELLS

See the attached area well map for locations of all wells in this vicinity.

4. LOCATION OF EXISTING AND PROPOSED FACILITIES

Existing production facilities within one mile of the proposed well are the tank batteries and production equipment for the surrounding wells. There are no wells within a one mile radius of this proposed location. Mtn Fuels pipeline runs north & east of this location approximately 1 mile. The attached diagram "A" shows the proposed production facilities to be utilized should this well produce gas. All production equipment owned and controlled by Belco will be kept off the pad. Production tanks shall be painted a flat, non-reflective, earth tone color that will blend with the environment. Construction materials will be of 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 the disposal pit during the drilling and completion phases of the well. When these pits are no longer needed or within 90 days, they will be allowed to dry and then covered over with native borrow material and rehabilitated to conform with the surrounding area. 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 producing operations will be recontoured to conform with the natural grade and rehabilitated as per surface owners specifications.

5. LOCATION AND TYPE OF WATER SUPPLY

Water for the drilling of this well will be obtained from the White River at a point near the Mountain Fuel bridge in Section 17, T9S, R22E of Uintah County, Utah. Water will be hauled by truck over existing county roads and Belco's planned access road. No new roads will be needed for this purpose. No pipelines will be needed, no water well drilled. No produced water is anticipated. A permit for use of this water will be obtained from the Ute Tribe prior to starting drilling operations.

6. SOURCE OF CONSTRUCTION MATERIALS

All construction materials for this location and access road will be of native borrow and soil accumulated during the construction of the location. No additional materials are anticipated at this time.

7. METHODS OF HANDLING WASTE DISPOSAL

Drill cuttings, drilling fluids, salts, chemicals and produced fluids will be disposed of in the reserve pit on the location pad. This reserve pit will be fully lined and upon completion of the drilling activities will be fenced on the open side to protect all domestic animals and wildlife. This pit will be utilized during the completion phase of the well for storage of produced fluids. A portable toilet will be provided for human waste during the drilling phase of the well. Garbage and other waste materials will be contained in a wire mesh cage and disposed of in an approved waste disposal facility. After the drilling rig moves off the site, all remaining trash and garbage will be collected and hauled away by truck.

8. ANCILLARY FACILITIES

No airstrips or camps are planned for this well.

9. WELLSITE LAYOUT

The attached Location Layout sheet 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 commence no later than 90 days after completion of this well. Completion activities shall last no longer than 90 days. All reserve pits will be allowed to dry then backfilled. Any areas not needed for producing operations will be restored to as near their original contour as is feasible. After production activities have ceased, or if abandonment is required, all drainages rerouted during the construction of the well will be restored to their original line of flow. The location pad and access road will be reshaped; stockpiled topsoil will be redistributed over the area and then the entire area will be reseeded with a seed mixture recommended by the surface management agency at a time of the year when the moisture content of the soil is adequate for seed germination.

11. OTHER INFORMATION

Topography of the general area is relatively flat rolling terrain consisting of clay and stabilized sand dunes. Vegetation in the area is vary sparse, consisting mainly of local weeds and sagebrush. Wildlife is mainly small rodents, reptiles and birds. There are no occupied dwellings in the area. There is no water in the vicinity of the proposed wellsite. All lands concerned with this proposed site are controlled by the Bureau of Land Management with mineral exploration and stock grazing the only apparant surface use activities. A significant archeological find was located along the access road so all construction will be kept along the flagged route and no off road traffic will be allowed.

12. LESSEE REPRESENTATIVE

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

13. CERTIFICATION

I hereby certify that I, or persons under my direct supervision have inspected this drillsite and access road; 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 herein proposed will be performed by Belco Development Corporation, it's contractors and subcontractors in conformity with this plan and the terms and conditions under which is is approved.

