00247921

STATE OF COLORADO
GAS CONSERVATION COMMISSION
PARTMENT OF NATURAL RESOURCES

RECEIVED
AUG 13 1980
COLO. OIL & GAS CONS. COMM.

File one copy for Patented, Federal and Indian lands.
File in duplicate for State lands.

# 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 P & A

2. NAME OF OPERATOR: Beren Corporation

3. ADDRESS OF OPERATOR: 2160 First of Denver Plaza, 633-17th Street, Denver, Co. 80202

4. LOCATION OF WELL (*Report location clearly and in accordance with any State requirements*)
At surface: 660'FEL & 1980'FSL, Section 11, T8N, R55W
At top prod. interval reported below: same
At total depth: same

NAME OF DRILLING CONTRACTOR: Gear Drilling Company

5. LEASE DESIGNATION AND SERIAL NO.:
6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
7. UNIT AGREEMENT NAME:
8. FARM OR LEASE NAME: Davis
9. WELL NO.: #1
10. FIELD AND POOL, OR WILDCAT: Bravo Field
11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA: Sec. 11-8N-55W

| 14. PERMIT NO. | DATE ISSUED | 12. COUNTY | 13. STATE |
|---|---|---|---|
| 80 417 | April 17,1980 | Logan | Colorado |

| 15. DATE SPUDDED | 16. DATE T.D. REACHED | 17. DATE COMPL. (*Ready to prod.* or *Plug & Abd.*) | 18. ELEVATIONS (DF, RKB, RT, GR, ETC.) | 19. ELEV. CASINGHEAD |
|---|---|---|---|---|
| 7-3-80 | 7-7-80 | *7-28-80 | 4248'GR, 4258'KB | 4248' |

| 20. TOTAL DEPTH, MD & TVD | 21. PLUG, BACK T.D., MD & TVD | 22. IF MULTIPLE COMPL., HOW MANY | 23. INTERVALS DRILLED BY | ROTARY TOOLS | CABLE TOOLS |
|---|---|---|---|---|---|
| 5352' | | - | → | 0-TD | None |

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD): None

25. WAS DIRECTIONAL SURVEY MADE: No

26. TYPE ELECTRIC AND OTHER LOGS RUN: FDC-GR, I-SFL

27. WAS WELL CORED YES ☐ NO ☒ (*Submit analysis*)
DRILL STEM TEST YES ☒ NO ☐ (*See reverse side*)

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

| CASING SIZE | WEIGHT, LB./FT. | DEPTH SET (MD) | HOLE SIZE | CEMENTING RECORD | AMOUNT PULLED |
|---|---|---|---|---|---|
| 8 5/8" | 24# | 141'KB | 12¼" | 80 sx | - |
| 4½" | 10.5# | 5350'KB | 7 7/8" | 150 sx | - |
| | | | | | |
| | | | | | |

29. LINER RECORD

| SIZE | TOP (MD) | BOTTOM (MD) | SACKS CEMENT | SCREEN (MD) |
|---|---|---|---|---|
| | | | | |

30. TUBING RECORD

| SIZE | DEPTH SET (MD) | PACKER SET (MD) |
|---|---|---|
| | | |

31. PERFORATION RECORD (*Interval, size and number*)
5270-73' with 3 SPF Casing gun
5254-60' with 3 SPF Casing gun

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

| DEPTH INTERVAL (MD) | AMOUNT AND KIND OF MATERIAL USED |
|---|---|
| 5270-73' | Cmt sqz 50 sx 50-50 poz |
| 5270-73' & 5254-60' | Frac w/ 30# cross linked gel & 20/40 sand |

33. PRODUCTION

| DATE FIRST PRODUCTION | PRODUCTION METHOD (*Flowing, gas lift, pumping—size and type of pump*) | WELL STATUS (*Producing or shut-in*) |
|---|---|---|
| - | *(well will be plugged and abandoned) | SI pending abandonment |

| 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.*)
TEST WITNESSED BY

35. LIST OF ATTACHMENTS: Geological Report

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

SIGNED J. Roy White TITLE Western Operations Manager DATE August 11, 1980

J. Roy White

See Spaces for Additional Data on Reverse Side

DVR
FJP
HHM
JAM
JJD
RLS
CGM

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.

| FORMATION | TOP | BOTTOM | DESCRIPTION, CONTENTS, ETC. |
|---|---|---|---|
| | | | See attached geological report. |

38. GEOLOGIC MARKERS

| NAME | TOP | |
|---|---|---|
| | MEAS. DEPTH | TRUE VERT. DEPTH |

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CONSULTING GEOLOGIST
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718 SEVENTEENTH STREET
DENVER, COLORADO 80202
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# GEOLOGICAL COMPLETION REPORT

Well file

BEREN CORPORATION
#1 DAVIS
NE SE SECTION 11-T8N-R55W
LOGAN COUNTY, COLORADO

| | |
|---|---|
| DVR | |
| FJP | |
| HHM | ✓ |
| JAM | ✓ |
| JJD | ✓ |
| RLS | |
| CGM | |

By
R. E. Maresh
July 9, 1980

11-8N-55W



# COMPLETION DATA

Spudded: July 3, 1980

Completed: Prep to run production casing - July 8, 1980

Contractor: Gear Drilling Company - Rig #1

Elevation: 4258' Kelly Bushing
4248' Ground

Total Depth: 5340' By Driller
5352' By Schlumberger

Surface Casing: 8-5/8" casing cemented at 141' with 80 sacks.

