

FILE NOTATIONS

Entered in WID File ..✓.....
Location Map Planned ..✓.....
Card Indexed ..✓.....

Checked by Chief
Approval Letter
Disapproval Letter

COMPLETION DATA:

Date Well Completed
OW..... WW..... TA.....
GW..... OS..... PA.....

Location Inspected
Bond released
State or Fee Land

LOGS FILED

Driller's Log.....
Electric Logs (No.)
E..... I..... Dual I Lat..... GR-N..... Micro.....
BHC Sonic GR..... Lat..... MI-L..... Sonic.....
CBLLog..... CCLog..... Others.....

8-3-78 Approved Location Change (See)

UTAH DIVISION OF OIL GAS AND MINING

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

83-78 Location Change

DATE FILED 6-23-78

LAND: FEE & PATENTED STATE LEASE NO. PUBLIC LEASE NO. U-14027 INDIAN

DRILLING APPROVED: 6-22-78

SPUDED IN:

COMPLETED: PUT TO PRODUCING:

INITIAL PRODUCTION:

GRAVITY A.P.I.

GOR:

PRODUCING ZONES:

TOTAL DEPTH:

WELL ELEVATION: 9248' GR

DATE ABANDONED: 6-29-79 - Location abandoned; Well never drilled

FIELD: Wildcat 3/86

UNIT:

COUNTY: Utah

WELL NO. Bennion Ridge #1 Federal 23-17

API NO: 43-049-30006

LOCATION ~~1780~~ FT. FROM ~~XX~~ (S) LINE. ~~1780~~ FT. FROM ~~XX~~ (W) LINE. C NE SW 1/4 - 1/4 SEC. 17

1780

1780

TWP.	RGE.	SEC.	OPERATOR	TWP.	RGE.	SEC.	OPERATOR
				11S	6E	17	CHAMPLIN PETROLEUM CO.

champlin

CORRESPONDENCE INSTRUCTIONS

DATE June 19

THE ATTACHED PAPERS ARE REFERRED

TO Cleon Teight

FOR THE PURPOSE INDICATED BY THE CHECK MARK

- PLEASE NOTE AND FILE.
- PLEASE NOTE AND RETURN TO ME.
- PLEASE NOTE AND SEE ME _____ 19 ____, ____ A.M. ____ P.M.
- PLEASE ANSWER, SENDING ME COPY OF YOUR LETTER.
- PLEASE PREPARE REPLY FOR MY SIGNATURE.
- PLEASE TAKE CHARGE OF THIS.
- TO BE SIGNED
- FOR YOUR INFORMATION.
- YOUR COMMENTS, PLEASE.
- FOR APPROVAL AND RETURN.
- PLEASE DISCUSS THIS WITH MR. _____
- RUSH—IMMEDIATE ACTION DESIRED.

REMARKS:

Attached are 3 copies of
the ammended
application for permit
to drill on #1 Federal
Bennion Ridge.

SIGNED _____

FORM AC-62
(7-77)

Thanks
Gailen Diehl
Secretary
Champlon

champlin 

*4-24-58
Added
Survey
plat*

January 30, 1978



The State of Utah
Department of Natural Resources
Division of Oil, Gas & Mining
1588 West, North Temple
Salt Lake City, Utah 84116

Attn: Cleon B. Feight

Re: #1 Federal 23-17, Bennion
Ridge, Sec. 17, T11S, R6E,
Utah County, Utah

Dear Sir:

Attached are the following for referenced well:

1. Three copies of Form 9-331 C, Application for Permit to Drill.
2. Pertinent information to comply with NTL-6 requirements.
3. Three copies of Form 9-1123, Designation of Operator.

If the application meets with your approval, please sign and return one approved copy to this office.

Yours truly,

CHAMPLIN PETROLEUM COMPANY

C. A. Hansen

C. A. Hansen
Petroleum Engineer

CAH:dd

Attachments

cc: Well File w/att.
1978 Drlg. File w/att.

OK Pat

Champlin Petroleum Company
P.O. Box 1226
Rock Springs, Wyoming 82901
307 / 362-5641

**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
 Champlin Petroleum Company

3. ADDRESS OF OPERATOR
 P.O. Box 700 Rock Springs, Wyoming 82901

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)
 At surface C NE SW Section 17
 At proposed prod. zone To be drilled as a straight hole.

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
 From Tuckler 8 miles south on US 6 & 50, one mile south on Skyline Drive, 3/4 miles east to location.

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

16. NO. OF ACRES IN LEASE
 2560

17. NO. OF ACRES ASSIGNED TO THIS WELL

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

19. PROPOSED DEPTH
 18,500

20. ROTARY OR CABLE TOOLS
 Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
 GR - Approximately 9,250'

22. APPROX. DATE WORK WILL START*

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
26"	20"	106.00	3000'	Back to surface
17 1/2"	13-3/8"	72.0	5500'	1500 sx.
12 1/4"	9-5/8"	53.5	12000'	1500 sx.
8 1/2"	7"	36.00	18500'	1000 sx.

1. Drill 26" hole to 3000'. Set 20" surface casing & cement back to surface.
2. Test BOP & surface casing to 3000# before drilling out. WOC 24 hrs. BOP to be operated each day after drilling out.
3. Drill 17 1/2" hole to 5500'. Set 13-3/8" intermediate casing and cement w/1500 sx.
4. Test BOP and casing to 3000 psi before drilling out. WOC 24 hrs. BOP to be operated each day after drilling out.
5. Drill 12 1/4" hole to 12,000'. Set 9-5/8" liner and cement w/1500 sx.
6. Test BOP and casing to 5000# before drilling out. WOC 24 hrs. BOP's to be operated each day after drilling out.
7. Drill 8 1/2" hole to 18,500'. Set 7" liner and cement w/1000 sx cement.

Production Zone - Great Blue Limestone

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 C. A. Hansen TITLE Petroleum Engineer DATE 1/30/78

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY :

DESIGNATION OF OPERATOR

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

DISTRICT LAND OFFICE: Salt Lake City, Utah
SERIAL NO.: U-14027

and hereby designates

NAME: Champlin Petroleum Company
P. O. Box 1256
ADDRESS: Englewood, Colorado 80150

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

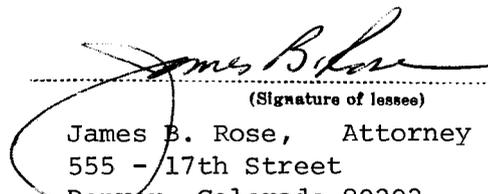
Township 11 South, Range 6 East
Section 17: All

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

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

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

CONTINENTAL OIL COMPANY


.....
(Signature of lessee) *JBR*
James B. Rose, Attorney in Fact
555 - 17th Street
Denver, Colorado 80202
.....
(Address)

January 24, 1978

.....
(Date)

Bennion Ridge
#1 Federal 23-17
Utah County, Utah

1. Existing Roads

See attached topographic map "A" to reach Champlin Petroleum Company's well located C NE SW Section 17, T11S, R6E, Utah County, Utah.

2. Planned Access Road

See topographic map "A". Since the proposed location will be approximately 200' from an existing road - Skyline Drive - there will not be an access road built.

3. Location of Existing Wells

<u>Distance from Proposed Location</u>	<u>Legal Description</u>	<u>Well Name</u>	<u>Type Well</u>
3 miles	Sec. 35, T11S, R6E	South Production #1 Pond Creek	Dry Hole

4. Location of Existing and/or Proposed Facilities

Champlin Petroleum Company does not operate any facilities within this area. All proposed production facilities will be contained within the proposed location site.

5. Location and Type of Water Supply

All water to be used will be obtained from a water well that will be drilled on location.

6. Source of Construction Material

Construction of the location will be borrow material from the construction of the drill site. No additional material from other sources will be required.

7. Disposal of Waste Material

All production waste, such as cuttings, salts and chemicals will be contained in the reserve pit and on completion of drilling activities will be buried with a minimum of 5' of cover. All garbage and trash that can be burned, will be burned. All garbage or trash which can not be burned will be contained in a trash pit and after all drilling activities have ceased will be buried with a minimum of 5' of cover. The trash pit will be enclosed with a fine mesh wire fence as will be the reserve pit, three sides being enclosed during drilling activities and four sides after drilling ceases. The mud pits will be allowed to dry before being buried.

8. Ancillary Facilities

Trailers will be available on the location site for the driller, geologist, and Champlin's drilling foreman.

Bennion Ridge
#1 Federal 23-17
Utah County, Utah

- 2 -

9. Well Site Layout

See the attached location layout for basic layout of the drill site and the layout for any frac job that may take place.

10. Plans for Restoration of the Surface

Topsoil at the location will be stripped and stockpiled prior to any drilling or construction activities. After production activities have been completed, the location site and access road will be reshaped to the original contour and the topsoil spread over the disturbed area. Upon completion of drilling activities, fences around pits will be removed, reserve and trash pits will be buried. The location will be reseeded with native grass , etc. as per U. S. Forest Service specifications.

Bennion Ridge
#1 Federal 23-17
Utah County, Utah

1. Surface Formation: Flagstaff.

2. Estimated Tops of Geologic Markers:

Price River	1,900'
Blue Gate	5,950'
Dakota	9,050'
Twin Creek	12,000'
Sinbad	14,650'
Diamond Creek	15,850'
Great Blue Ls.	18,300'

3. Anticipated Productive Formations:

Ferron	7,450'
Dakota	9,050'
Twin Creek	12,000'
Nugget	12,500'
Sinbad	14,650'
Park City	15,350'
Diamond Creek Ls.	15,850'
Kirkman Ls.	16,250'
Oquirrh	17,050'
Great Blue Ls.	18,300'

4. Casing Program:

<u>From</u>	<u>To</u>	<u>Size, Weight, Grade & Thread</u>
0	3,000'	20", 106#/ft., K-55, LT&C, 8rd.
0	5,500'	13-3/8", 72#/ft., N-80, LT&C, 8rd.
0	12,000'	9-5/8", 53.5#/ft., C-75, LT&C
12,000'	18,500'	7", 36#/ft., SFJP

- A. Conductor casing will be set and cemented 50' blow GR to surface.
- B. 20" casing will be set at 3,000' and cement circulated back to surface.
- C. 13-3/8" casing will be set at 5500' and cemented with 1500 sx.
- D. 9-5/8" casing will be set at 12,000' and cemented with 1500 sx.
- E. 7" liner will be set at 10,500' and cemented with 1000 sx.

5. Pressure Control:

A hydraulic double gate 12" 10,000# preventer, with pipe and blind rams and a Hydril GK 10,000# preventer will be installed and tested after the 20" casing is set. Mud pits and flow lines will be monitored. Blowout preventers will be checked daily and pressure tested every 30 days.

Bennion Ridge
#1 Federal 23-17
Utah County, Utah

- 2 -

6. Drilling Mud Program:

<u>Depth</u>	<u>Weight</u>	<u>Viscosity</u>	<u>Water Loss</u>	<u>Type Mud</u>
0-4000'	8.6-9.0	50-60	No Control	Natural
4000-13500'	9.0-12.5	38-40	8-10	Low solids non disperse
13500-18500'	8.8-9.2	36-40	10-15	5-8% KCl attapulgate

7. Auxiliary Equipment to be Used:

Mud logging unit - degassing equipment on the shale shaker, pit volume recording equipment and flow sensor.

8. Testing, Logging and Coring:

A. Well Surveys

Dual Induction Laterlog, TD to base of surface casing.

BHC Sonic - GR with integrated time curve, TD to base of surface casing.