DATE 10/4/83

J. C. Ball
District Engineer

BELCO DEVELOPMENT CORPORATION

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

WELL NAME CHAPITA WELLS UNIT 235-6

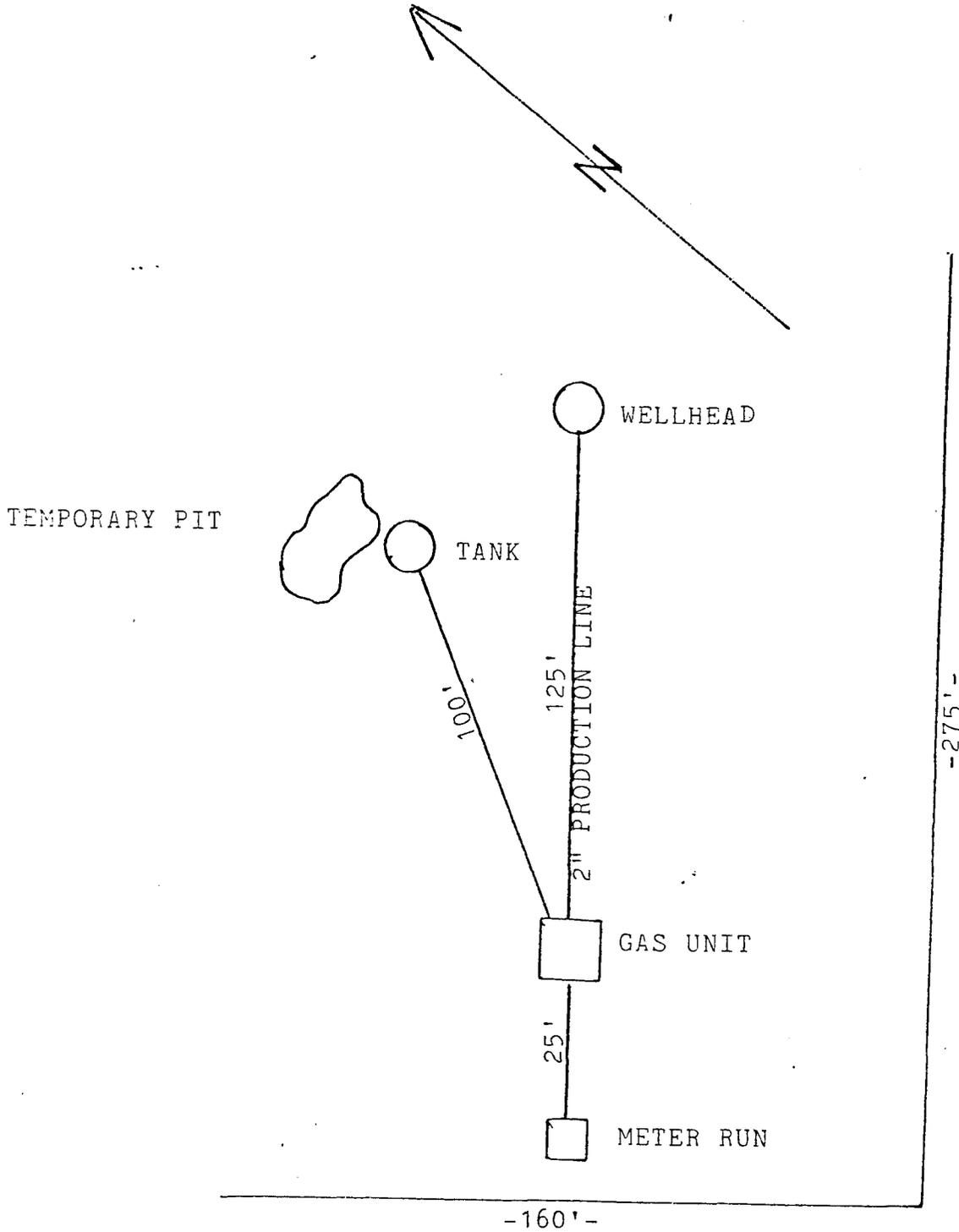
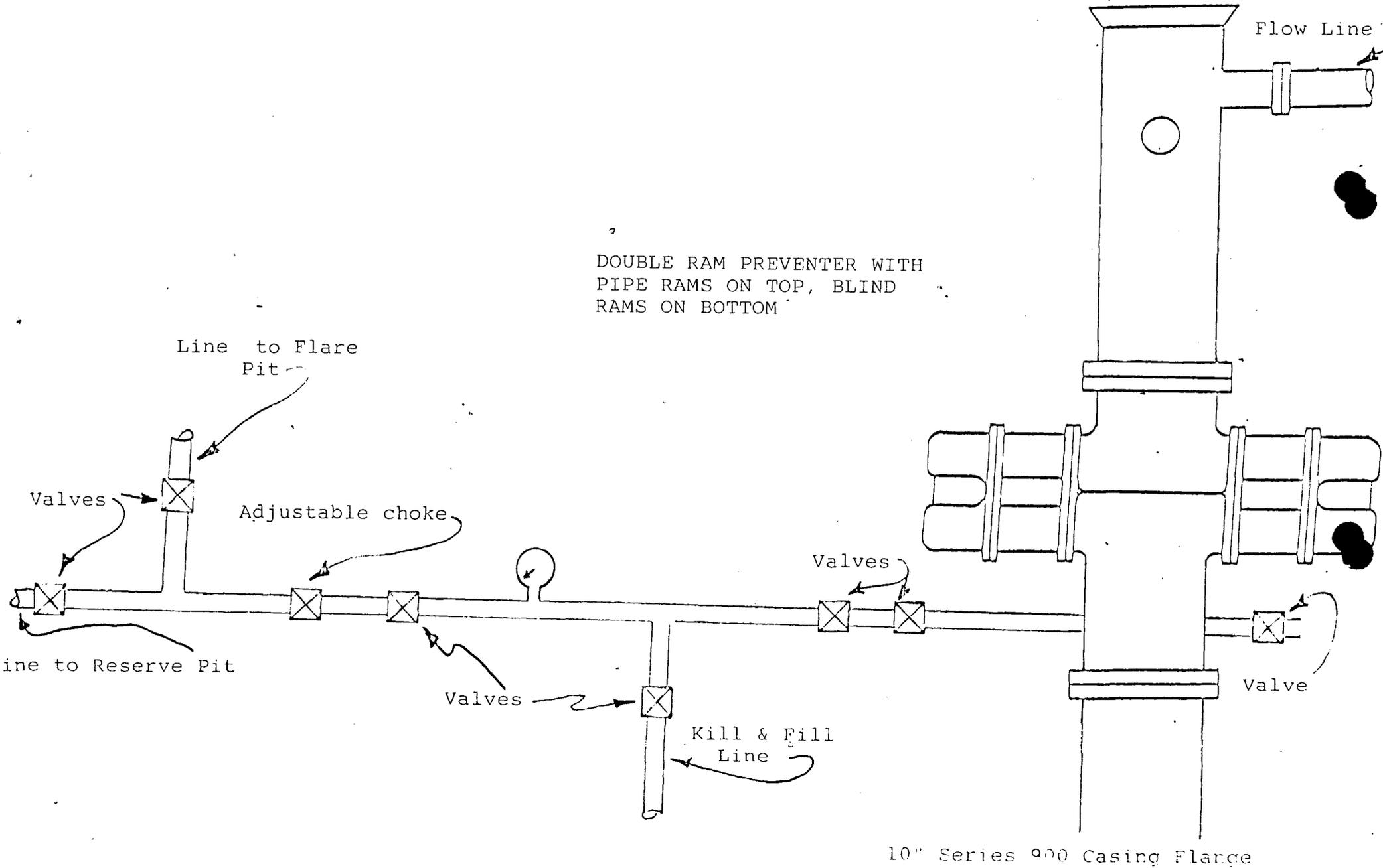


