

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 1257, Englewood, CO 80150

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)\*  
 At surface  
 1988' FNL and 562' FWL of Sec. 23-T36S-R25E (SWNW)  
 At proposed prod. zone

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*  
 25 miles south & 3 miles west of Monticello, Utah

15. DISTANCE FROM PROPOSED\* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 562'  
 18. NO. OF ACRES IN LEASE 640

18. DISTANCE FROM PROPOSED LOCATION\* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEAS, FT. None  
 19. PROPOSED DEPTH 5900'

21. ELEVATIONS (Show whether DF, RT, GR, etc.)  
 22. APPROX. DATE WORK WILL START\* Upon approval

5. LEASE DENOMINATION AND SERIAL NO.  
 U-36492  
 6. IF INDIAN, ALLOTTEE OR TRIBE NAME  
 7. UNIT AGREEMENT NAME  
 8. FARM OR LEASE NAME  
 Federal 12-23  
 9. WELL NO.  
 1  
 10. FIELD AND POOL, OR WILDCAT  
 Wildcat  
 11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
 Sec. 23-T36S-R25E  
 12. COUNTY OR PARISH  
 San Juan  
 13. STATE  
 Utah

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
24"	16"		50'	5 yds. construction cement
12 1/4"	9-5/8"	36#	1750'	680/sx
7-7/8"	5 1/2"	15.5#	5900'	225/sx

Set 24" conductor pipe @ 50'. Cement to surface.

Drill 12 1/4" hole to 1750'. Set 8-5/8" casing @ 1750' and cement back to surface.

Test BOP and surface casing before drilling out. WOC 24 hrs. BOP to be operated each day after drilling out.

Drill 7-7/8" hole to approximately 5900' TD. All shows of oil/gas will be tested.

In the event of commercial production, 5 1/2", 15.5# casing will be set and cemented to 500' above uppermost productive zone. A DV tool will be run 50' below all fresh water and cemented, if encountered below surface pipe.

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 Jay Daniel TITLE Engineering Assistant DATE 12/14/82  
 by L. Daniel

(This space for Federal or State office use)

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

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

CONDITIONS OF APPROVAL, IF ANY:

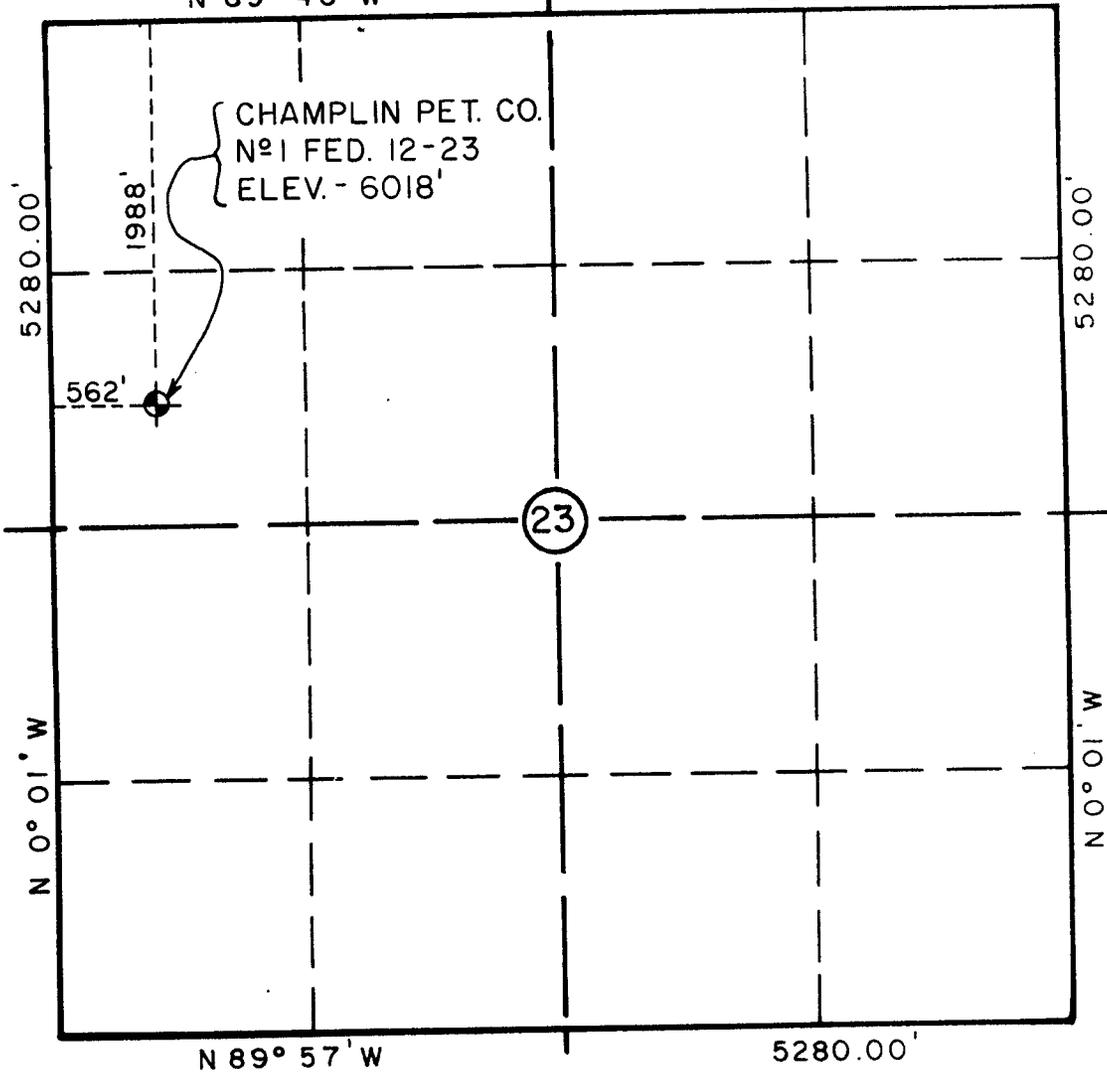
APPROVED BY THE STATE  
 OF UTAH DIVISION OF  
 OIL, GAS, AND MINING

DATE: 1-6-83  
 BY: Norman Stout

R 25 E

N 89° 46' W

5278.68'



ANCE POINTS

<u>ON</u>	<u>ELEV.</u>
	6010'
	6004'
	6003'
	6006'
	6023'
	6023'
	6030'
	6023'

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 ON NOVEMBER 16, 1982.