Sample Interval: 30' samples from 4300' to 5100'
5' samples from 5100' to 5340' T.D.

Drilling Time: Recorded by Geolograph at 1' intervals.

Cores: None

Drillstem Tests: DST #1: 5254' to 5266' (Straddle Packer, Log Depths), open 15 minutes, shut-in 30 minutes, open 120 minutes, shut-in 60 minutes; first open with weak blow increased to good in 15 minutes; second open with good blow, continued to end of test, Gas to surface in 115 minutes, no guage; recovered 30' oil cut mud, 60' mud cut oil, 30' oil cut water; Sample Chamber: .710 CF Gas, 300 cc oil, 700 cc water; First FP 102#-38#; Second FP 51#-51#; First SIP 1003#; Second SIP 1092#; IHP 2856#; FHP 2831#.

Schlumberger Induction - SFL Log run from 141' to 5346'
Detailed Log run from 4000' to 5346'
Formation Density-Gamma Ray Log run from 4883' to 5351'

Formation Tops:

| | Sample | Schlumberger | Datum |
|---|---|---|---|
| Cretaceous | | | |
| Pierre | | | |
| Niobrara | 4347 | 4362 | - 104 |
| Fort Hays | 4649 | 4662 | - 404 |
| Codell | | 4700 | - 442 |
| Carlile | 4698 | 4710 | - 452 |
| Greenhorn | | 4890 | - 632 |
| Bentonite | | 5056 | - 798 |
| D Sand | 5132 | 5144 | - 886 |
| J Sand | 5229 | 5224 | - 986 |
| Total Depth | 5340 | 5352 | |

R. E. Maresh
July 9, 1980

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# SAMPLE RESUME



## D & J SANDS

(Not corrected for lag or log depths)

| | |
|---|---|
| 5100 - 5140 | shale, grey, traces silty shale and bentonite |
| - 5145 | shale, (do); 5-10% sand, grey, very fine, some fine, slightly clay-filled, slightly dirty, poor-some fair porosity, no show except two clusters with fair even fluoresence; trace sand, grey-white, very fine, heavily clay-filled, dirty, very poor to no porosity, no show |
| - 5150 | shale, (do); trace very fine sand, as above, no show; 5-10% sand, grey, very fine, slight to medium clay-filled, slightly dirty to dirty, poor porosity, no show |
| - 5160 | shale, (do); trace sand, (do); 20% sand, (do), no show |
| - 5170 | shale, (do); 10-20% sand, grey-white, very fine, some silty, heavily clay-filled, very poor to no porosity, no show |
| - 5180 | shale, (do); 30% sand, grey, very fine, clay-filled, dirty, poor porosity, no show |
| - 5185 | shale, (do); 5% sand, (do); trace grey-white very fine-silty sand, as above, no show |
| - 5235 | shale, dark grey, traces silt and silty shale |
| - 5240 | shale, (do); no sand - much dark grey to brown silt |
| - 5245 | shale, (do); trace sand, grey-white, very fine-silty, tight, no show; couple clusters sand, grey, fine, slightly dirty to clean, fair porosity, fair fluoresence |
| - 5250 | shale, (do); 10% sand, grey, very fine, clay-filled, poor to very poor porosity, no show; 5% sand, grey, fine, clean with little clay, poor-fair porosity, fair fluoresence; trace-5% sand, grey, very fine, clay matrix, dirty, poor porosity, fair fluoresence |
| - 5255 | shale, (do); 5% sand, (do), no show; 5% sand, (do), fair fluoresence; trace-5% sand, (do), fair fluoresence |
| - 5257 | (Incl 30 minute circulation sample) shale, (do); slightly less sand in same proportions as above |
| - 5270 | shale, (do); 5% sand, grey, very fine-fine, micaceous, poor-some fair porosity, no show; 5% sand, grey, very fine, heavily clay-filled, poor-very poor porosity, no show |
| - 5280 | shale, (do); trace sand, (do); 5-10% sand, (do); trace-5% sand, grey, very fine-some fine, slightly dirty to clean, poor-some fair porosity, poor to fair fluoresence |
| - 5285 | shale, (do); trace sand, (do); 10% sand, (do); trace sand, as above, with poor to fair fluoresence |
| - 5310 | shale, (do); 5% sand, grey, very fine, dirty, clay-filled, poor-some fair porosity, no show; 10% sand, grey-white, very fine, clayfilled, poor porosity, no show |
| - 5325 | shale, (do); 10% sand, grey, very fine, clay-filled, dirty, poor porosity, no show; trace-5% sand, grey-white, very fine-silty, heavily clay-filled, tight, no show |
| - 5330 | shale, (do); 30% sand, (do); trace-5% sand, (do), no shows |
| - 5335 | shale, (do); 5-10% sand, (do); 20% sand, grey-dark grey, tan, very fine to fine, slightly clay-filled, very dirty, fair porosity, no show |
| - 5340 | shale, (do); 5% sand, (do); 10% sand, (do), no shows |
| 5340 | Total Depth (Driller) |