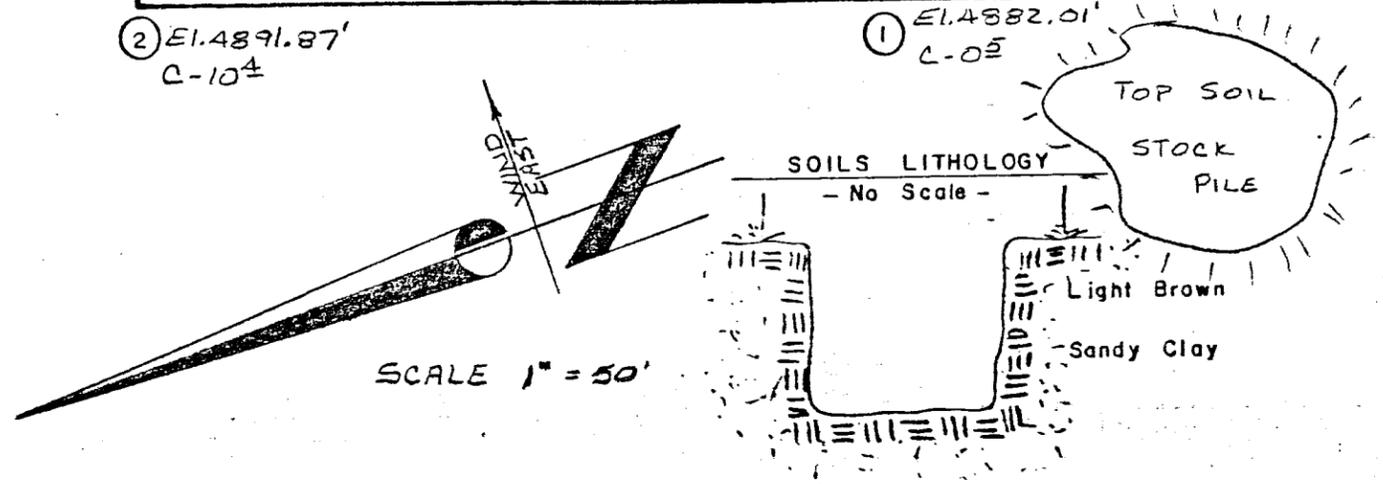
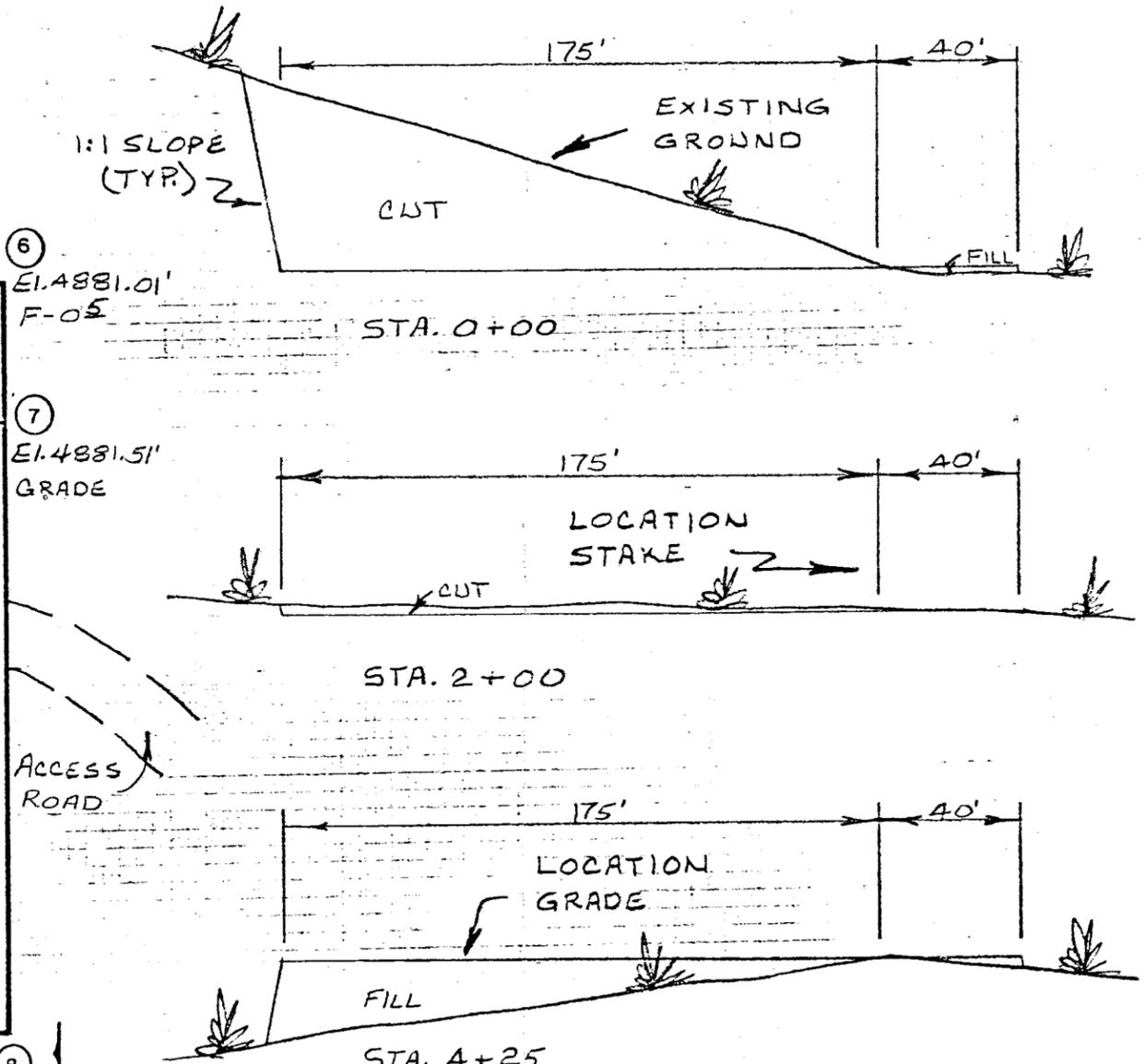
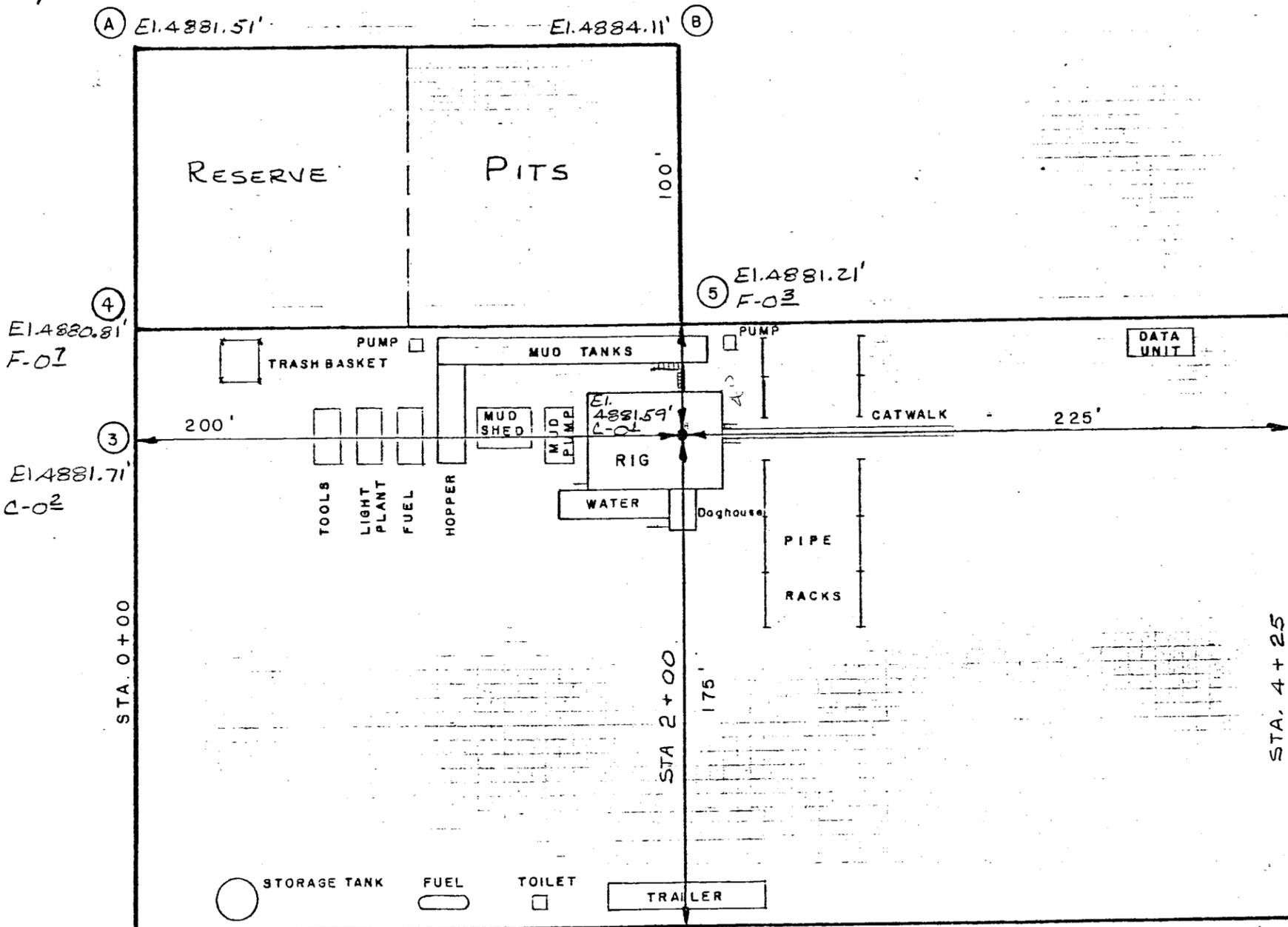
DIAGRAM F
BELCO DEVELOPMENT CORPORATION
BOP DESIGN