FDC CNL Neutron - over selected intervals.

B. Drill Stem Test

Approximately 4 DST's are planned.

C. Coring

Approximately 3 cores are planned.

D. Completion Program

The afore mentioned zones of interest will be perforated and tested, and if they are warranted, will be acidized and again tested and if needed will be fraced. The fracturing fluid will most likely be a water base fluid.

9. Abnormal Pressures and Temperatures:

No abnormal pressures or temperatures are expected to be encountered.

10. Starting Date and Duration:

The well will be spudded as soon as it has been approved and should take approximately 450 days to drill.

11. Other Information:

Topography of the general area consists of a fairly flat rolling terrain with drainage to the southeast into Water Hollow.

12. Operator's Representative:

Bennion Ridge
#1 Federal 23-17
Utah County, Utah

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R. A. Scott
Champlin Petroleum Company
P.O. Box 700
Rock Springs, Wyoming

Phone: 307-362-5641

13. Certification:

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drillsite 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 Champlin Petroleum Company and its contractors and subcontractors in conformity under which it is approved.

1-30-78
Date

R.A. Scott

LAY OUT FOR
FRAC JOB

PUMP
TRUCKS

SAND
TRUCK

BLENDER

High
PRES
LINE

High
PRES.
LINE

High
PRES
LINE

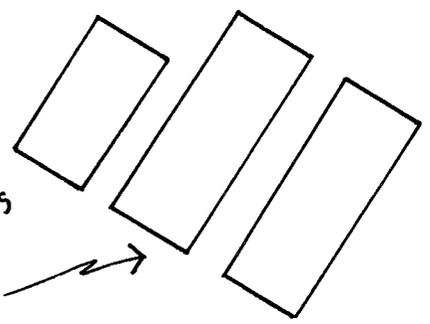
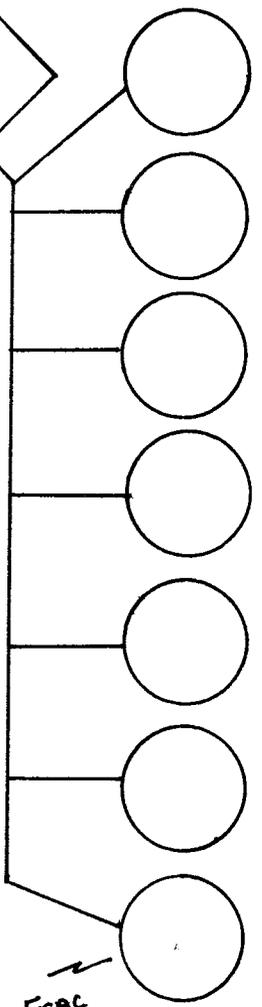
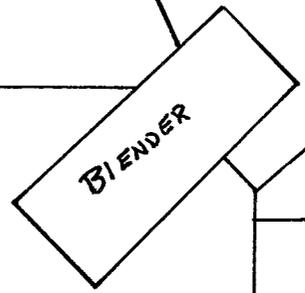
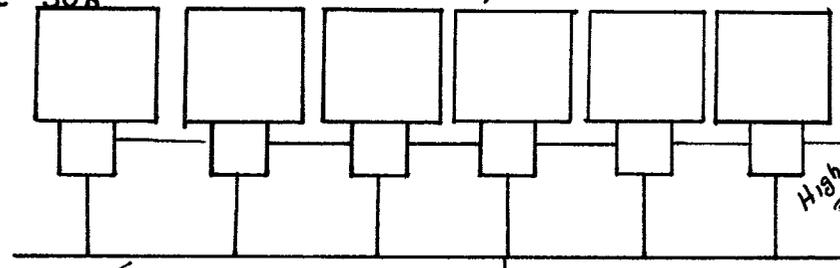
WELL
HEAD

200'

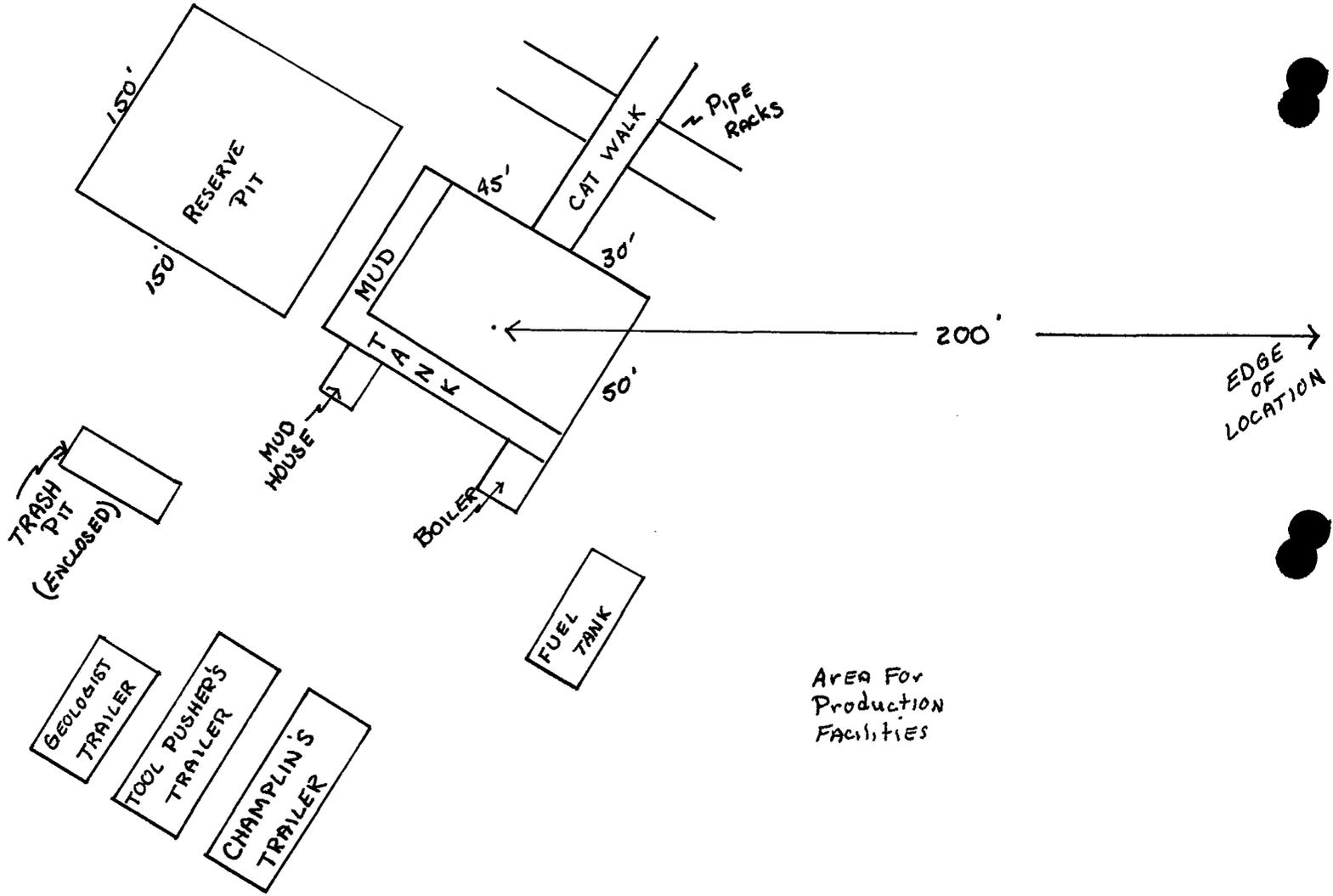
FRAC
TANKS

TRAILERS

FIRE
TRUCK



#1 Federal 23-17
Wellsite Location



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

16. NO. OF ACRES IN LEASE
 SINGLE ZONE MULTIPLE ZONE

2. NAME OF OPERATOR
 Champlin Petroleum Company

3. ADDRESS OF OPERATOR
 P.O. Box 700 Rock Springs, Wyoming 82901

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*
 At surface C NE SW Section 17 1981' FSL & 1980' FSL
 At proposed prod. zone To be drilled as a straight hole.

5. LEASE DESIGNATION AND SERIAL NO.
 U-14027

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
 Bennion Ridge

9. WELL NO.
 #1 Federal 23-17

10. FIELD AND POOL, OR WILDCAT
 Wildcat

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
 Sec. 17, T11S, R6E

12. COUNTY OR PARISH 13. STATE
 Utah Utah

14. DISTANCE, IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
 From Lucker 8 miles south on US 6 & 50, one mile south on Skyline Drive, 3/4 miles east to location.

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

17. NO. OF ACRES ASSIGNED TO THIS WELL

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

19. PROPOSED DEPTH
 18,500 *Miss*

20. ROTARY OR CABLE TOOLS
 Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
 GR - Approximately 9,250'

22. APPROX. DATE WORK WILL START*

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
26"	20"	106.00	3000'	Back to surface
17 1/2"	13-3/8"	72.0	5500'	1500 sx.
12 1/4"	9-5/8"	53.5	12000'	1500 sx.
8 1/2"	7"	36.00	18500'	1000 sx.

1. Drill 26" hole to 3000'. Set 20" surface casing & cement back to surface.
2. Test BOP & surface casing to 3000# before drilling out. WOC 24 hrs. BOP to be operated each day after drilling out.
3. Drill 17 1/2" hole to 5500'. Set 13-3/8" intermediate casing and cement w/1500 sx.
4. Test BOP and casing to 3000 psi before drilling out. WOC 24 hrs. BOP to be operated each day after drilling out.
5. Drill 12 1/4" hole to 12,000'. Set 9-5/8" liner and cement w/1500 sx.
6. Test BOP and casing to 5000# before drilling out. WOC 24 hrs. BOP's to be operated each day after drilling out.
7. Drill 8 1/2" hole to 18,500'. Set 7" liner and cement w/1000 sx cement.

