

STATE OF COLORADO
OIL AND GAS CONSERVATION COMMISSION

DEPARTMENT OF NATURAL RESOURCES

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00252629

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

COLO. OIL & GAS CON. COMM.

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 600' FSL & 720' FEL, Section 18, T8N, R54W
 At top prod. interval reported below same
 At total depth same

5. LEASE DESIGNATION AND SERIAL NO.
 6. IF INDIAN, ALLOTTEE OR TRIBE NAME
 7. UNIT AGREEMENT NAME
 8. FARM OR LEASE NAME
Svacina
 9. WELL NO.
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 10. FIELD AND POOL, OR WILDCAT
Johnson Hill
 11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA
Sec. 18-8N-54W

14. PERMIT NO. 801564 DATE ISSUED 11/3/80 12. COUNTY Logan 13. STATE Colorado

15. DATE SPUNDED 12/6/80 16. DATE T.D. REACHED 12/12/80 17. DATE COMPL. (Ready to prod. or Plug & Abd.) 1-7-81* 18. ELEVATIONS (DF, REB, RT, GR, ETC.) 4448' KB 19. ELEV. CASINGHEAD 4438'

20. TOTAL DEPTH, MD & TVD 5504' 21. PLUG, BACK T.D., MD & TVD 5390' (CIBP) 22. IF MULTIPLE COMPL., HOW MANY - 23. INTERVALS DRILLED BY 0-TD ROTARY TOOLS None CABLE TOOLS 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 I-SFL; FDC-GR 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#	155' KB	12 1/4"	130 sx	-
4 1/2"	10.5#	5501' 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)

5426'-29' w/ 4 jspf - casing gun
5419'-23' w/ 4 jspf - casing gun
5393'-96' w/ 4 jspf - casing gun
5383'-86' w/ 4 jspf - casing gun

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
5426'-29'	Cmt squeeze w/ 75 sx

33. PRODUCTION

DATE FIRST PRODUCTION _____ PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) _____ WELL STATUS (Producing or shut-in) *SI-awaiting 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 April 21, 1981

DVR ✓
FJP ✓
H-W ✓
JAM ✓
JJD ✓
BLS ✓
CGM ✓

See Spaces for Additional Data on Reverse Side

A

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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
See attached copy of geological report.						

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COLO. OIL & GAS CONS. COMM.

(303) 629-5129

R. E. MARESH

CONSULTING GEOLOGIST

SUITE 1103

718 SEVENTEENTH STREET
DENVER, COLORADO 80202



GEOLOGICAL COMPLETION REPORT

DVR	
FJP	
HHM	✓
JAM	✓
JJD	✓
RLS	
CGM	

BEREN CORPORATION
#1 SVACINA
SE SE SECTION 18-T8N-R54W
LOGAN COUNTY, COLORADO

By

R. E. Maresh

December 15, 1980

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✓ 4

18-8N-54W

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C O M P L E T I O N D A T A

COLO. OIL & GAS CONS. COMM.

Spudded: December 6, 1980

Completed: Prep to run production casing - December 13, 1980

Contractor: Exeter Drilling Company - Rig #13

Elevation: 4448' Kelly Bushing
4438' GroundTotal Depth: 5505' By Driller
5502' By Schlumberger

Surface Casing: 8-5/8" Casing cemented at 156' with 130 sacks.

Sample Interval: 30' samples from 4450' to 5200'
5' samples from 5200' to 5505' T.D.

Drilling Time: Recorded by Geologist at 1' intervals.

Drillstem Tests: DST #1: J Sand 5420' to 5428' (Straddle Packer) open 10 minutes, shut-in 30 minutes, open 90 minutes, shut-in 60 minutes; opened with strong blow, gas to surface in 8 minutes, gauged 230 MCF, recovered 50' oil, 60' gas and mud cut oil, 70' slightly oil and gas cut water, 539' gas cut water; Sample Chamber - 100 cc oil, 750 cc water, .7 CF gas; 1st FP 166#-179#; 2nd FP 230#-421#; 1st SIP 1186#; 2nd SIP 1186#; IHP 2936#; FHP 2923#; Bottom packer bled to 1294#.