*Joseph W. Manatos*

UTAH R. L. S. NO. 4806

MAP

SHOWING WELL LOCATION  
FOR

CHAMPLIN PETROLEUM CO

N° 1 FEDERAL 12-23

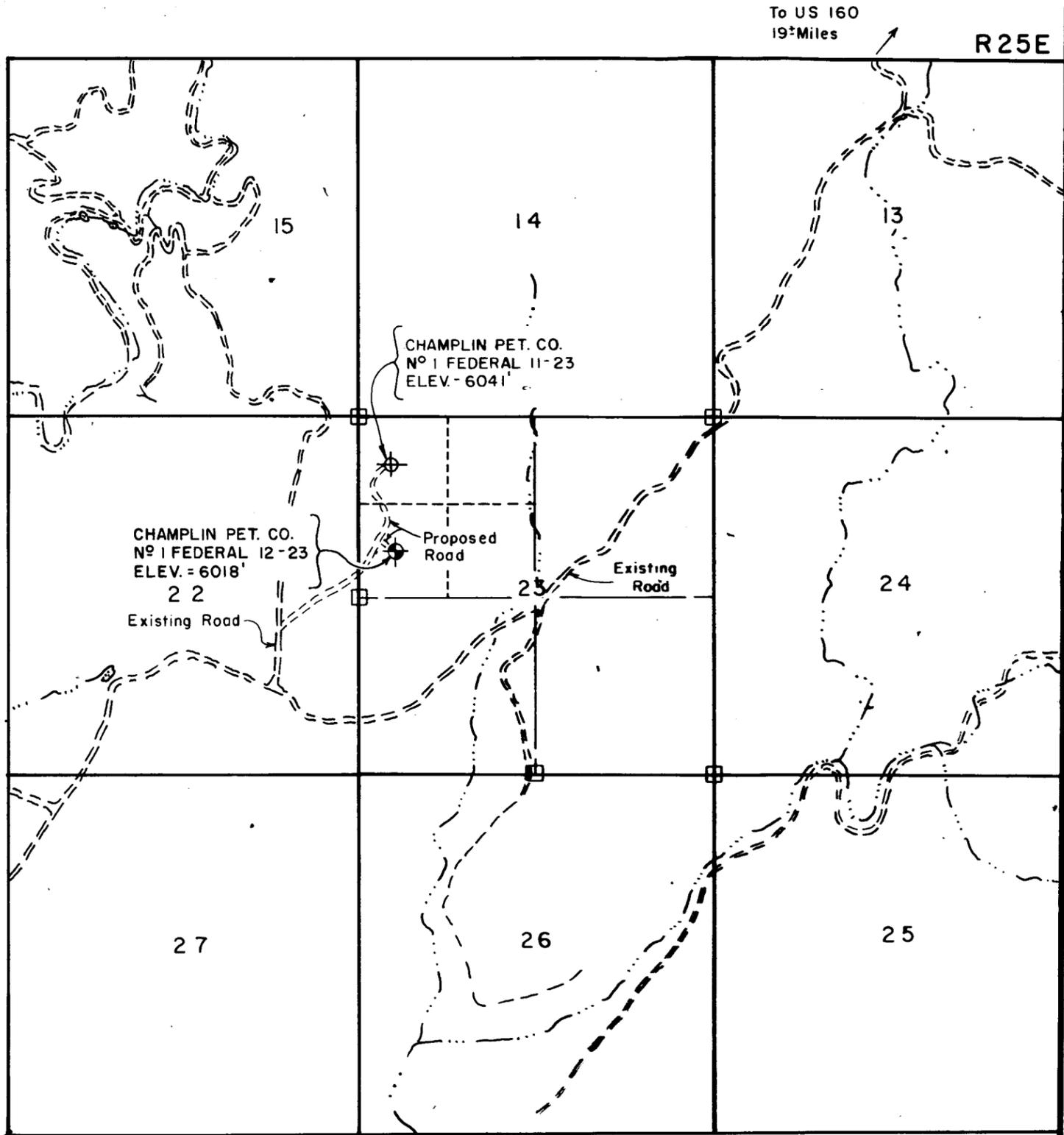
SW 1/4; NW 1/4, SECTION 23

T 36 S, R 25 E

SAN JUAN COUNTY, UTAH  
JOHNSON-FERMELIA & CRANK, INC.  
ROCK SPRINGS, WYO.

JOB NO. 1254 - 1182

T  
36  
S

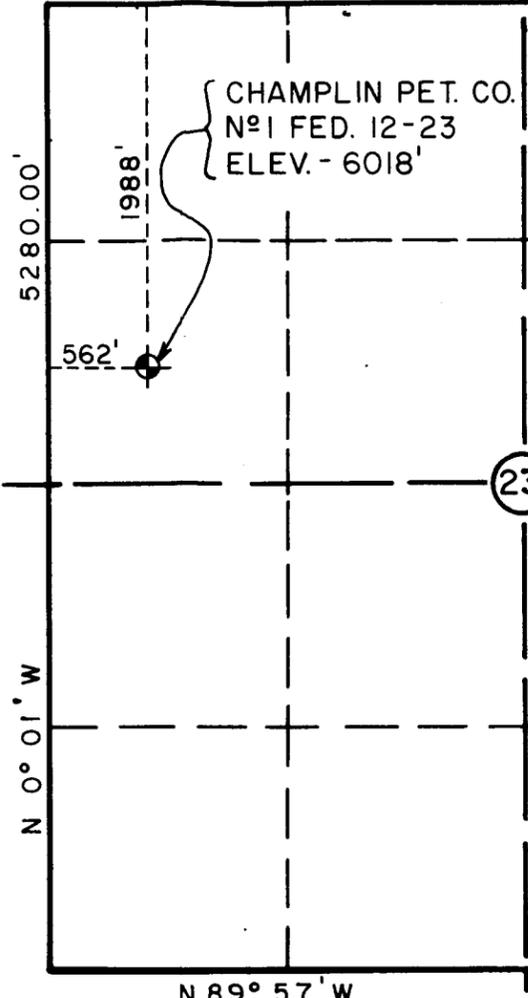


To US 160  
19 1/2 Miles

R25E R26E

R 25

N 89° 46' W



REFERENCE POINTS

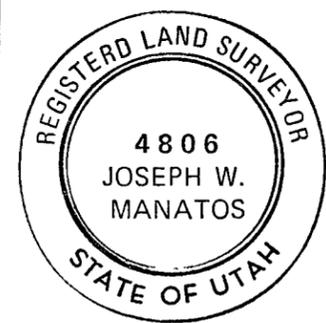
<u>LOCATION</u>	<u>ELEV.</u>
N 200'	6010'
NE COR.	6004'
E 200'	6003'
SE COR.	6006'
S 200'	6023'
SW COR.	6023'
W 200'	6030'
NW COR.	6023'

LOCATION  
SCALE: 1" = 2000'

VICINITY MAP  
SCALE: 1" = 2000'

**NOTES:**

- ⊕ PIPE CORNERS LOCATED
- B.M. - U.S.G.S. SPOT ELEVATION - 6664'
- U.S.G.S. QUAD - MONUMENT CANYON UTAH-COLO.

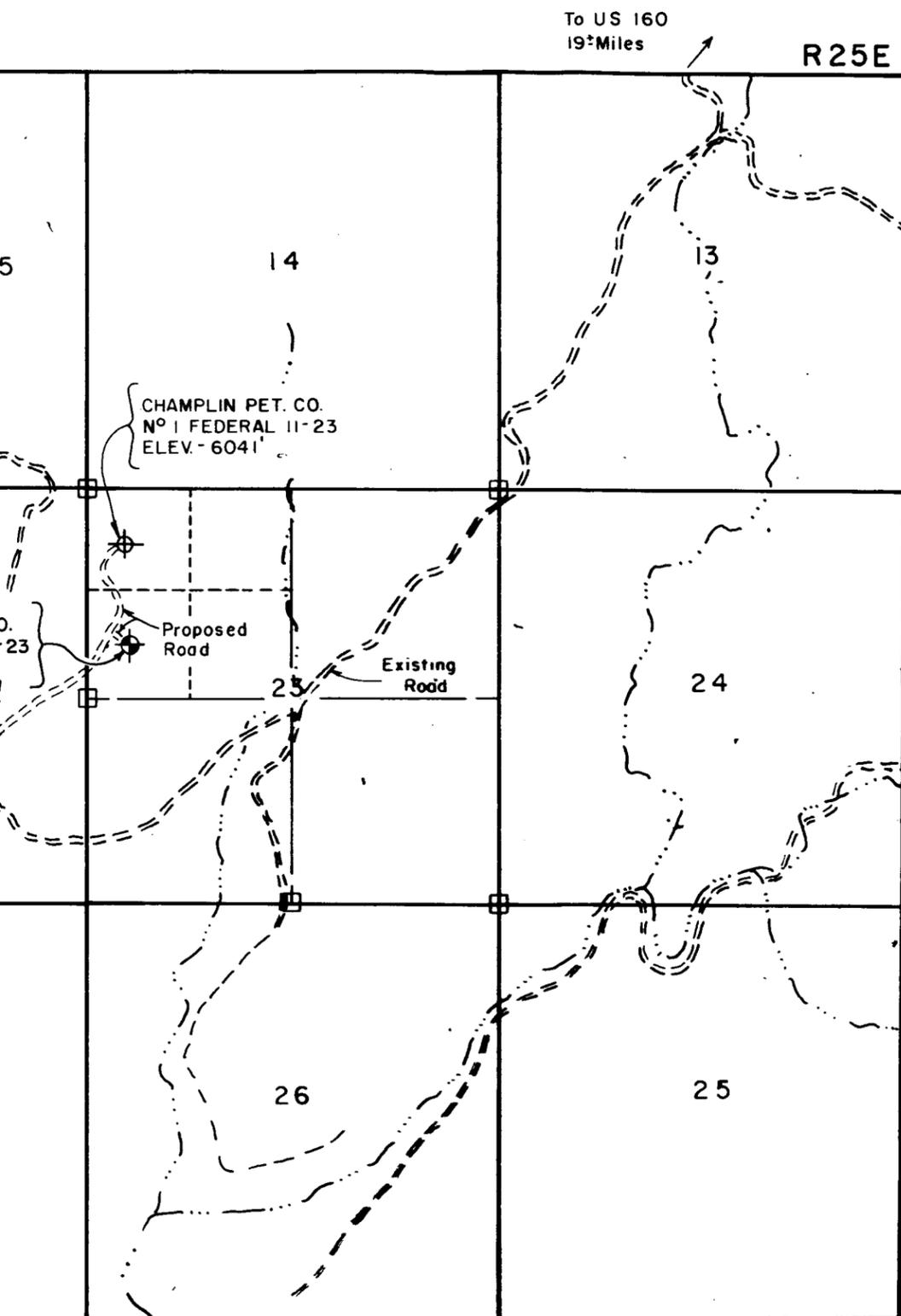


CERTIFICATE OF SURVEYOR

STATE OF WYOMING }  
COUNTY OF SWEETWATER } S.S.