Production Zone - Great Blue Limestone

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 G. A. Hansen TITLE Petroleum Engineer DATE 1/30/78

(This space for Federal or State office use)



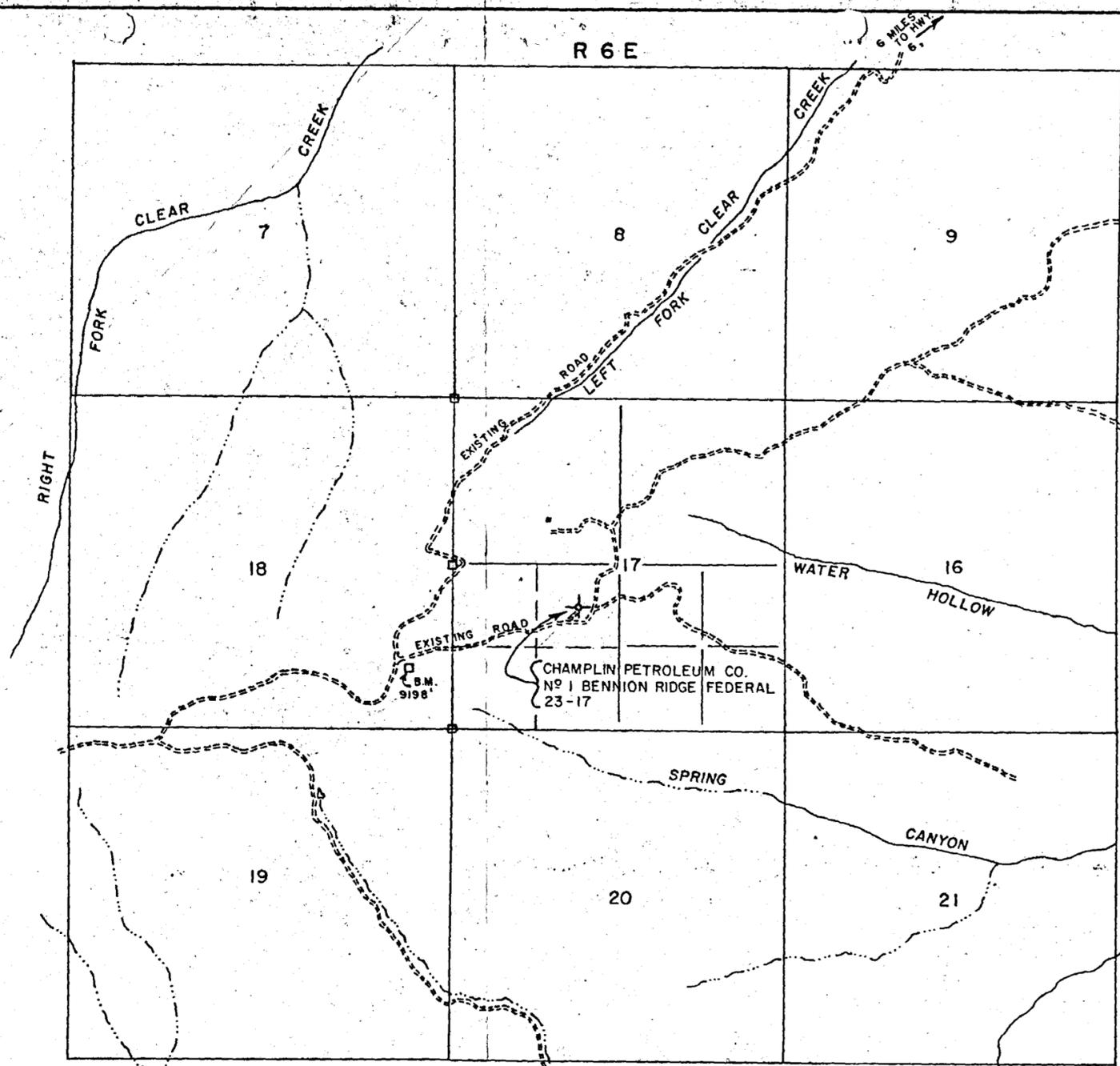
PERMIT NO. 43-049-30006

APPROVAL DATE _____

TITLE _____ DATE _____

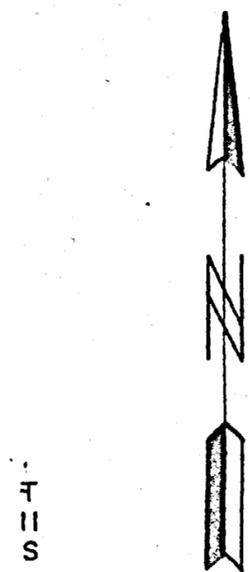
CONDITIONS OF APPROVAL, IF ANY:

*See Instructions On Reverse Side



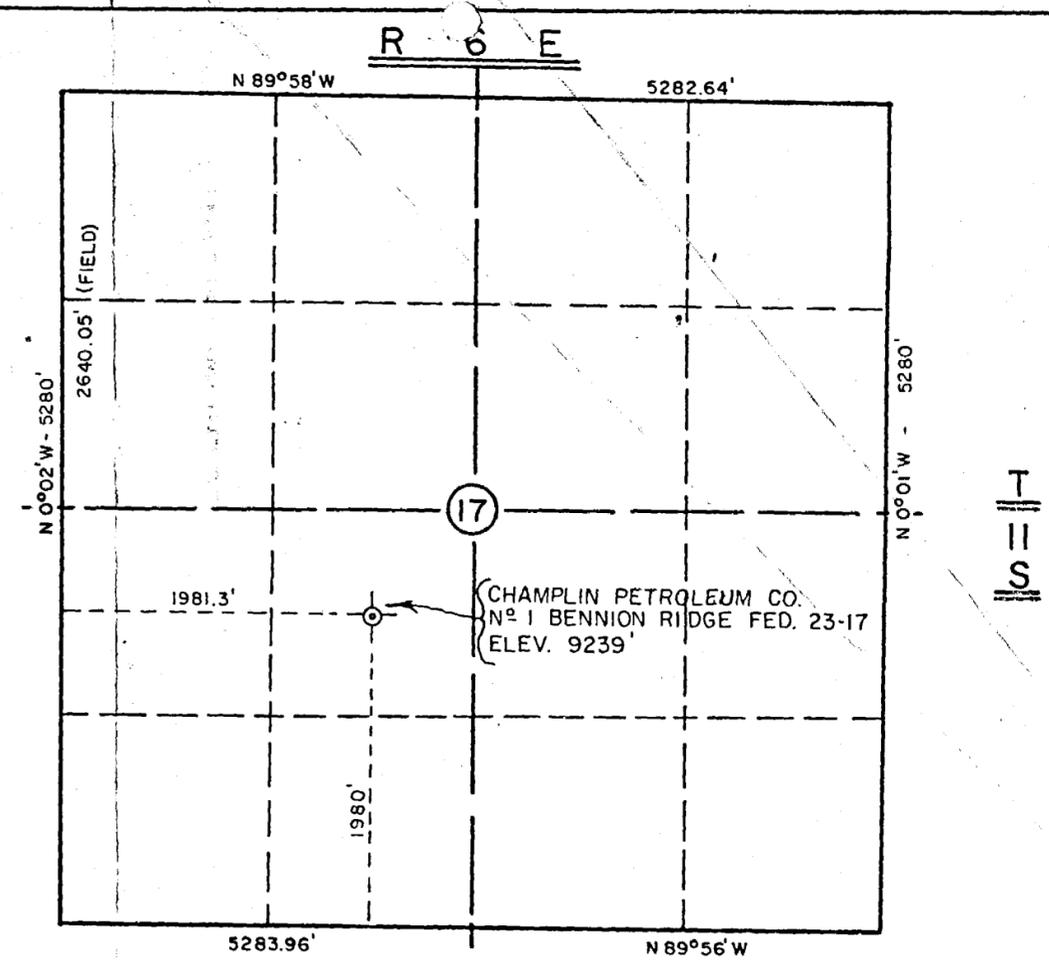
VICINITY MAP
SCALE 1"=2000'

NOTES:
 ⊕ PIPE CORNERS LOCATED
 B.M. - U.S.G.S. N° 77RS, ELEV. 9198'
 U.S.G.S. QUAD - "C" CANYON, UTAH



REFERENCE POINTS

LOCATION	ELEV.
200' N.R.P.	9228'
200' ERP	9234'
200' S.R.P.	9248'
200' W.R.P.	9237'



LOCATION MAP
SCALE 1"=1000'

CERTIFICATE OF SURVEYOR

STATE OF WYOMING }
 COUNTY OF SWEETWATER } S.S.
 I, JOSEPH W. MANATOS, OF ROCK SPRINGS, WYOMING DO HEREBY CERTIFY THAT THIS MAP CORRECTLY SHOWS THE WELL LOCATION MADE FOR CHAMPLIN PETROLEUM CO. ON JUNE 13-14, 1978.

Joseph W. Manatos
 UTAH R.L.S. N° 4806

MAP
SHOWING WELL LOCATION
FOR

CHAMPLIN PETROLEUM CO.
 N° 1 BENNION RIDGE
 FEDERAL 23-17
 NE 1/4, SW 1/4, SECTION 17
 T 11 S, R 6 E
 UTAH COUNTY, UTAH
 JOHNSON-FERMELIA & CRANK, INC.
 ROCK SPRINGS, WYO.

DESIGNATION OF OPERATOR

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

DISTRICT LAND OFFICE: Salt Lake City, Utah
SERIAL NO.: U-14027

and hereby designates

NAME: Champlin Petroleum Company
P. O. Box 1256
ADDRESS: Englewood, Colorado 80150

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

Township 11 South, Range 6 East
Section 17: All

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

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

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

CONTINENTAL OIL COMPANY


.....
(Signature of lessee) *JBR*
James B. Rose, Attorney in Fact
555 - 17th Street
Denver, Colorado 80202
.....
(Address)

January 24, 1978
.....
(Date)

Bennion Ridge
#1 Federal 23-17
Utah County, Utah

1. Existing Roads

See attached topographic map "A" to reach Champlin Petroleum Company's well located C NE SW Section 17, T11S, R6E, Utah County, Utah.

2. Planned Access Road

See topographic map "A". Since the proposed location will be approximately 200' from an existing road - Skyline Drive - there will not be an access road built. The existing road will be upgraded to meet U. S. Forest Service specifications.

3. Location of Existing Wells

<u>Distance from Proposed Location</u>	<u>Legal Description</u>	<u>Well Name</u>	<u>Type Well</u>
3 miles	Sec. 35, T11S, R6E	South Production #1 Pond Creek	Dry Hole

4. Location of Existing and/or Proposed Facilities

Champlin Petroleum Company does not operate any facilities within this area. All proposed production facilities will be contained within the proposed location site.

5. Location and Type of Water Supply

All water to be used will either be obtained from a water well or from the Left Fork of Clear Creek.

6. Source of Construction Material

Construction of the location will be borrow material from the construction of the drill site. No additional material from other sources will be required. See Exhibit "C" for cut and fill diagrams.

7. Disposal of Waste Material

All production waste, such as cuttings, salts and chemicals will be contained in the reserve pit and on completion of drilling activities will be buried with a minimum of 5' of cover. All garbage and trash that can be burned, will be burned. All garbage or trash which can not be burned will be contained in a trash pit and after all drilling activities have ceased will be buried with a minimum of 5' of cover. The trash pit will be enclosed with a fine mesh wire fence as will be the reserve pit, three sides being enclosed during drilling activities and four sides after drilling ceases. The mud pits will be allowed to dry before being buried.

8. Ancillary Facilities

Trailers will be available on the location site for the driller, geologist, and Champlin's drilling foreman. There will also be a cook shack for the crews.

9. Well Site Layout

See the attached location layout for basic layout of the drill site and the layout for any frac job that may take place. Also attached are the cut and fill diagrams.

10. Plans for Restoration of the Surface

Topsoil at the location will be stripped and stockpiled prior to any drilling or construction activities. After production activities have been completed, the location site and access road will be reshaped to the original contour and the topsoil spread over the disturbed area. Upon completion of drilling activities, fences around pits will be removed, reserve and trash pits will be buried. The location will be reseeded with native grass, etc. as per U. S. Forest Service specifications.

Bennion Ridge
#1 Federal 23-17
Utah County, Utah

1. Surface Formation: Flagstaff.

2. Estimated Tops of Geologic Markers:

Price River	1,900'
Blue Gate	5,950'
Dakota	9,050'
Twin Creek	12,000'
Sinbad	14,650'
Diamond Creek	15,850'
Great Blue Ls.	18,300'

3. Anticipated Productive Formations:

Ferron	7,450'
Dakota	9,050'
Twin Creek	12,000'
Nugget	12,500'
Sinbad	14,650'
Park City	15,350'
Diamond Creek Ls.	15,850'
Kirkman Ls.	16,250'
Oquirrh	17,050'
Great Blue Ls.	18,300'

4. Casing Program:

<u>From</u>	<u>To</u>	<u>Size, Weight, Grade & Thread</u>
0	3,000'	20", 106#/ft., K-55, LT&C, 8rd.
0	5,500'	13-3/8", 72#/ft., N-80, LT&C, 8rd.
0	12,000'	9-5/8", 53.5#/ft., C-75, LT&C
12,000'	18,500'	7", 36#/ft., SFJP

- A. Conductor casing will be set and cemented 50' below GR to surface.
- B. 20" casing will be set at 3,000' and cement circulated back to surface.
- C. 13-3/8" casing will be set at 5500' and cemented with 1500 sx.
- D. 9-5/8" casing will be set at 12,000' and cemented with 1500 sx.
- E. 7" liner will be set at 10,500' and cemented with 1000 sx.