DST #2: J Sand 5396' to 5404' (Straddle Packer) open 20 minutes, shut-in 30 minutes; opened with very weak blow, died in 10 minutes; recovered 334' water; Sample Chamber - 600 cc water, trace of gas; FP 128#-153#; SIP 1084#; IHP 2974#; FHP 2923#; Bottom packer bled to 1346#.

Schlumberger Induction - SFL Log run from 163' to 5496'

Detailed Log run from 4300' to 5496'

Formation Density-Gamma Ray Log run from 4450' to 5504'

Formation Tops:

	<u>Sample</u>	<u>Schlumberger</u>	<u>Datum</u>
Cretaceous			
Pierre			
Niobrara	4550	4546	- 98
Fort Hays		4857	- 409
Carlile	4880	4885	- 437
Greenhorn		5033	- 585
Bentonite		5192	- 744
D Sand	5281	5281	- 833
J Sand	5380	5379	- 931
Total Depth	5505	5502	

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SAMPLE RESUME

D & J SANDS

(Not corrected for lag or log depths)

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- 5250 - 5300 shale, grey, traces silt and bentonite
- 5310 shale, (do); trace-5% sand, grey-tan, very fine-fine, slightly dirty, slightly clay-filled, poor porosity, no show; trace sand, grey fine, clean, poor to fair porosity, no show
- 5315 shale, (do); trace sand, (do); trace-5% sand, (do), some clay-filling, loose quartz grains, no show
- 5320 shale, (do); trace sand, (do); 10-20% sand, (do), loose quartz grains, no show
- 5330 shale, (do); trace fine porous sand, as above, no show; 10% sand, grey-white, very fine, slightly dirty to clean, clay matrix, poor porosity, no show
- 5335 shale, (do); trace very fine sand, as above, no show
Note: Pipe tally correction at 5365' places above depths 10 feet higher
- 5395 shale, grey-dark grey, traces silt and bentonite
- 5400 shale, (do); slight trace sand, grey-tan, very fine, slightly dirty, clay matrix, poor porosity, no show
- 5410 shale, (do); trace sand, (do); trace sand, grey, very fine, slightly dirty to clean, clay matrix, poor - some fair porosity, dull uneven fluorescence in 20% of sand, some loose quartz grains
- 5415 shale, (do); trace sand, (do), no show; 5% sand, grey, very fine, some fine, slightly dirty to clean, little clay filling, fair porosity, 80% with poor to fair fluorescence
- 5420 shale, (do); trace-5% sand, as above, with 50% poor to fair fluorescence; trace-5% sand, grey, very fine-silty, slightly dirty, very poor porosity, no show
- 5425 shale, (do); trace sand, (do), with poor fluorescence; trace-5% sand, (do), no show
- 5435 shale, (do); trace-5% sand, grey, very fine-fine, clean, slightly clay-filled, poor-some fair porosity, light even fluorescence
- Circ. 5435 shale, (do); trace-5% sand, (do); trace- 5% sand, grey, very fine, slightly dirty to clean, slightly clay filled, poor- some fair porosity, no show; trace sand, grey-white, very fine-fine, clean, clay filled, poor porosity, no show
- 5440 vps - trip
- 5445 shale, (do); 10% sand, grey-white, very fine-fine, clay filled, poor-fair porosity, no show
- 5480 shale, (do); 40% sand, (do), no show
- 5500 shale, (do); 20% sand, (do), no show; 10% sand, grey-white, very fine, some silty, heavily clay filled, poor porosity, no show
- Circ. 5505 shale, (do); 5% sand, (do); 10% sand, (do); trace-5% sand, grey, very fine-silty, dirty, clay-filled, very poor to no porosity, no show
- 5505 Total Depth

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DRILLING TIME

10' Intervals (Minutes):