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



BELCO PETROLEUM CORP.

CHAPITA WELLS 235-6



1" = 10'

Scales
1" = 50'

APPROXIMATE YARDAGES

Cubic Yards of Cut - 4,402

Cubic Yards of Fill - 1,374

CHAPITA WELLS 235-6
PROPOSED LOCATION

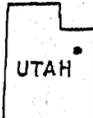
TOPO.

MAP "B"

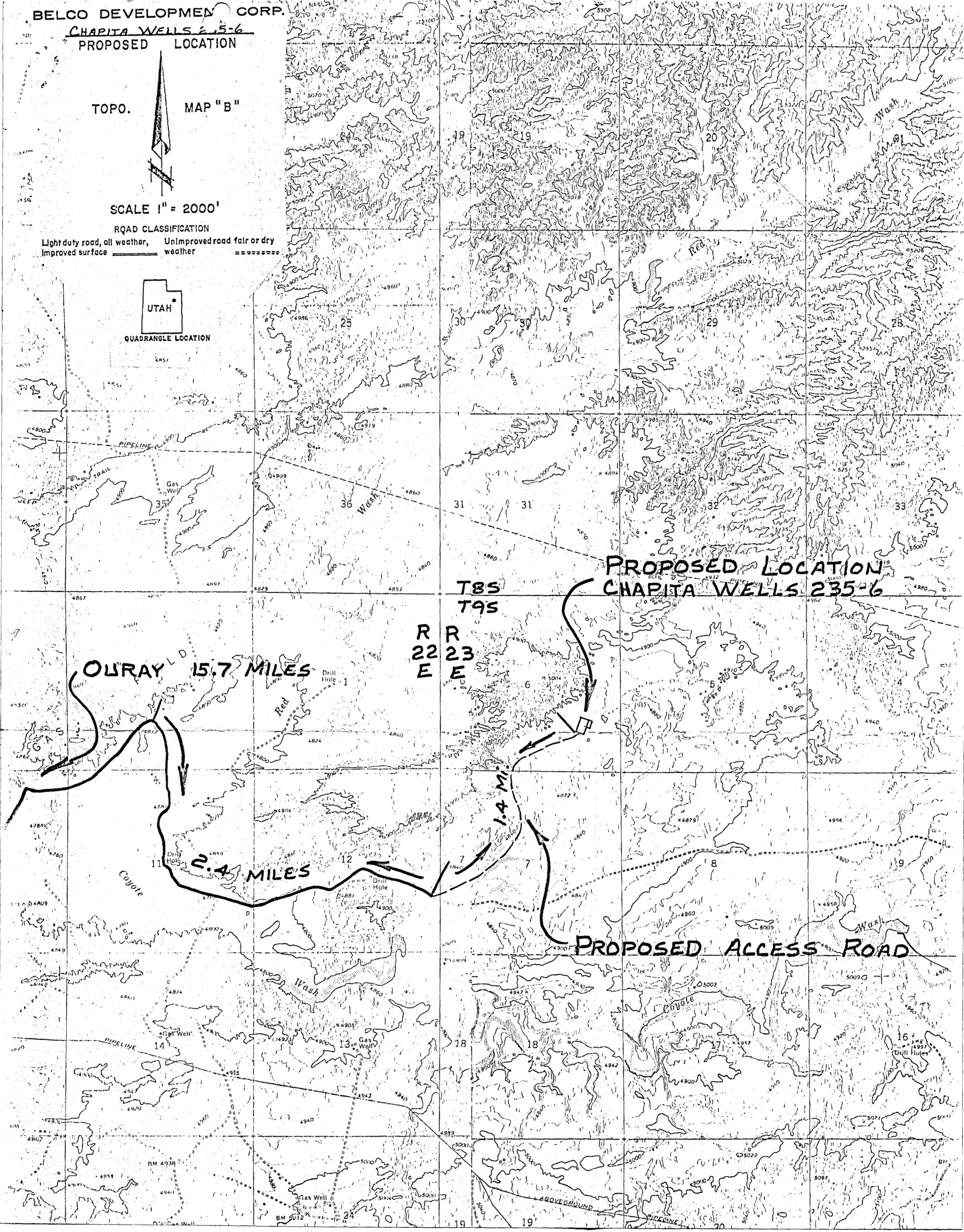
SCALE 1" = 2000'

ROAD CLASSIFICATION

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



QUADRANGLE LOCATION



PROPOSED LOCATION
CHAPITA WELLS 235-6

T8S
T9S
R 22 E
R 23 E

OURAY 15.7 MILES

2.4 MILES

1.4 MI.

PROPOSED ACCESS ROAD

OPERATOR MELCO DEVELOPMENT CORP

DATE 10-7-83

WELL NAME CHAPITA WELLS UNIT 235-6

SEC N 5 E 6 T 9 S R 23 E COUNTY UNITAH

43-047-31394
API NUMBER

FLED
TYPE OF LEASE

POSTING CHECK OFF:

INDEX

MAP

HL

NID

PI

PROCESSING COMMENTS:

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

DATE: 10-7-83

BY: [Signature]

CHIEF PETROLEUM ENGINEER REVIEW:

10/12/83 Unit

APPROVAL LETTER:

SPACING:

A-3 CHAPITA WELLS
UNIT

c-3-a

CAUSE NO. & DATE

c-3-b

c-3-c

SPECIAL LANGUAGE:

WATER

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

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.