5. Pressure Control:

A hydraulic double gate 12" 10,000# preventer, with pipe and blind rams and a Hydril GK 10,000# preventer will be installed and tested after the 20" casing is set. Mud pits and flow lines will be monitored. Blowout preventers will be checked daily and pressure tested every 30 days.

6. Drilling Mud Program:

<u>Depth</u>	<u>Weight</u>	<u>Viscosity</u>	<u>Water Loss</u>	<u>Type Mud</u>
0-4000'	8.6-9.0	50-60	No Control	Natural
4000-13500'	9.0-12.5	38-40	8-10	Low solids non dispers
13500-18500'	8.8-9.2	36-40	10-15	Brine water

7. Auxiliary Equipment to be Used:

Mud logging unit - degassing equipment on the shale shaker, pit volume recording equipment and flow sensor.

8. Testing, Logging and Coring:

A. Well Surveys

Dual Induction Laterlog, TD to base of surface casing.
BHC Sonic - GR with integrated time curve, TD to base of surface casing.
FDC CNL Neutron - over selected intervals.

B. Drill Stem Test

Approximately 4 DST's are planned.

C. Coring

Approximately 3 cores are planned.

D. Completion Program

The afore mentioned zones of interest will be perforated and tested, and if they are warranted, will be acidized and again tested and if needed will be fraced. The fracturing fluid will most likely be a water base fluid.

9. Abnormal Pressures and Temperatures:

No abnormal pressures or temperatures are expected to be encountered.

10. Starting Date and Duration:

The well will be spudded as soon as it has been approved and should take approximately 450 days to drill.

11. Other Information:

Topography of the general area consists of a fairly flat rolling terrain with drainage to the northeast into Left Fork of Clear Creek.

12. Operator's Representative:

Bennion Ridge
#1 Federal 23-17
Utah County, Utah

- 3 -

R. A. Scott
Champlin Petroleum Company
P.O. Box 700
Rock Springs, Wyoming

Phone: 307-362-5641

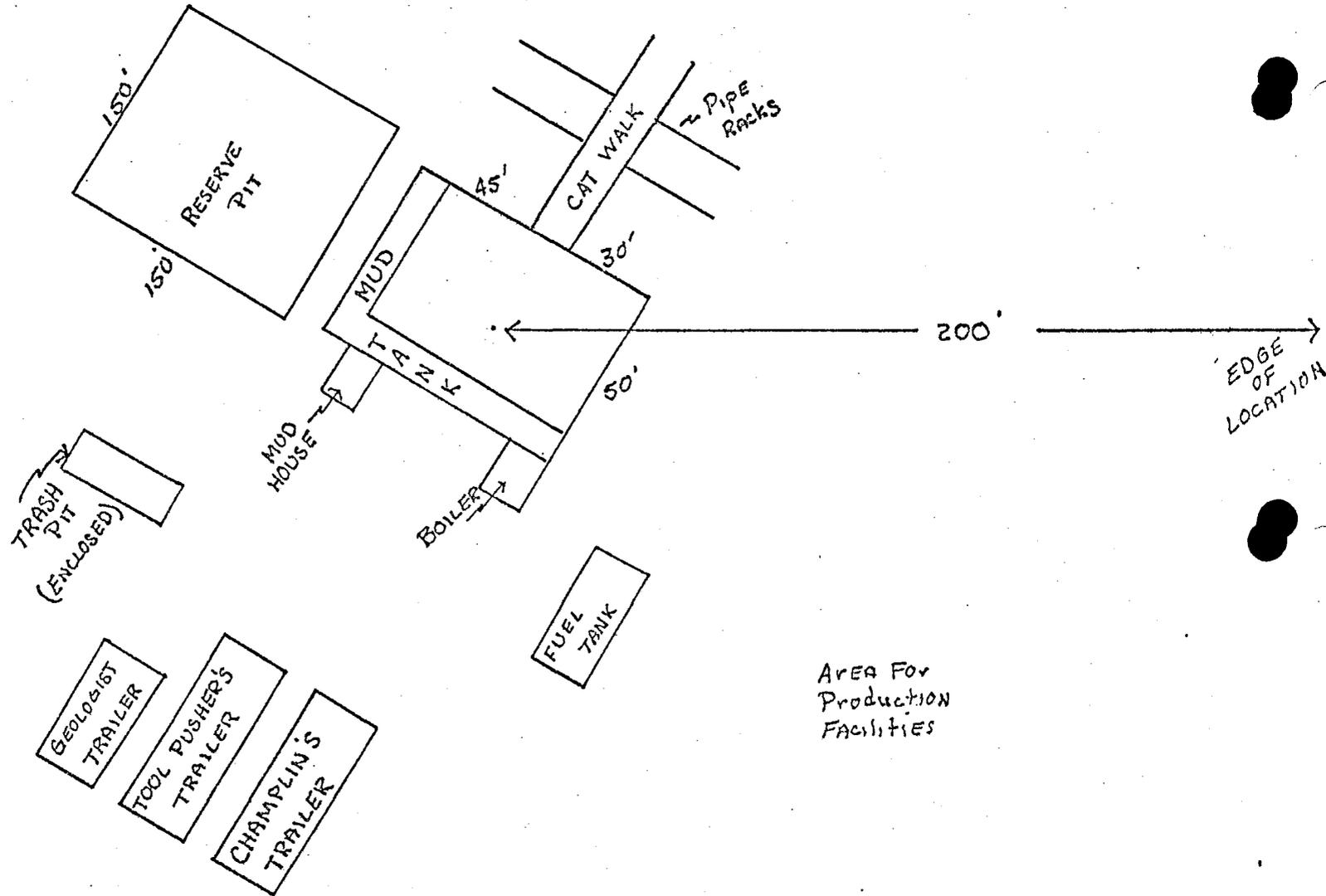
13. Certification:

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drillsite 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 Champlin Petroleum Company and its contractors and subcontractors in conformity under which it is approved.

1-30-78
Date

R.A. Scott

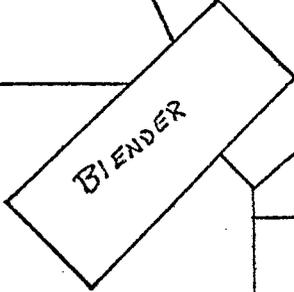
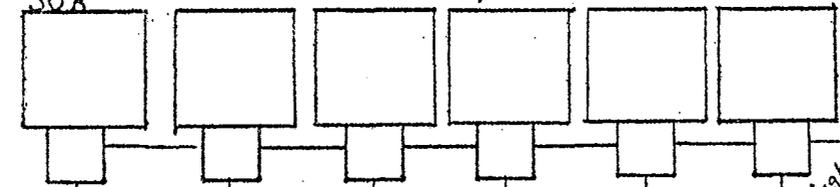
#1 Federal 23-17
Wellsite Location



LAY OUT FOR
FRAC JOB

PUMP
TRUCKS

SAND
TRUCK



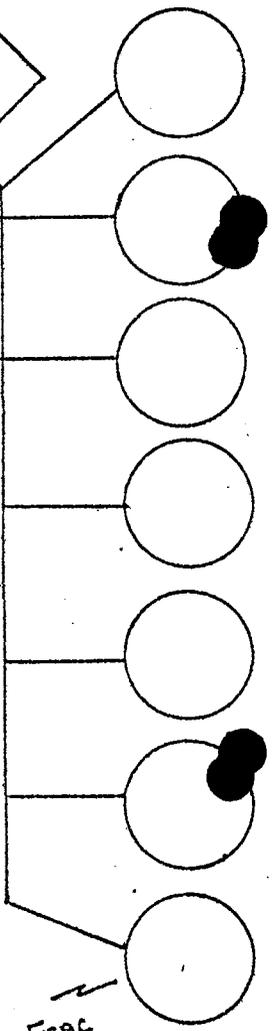
High
PRES.
LINE

High
PRES.
LINE

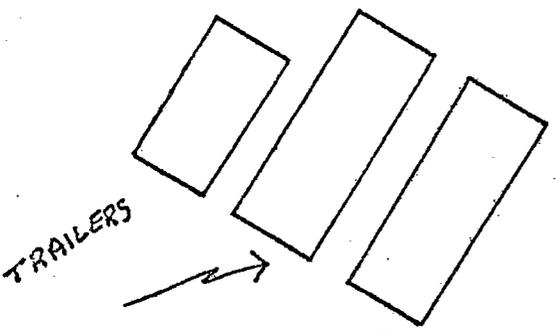
High
PRES.
LINE

WELL
HEAD

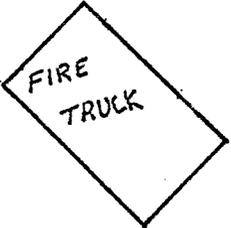
200'



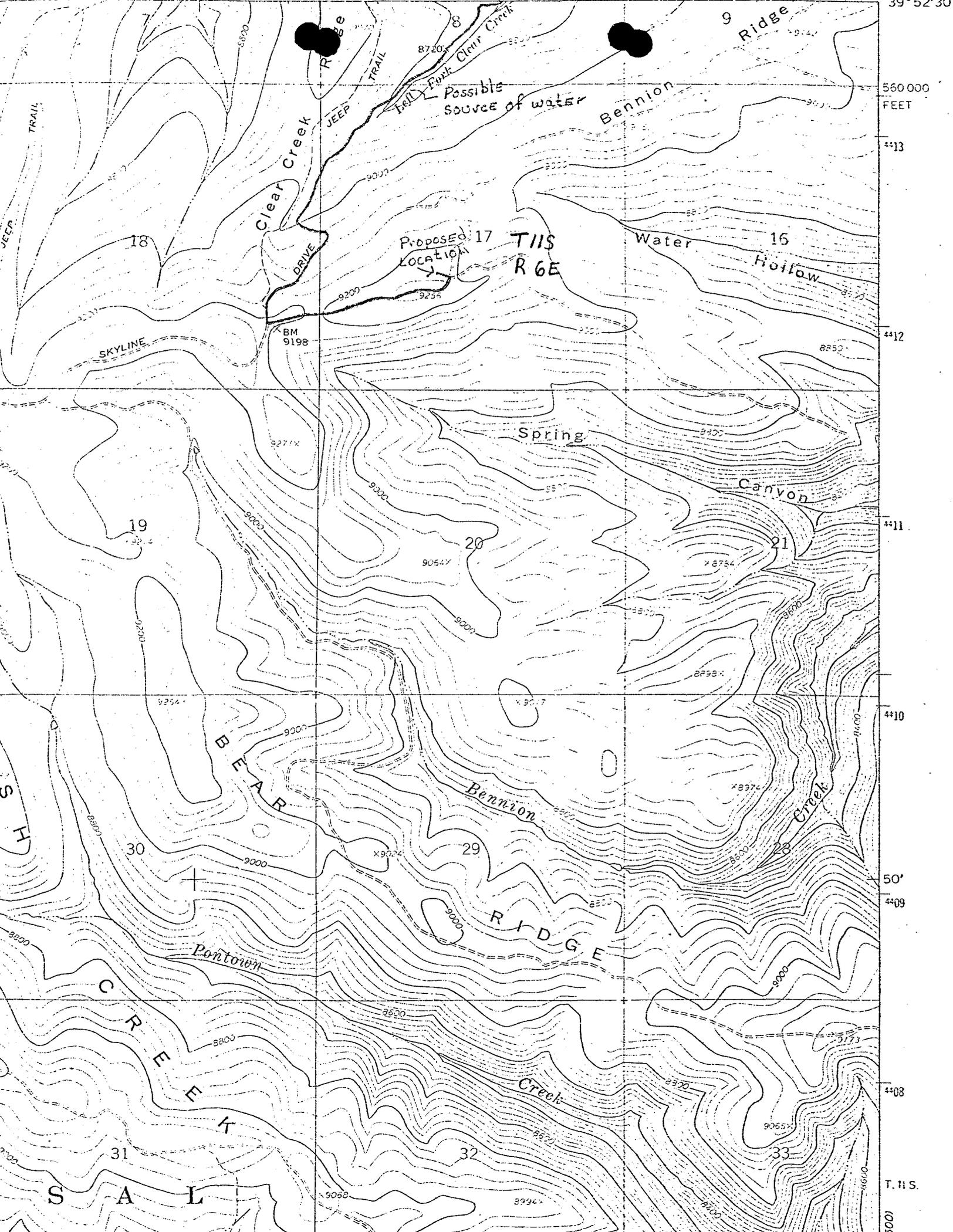
FRAC
TANKS



TRAILERS



FIRE
TRUCK



56000
FEET

4413

4412

4411

4410

50'