4400 - 4500 5-4-8-7-6/7-7-5-6-7
 - 4600 6-7-5-4-7/5-5-6-11-8
 - 4700 8-7-6-8-12/13-11-11-11-17
 - 4800 18-17-18-16-18/17-17-18-20-18
 - 4900 20-18-19-18-21/17-19-24-20-15
 - 5000 17-16-16-15-14/14- -18-14-15
 - 5100 14-13-13-15-17/20-14-14-11-10
 - 5200 9-12-11-11-15/16-12-13-13-13
 - 5250 22-14-16- - /
 Pipe tally correction - 10 feet uphole for
 above depths

1' Intervals (Minutes):

5250 - 5260 1-1-1-2-2/2-1-2-2-1
 - 5270 2-2-2-2-1/2-2-1-1-3
 - 5280 1-1-2-1-2/2-2-1-2-1
 - 5290 1-2-5-8-6/11-6-5-7-4
 - 5300 3-5-5-7-6/8-7-6-7-7
 - 5310 9-8-7-7-7/9-10-15-14-9
 - 5320 10-11- -7-6/14-13-9-13-13
 - 5330 8-10-7-11-8/5-6-4-14-7
 - 5340 8-6-8-7-5/5-6-8-7-7
 - 5350 5-5-3-5-4/4-2-5-6-6
 - 5360 5-5-4-5-4/4-7-7-6-11
 - 5370 11-15-11-11-13/2-2-3-4-5
 - 5380 5-5-4-4-5/5-4-5-5-6
 - 5390 3-2-2-3-2/1-2-2-5-3
 - 5400 2-1-4-4-1/5-4-3-5-5
 - 5410 7-5-5-4-4/3-3-5-5-4
 - 5420 4-4-4-5-3/10-14-8-3-
 - 5430 11-14-14-11-12/6-17-14-17-11
 - 5440 8-13-23-18-15/ -10-7-4-7
 - 5450 5-6-5-4-4/5-4-4-4-6
 - 5460 6-3-4-4-5/2-4-4-3-4
 - 5470 4-4-5-4-4/5-4-5-5-2
 - 5480 3-3-2-1-1/1-1-2-5-11
 - 5490 7-10-1-3-2/2-2-2-3-2
 - 5500 3-1-2-2-2/2-1-2-2-3
 - 5505 2-7-4-3-5

5505 Total Depth

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CHRONOLOGICAL HISTORY

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12/6/80 Moved-in. Spudded 11:00 PM. Drilled to 156'.

12/7/80 Cemented 8-5/8" casing at 156' with 130 sacks, 60-40 pos-mix cement, 3% CaCl added. Plug down 7:30 AM. WOC 5 hours. Drilling 156' to 1106' with Bit #1. Day's footage 950'.

12/8/80 Drilling 1106' to 3851'. Day's footage 2745'.

12/9/80 Drilling 3851' to 4921'. Made trip for Bit #2 at 3921'. Day's footage 1070'.

12/10/80 Drilling 4921' to 5304'. Made trip for Bit #3 at 5253'. Day's footage 383'.

12/11/80 Drilling 5304' to 5435'. Made trip for Bit #4 at 5365' and commened trip for Bit #5 at 5435'. Day's footage 131'.

12/12/80 Completed trip. Drilling 5435' to 5505' Total Depth. Ran Schlumberger Logs. Ran DST #1. Day's footage 70'.

12/13/80 T.D. 5505'. Ran DST #2. Drilling Completed. Prep to run production casing.

BIT RECORD

<u>Trip No.</u>	<u>Size</u>	<u>Make</u>	<u>Type</u>	<u>Serial</u>	<u>Depth</u>		<u>Feet</u>	<u>Hours</u>
					<u>From</u>	<u>To</u>		
	12-1/4"	HTC	OSC3J	RR	0	- 156	156	
1	7-7/8"	Smith	DSJ	BF2343	156	- 3921	3765	30-1/4
2	7-7/8"	Smith	DTJ	AX6124	3921	- 5253	1332	26-3/4
3	7-7/8"	HTC	OSC1GJ	XE939	5253	- 5365	112	13-3/4
4	7-7/8"	HTC	OW4J	ED763	5365	- 5435	70	10-1/2
5	7-7/8"	HTC	OW4J	EK776	5435	- 5505	70	4-1/2

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