October 7, 1983

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

RE: Well No. Chapita Wells Unit # 235-6
NE SE, Sec. 6, T. 9S, R. 23E.
1363' FSL, 1032' FEL
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 Section 40-6-11, Utah Code Annotated 1953; and predicated on Rule A-3, General Rules and Regulations and Rules of Practice and Procedure. Prior to spudding, a copy of the Utah Division of Water Rights (801-533-6071) approval for use of water at the drilling site shall be submitted to this office, otherwise authority to drill this well is void.

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 - 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 43-047-31394.

Sincerely,


Norman C. Stout
Administrative Assistant

NCS/cf
cc: Branch of Fluid Minerals

Enclosures

RECEIVED NOV 07 1983 TEMPORARY APPLICATION TO APPROPRIATE WATER RIGHTS STATE OF UTAH

Application No. 59443

49-1264

NOTE:--The information given in the following blanks should be free from explanatory matter, but when necessary, a complete supplementary statement should be made on the following page under the heading "Explanatory."

For the purpose of acquiring the right to use a portion of the unappropriated water of the State of Utah, for uses indicated by (X) in the proper box or boxes, application is hereby made to the State Engineer, based upon the following showing of facts, submitted in accordance with the requirements of the Laws of Utah.

1. Irrigation Domestic Stockwatering Municipal Power Mining Other Uses

2. The name of the applicant is BELCO DEVELOPMENT CORPORATION

3. The Post Office address of the applicant is P.O. BOX X, VERNAL, UTAH 84078

4. The quantity of water to be appropriated second-feet and/or 16 acre-feet

5. The water is to be used for Gas Exploration from November 1980 to May 1984 (Major Purpose) (Month) (Day) (Month) (Day)

other use period (Minor Purpose) from to (Month) (Day) (Month) (Day)

and stored each year (if stored) from to (Month) (Day) (Month) (Day)

6. The drainage area to which the direct source of supply belongs is (Leave Blank)

7. The direct source of supply is* THE WHITE RIVER (Name of stream or other source)

which is tributary to, tributary to

*Note.--Where water is to be diverted from a well, a tunnel, or drain, the source should be designated as "Underground Water" in the first space and the remaining spaces should be left blank. If the source is a stream, a spring, a spring area, or a drain, so indicate in the first space, giving its name, if named, and in the remaining spaces, designate the stream channels to which it is tributary, even though the water may sink, evaporate, or be diverted before reaching said channels. If water from a spring flows in a natural surface channel before being diverted, the direct source should be designated as a stream and not a spring.

8. The point of diversion from the source is in Uintah County, situated at a point* Center Section 17, T9S, R22E, Uintah County, Utah, (access at the Mountain Fuel Bridge).

*Note.--The point of diversion must be located definitely by course and distance or by giving the distances north or south, and east or west with reference to a United States land survey corner or United States mineral monument, if within a distance of six miles of either, or if at a greater distance, to some prominent and permanent natural object. No application will be received for filing in which the point of diversion is not defined definitely.

9. The diverting and carrying works will consist of Water will be pumped from the river and trucked to the drill sites.

10. If water is to be stored, give capacity of reservoir in acre-feet height of dam area inundated in acres legal subdivision of area inundated

11. If application is for irrigation purposes, the legal subdivisions of the area irrigated are as follows: Total Acres

12. Is the land owned by the applicant? Yes No X If "No," explain on page 2.

13. Is this water to be used supplementally with other water rights? Yes No X If "yes," identify other water rights on page 2.

14. If application is for power purposes, describe type of plant, size and rated capacity.

15. If application is for mining, the water will be used in Mining District at the mine, where the following ores are mined

16. If application is for stockwatering purposes, number and kind of stock watered

17. If application is for domestic purposes, number of persons, or families

18. If application is for municipal purposes, name of municipality

19. If application is for other uses, include general description of proposed uses Water will be used to drill and complete four infill Chapita Wells Unit wells. (235-236-237 & 238)

20. Give place of use by legal subdivision of the United States Land Survey for all uses described in paragraphs 14 to 19, incl. Sections 2, 13, 22 and 16, T9S, R22E, Uintah County, Utah.

21. The use of water as set forth in this application will consume 11.16 second-feet and/or acre-foot of water and None second feet and/ or acre feet will be returned to the natural stream or source at a point described as follows:

EXPLANATORY

The following additional facts are set forth in order to define more clearly the full purpose of the proposed application:

Access to the White River, where it is proposed to obtain water for the drilling and completion of the CWU 235-2, 236-13, 237-22 and 238-16 wells, is on Ute Tribal land. All necessary ROW's will be obtained from the BIA prior to obtaining water.

Lined area for additional explanatory text.

(Use page 4 if additional explanatory is needed.)

The quantity of water sought to be appropriated is limited to that which can be beneficially used for the purpose herein described

Kathy Krutson
Signature of Applicant*

*If applicant is a corporation or other organization, signature must be the name of such corporation or organization by its proper officer, or in the name of the partnership by one of the partners, and the names of the other partners shall be listed. If a corporation or partnership, the affidavit below need not be filled in. If there is more than one applicant, a power of attorney, authorizing one to act for all, should accompany the Application.

DECLARATION OF CITIZENSHIP

STATE OF UTAH,
County of Uintah } ss

On the 2nd day of November, 1983, personally appeared before me, a notary public for the State of Utah, the above applicant who, on oath, declared that he is a citizen of the United States, or has declared his intention to become such a citizen.

My commission expires: 7/29/85

(SEAL)

Bonnie H. Washburn
Notary Public

FEES FOR APPLICATIONS TO APPROPRIATE WATER IN UTAH

Flow rate — c.f.s.	Cost	
0.0 to 0.1	\$ 15.00	
over 0.1 to 0.5	30.00	
over 0.5 to 1.0	45.00	
over 1.0 to 15.0	45.00	plus \$7.50 for each cfs above the first cubic
over 15.0	150.00	foot per second.