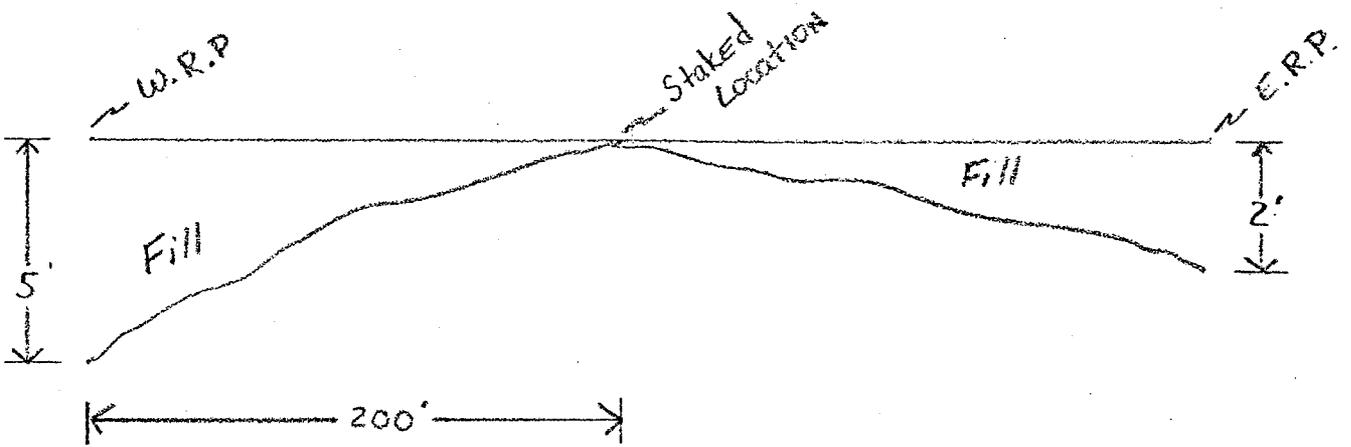
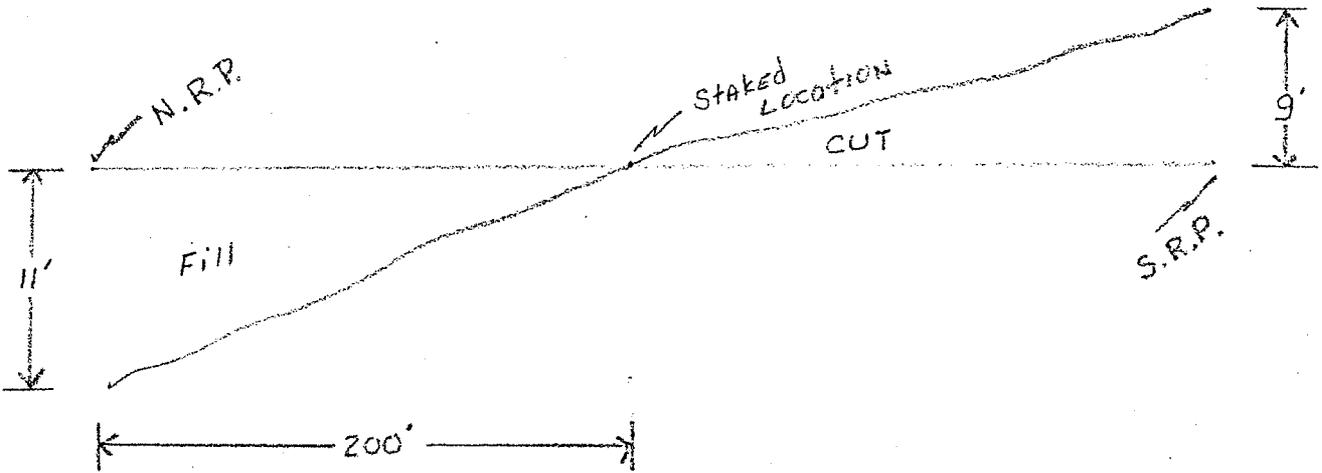
4409

4408

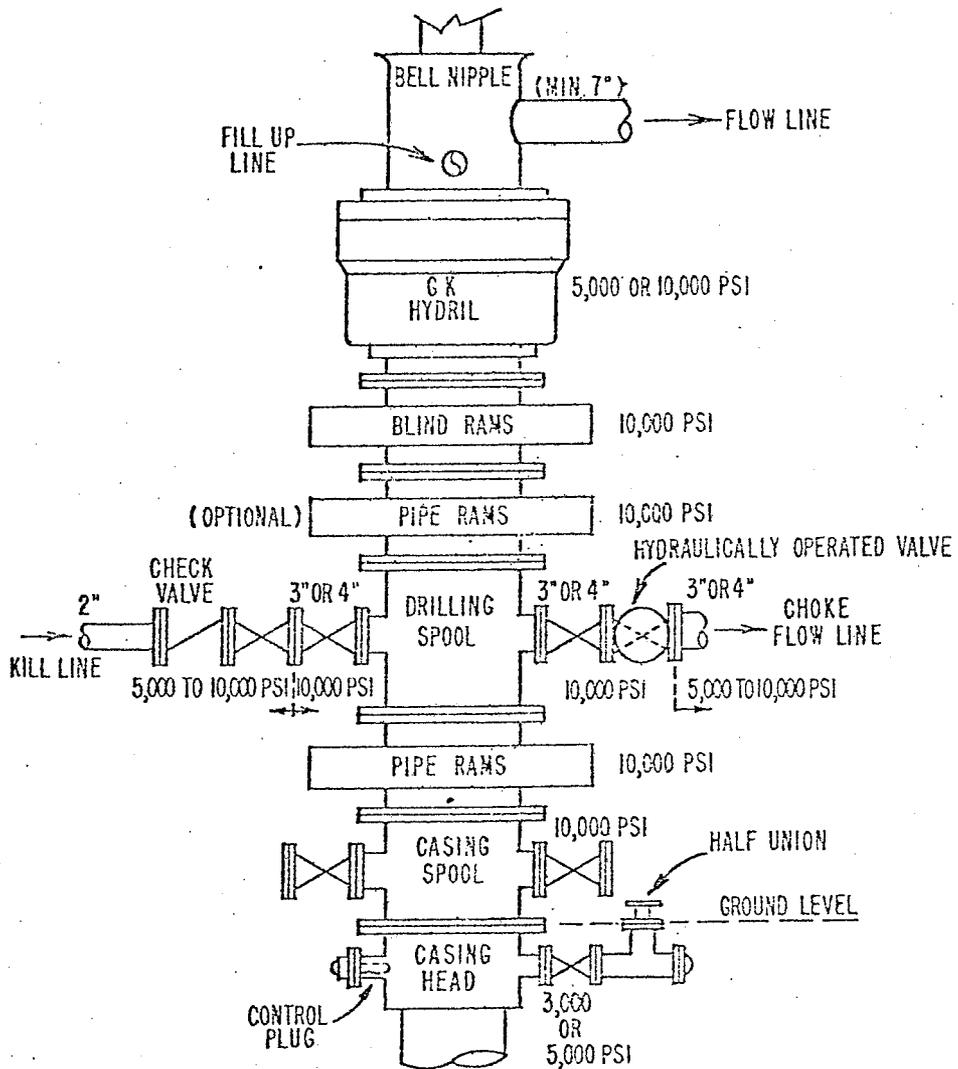
T.H.S.

5000

CUT & FILL CROSS SECTIONS



RECOMMENDED HOOKUP
FOR 10,000 PSI WP BLOWOUT PREVENTERS
WITH CASING SPOOL



PLAN 5

NOTE: WITHOUT DRILLING SPOOL USE OUTLETS UNDER
PIPE RAMS IN MIDDLE BOP FOR CHOKE FLOW
LINE AND KILL LINE.

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

NE SW 17
Louvain
Humburg
McASSASSI

** FILE NOTATIONS **

Date: June 22-
Operator: Champlin Petroleum
Well No: Burnin Ridge 23-17
Location: Sec. 17 T. 11S R. 6E County: Utah

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

API NUMBER: 43-049-30006

CHECKED BY:

Administrative Assistant [Signature]

Remarks: [Signature]
Petroleum Engineer [Signature]

Remarks: [Signature]
Director [Signature]

Remarks:

INCLUDE WITHIN APPROVAL LETTER:

Bond Required: Survey Plat Required:
Order No. Surface Casing Change
to

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

O.K. Rule C-3 O.K. In Unit

Other:

Letter Written/Approved

June 22, 1978

Chaplin Petroleum Company
P.O. Box 700
Rock Springs, Wyoming 82901

Re: Well No. Bennion Ridge 23-17
Sec. 17, T. 11 S, R. 6 E,
Utah County, Utah

Gentlemen:

Insofar as this office is concerned, approval to drill the above referred to well is hereby granted in accordance with Rule C-3, 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:

PATRICK L. DRISCOLL - Chief Petroleum Engineer
HOME: 582-7247
OFFICE: 533-5771

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

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 43-049-30006.

Very truly yours,

DIVISION OF OIL, GAS, AND MINING

CLEON B. FEIGHT
Director



July 31, 1978

Edgar W. Guynn
District Engineer
U.S.G.S.
8426 Federal Building
125 South State St.
Salt Lake City, Utah 84138

Cleon Feight
Director
Division of Oil, Gas & Mining
1588 West North Temple
Salt Lake City, Utah

Re: #1 Federal 23-17 Bennion Ridge
Sec. 17, T11S, R6E, Utah County,
Utah.

Gentlemen:

Attached are the revised copies of permit to drill subject well.

We appreciate your help and cooperation. If you have any further questions, please give me a call.

Yours truly,

CHAMPLIN PETROLEUM COMPANY

A handwritten signature in cursive script that reads "C. A. Hansen".