I, JOSEPH W. MANATOS, OF ROCK SPRINGS, WYO DO HEREBY CERTIFY THAT THIS MAP CORRECT SHOWS THE WELL LOCATION MADE FOR CHAM PETROLEUM ON NOVEMBER 16, 1982.

*Joseph W. Manatos*  
UTAH R.L.S. NO. 4806



**VICINITY MAP**  
SCALE: 1" = 2000'

ATED  
ATION-6664'  
CANYON UTAH-COLO.



**REFERENCE POINTS**

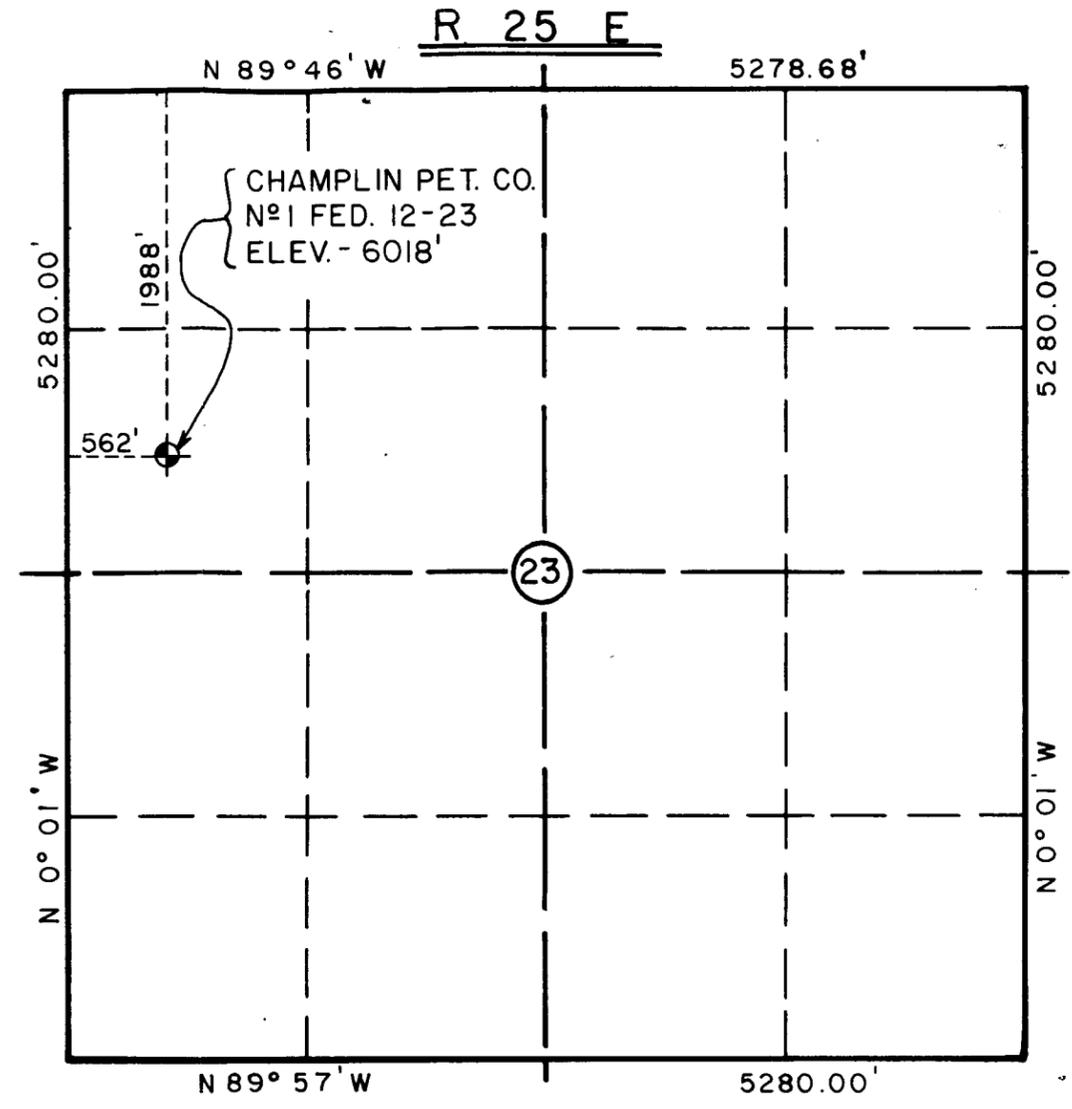
LOCATION	ELEV.
N 200'	6010'
NE COR.	6004'
E 200'	6003'
SE COR.	6006'
S 200'	6023'
SW COR.	6023'
W 200'	6030'
NW COR.	6023'

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*Joseph W. Manatos*  
UTAH R. L. S. NO. 4806