Storage — acre-feet	Cost	
0 to 20	22.50	
over 20 to 500	45.00	
over 500 to 7500	45.00	plus \$7.50 for each 500 a.f. above the first
over 7500	150.00	500 acre feet.

(This section is not to be filled in by applicant)

3:15 p.m. **STATE ENGINEER'S ENDORSEMENTS**

1. *11/2/83* Application received by mail ~~over counter~~ in State Engineer's office by *S.A.*
2. Priority of Application brought down to, on account of
3. *11-07-83* Application fee, \$ *15.00*, received by *SG&RFG* Rec. No. *03881*
4. Application microfilmed by Roll No.
5. Indexed by Platted by
6. *11/4/83* Application examined by *R.F.G.*
7. Application returned, or corrected by office
8. Corrected Application resubmitted by mail ~~over counter~~ to State Engineer's office.
9. ~~*11/4/83*~~ Application approved for advertisement by ~~*R.F.G.*~~
10. Notice to water users prepared by
11. Publication began; was completed
Notice published in
12. Proof slips checked by
13. Application protested by
14. Publisher paid by M.E.V. No.
15. Hearing held by
16. Field examination by
17. *11/10/83* Application designated for approval ~~rejection~~ *SG&RFG*
18. *11/10/83* Application copied or photostated by *slm* proofread by
19. *11/10/83* Application approved ~~rejected~~
20. **Conditions:**

This Application is approved, subject to prior rights, as follows:

- a. Actual construction work shall be diligently prosecuted to completion.
- b. Proof of Appropriation shall be submitted to the State Engineer's office by NPR
- c. **TEMPORARY APPROVAL -- EXPIRES May 31, 1984.**

Carl M. Staker
For Dee C. Hansen, P.E., State Engineer

21. Time for making Proof of Appropriation extended to
22. Proof of Appropriation submitted.
23. Certificate of Appropriation, No., issued

Application No. *59443*



BelNorth
Petroleum
Corporation



We work for America.

October 30, 1984

RECEIVED

NOV 01 1984

DIVISION OF OIL
GAS & MINING

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

Subject: Extend APD
Chapita Wells 235-6
Uintah County, Utah

Gentlemen:

Attached is the completed Application for Permit to Drill form #9-331C requesting that we be granted a one year extension for the drilling of the above subject well. All stipulations and conditions under which the original APD was approved will be adhered to.

Very truly yours,

Kathy Knutson
Engineering Clerk

/kk
attachments

cc: Division of Oil, Gas & Mining
Houston
Denver
Reading 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 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
 1032' FEL & 1363' FSL NE/SE
 At proposed prod. zone

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
 19.5 miles Southeast of Ouray, Utah

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 1032'

16. NO. OF ACRES IN LEASE 2451.31

17. NO. OF ACRES ASSIGNED TO THIS WELL 160

18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 7100'

19. PROPOSED DEPTH 7100'

20. ROTARY OR CABLE TOOLS ROTARY

21. ELEVATIONS (Show whether DF, RT, GR, etc.) 4882' NGL

22. APPROX. DATE WORK WILL START* MAY 1985

5. LEASE DESIGNATION AND SERIAL NO.
 U-01304

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME
 CHAPITA WELLS UNIT

8. FARM OR LEASE NAME

9. WELL NO.
 235-6

10. FIELD AND POOL, OR WILDCAT

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
 SEC 6, T9S, ^{13E} R27E

12. COUNTY OR PARISH UTAH

13. STATE UTAH

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17 1/2"	13 3/8"	54.5#	+200'	200 sx class "G" cement
7 7/8"	4 1/2"	11.6#	+6900'	Min 900 sx, sufficient to
			protect	all prod zones, shale & water

BELCO REQUESTS THAT WE BE GRANTED A ONE (1) YEAR EXTENSION OF THIS APPLICATION FOR PERMIT TO DRILL. THIS APD WAS ORIGINALLY SUBMITTED ON OCTOBER 4, 1983 AND APPROVAL WAS GRANTED ON NOVEMBER 28, 1983. BELCO INTENDS TO DRILL THIS WELL DURING 1985. ALL STIPULATIONS AND CONDITIONS UNDER WHICH THE ORIGINAL APD WAS APPROVED WILL STILL APPLY. ALL INFORMATION AS ORIGINALLY SUBMITTED IS STILL VALID.

RECEIVED
NOV 01 1984
DIVISION OF OIL
GAS & MINING

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. Beall TITLE DISTRICT ENGINEER DATE NOV 1, 1984

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY _____ TITLE _____

Federal approval of this action is required before commencing operations.

APPROVED BY THE STATE
OF UTAH DIVISION OF
OIL, GAS, AND MINING
DATE: 11/8/84
BY: J. R. Beall

*See Instructions On Reverse Side



United States Department of the Interior

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

IN REPLY
REFER TO:
T & R
U-802

November 28, 1983

CONDITIONS OF APPROVAL OF PROJECTS

Re: Belco Development
Well #235-6 Chapita Wells Unit
Section 6, T9S, R23E
Uintah County, Utah

1. Travelling 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. Roads will be crowned and properly maintained. Turnouts and bar ditches will be installed where necessary.
2. Burn pits will not be constructed. No trash or garbage will be burned or buried at the well sites.
3. A wire mesh or net type of fence, topped with at least one strand of barbed wire, will be maintained around the reserve pits.
4. The BLM will be contacted at least 24 hours prior to any rehabilitation activities. The operator may be informed of any additional needed seeding requirements.
5. Run adequate electric, sonic, radioactivity and caliper logs to identify prime oil shale zones and fresh water aquifers. Casing and cementing programs will be adjusted to protect oil and gas zones, other minerals and fresh water.
6. Additional stipulations are attached for production facilities.