C. A. Hansen
Drilling Engineer

CAH:dd

Attachments

cc: Well File w/att.



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
 Champlin Petroleum Company

3. ADDRESS OF OPERATOR
 P.O. Box 700 Rock Springs, Wyoming 82901

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)
 At surface 1780' FSL & 1980' FWL
 At proposed prod. zone
 To be drilled as a straight hole.

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
 From Tucker 8 miles south on US 6 & 50, one mile south on
 Skyline Drive, 3/4 miles east to location.

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

16. NO. OF ACRES IN LEASE
 2560

17. NO. OF ACRES ASSIGNED TO THIS WELL

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

19. PROPOSED DEPTH
 18,500

20. ROTARY OR CABLE TOOLS
 Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
 GR - 9,248'

22. APPROX. DATE WORK WILL START*

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
26"	20"	106.00	3500'	Back to surface
17 1/2"	13-3/8"	72.0	11500'	1500 sx.
12 1/4"	9-5/8"	53.5	14000'	1500 sx.
8 1/2"	7"	36.00	18500'	1000 sx.

1. Drill 26" hole to 3,500'. Set 20" surface casing & cement back to surface.
2. Test BOP & surface casing to 3000# before drilling out. WOC 24 hrs. BOP to be operated each day after drilling out.
3. Drill 17 1/2" hole to 11500'. Set 13-3/8" intermediate casing and cement w/1500 sx.
4. Test BOP and casing to 3000 psi before drilling out. WOC 24 hrs. BOP to be operated each day after drilling out.
5. Drill 12 1/4" hole to 14,000'. Set 9-5/8" liner and cement w/1500 sx.
6. Test BOP and casing to 5000# before drilling out. WOC 24 hrs. BOP's to be operated each day after drilling out.
7. Drill 8 1/2" hole to 18,500'. Set 7" liner and cement w/1000 sx cement.

Production Zone - Great Blue Limestone

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.

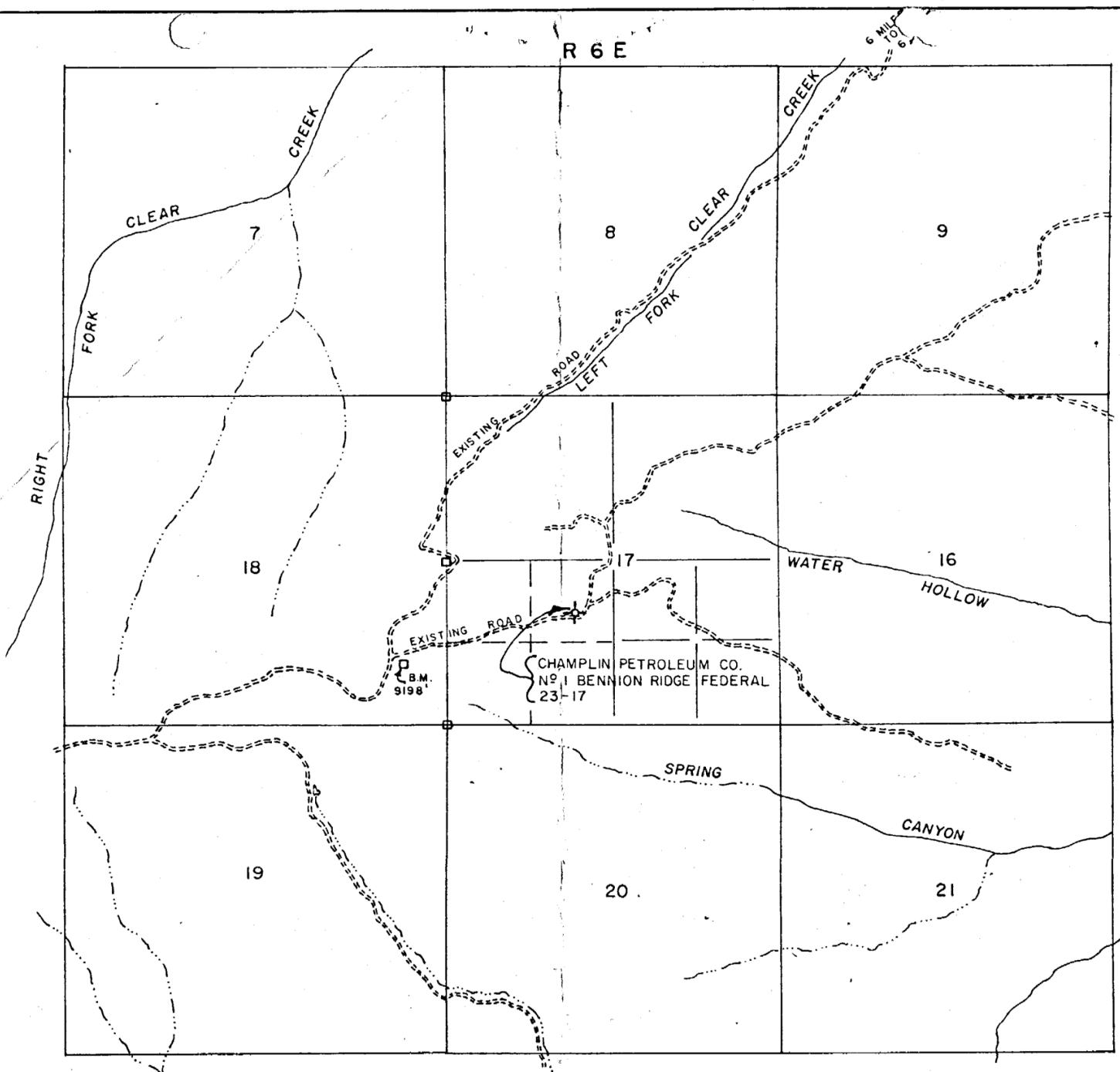
24. SIGNED C. A. Hansen TITLE Petroleum Engineer DATE 1/30/78

(This space for Federal or State office use)

APPROVED BY THE DIVISION OF OIL, GAS, AND MINING

APPROVAL DATE DATE: 8-3-78

BY: C.B. [Signature]



VICINITY MAP
SCALE 1"=2000'

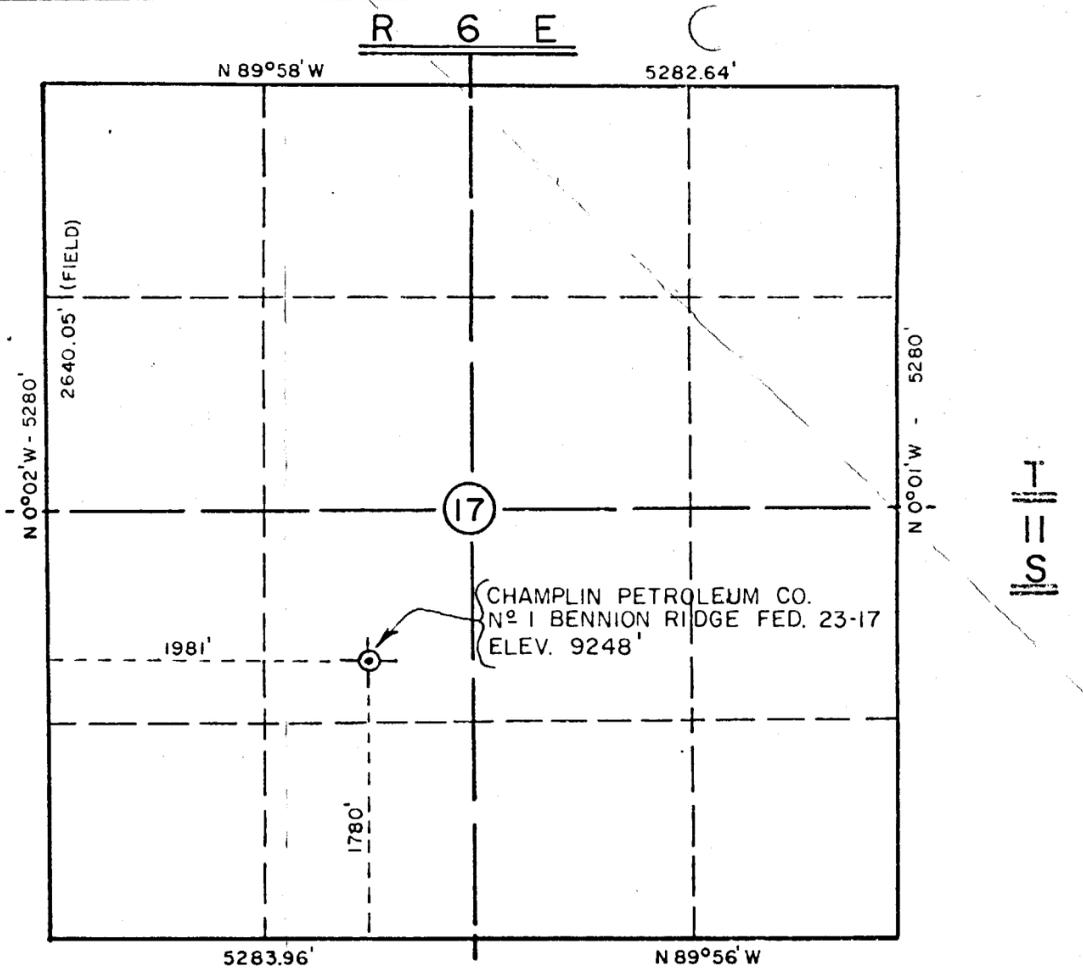
NOTES:
 ⊕ PIPE CORNERS LOCATED
 B.M. - U.S.G.S. N° 77RS, ELEV. 9198'
 U.S.G.S. QUAD - "C" CANYON, UTAH

T
11
S



REFERENCE POINTS

LOCATION	ELEV.
250' N.R.P.	
250' ERP	
250' S.R.P.	
250' W.R.P.	



LOCATION MAP
SCALE 1"=1000'

CERTIFICATE OF SURVEYOR

STATE OF WYOMING }
 COUNTY OF SWEETWATER } S.S.
 I, JOSEPH W. MANATOS, OF ROCK SPRINGS, WYOMING
 DO HEREBY CERTIFY THAT THIS MAP CORRECTLY
 SHOWS THE WELL LOCATION MADE FOR CHAMPLIN
 PETROLEUM CO. ON JULY 13, 1978.

Joseph W. Manatos
 UTAH R.L.S. N° 4806

MAP
SHOWING WELL LOCATION
FOR

CHAMPLIN PETROLEUM CO.
 N°1 BENNION RIDGE
 FEDERAL 23-17
 NE 1/4, SW 1/4, SECTION 17
 T 11 S, R 6 E
 UTAH COUNTY, UTAH
 JOHNSON-FERMELIA & CRANK, INC.
 ROCK SPRINGS, WYO.

DESIGNATION OF OPERATOR

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

DISTRICT LAND OFFICE: Salt Lake City, Utah
SERIAL NO.: U-14027

and hereby designates

NAME: Champlin Petroleum Company
ADDRESS: P. O. Box 1256
Englewood, Colorado 80150

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

Township 11 South, Range 6 East
Section 17: All

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

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

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

CONTINENTAL OIL COMPANY


.....
(Signature of lessee)

James B. Rose, Attorney in Fact
555 - 17th Street
Denver, Colorado 80202
.....
(Address)

January 24, 1978
.....
(Date)

Bennion Ridge
#1 Federal 23-17
Utah County, Utah

1. Existing Roads

See attached topographic map "A" to reach Champlin Petroleum Company's well located C NE SW Section 17, T11S, R6E, Utah County, Utah.