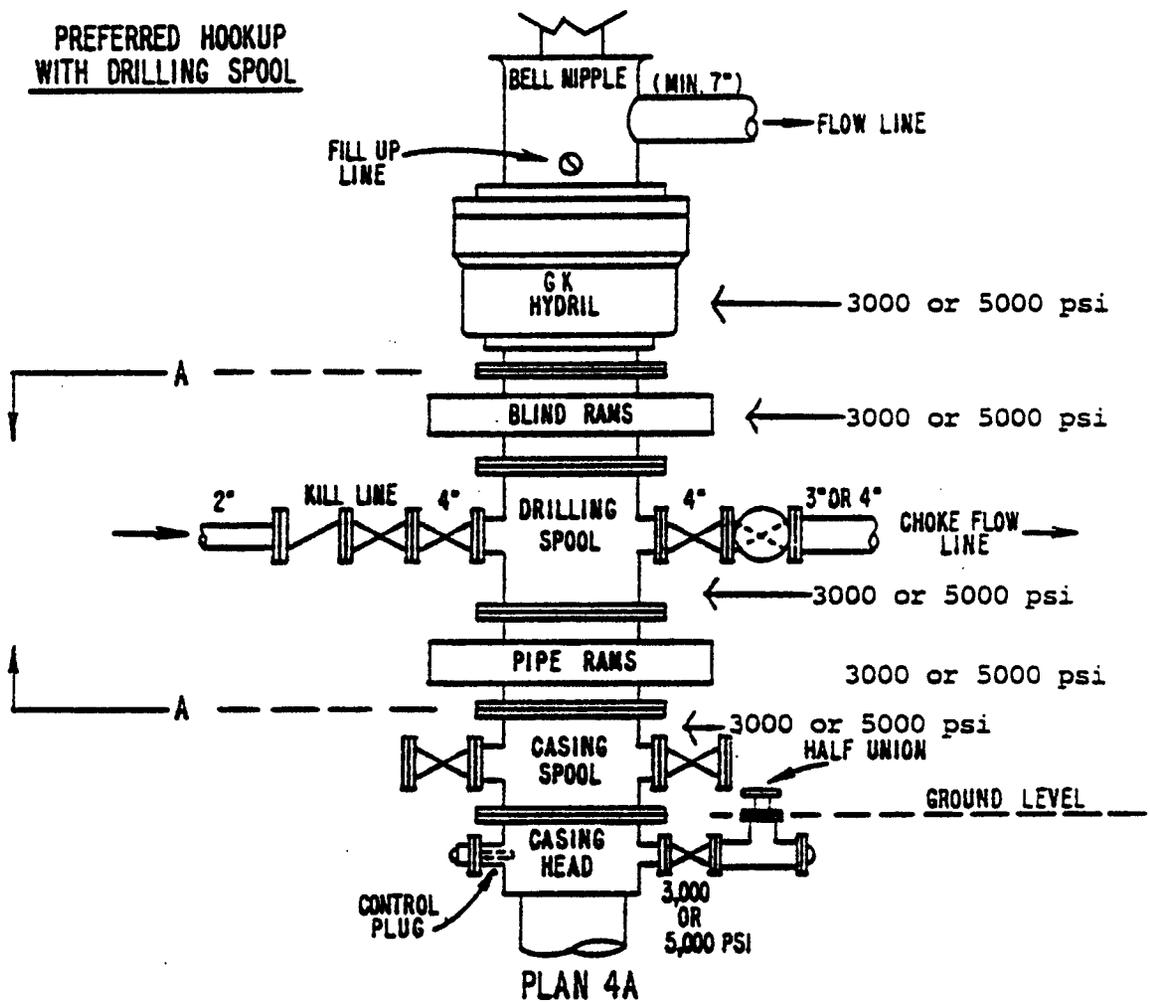


**LOCATION MAP**  
SCALE: 1" = 1000'

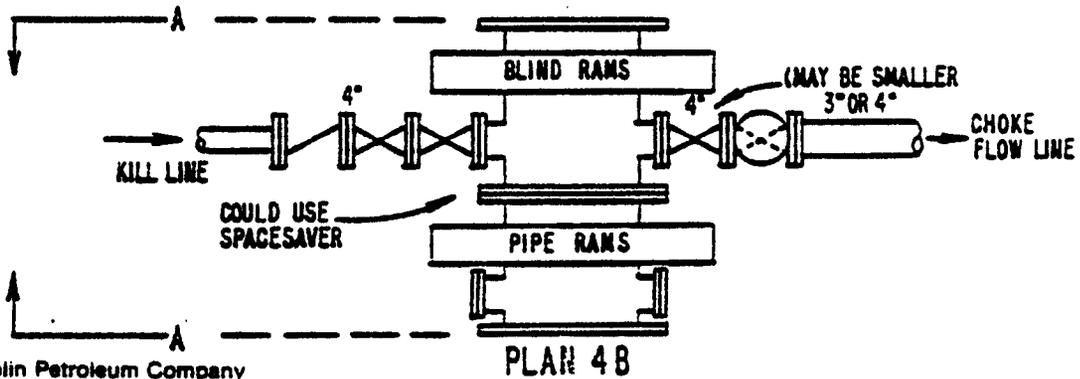
**MAP**  
SHOWING WELL LOCATION  
FOR  
**CHAMPLIN PETROLEUM CO.**  
N° 1 FEDERAL 12-23  
SW 1/4; NW 1/4, SECTION 23  
T 36 S, R 25 E  
SAN JUAN COUNTY, UTAH  
JOHNSON-FERMELIA & CRANK, INC.  
ROCK SPRINGS, WYO.



RECOMMENDED HOOKUP  
FOR 3000 or 5000 PSI WP BLOWOUT PREVENTERS  
WITH CASING SPOOL



ALTERATE HOOKUP WITHOUT DRILLING SPOOL



Champlin Petroleum Company  
Denver Region  
P.O. Box 1257  
Englewood, Colorado 80150  
303/779-0079

#1 FEDERAL 12-23  
Section 23, T-36-S, R-25-E  
Lease #U-36492  
San Juan County, Utah

TEN-POINT COMPLIANCE PROGRAM  
OF NTL-6 APPROVAL OF OPERATIONS

1. Geologic Name of the Surface Formation
  - A. Quaternary Eolian Deposits Mantling.
  - B. Jurassic Morrison Formation Deposits.
2. Estimated Tops of Important Geologic Markers

<u>Formation</u>	<u>Depth</u>	<u>Structural Elevation</u>
Summerville	604	5,415
Entrada	633	5,386
Carmell	796	5,223
Navajo	826	5,193
Kayenta	1,207	4,812
Wingate	1,367	4,652
Chinle	1,695	4,324
Shinarump	2,311	3,708
Moenkopi	2,401	3,618
Cutler	2,463	3,556
Honaker Trail	4,319	1,700
Upper Ismay	5,497	522
Hovenweep Shale	5,621	398
Lower Ismay	5,691	328
Gothic Shale	5,731	288
Desert Creek	5,764	255
First Anhydrite	5,778	241
Second Anhydrite	5,816	203
Top Gross Pay Zone	5,824	195
Chimney Rock Shale	5,862	157
Akah	5,868	151
TD	5,900	119

3. Estimated Depths of Anticipated Water, Oil, Gas or Other Minerals
  - 0-1,367' Possible fresh water in sandstones (Entrada, Navajo, Kayenta, Wingate).
  - 2,400-4,316' Probable salt water in scattered sandstones (Cutler, Honaker Trail)
  - 5,500-5,700' Possible shows of gas, oil and/or water from carbonates. (Upper Ismay-Lower Ismay)
  - 5,760-5,820' Primary objective for oil/gas (Desert Creek)

#1 FEDERAL 12-23  
 NW NW Section 23, T-36-S, R-25-E  
 Lease #36492  
 San Juan County, Utah

4. The Proposed Casing Program

Casing Design

<u>Casing String</u>	<u>Hole Size</u>	<u>Interval</u>	<u>Section Length</u>	<u>Size (OD)</u>	<u>Weight, Grade, &amp; Jt.</u>	<u>New or Used</u>	<u>Mud Weight</u>	<u>Tension Load</u>	<u>SF t</u>	<u>SF c</u>	<u>SF b</u>
Conductor	24"	0-50'	50'	18"	---	New	None	---	---	---	---
Surface	12-1/4"	50-1750'	1750'	9-5/8"	36# - K55 ST&C	New	9.0	39.6M	2+	2+	1.2+
Production	7-7/8"	1750-5000'	5900'	5-1/2"	15.5# - K55 ST&C	New	9.4	77.5M	2+	1.4+	1.1+

Cementing Program

Conductor: 5 yards construction cement

Surface: 680 sacks

Production: 175 sacks

#1 FEDERAL 12-23  
Section 23, T-36-S, R-25-E  
Lease #U-36492  
San Juan County, Utah

5. The Operator's Minimum Specifications for Pressure Control

EXHIBIT "A" is a schematic diagram of the blowout preventer equipment. The BOP will be hydraulically tested to the full working pressure after nipping up and after any use under pressure. Pipe rams will be operationally checked every 24-hour period, as well as blind rams and annular preventer each time pipe is pulled out of hole. Such checks of BOP will be noted on the daily drilling report.

Accessories to BOP will include an upper and lower Kelly cock, floor safety valve, drill string BOP and choke manifold with pressure rating equivalent to the BOP stock.

6. The Type and Characteristics of the Proposed Circulating Mud

Mud system will have fresh water gel-chemical with adequate stocks of sorptive agents on site to handle possible spills of fuel and oil on the surface. Heavier muds will be on location to be added if pressure requires.

Mud Program:

	<u>WT</u>	<u>VISC</u>	<u>WL</u>	<u>Remarks</u>
0-1100'	8.8	28-45	N/C	Gel-Lime
1100-5900'	9.2	35-50	20-10	Gel, with light chemical treatment

Note: Base liquid is fresh water.

Sufficient mud volumes and materials will be maintained on location to overcome any minor difficulties due to lost circulation or higher than anticipated formation pressures.

7. The Auxiliary Equipment to be Used

- A. A kelly cock will be kept in the string at all times.
- B. A float will be used at the bit at all times.
- C. A mud logging unit will be monitoring the system.
- D. A stabbing valve will be on the floor to be stabbed into the drill pipe when kelly is not in the string.

#1 FEDERAL 12-23  
Section 23, T-36-S, R-25-E  
Lease #U-36492  
San Juan County, Utah

8. The Testing, Logging, and Coring Programs to be Followed:

A. Drillstem Tests

Desert Creek (scheduled)  
Upper Ismay (possible)  
Honaker Trail (possible)

B. Cores

Desert Creek

Interval

Bottom 2nd Anhydrite to Top of Chimney  
Rock Shale (or 30 feet)

C. Analyses

Water analyses from each drillstem test  
Oil analyses from each drillstem test  
Conventional core analyses using whole core

D. Mudlogging

Two-man 24 hour unit on site from bottom surface casing to TD. 30'  
sample intervals to 4,000', then 10' thereafter.