ADDITIONAL STIPULATIONS FOR PRODUCTION FACILITIES

Your Application for Permit to Drill also included a submittal for production facilities. These production facilities are approved for the lessee and his designated operator under Section 1 of the Oil and Gas Lease with the following conditions:

- (1) The oil and gas measurement facilities must be installed on the well location. The oil and gas meters will be calibrated in place prior to any deliveries. Tests for meter accuracy are to be conducted monthly for the first three months on new meter installations and at least quarterly thereafter. Please provide this office with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports are to be submitted to the Salt Lake City District Oil and Gas Supervisor. Royalty payments will be made on all production volume as determined by the meter measurements or the tank measurements. All measurement facilities must conform with the API standards for liquid hydrocarbons and the AGA standard for natural gas measurement.
- (2) Gas meter runs for each well will be located within 500 feet of the wellhead. The gas flowline will be buried from the wellhead to the meter and 500 feet downstream of the meter run or any production facilities. Meter runs must be housed and/or fenced.
- (3) All disturbed areas not required for operations will be rehabilitated.
- (4) All produced liquids must be contained including the dehydrator vent/condensate line effluent. All production pits must be fenced.
- (5) The well activity, the well status and the date the well is placed on production must be reported on Lessee's Monthly Report of Operations, Form 9-329.
- (6) All off-lease storage, off-lease measurement, or commingling on lease or off-lease must have written approval.
- (7) All product lines entering and leaving hydrocarbon storage tanks must be locked/sealed.
- (8) You are reminded of the requirements for handling, storing, or disposing of water produced from oil and gas wells under NTL-2B.
- (9) All materials, trash, junk, debris, etc. not required for production must be removed from the well site and production facility site at the completion of these operations.
- (10) A copy of the Gas Sales Contract will be provided to this office and the Royalty Accounting Department as directed.
- (11) Construction and maintenance for surface use approved under this plan should be in accordance with the surface use standards as set forth in the BLM/GS Oil and Gas Brochure entitled, "Surface Operating Standards for Oil and Gas Exploration and Development." This includes, but is not limited to, such items as road construction and maintenance, handling of top soil and rehabilitation.
- (12) "Sundry Notice and Reports on Wells" (form 9-331) will be filed for all changes of plans and other operations in accordance with 30 CFR 221.58. Emergency approval may be obtained verbally, but such approval does not waive the written report requirement. Any additional construction, reconstruction, or alternations of facilities, including roads, gathering lines, batteries, measurement facilities, etc., will require the filing of a suitable plan and prior approval by the survey.



United States Department of the Interior

2000 Administration Building
1745 West 1700 South
Salt Lake City, Utah 84104

February 2, 1981

General Outline for the Protection and Isolation of Ground Water and Oil Shale in the Uinta Basin.

The oil shale occurs with varying thicknesses in most parts of the Uinta Basin and at varying depths. Ground water also occurs at varied depths above and below the Oil Shale. These ground waters have varying degrees of salinity. Nonetheless, drilling for hydrocarbon in the Uinta Basin should provide for the protection of the oil shale and the ground water if either is present.

The protection of the oil shale and the ground water can effectively be carried on through the design of an adequate casing and cementing program for each well drilled in the area.

In the Uinta Basin, water occurs mainly in the Uinta and the Green River formations. As drilling for hydrocarbon gets deeper into the crust of the earth, more ground water might be encountered and will be protected as it is encountered.

This notice's purpose is to attempt to lay the groundwork for a casing program and cementing program that will protect the oil shale and the ground water if present.

These programs are to be considered as guidelines. The specificity of casing depth, amount of cement and the depth of staging collars will be considered on an individual basis after a careful study of the logs of each individual well. Cementing from the bottom up is an economical solution if carefully conducted.

The casing and cementing program presented here as an example, will assume that fresh water was encountered in the upper parts of the Green River, that the oil shale occurs in the middle of the Green River (1000 foot section) and that some ground water is encountered in the lower parts of the Green River.

In this case, three areas will have to be cemented to assure the integrity of the ground water and oil shale. These areas are above the upper fresh water, across the oil shale and below the lower water aquifer. Deep aquifers that do not contain useful water are cemented to prevent water zone influence on production.

The following casing and cementing program will be appropriate for this example:

- A. Surface casing is set at approximately 300 feet and cemented to the surface.

- B. The next casing string will be set at approximately 300 feet below the lowest aquifer. Cementing will be done in three stages, using two stage collars and cement baskets or equivalent as described below and on attached sketches:
1. Cement first stage through the casing shoe to fill annulus back to base of lower aquifer.
 2. Place 1st stage collar (with cement basket immediately below) at a selected point at the base of the oil shale. Cement will have to reach top of oil shale.
 3. Place 2nd stage collar (with cement basket immediately below) 50 feet above the top of the Bird's Nest aquifer and cement to at least 300 feet above the stage collar.
- C. The above is an example. Reasonable equivalents that accomplish these same protective measures, (such as cementing the water zones instead of isolating them), depending on the individual cases will be considered for approval.
- D. When the above mentioned well is to be abandoned, inner-casing plugs will have to be placed at the same depth as the above mentioned annulus cement jobs.

The use of cement bond logs will verify the authenticity of the cement job performed.

- E. The Operator of such well should notify U.S.G.S. 48 hours prior to commencement of casing and cementing activity, so a technician could be dispatched to witness the operations to verify compliance with casing and cementing program.

Attached Sketches:

1. Schematic of the required casing and cementing program.
2. Cross section of the Uinta Basin.
3. Schematic of the general ground water protection program.