2. Planned Access Road

See topographic map "A". Since the proposed location will be approximately 10' from an existing road - Skyline Drive - there will not be an access road built. The existing road will be upgraded to meet U. S. Forest Service specifications.

3. Location of Existing Wells

<u>Distance from Proposed Location</u>	<u>Legal Description</u>	<u>Well Name</u>	<u>Type Well</u>
3 miles	Sec. 35, T11S, R6E	South Production #1 Pond Creek	Dry Hole

4. Location of Existing and/or Proposed Facilities

Champlin Petroleum Company does not operate any facilities within this area. All proposed production facilities will be contained within the proposed location site.

5. Location and Type of Water Supply

All water to be used will either be obtained from a water well or from the Left Fork of Clear Creek.

6. Source of Construction Material

Construction of the location will be borrow material from the construction of the drill site. No additional material from other sources will be required. See Exhibit "C" for cut and fill diagrams.

7. Disposal of Waste Material

All production waste, such as cuttings, salts and chemicals will be contained in the reserve pit and on completion of drilling activities will be buried with a minimum of 5' of cover. All garbage and trash will be hauled off and put in a sanitary landfill outside the forest. The reserve pit will be fenced on three sides during drilling activities and four sides after drilling ceases. Also, the entire location will be fenced. The mud pits will be allowed to dry before being buried.

8. Ancillary Facilities

Trailers will be available on the location site for the driller, geologist, and Champlin's drilling foreman. There will be four people living on the location for the duration of the drilling of the well.

9. Well Site Layout

See the attached location layout for basic layout of the drill site and the layout for any frac job that may take place. Also attached are the cut and fill diagrams.

10. Plans for Restoration of the Surface

Topsoil at the location will be stripped and stockpiled prior to any drilling or construction activities. After production activities have been completed, the location site and access road will be reshaped to the original contour and the topsoil spread over the disturbed area. Upon completion of drilling activities, fences around pits will be removed, reserve and trash pits will be buried. The location will be reseeded with native grass, etc. as per U. S. Forest Service specifications.

Bennion Ridge
#1 Federal 23-17
Utah County, Utah

1. Surface Formation: Flagstaff.

2. Estimated Tops of Geologic Markers:

Price River	1,900'
Blue Gate	5,950'
Dakota	9,050'
Twin Creek	12,000'
Sinbad	14,650'
Diamond Creek	15,850'
Great Blue Ls.	18,300'

3. Anticipated Productive Formations:

Ferron	7,450'
Dakota	9,050'
Twin Creek	12,000'
Nugget	12,500'
Sinbad	14,650'
Park City	15,350'
Diamond Creek Ls.	15,850'
Kirkman Ls.	16,250'
Oquirrh	17,050'
Great Blue Ls.	18,300'

4. Casing Program:

<u>From</u>	<u>To</u>	<u>Size, Weight, Grade & Thread</u>
0	3,500'	20", 106#/ft., K-55, LT&C, 8rd.
0	11,500'	13-3/8", 72#/ft., N-80, LT&C, 8rd.
0	14,000'	9-5/8", 53.5#/ft., C-75, LT&C
12,000'	18,500'	7", 36#/ft., SFJP

- A. Conductor casing will be set and cemented 50' below GR to surface.
- B. 20" casing will be set at 3500' and cement circulated back to surface.
- C. 13-3/8" casing will be set at 11500' and cemented with 1500 sx.
- D. 9-5/8" casing will be set at 14,000' and cemented with 1500 sx.
- E. 7" liner will be set at 10,500' and cemented with 1000 sx.

5. Pressure Control:

A hydraulic double gate 12" 10,000# preventer, with pipe and blind rams and a Hydril GK 10,000# preventer will be installed and tested after the 20" casing is set. Mud pits and flow lines will be monitored. Blowout preventers will be checked daily and pressure tested every 30 days.

6. Drilling Mud Program:

<u>Depth</u>	<u>Weight</u>	<u>Viscosity</u>	<u>Water Loss</u>	<u>Type Mud</u>
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4000-13500'	9.0-12.5	38-40	8-10	Low solids non dispers
13500-18500'	8.8-9.2	36-40	10-15	Brine water

7. Auxiliary Equipment to be Used:

Mud logging unit - degassing equipment on the shale shaker, pit volume recording equipment and flow sensor.

8. Testing, Logging and Coring:

A. Well Surveys

Dual Induction Laterlog, TD to base of surface casing.
BHC Sonic - GR with integrated time curve, TD to base of surface casing.
FDC CNL Neutron - over selected intervals.

B. Drill Stem Test

Approximately 4 DST's are planned.

C. Coring

Approximately 3 cores are planned.

D. Completion Program

The afore mentioned zones of interest will be perforated and tested, and if they are warranted, will be acidized and again tested and if needed will be fraced. The fracturing fluid will most likely be a water base fluid.

9. Abnormal Pressures and Temperatures:

No abnormal pressures or temperatures are expected to be encountered.

10. Starting Date and Duration:

The well will be spudded as soon as it has been approved and should take approximately 450 days to drill.

11. Other Information:

Topography of the general area consists of a fairly flat rolling terrain with drainage to the northeast into Left Fork of Clear Creek.

12. Operator's Representative:

Bennion Ridge
#1 Federal 23-17
Utah County, Utah

- 3 -

R. A. Scott
Champlin Petroleum Company
P.O. Box 700
Rock Springs, Wyoming

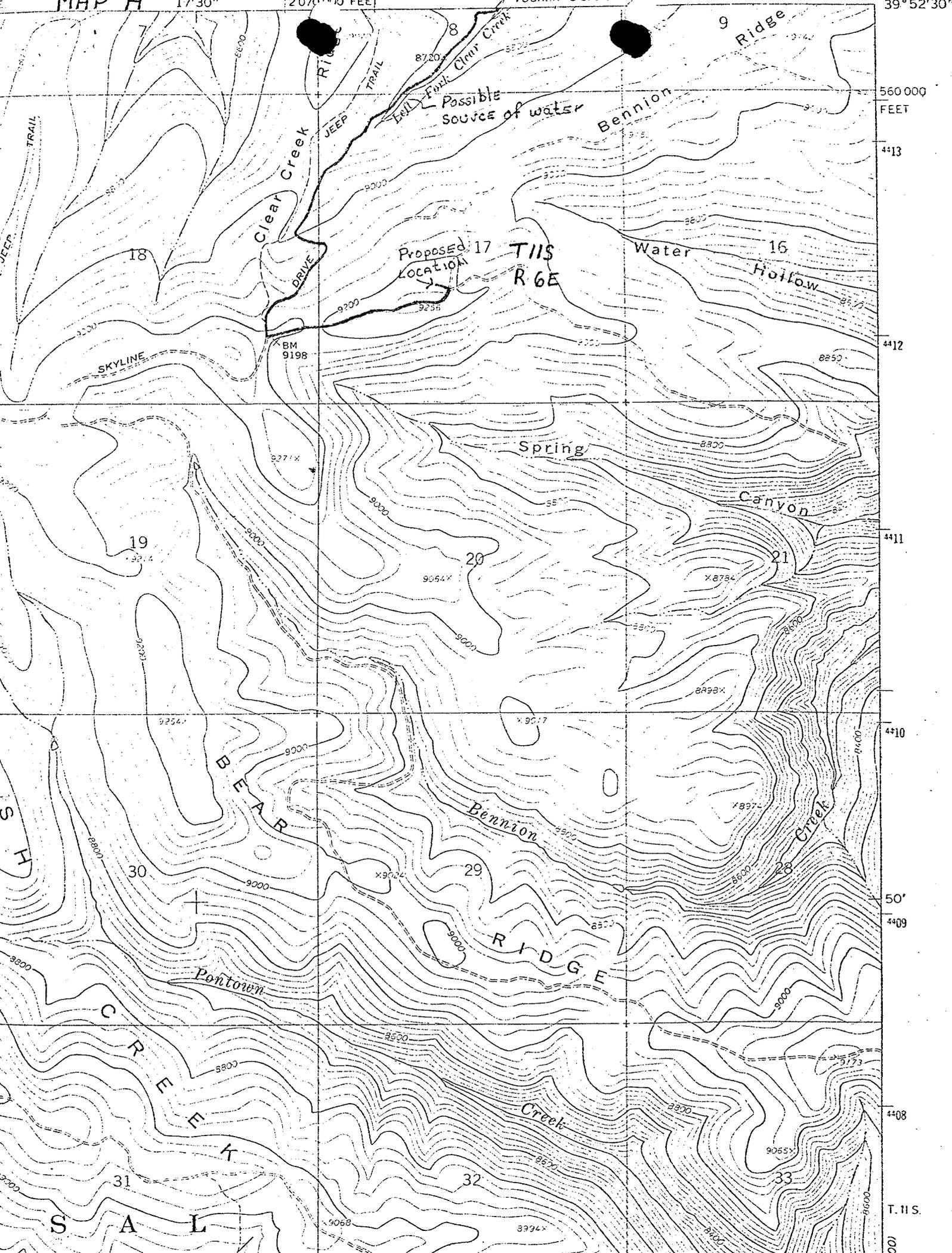
Phone: 307-362-5641

13. Certification:

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drillsite 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 Champlin Petroleum Company and its contractors and subcontractors in conformity under which it is approved.

1-30-78
Date

R.A. Scott



17 30 20 00 FEET

39° 52' 30"

560 000
FEET

4413

4412

4411

4410

50'

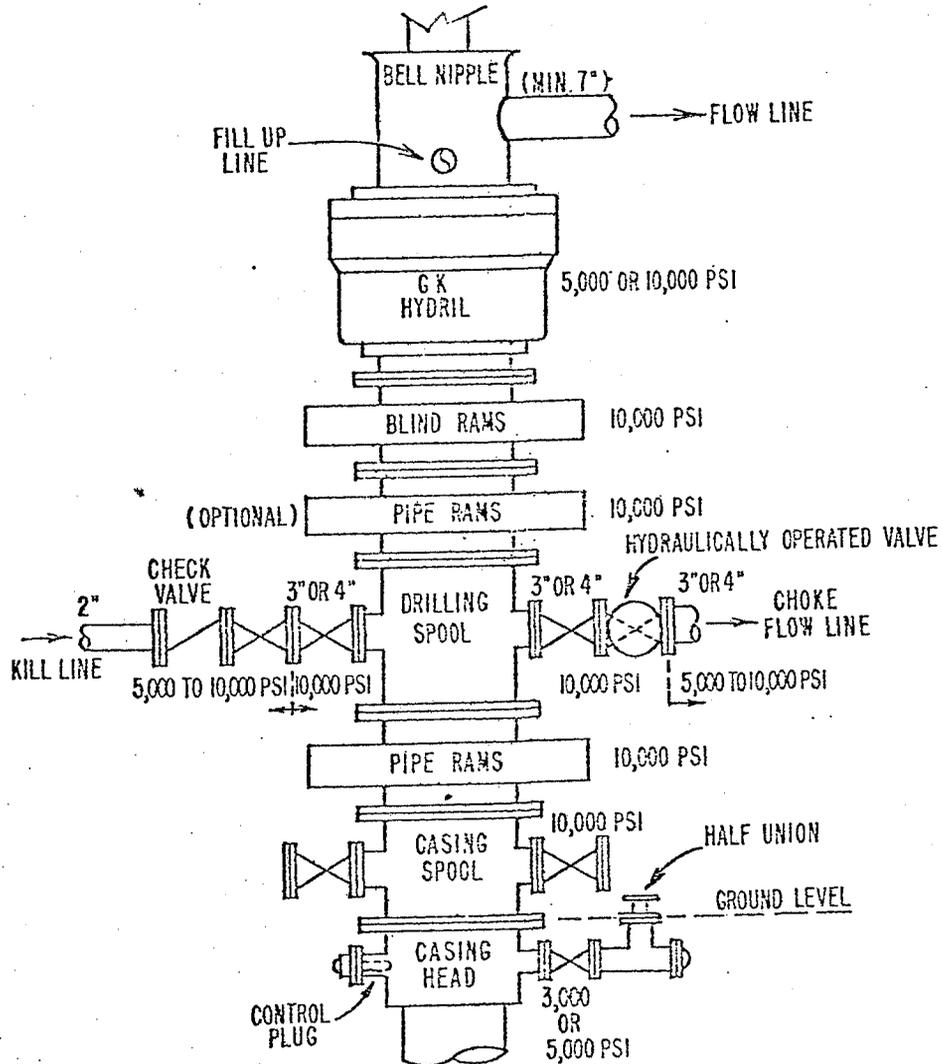
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T. 11 S.