E. Wireline Logs

Compensated Neutron-Formation Density  
Borehole compensated Sonic Log  
Dual Induction SFL

Interval

TD to 4,000'  
TD to bottom surface casing  
TD to bottom surface casing

F. Acidizing or Fracturing programs are not contemplated at this time. Appropriate Sundry Notice will be submitted prior to conducting these operations if they become necessary.

G. Normal completion is anticipated. If treatment is indicated after evaluation of logs, appropriate Sundry Notices will be submitted.

9. Any Anticipated Abnormal Pressures or Temperatures

No abnormal pressures or temperatures have been noted or reported in wells drilled in the area nor at the depths anticipated in this well.

No hydrogen sulfide or other hazardous fluids or gases have been found, reported or known to exist at these depths in the area.

10. Anticipated Starting Date and Duration of the Operations

The anticipated starting date is set for December, or as soon as possible after examination and approval of the drilling requirements. Operations should be completed within 25 days.

OPERATOR CHAMPLIN PETROLEUM CO DATE 1-6-83

WELL NAME FED 12-23 #1

SEC SWNW 23 T 36S R 25E COUNTY SAN JUAN

43-037-30865  
API NUMBER

FED  
TYPE OF LEASE

POSTING CHECK OFF:

INDEX

HL

NID

PI

MAP

PROCESSING COMMENTS:

NO WELLS WITHIN 1000'

*RJK* ✓

APPROVAL LETTER:

SPACING:  A-3 \_\_\_\_\_ UNIT

c-3-a \_\_\_\_\_ CAUSE NO. & DATE

c-3-b

c-3-c

SPECIAL LANGUAGE:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

RECONCILE WELL NAME AND LOCATION ON APD AGAINST SAME DATA ON PLAT MAP.

AUTHENTICATE LEASE AND OPERATOR INFORMATION

VERIFY ADEQUATE AND PROPER BONDING *FLED*

AUTHENTICATE IF SITE IS IN A NAMED FIELD, ETC.

APPLY SPACING CONSIDERATION

ORDER NO

UNIT NO - MONUMENT CANYON 15 TEAM.

c-3-b

c-3-c

OUTSTANDING OR OVERDUE REPORTS FOR OTHER WELLS OF THE OPERATOR.

IF POTASH DESIGNATED AREA, SPECIAL LANGUAGE ON APPROVAL LETTER

January 6, 1983

Champlin Petroleum Company  
P. O. Box 1257  
Englewood, Colorado 80150

RE: Well No. Fed. 12-23 #1  
SWNE Sec. 23, T.36S, R.25E  
San Juan County, Utah

Gentlemen:

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

RONALD J. FIRTH - Engineer  
Office: 533-5771  
Home: 571-6068

OR

CLEON B. FEIGHT - Director  
Office: 533-5771  
Home: 466-4455

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 43-037-30865.

Sincerely,

Norman C. Stout  
Administrative Assistant

NCS/as  
cc: MMS  
Enclosure

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

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 Champlin Petroleum Company

3. ADDRESS OF OPERATOR  
 P. O. Box 1257, Englewood, CO 80150

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)\*  
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 At proposed prod. zone

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*  
 25 miles south & 3 miles west of Monticello, Utah

15. DISTANCE FROM PROPOSED\* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any)  
 562'

18. DISTANCE FROM PROPOSED LOCATION\* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.  
 None

21. ELEVATIONS (Show whether DF, RT, GR, etc.)  
 5900' 18 1983

5. LEASE DESIGNATION AND SERIAL NO.  
 U-36492

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME  
 Federal 12-23

9. WELL NO.  
 1

10. FIELD AND POOL, OR WILDCAT  
 Wildcat

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
 Sec. 23-T36S-R25E

12. COUNTY OR PARISH  
 San Juan

13. STATE  
 Utah

16. DEPTH OF WELL TO THIS WELL

17. NO. OF ACRES ASSIGNED TO THIS WELL

20. PRIMARY OR CABLE TOOLS  
 0 - TD Rotary

22. APPROX. DATE WORK WILL START\*  
 Upon approval

RECEIVED

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
24"	16"		50'	5 yds. construction cement
12 1/4"	9-5/8"	36#	1750'	680 sx
7-7/8"	5 1/2"	15.5#	5900'	225 sx

MINERALS MANAGEMENT SERVICE  
DURANGO, CO

Set 24" conductor pipe @ 50'. Cement to surface.

Drill 12 1/4" hole to 1750'. Set 8-5/8" casing @ 1750' and cement back to surface.

Test BOP and surface casing before drilling out. WOC 24 hrs. BOP to be operated each day after drilling out.

Drill 7-7/8" hole to approximately 5900' TD. All shows of oil/gas will be tested.

In the event of commercial production, 5 1/2" , 15.5# casing will be set and cemented to 500' above uppermost productive zone. A DV tool will be run 50' below all fresh water and cemented, if encountered below surface pipe.

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 Joy L. Daniel TITLE Engineering Assistant DATE 12/14/82

PERMIT NO. \_\_\_\_\_ APPROVAL DATE JAN 17 1983

APPROVED BY E. W. GUYNN FOR DISTRICT OIL & GAS SUPERVISOR DATE \_\_\_\_\_

CONDITIONS OF APPROVAL, IF ANY:

NOTICE OF APPROVAL  
State & land G

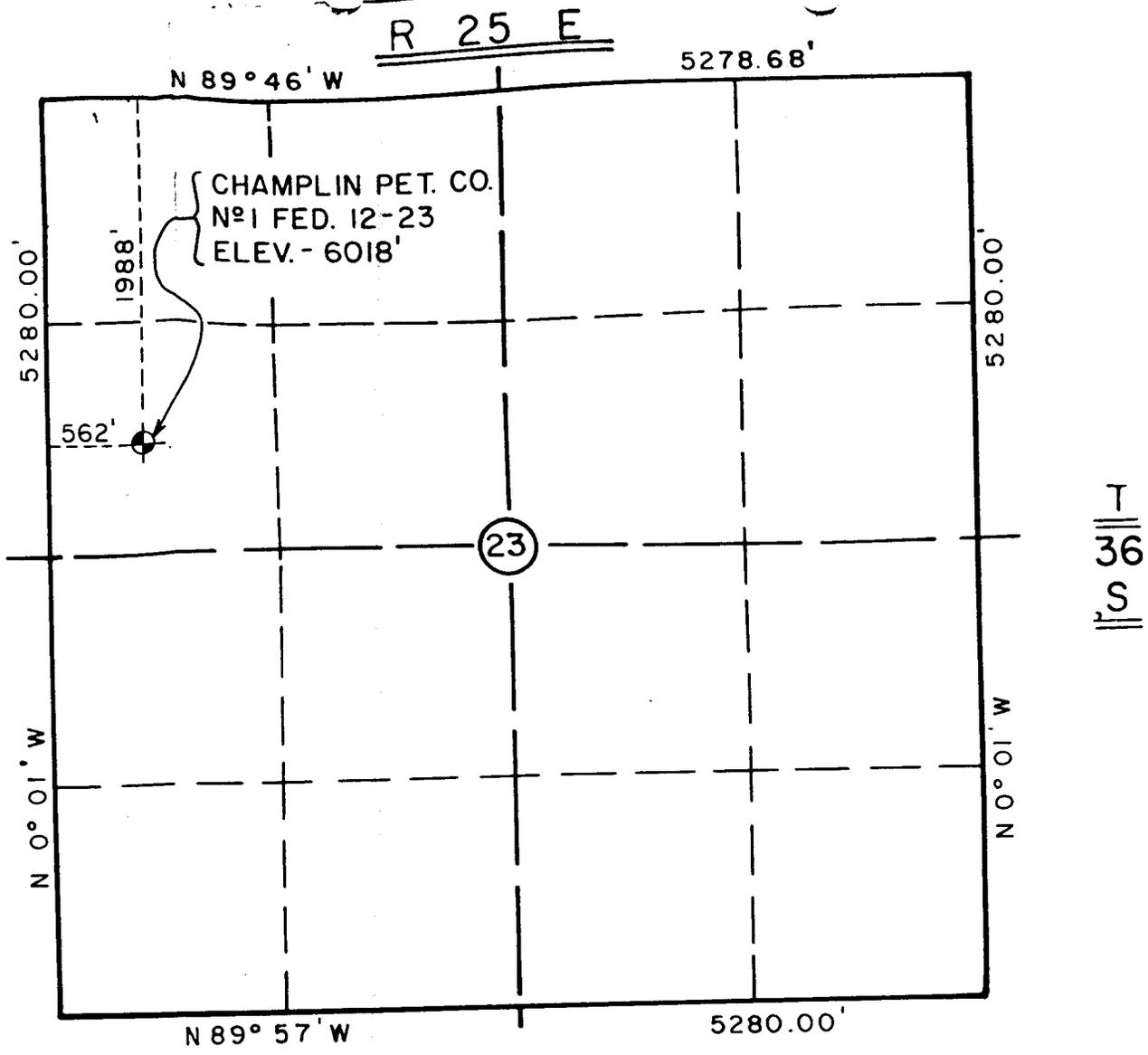
CONDITIONS OF APPROVAL ATTACHED TO OPERATOR'S COPY