# DRILLING TIME

## D & J SANDS

1' Intervals: (Minutes)

| | |
|---|---|
| 5100 - 5110 | 1-1-1-1-1/1-1-1-1-1 |
| - 5120 | 1-1-1-1-1/½-½-½-½-1 |
| - 5130 | 1-1-1-1-1/1-1-1-1-1 |
| - 5140 | 1-1-3-3-5/4-6-5-7-6 |
| - 5150 | 6-6-3-5-12/7-4-4-8-6 |
| - 5160 | 10-14-11-14-17/10-8-7-13-12 |
| - 5170 | 10-9-11-13-11/6-6-5- -12 |
| - 5180 | 18-7-11-7-13/13-13-12-11-10 |
| - 5190 | 14-16-13-14-14/ - -6-6-4 |
| - 5200 | 3-3-2-3-2/3-2-2-2-3 |
| - 5210 | 3-3-2-2-2/3-4-4-5-6 |
| - 5220 | 7-8-8-7-8/8-6-5-6-5 |
| - 5230 | 4-5-5-5-4/5-6-5-6-4 |
| - 5240 | 5-7-5-5-6/9-8-6-7-4 |
| - 5250 | 4-9-5- -9/7-6-5-6-12 |
| - 5260 | 11-13-16-14-22/24-32-9-11-9 |
| - 5270 | 4-2-2-5-9/10-7-5-12-8 |
| - 5280 | 5-4-7-7-7/7-11-9-10-10 |
| - 5290 | 10-11-11-10-9/11-10-11-9-9 |
| - 5300 | 9-8- -9-9/5-12-12-13-9 |
| - 5310 | 9-10-10-12-13/4-3-2-9-2 |
| - 5320 | 1-2-2-1-1/3-2-1-3-1 |
| - 5330 | 2-2-2-2-3/3-3-3-5-11 |
| - 5340 | 13-15-17-20-31/31-24-22- - |

5340 Total Depth (Driller)

## CHRONOLOGICAL HISTORY

7/3/80 Spudded 7:30 PM. Drilled to 145'. Cemented 8-5/8" casing at 141' with 80 sacks 60/40 pos-mix cement, 3% CaCl added. Plug down 10:30 PM. WOC 1-1/2 hours.

7/4/80 WOC 3-1/2 hours. Drilling 145' to 2990' with Bit #1. Day's footage 2845'.

7/5/80 Drilling 2990' to 4630'. Made trip for Bit #2 at 3535'. Day's footage 1640'.

7/6/80 Drilling 4630' to 5183'. Made trip for Bit #3 at 4855'. Day's footage 553'.

7/7/80 Drilling 5183' to 5322'. Made trip for Bit #4 at 5185' and for Bit #5 at 5257'. Day's footage 139'.

7/8/80 Drilling 5322' to 5340' Total Depth (Driller). Ran Schlumberger Logs. Ran Drillstem Test #1. Day's footage 18'. Prep to run production casing. Drilling Completed.

## BIT RECORD

| Trip No. | Size | Make | Type | Serial | Depth From - To | Feet | Hours |
|---|---|---|---|---|---|---|---|
| | 12-1/4" | HTC | OSC3J | RR | 0 - 145 | 145 | |
| 1 | 7-7/8" | Smith | DTJ | BB4196 | 145 - 3535 | 3390 | 21-3/4 |
| 2 | 7-7/8" | Smith | DTJ | BC3945 | 3535 - 4855 | 1320 | 18-1/2 |
| 3 | 7-7/8" | HTC | OSC3 | AT910 | 4855 - 5185 | 330 | 14-1/2 |
| 4 | 7-7/8" | HTC | OSC1G | CC939 | 5185 - 5257 | 72 | 7-1/2 |
| 5 | 7-7/8" | Smith | FDT | RR | 5257 - 5340 | 83 | 11 |