00

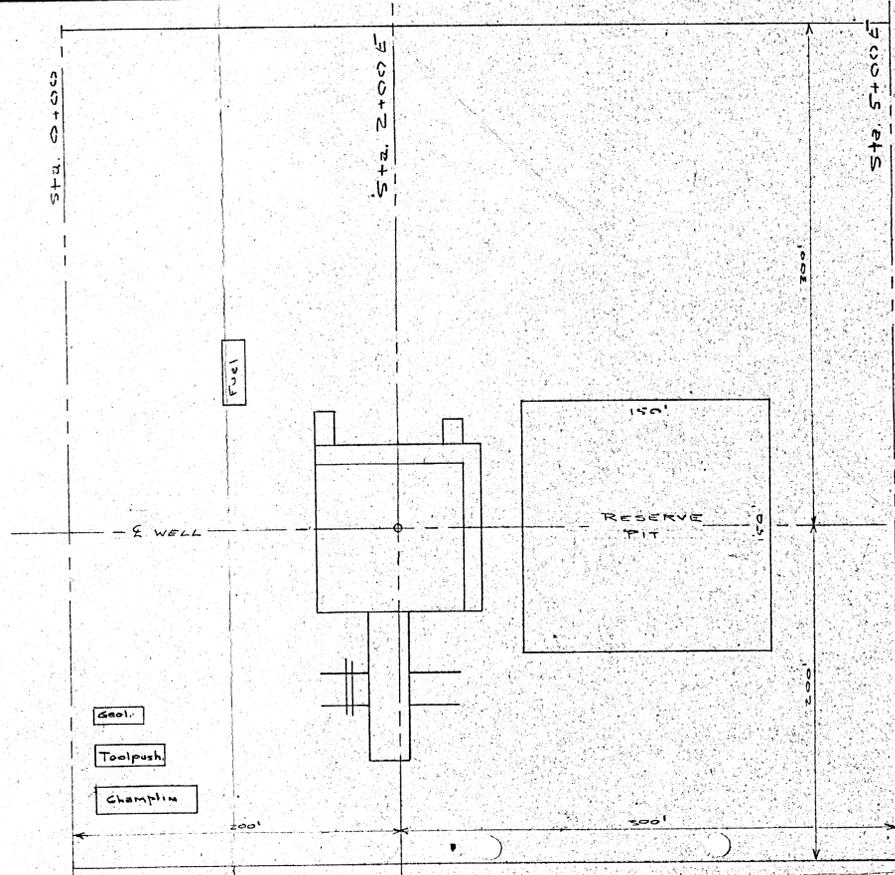
RECOMMENDED HOOKUP
FOR 10,000 PSI WP BLOWOUT PREVENTERS
WITH CASING SPOOL



PLAN 5

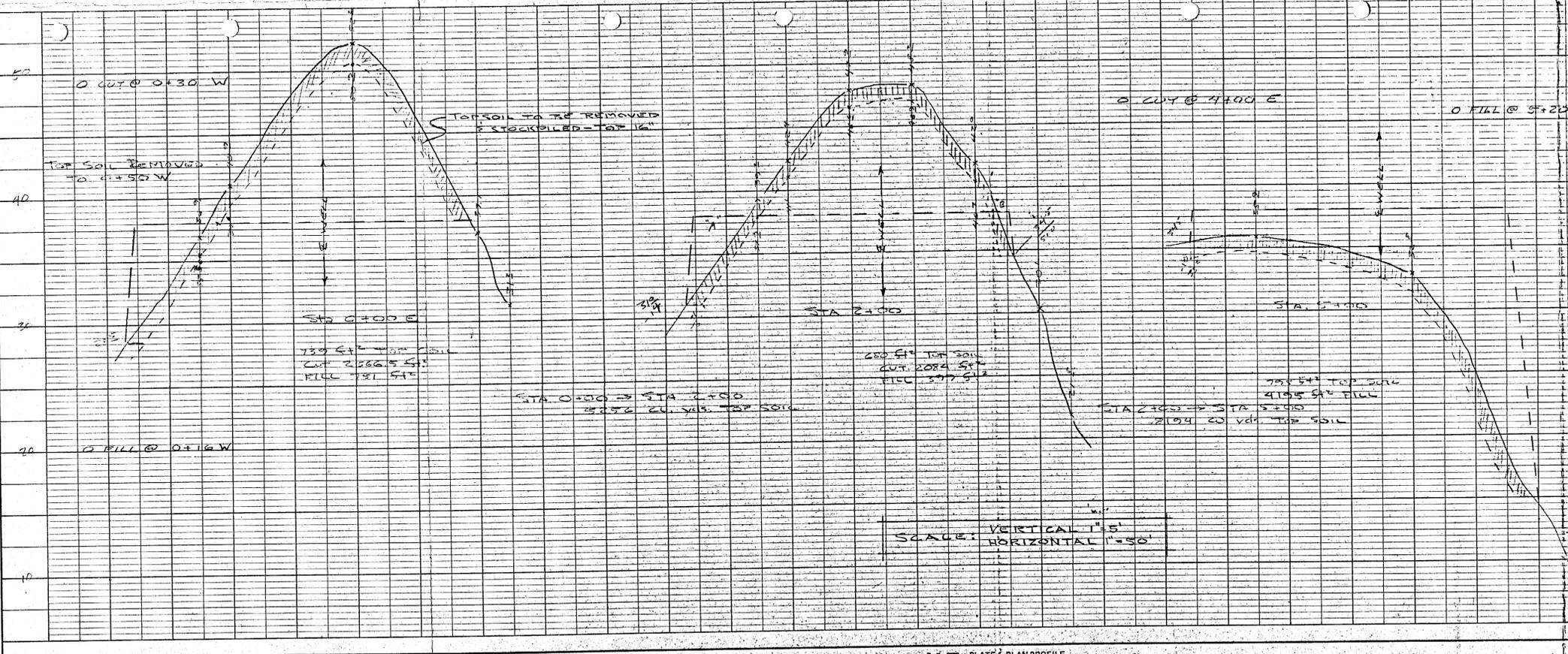
NOTE: WITHOUT DRILLING SPOOL USE OUTLETS UNDER
PIPE RAMS IN MIDDLE BOP FOR CHOKE FLOW
LINE AND KILL LINE.

DATE: _____
 BY: _____
 SURVEYED: _____
 PLAN NOTE BOOK ALIGNMENT CHECKED: _____
 NO. OF WAY CHECKED: _____
 No. _____



Scale 1"=50'

DATE: _____
 BY: _____
 SURVEYED: _____
 PROFILE NOTE BOOK ELEVATION CHECKED: _____
 No. _____



EXCAVATION		EMBANKMENT	
0+30 W →	0+00 →	0+16 W →	0+00 →
3500 E	1426 yds ³	0+00	223 yds ³
0+00 E →	2+00 E	0+00 E →	2+00 E
2+00 E	17,224 yds ³	2+00 E	4299 yds ³
2+00 E →	4+00 E	2+00 E →	5+00 E
4+00 E	7,719 yds ³	5+00 E	25,522 yds ³
TOTAL	29,369 yds ³	5+00 E →	5+00 E
(16" TOPSOIL NOT		5+00 E	1555 yds ³
INCLUDED IN THIS FIGURE)			31,077 yds ³
TOPSOIL		NOTE - QUANTITIES TO	
0+30 W →	0+00	BE BALANCED BY	
0+00	284 yds ³	REDUCING SIDE OR	
0+00 E →	2+00 E	LOCATION IN FILL	
2+00 E	5255 yds ³	AREAS, BY USE OF	
2+00 E →	5+00 E	MATERIAL FROM	
5+00 E	2194 yds ³	RESERVE PIT,	
5+00 E →	5+50 E	(2500 YDS, MORE	
5+50 E	736 yds ³	OR LESS), OR BY	
		LOWERING FINISH	
		ELEVATION OF	
		LOCATION ±.15 FT.	
TOTAL		4,264 yds ³	
		(to be stockpiled)	

SCALE: VERTICAL 1"=5'
 HORIZONTAL 1"=50'

PLAN & PROFILE FOR
 EARTHWORK QUANTITIES
 CHAMPLIN WELL LOCATION
 SOLDIER SUMMIT, UTAH
 JOHNSON-FERMELA AND CRANK, INC.
 EDGE SPRINGS, WYO.

143-0678



SCOTT M. MATHESON
Governor

OIL, GAS, AND MINING BOARD

GORDON E. HARMSTON
Executive Director,
NATURAL RESOURCES

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES

CHARLES R. HENDERSON
Chairman

CLEON B. FEIGHT
Director

DIVISION OF OIL, GAS, AND MINING

JOHN L. BELL
C. RAY JUVELIN
THADIS W. BOX
CONSTANCE K. LUNDBERG
EDWARD T. BECK
E. STEELE McINTYRE

1588 West North Temple
Salt Lake City, Utah 84116
(801) 533-5771
June 26, 1979

Champlin Petroleum Company
P. O. Box 700
Rock Springs, Wyoming 82901

Re: Well No. Newton Sheep #3
Sec. 9, T. 2N, R. 7E,
Summit County, Utah

Well No. H.J. Newton & Son Sheep #4
Sec. 9, T. 2N, R. 7E,
Summit County, Utah

✓ Well No. Bennion Ridge 23-17 ^{ADVT.} (8-3-78)
Sec. 17, T. 11S, R. 6E,
Utah County, Utah

Gentlemen:

In reference to 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.

Your prompt attention to the above will be greatly appreciated.

Very truly yours,

DIVISION OF OIL, GAS, AND MINING

Kathy Avila
KATHY AVILA
RECORDS CLERK

champlin 

June 29, 1979



State of Utah
Dept. of Natural Resources
Division of Oil, Gas, and Mining
1588 West North Temple
Salt Lake City, Utah 84116

Attn: Kathy Avila

Re: Well #3 Newton Sheep
Sec. 9, T2N, R7E
Summit County, Utah

Well #4 H. J. Newton & Son Sheep
Sec. 9, T2N, R7E
Summit County, Utah

Well #23-17 Bennion Ridge
Sec. 17, T11S, R6E
Utah County, Utah

Dear Kathy:

In reference to the above-mentioned wells, none of these wells have been spudded and none of these wells will be drilled.

I am sorry about the delay in notification.

Sincerely,

CHAMPLIN PETROLEUM COMPANY


C. A. Hansen
Drilling Engineer

CAH:dd

cc: Corres. File