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

Champlin Petroleum Company  
Well No. 1  
Section 23, T36S, R25E  
San Juan County, Utah  
Lease U-36492

#### Supplemental Stipulations

1. The operator will give the dirt contractor a copy of the Surface Use Plan and any additional BLM stipulations prior to any work.
2. The top twelve inches of soil material will be stockpiled. The Application for Permit to Drill mistakenly states only 6 inches.
3. Adequate and sufficient electric/radioactive logs will be run to locate and identify potash (and saline minerals) in the paradox formation. Casing and cementing programs will be adjusted to eliminate any potential influence of the well bore or productive hydrocarbon zones on the potash (and saline minerals) resource. Surface casing program may require adjustment for protection of fresh water aquifers.
4. Laydown south-30<sup>o</sup>-east.



POINTS

ELEV.

- 6010'
- 6004'
- 6003'
- 6006'
- 6023'
- 6023'
- 6030'
- 6023'

LOCATION MAP

SCALE: 1"=1000'

CERTIFICATE OF SURVEYOR

STATE OF WYOMING  
COUNTY OF SWEETWATER

} S.S.

JOSEPH W. MANATOS, OF ROCK SPRINGS, WYOMING  
HEREBY CERTIFY THAT THIS MAP CORRECTLY  
SHOWS THE WELL LOCATION MADE FOR CHAMPLIN  
PETROLEUM ON NOVEMBER 16, 1982.

*Joseph W. Manatos*

REGISTERED PROFESSIONAL SURVEYOR  
NO. 4806

MAP

SHOWING WELL LOCATION  
FOR

CHAMPLIN PETROLEUM CO.

N° 1 FEDERAL 12-23  
SW 1/4; NW 1/4, SECTION 23  
T 36 S, R 25 E

SAN JUAN COUNTY, UTAH  
JOHNSON-FERMELIA & CRANK, INC.  
ROCK SPRINGS, WYO.

Exhibit One

# champlin

## DRILL STEM TEST REPORT

WELL: #1 Federal 12-23 PTD: 4814 DST-NO.: #1 DATE: 3-20-83  
TESTING CO.: NADCO TYPE TEST: CONV ZONE NAME: Donaku Trail  
TEST INTERVAL: 4814-4750 BHC: 14 SURF. CHOKE: VAR SIZE & WT. D.P.: 4 1/2 16.60"  
TYPE CUSHION & AMOUNT: NONE MUD LEVEL HELD DURING TEST: NO  
INITIAL OPEN: \_\_\_\_\_ MIN. DESCRIPTION OF SURFACE FLOW, Degree of Blow, Time Gas to Surface & Rate, Time Liquid to Surface & Rate: \_\_\_\_\_

INITIAL SHUT-IN: \_\_\_\_\_ MIN. FINAL OPEN: \_\_\_\_\_ MIN. DESCRIPTION OF SURFACE FLOW, Degree of Blow, Time Gas to Surface, Chokes, Pressures & Rates. Time liquid to Surface, Chokes, Pressures & Rates. GOR & Water cut, Oil & Gas Gravities: \_\_\_\_\_

ODORS & APPEARANCES: \_\_\_\_\_

FINAL SHUT-IN: \_\_\_\_\_ MIN. LIQUID REVERSED, BBIs Oil, Water & Other: \_\_\_\_\_

DRILL PIPE RECOVERY, Ft. of Gas, Oil, Water & Other: \_\_\_\_\_

SAMPLER RECOVERY, Pressure, Volumes, Indicated Ratios or Percents, Oil Gravity & Appearance, Oil & Gas Odors, Water-Mud Filtrate Resistivity @ Temp. & Chlorides: \_\_\_\_\_

DST PRESSURES (Record Pressure at end of DST function and indicate whether increasing, decreasing or stable - if stable, record duration):

IFP: \_\_\_\_\_ ISIP: \_\_\_\_\_  
FFP: \_\_\_\_\_ FSIP: \_\_\_\_\_  
IHP: \_\_\_\_\_ FHP: \_\_\_\_\_ BHT: \_\_\_\_\_

Res. of Pit Mud Filtrate @ Temp. & Chlorides: \_\_\_\_\_  
Add'l info, such as mechanical problems, etc. \_\_\_\_\_

*#1 DST to A MISRUN NOT GET  
COULD NOT GET  
EFFEKTIVE  
PACKER SET*

*Rec 1200' mud*

# champlin

## DRILL STEM TEST REPORT

WELL: #1 Federal 12-23 PTD: 4814 DST NO.: 2 DATE: 3-21-83

TESTING CO.: NAWCO TYPE TEST: CONV ZONE NAME: HONOKA'E TICAL

TEST INTERVAL: 4786-4814 BHC: 21 SURF. CHOKE: 8 1/4" SIZE & WT. D.P.: 4 1/2 16.60"

TYPE CUSHION & AMOUNT: NONE MUD LEVEL HELD DURING TEST: YES!

INITIAL OPEN: 15 MIN. DESCRIPTION OF SURFACE FLOW, Degree of Blow, Time Gas to Surface & Rate, Time Liquid to Surface & Rate: Open w/ weak flow Bottom of bucket in one minute. Increase to 120g in 12 min. hold then slow to end of flow period. NO GAS TO SURFACE

INITIAL SHUT-IN: 60 MIN. FINAL OPEN: 60 MIN. DESCRIPTION OF SURFACE FLOW, Degree of Blow, Time Gas to Surface, Chokes, Pressures & Rates. Time liquid to Surface, Chokes, Pressures & Rates. GOR & Water cut, Oil & Gas Gravities: Open w/ weak flow B/B in 30 sec. Pressure 40g in 20" in

30 min stop in basin hold @ 2g

ODORS & APPEARANCES: NO GTS

DID GAS BURN: N/A

FINAL SHUT-IN: 150 MIN. LIQUID REVERSED, BBIs Oil, Water & Other: N/A

DRILL PIPE RECOVERY, Ft. of Gas, Oil, Water & Other: 120' GCW w/ to oil string thru out

SAMPLER RECOVERY, Pressure, Volumes, Indicated Ratios or Percents, Oil Gravity & Appearance, Oil & Gas Odors, Water-Mud Filtrate Resistivity @ Temp. & Chlorides: oil - 1/2 skin seen @

250 #? 2200 CC GCW 24-2-m @ 58°F  
75' CC oil

DST PRESSURES (Record Pressure at end of DST function and indicate whether increasing, decreasing or stable - if stable, record duration): 4778 record depth

IFP: 27 → 54 (27 → 54) ISIP: 1064 (1078)

FFP: 54 → 80 (81 → 102) FSIP: 1196 (1213)

IHP: 2283 (2319) FHP: 2284 (2319) BHT: 115°F

Res. of Pit Mud Filtrate @ Temp. & Chlorides: 2.8 cm @ 60°F (1374)

Add'l info, such as mechanical problems, etc. Good mud. test. (2303C) TOP - 1.72 cm @ 64  
Mudli - 1.28 @ 62°  
Sample 1.24 @ 58°F

On pull up, mud broke out & looks damaged, (skin)

# champlin c

## DRILL STEM TEST REPORT

WELL: # Yedual 12-23 PTD: 5842 DST NO.: 3 DATE: 3-28-83

TESTING CO.: Lynx TYPE TEST: Conv. ZONE NAME: Desert Creek Dolomite

TEST INTERVAL: 5824-5842 BHC: 1 SURF. CHOKE: 4-1/2 SIZE & WT. D.P.: 4-1/2 1660"