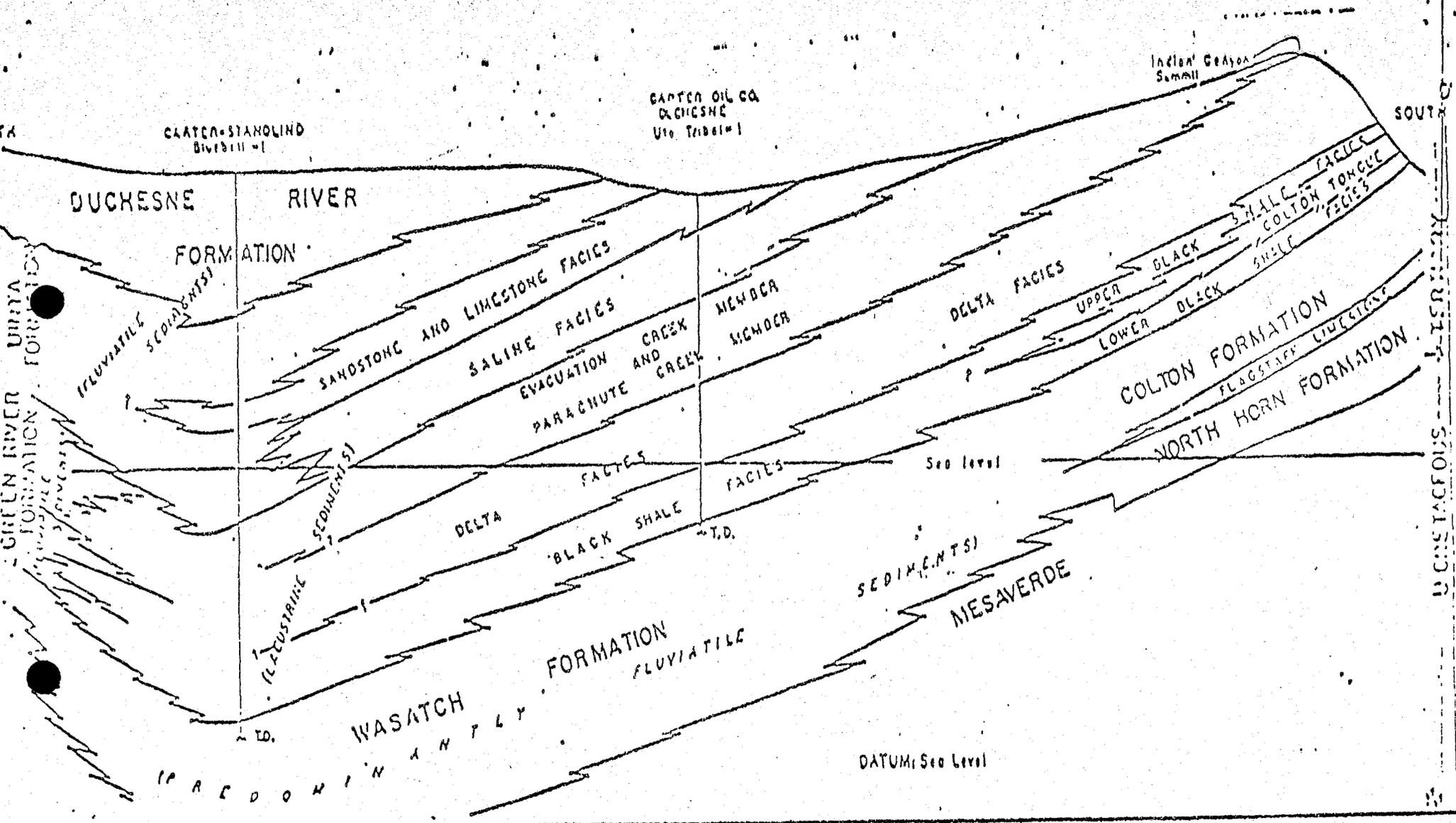


Figure 5.- View east of cross section of Uinta Basin showing stratigraphy and intertonguing of Tertiary rocks. Ute Tribal-1 (in section) is located about 3 miles southeast of the application area.

PARTIAL CASING & CEMENTING PROGRAM FOR WELLS IN NATURAL BUTTES FIELD. WINTAH COUNTY, UTAH

NO SCALE

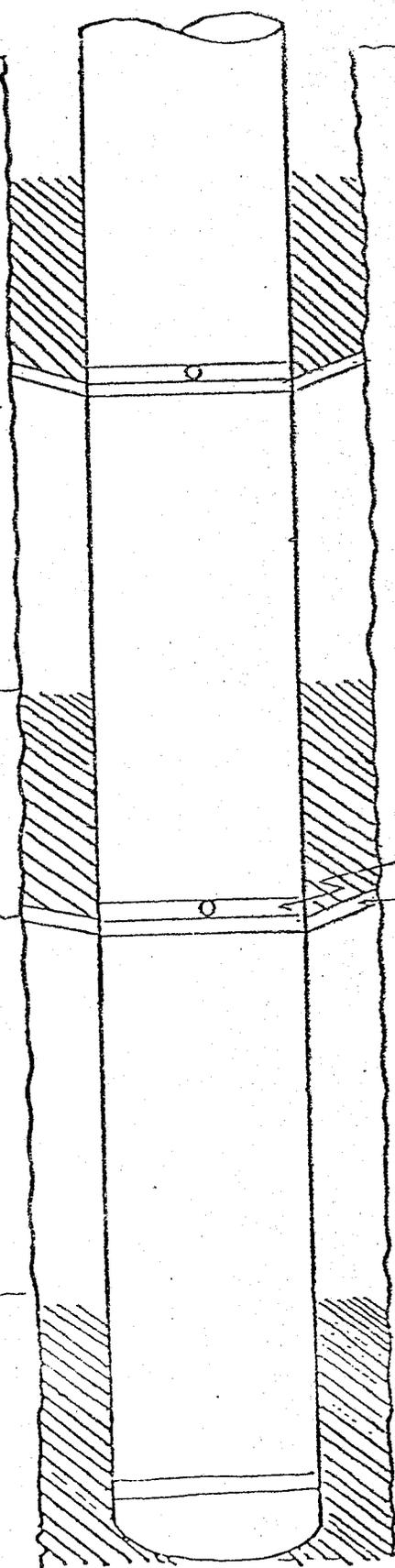
Winta formation

BIRDS NEST AQUIFER
HORSEBENCH SANDSTONE

GREEN RIVER

OIL SHALE ZONE

DOUGLAS CREEK AQUIFER
LIMESTONE & SANDSTONE



CEMENT BASKET IS PLACED 50' ABOVE TOP AQUIFER CEMENT TO RISE AT LEAST 300' IN ANNULUS

STAGE COLLAR
CEMENT BASKET

CEMENT BASKET IS SET IN CONSOLIDATED SECTION AT THE BASE OF THE OIL SHALE ZONE CEMENT TO REACH THE TOP OF THE MAHOGANY ZONE

CEMENT WILL REACH BASE OF LOWER AQUIFER

**Bureau of Land Management
Vernal District Office
170 South 500 East
Vernal, Utah 84078**

3162.55
U-820
U-01304

December 12, 1985

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

RE: Rescind Application for Permit to Drill
Well No. 235-6
Section 6, T35, R23E
Uintah County, Utah
Lease No. U-01304

The Application for Permit to Drill the referenced well was approved on November 28, 1983. A request for a one year extension was submitted and approved. According to our records, no known activity has transpired at the approved location. In view of the foregoing, this office is rescinding the approval of the referenced application without prejudice. If you intend to drill at this location at 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 this drill site. Any surface disturbance associated with the approved location of this well is to be rehabilitated. A schedule for this rehabilitation must be submitted to this office. Your cooperation in this matter is appreciated.

Sincerely,

Craig M. Hansen
ADM for Minerals

mh

bcc: State Div. O G & M
well file
U-922/943



STATE OF UTAH
NATURAL RESOURCES
Oil, Gas & Mining

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

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

December 19, 1985

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

Gentlemen:

Re: Well No. Chapita Wells 235-6 - Sec. 6, T. 9S., R. 23E.,
Uintah County, Utah - API #43-047-31394

In concert with action taken by the Bureau of Land Management, December 12, 1985, approval to drill the above referenced well is hereby rescinded.

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

Sincerely,

John R. Baza
Petroleum Engineer

pk
cc: Dianne R. Nielson
Ronald J. Firth
File

0170S/29