TYPE CUSHION & AMOUNT: None MUD LEVEL HELD DURING TEST: YES

INITIAL OPEN: 6 MIN. DESCRIPTION OF SURFACE FLOW, Degree of Blow, Time Gas to Surface & Rate, Time Liquid to Surface & Rate: Open w/ mud to strong blow, bottom of bucket in 30 sec. Increasing 3" in 30 min

INITIAL SHUT-IN: 60 MIN. FINAL OPEN: 40 MIN. DESCRIPTION OF SURFACE FLOW, Degree of Blow, Time Gas to Surface, Chokes, Pressures & Rates. Time liquid to Surface, Chokes, Pressures & Rates. GOR & Water cut, Oil & Gas Gravities: Open w/ mud to strong blow, bottom of bucket in 25 sec. Shut to 58 psi in 40 min

mud & then salt water 70 psi in 30 min to oil  
168000 cl- No GTS

ODORS & APPEARANCES: SALT WATER

DID GAS BURN: N/A

FINAL SHUT-IN: 80 MIN. LIQUID REVERSED, BBIs Oil, Water & Other: 74 bbl salt water PI = +208/0/100 BW=1.0

DRILL PIPE RECOVERY, Ft. of Gas, Oil, Water & Other: Shut to surface

SAMPLER RECOVERY, Pressure, Volumes, Indicated Ratios or Percents, Oil Gravity & Appearance, Oil & Gas Odors, Water-Mud Filtrate Resistivity @ Temp. & Chlorides:

2150 cc Salt water w/ Salt Pellets  
0% RW = 0.02  $\Omega$ m @ 78°F

DST PRESSURES (Record Pressure at end of DST function and indicate whether increasing, decreasing or stable - if stable, record duration): 5784, (5834)

IFP: 2039 → 3032 (2063 → 3025) ISIP: 3516 (3507) 11.6 ppg (.609)

FFP: 3032 → 3903 (3025 → 3900) FSIP: 3516 (3507)

IHP: 3875 (3850) FHP: 3750 (3752) BHT: 138°F

Res. of Pit Mud Filtrate @ Temp. & Chlorides: 4.0-  $\Omega$ m @ 67°F 1400 ppm cl-

Add'l info, such as mechanical problems, etc. Good mud test (But Patient Died)

TOP SAMPLE: .03  $\Omega$ m @ 70°F

Bottom SAMPLE: .04  $\Omega$ m @ 75°F  
200,000 cl-

# champlin c

## DRILL STEM TEST REPORT

WELL: #1 FEDERAL 12-23 PTD: 5887 DST NO.: 4 DATE: 3/31/83  
TESTING CO.: LYNES TYPE TEST: STRADDLE ZONE NAME: HONAKER TRAIL  
TEST INTERVAL: 5330-5410 BHC: 1" SURF. CHOKE: 1 1/2" SIZE & WT. D.P.: 4 1/2, 16.6#  
TYPE CUSHION & AMOUNT: NONE MUD LEVEL HELD DURING TEST: YES  
INITIAL OPEN: 5 MIN. DESCRIPTION OF SURFACE FLOW, Degree of Blow, Time Gas to Surface & Rate, Time Liquid to Surface & Rate: OPEN W/ STRONG BLOW, BOF B IN 30 SEC.  
BUILT TO 3 PSI IN 3 MIN AND STABILIZED THROUGHOUT FLOW PERIOD. NGTS

INITIAL SHUT-IN: 60 MIN. FINAL OPEN: 60 MIN. DESCRIPTION OF SURFACE FLOW, Degree of Blow, Time Gas to Surface, Chokes, Pressures & Rates. Time liquid to Surface, Chokes, Pressures & Rates. GOR & Water cut, Oil & Gas Gravities: OPEN W/ STRONG BLOW TO BOF B IN 35 SEC. BUILDING TO 1 PSI IN 1 MIN, 1 1/2 PSI IN 2 MIN. STABLE AT 2 PSI FOR 20 MIN, DECREASING TO 1 OZ. AT THE END OF THE FLOW PERIOD. NGTS

ODORS & APPEARANCES: NONE

DID GAS BURN: NONE

FINAL SHUT-IN: 120 MIN. LIQUID REVERSED, BBIs Oil, Water & Other: NONE

DRILL PIPE RECOVERY, Ft. of Gas, Oil, Water & Other: 70 FT. DRILLING MUD  
R<sub>m</sub> = 0.9 Ω-M @ 65°F 6700 PPM CL

SAMPLER RECOVERY, Pressure, Volumes, Indicated Ratios or Percents, Oil Gravity & Appearance, Oil & Gas Odors, Water-Mud Filtrate Resistivity @ Temp. & Chlorides: 2150 CC'S MUD @ 10 PSI  
R<sub>w</sub> = 0.9 Ω-M @ 65°F 6700 ppm CL

DST PRESSURES (Record Pressure at end of DST function and indicate whether increasing, decreasing or stable - if stable, record duration): 5313' KB

IFP: 85-85 ISIP: 204

FFP: 102-34 FSIP: 204

IHP: 3596 FHP: 3516 BHT: 135°F

Res. of Pit Mud Filtrate @ Temp. & Chlorides: 0.9 Ω-M @ 70°F 6900 PPM CL

Add'l info, such as mechanical problems, etc.

GOOD MECH TEST

CHARTS INDICATE FORMATION IS TIGHT W/ LITTLE PERM.

4-15-82

TO:

Colorado Oil & Gas Conservation Commission  
1313 Sherman Street, Room 721  
Denver, Colorado 80202

Idaho Oil & Gas Conservation Commission  
Department of Lands  
P. O. Box 670  
Coeur D' Alene, Idaho 83814

Montana Board of Oil & Gas Conservation

P. O. Box 690  
Shelby, Montana 58474

2535 St. Johns Avenue  
Billings, Montana 59102

Nebraska Oil & Gas Conservation Commission  
P. O. Box 399  
Sidney, Nebraska 69162

North Dakota Geological Survey  
University Station  
Grand Forks, North Dakota 58202

*Bureau Land Management  
oil + Gas Division  
2000 Administration Bldg  
1745 W. 1700 South*

*Salt Lake City, Utah*

*Originals* →

*Copies* →

Utah Department of Natural Resources  
Division of Oil, Gas, Mining  
4241 State Building  
Salt Lake City, Utah 84114

Wyoming Oil & Gas Commission  
P. O. Box 2640  
Casper, Wyoming 82602

State of New Mexico  
310 Old Sante Fe Trail  
P. O. Box 2088  
Sante Fe, New Mexico 87501

Well Name: \_\_\_\_\_

Please find the following report enclosed as indicated below:

- Permit to Drill
- Sundry Report of Wells - P+A - Subsequent
- Completion Report + DST'S + Water Encountered Report.
- Certificate to Transport
- Plugging Report

Original report plus 4 copies are attached. Please return excess copies of this report to the undersigned.

### Information Copies

Submitted by:

J. L. Daniel  
P. O. Box 3158 - District Drilling  
Englewood, Colorado 80155  
303-779-2591

\* Bureau of Land Mgt.  
1 - P.O. Box 3524  
Durango, Colo 81301

\* Bureau of Land Mgt.  
1 - P.O. Box 7  
Monticello, Utah 84535



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

**SUNDRY NOTICES AND REPORTS ON WELLS**  
(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil well  gas well  other

2. NAME OF OPERATOR  
Champlin Petroleum Company  
ATTN: Joy Daniel

3. ADDRESS OF OPERATOR  
P. O. Box 3158, Englewood, CO 80155

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)  
1988' FNL - 562' FWL  
AT SURFACE:  
AT TOP PROD. INTERVAL:  
AT TOTAL DEPTH:

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

REQUEST FOR APPROVAL TO:  
TEST WATER SHUT-OFF   
FRACTURE TREAT   
SHOOT OR ACIDIZE   
REPAIR WELL   
PULL OR ALTER CASING   
MULTIPLE COMPLETE   
CHANGE ZONES   
ABANDON\*   
(OTHER)

SUBSEQUENT REPORT OF:

5. LEASE  
6. IF INDIAN, ALLOTTEE OR TRIBE NAME  
7. UNIT AGREEMENT NAME  
8. FARM OR LEASE NAME  
Federal 12-23  
9. WELL NO.  
#1  
10. FIELD OR WILDCAT NAME  
Wildcat/Desert  
11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
23-36S-25E  
12. COUNTY OR PARISH 13. STATE  
San Juan, Utah  
14. API NO.  
43-037-30865  
15. ELEVATIONS (SHOW DF, KDB, AND WD)  
6030KB

(NOTE: Report results of multiple completion or zone change on Form 3-330.)

Subsequent notice of P & A

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

As discussed with Jim Raffoul 3/30/83 - actual plugging - 3/31/83

PLUGS	INTERVAL	AMOUNT OF SACKS
#1	5816' - 5600'	100 sxs - "B" Neat
#2	4822' - 4600'	125 sxs - "B" Neat
#3	2593' - 2400'	75 sxs - "B" Neat
#4	60' - 0' (Surface)	25 sxs - "B" Neat

- Mud weight was 12.3.
- Ran 10 Bbls. ± of water ahead and behind.

ACCEPTED BY THE STATE  
DIVISION OF  
OIL, GAS, AND MINING

Subsurface Safety Valve: Manu. and Type \_\_\_\_\_

DATE: \_\_\_\_\_ BY: \_\_\_\_\_

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

SIGNED Joy Daniel TITLE Engineering Assistant DATE April 15, 1983

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_  
CONDITIONS OF APPROVAL IF ANY:

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING  
1588 West North Temple  
Salt Lake City, Utah 84116

RECEIVED  
APR 21 1983

\*REPORT OF WATER ENCOUNTERED DURING DRILLING\*

DIVISION OF  
OIL, GAS & MINING

Well Name & Number #1 Federal 12-23

Operator Champlin Petroleum Co. Address P. O. Box 3158, Englewood, CO  
80155

Contractor Arapahoe Drilling Address P. O. Box 26687, Albuquerque, NM  
87125

Location SW 1/4 NW 1/4 Sec. 23 T. 36S R. 25E County San Juan

Water Sands

	<u>Depth</u>		<u>Volume</u> Flow Rate or Head	<u>Quality</u> Fresh or Salty
	From	To		
1.	5824'-5842' (See attached report)			Salt Water
2.				
3.				
4.				
5.				

(Continue of reverse side if necessary)

Formation Tops See report attached - water encountered during DST #3.

Remarks

- NOTE: (a) Report on this form as provided for in Rule C-20, General Rules and Regulations and Rules of Practice and Procedure.
- (b) If a water analysis has been made of the above reported zone, please forward a copy along with this form.

**UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY**

SUBMIT IN DUPLICATE

(See instructions on reverse side)

Form approved.  
Budget Bureau No. 42-R355.5

**5**

**WELL COMPLETION OR RECOMPLETION REPORT AND LOG \***

1a. TYPE OF WELL: OIL WELL  GAS WELL  DRY  Other \_\_\_\_\_  
 b. TYPE OF COMPLETION: NEW WELL  WORK OVER  DEEP-EN  PLUG BACK  DIFF. RESVR.  Other Plugged

2. NAME OF OPERATOR  
Champlin Petroleum Company  
ATTN: Joy Daniel

3. ADDRESS OF OPERATOR  
P. O. Box 3158, Englewood, CO 80155

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)\*  
 At surface 1988' FNL - 562' FWL  
 At top prod. interval reported below  
 At total depth

14. PERMIT NO. 49-037-30865 DATE ISSUED 1-6-83

5. LEASE DESIGNATION AND SERIAL NO.

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME  
Federal 12-23

9. WELL NO.  
#1

10. FIELD AND POOL, OR WILDCAT  
Wildcat/Desert

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA  
23-36S-25E

12. COUNTY OR PARISH  
San Juan

18. STATE  
Utah

15. DATE SPUDDED 2-27-83 16. DATE T.D. REACHED 3-28-83 17. DATE COMPL. (Ready to prod.) Plugged 3-31-83 18. ELEVATIONS (DF, REB, RT, GR, ETC.)\* 6030 KB 19. ELEV. CASINGHEAD --

20. TOTAL DEPTH, MD & TVD 5887' 21. PLUG, BACK T.D., MD & TVD P&A'd 22. IF MULTIPLE COMPL., HOW MANY\* N/A 23. INTERVALS DRILLED BY → ROTARY TOOLS 0-TD CABLE TOOLS \_\_\_\_\_

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)\*  
Plugged & Abandoned

25. WAS DIRECTIONAL SURVEY MADE  
No

26. TYPE ELECTRIC AND OTHER LOGS RUN  
(DisFL) - (BHCS-GR) (LDT-CNL-GR) - (Dipmeter)

27. WAS WELL CORED  
See DST's

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

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
13 3/8"	61#	122'	17 1/2"	150-To Surf.	-0-
9 5/8"	36#	2499'	12 1/4"	50 sxs POZ+750-BJ Lite	-0-

29. LINER RECORD

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

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
N/A		

31. PERFORATION RECORD (Indicate depth and number)

N/A

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
5816'-5600'	100 sxs - "B" Neat
4822'-4600'	125 sxs - "B" Neat
2593'-2400'	75 sxs - "B" Neat
601'-0'	25 sxs - "B" Neat

33.\* PRODUCTION

DATE FIRST PRODUCTION N/A PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) Plugged & Abandoned - 3-31-83 WELL STATUS (Producing or shut-in)

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
			→				

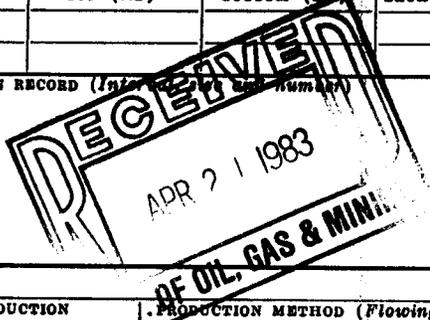
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)
		→				

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) N/A TEST WITNESSED BY \_\_\_\_\_

35. LIST OF ATTACHMENTS  
Final Logs are not printed yet - Schlumberger will forward ASAP.

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED Joy Daniel TITLE Engineering Assistant DATE April 15, 1983



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

# INSTRUCTIONS

**General:** This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on items 22 and 24, and 33, below regarding separate reports for separate completions.

If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 35.

**Item 4:** If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

**Item 18:** Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments.

**Items 22 and 24:** If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

**Item 29: "Sacks Cement":** Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.

**Item 33:** Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

**37. SUMMARY OF POROUS ZONES:**

SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF; CORED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES

**38. GEOLOGIC MARKERS**

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	TOP	
					MEAS. DEPTH	TRUE VERT. DEPTH
				Chinle	1542'	
				Cutler	2245'	
				Honaker Trail	4308'	
				Paradox Shale	5462'	
				Ismay	5513'	
				Desert Creek	5755'	
				Lower Desert Creek	5832'	



STATE OF UTAH  
NATURAL RESOURCES  
Oil, Gas & Mining

Scott M. Matheson, Governor  
Temple A. Reynolds, Executive Director  
Dr. G. A. (Jim) Shirazi, Division Director

4241 State Office Building • Salt Lake City, UT 84114 • 801-533-5771

November 5, 1983

Champlin Petroleum Company  
P.O. Box 3158  
Englewood, Colorado 80155

RE: Well No. Federal 12-23 #1  
API # 43-037-30865  
Sec. 23, T. 36S, R. 25E.  
San Juan County, Utah

Gentlemen:

According to our records, a "Well Completion Report" filed with this office April 15, 1983 from the above referred to well, indicates the following electric logs were run: DisF1, BHCS-GR, LDT-CNL-GR, Dipmeter. As of today's date, this office has not received this log: Dipmeter.

Rule C-5, General Rules and Regulations and Rules of Practice and Procedure, requires that a well log shall be filed with the Commission together with a copy of the electric and radioactivity logs.

We will be happy to acknowledge receipt of your response to this notice if you will include an extra copy of the transmittal letter with a place for our signature, and a self addressed envelope for the return. Such acknowledgment should avoid unnecessary mailing of a second notice from our agency.

Your prompt attention to the above will be greatly appreciated.

Respectfully,

DIVISION OF OIL, GAS AND MINING

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

Claudia Jones  
Well Records Specialist

CJ/cj