



STATE OF COLORADO  
OIL AND GAS CONSERVATION COMMISSION  
DEPARTMENT OF NATURAL RESOURCES

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

RECEIVED

FEB 28 1985

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. LEASE DESIGNATION AND SERIAL NO.

6. IF INDIAN LAND, STATE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

9. WELL NO.

10. FIELD AND POOL, OR WILDCAT

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA

C NE/4 SE/4 Sec. 14-t#s-R56W

12. COUNTY

13. STATE

Washington

Colorado

19. ELEV. CASINGHEAD

23. INTERVALS DRILLED BY

0-5175'

25. WAS DIRECTIONAL SURVEY MADE

YES

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"	24.00#	137'	12 1/4"	100 sx	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)

30. TUBING RECORD

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED

31. PERFORATION RECORD (Interval, size and number)

DATE FIRST PRODUCTION	PRODUCTION METHOD (Flowing, gas lift, pumping - size and type of pump)	WELL STATUS (Producing or shut-in)

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

TEST WITNESSED BY

35. LIST OF ATTACHMENTS

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

SIGNED [Signature] TITLE Production Secretary DATE 2/25/85

See Spaces for Additional Data on Reverse Side

## 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 FINAL WELL REPORT

38.

## GEOLOGIC MARKERS

NAME	TOP	
	MEAS. DEPTH	TRUE VERT. DEPTH

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CITY OF NEW YORK

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FINAL WELL REPORT

J. W. Nylund, et al

#1 LENTZ

NE SE Sec. 14-T3S-R56W  
Washington County, Colorado

WCS
FJP
HHV
IN
RCC
LAT
CG
OT







DEVIATION SURVEYS

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<u>Depth</u>	<u>Degrees from Vertical</u>
141'	1/4°
1253'	3/4°
2220'	3/4°
3934'	1°
5025'	1/2°

BIT RECORD

<u>Run No.</u>	<u>Size</u>	<u>Make</u>	<u>Type</u>	<u>Depth Out</u>	<u>Footage</u>	<u>Hours</u>
1	7-7/8"	HTC	R1	3934'	3793'	30-1/4
2	7-7/8"	STC	DT-J	4107'	173'	4-1/2
3	7-7/8"	HTC	J-2	4248'	143'	4
4	7-7/8"	WMD	03-J	5029'	781'	22-3/4
5	7-7/8"	HTC	J-22	5175'	146'	12-3/4



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CHRONOLOGICAL HISTORY

December 29, 1984 Started digging mud pits and leveling location.

December 30 Finished digging pits and preparing location.

December 31 Moved in rotary rig, rigged up, spudded at 2:00 PM, set surface casing. Plug down at 5:00 PM.

January 1, 1985 Drilling at 1751' with water; bit #1.

January 2 Drilling at 3284' with water; bit #1.  
Ran cones off at depth of 3934'.

January 3 Depth 3934', fishing for cones. Presently making third run for fish.

January 4 Tripping for bit #3 at 4107'; drilling with mud.

January 5 Drilling at 4700' with mud; bit #3.

January 6 Drilling at 5115' with mud; bit #4. Drilled to TD of 5175'. Ran IES and Gamma Ray-Densilog. Went in with DST #1.

January 7 Pulled DST #1 and plugged the well with 20 sacks cement in bottom of surface casing and 10 sacks in top as per telephone instructions from the Colorado Oil & Gas Conservation Commission.

C

FORMATION TOPS

<u>FORMATION</u>	<u>LOG TOPS</u>	<u>SEA LEVEL DATUM</u>
Niobrara	4468'	
Ft. Hayes	4518'	
Carlile	4573'	
Greenhorn	4653'	
Bentonite Marker	4900'	
D Sand	4997'	-202
J Sand	5047'	-252
Total Depth	5175' driller	
	5172' Dresser Atlas	

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00229817

GENERAL INFORMATION

OPERATOR: J. W. Nylund  
FARM: Jane Lentz  
WELL NUMBER: 1  
LOCATION: 650' FEL, 1980' FSL; NE SE Sec. 14-T3S-R56W  
FIELD: Wildcat  
COUNTY: Washington  
STATE: Colorado

ELEVATIONS: 4787' GL, 4795' KB (surveyed by Billy Holloway, Powers Elevation Service)

SURFACE CASING: Ran 3 joints, 127' of 8 5/8", 24.00# surface casing, set @ 137' KB with 100 sacks regular cement, 4% CaCl. Good returns.

CORES: None

DRILL STEM TEST: One J Sand straddle test

LOGS: Ran Dresser-Atlas Induction Electrolog from 5172' to 137'. Ran Compensated Densilog with Gamma Ray from 5171' to 4000'. Prolog Field Analysis over sand sections.

MUD PROGRAM: Chemical gel drilling mud with the following properties on the morning of January 6, 1985: wt. 9.7, Vis. 77, pH 9.5, WL 4.8, fc 2/32.

DRILLING TIME CHARTS: Star Recorder drilling time charts showing one foot penetration rate are on permanent file in operator's office.

STATUS: Plugged and abandoned.

WELLSITE GEOLOGIST: J. W. Nylund

DRILLING CONTRACTOR: J. W. Gibson Drilling Company, Inc., rig #75; Dave Heisel, toolpusher.



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SAMPLE DESCRIPTION

(Depths corrected to Dresser Atlas)

4997' - 5009'

Top of the D Sand. Sandstone, light tan to glassy grey, fine grained, tight to very low P & P, very argillaceous, glauconitic, medium soft, friable, fair sorting, subangular grains, two pieces have very weak, spotty stain with golden fluorescence, the balance has no shows.

5009' - 5021'

Sandstone, grey, fine grained, tight, very argillaceous, slightly shaley, silty, medium hard, friable, fair sorting, subangular grains, no shows.

5021' - 5047'

Shale, black, soft, fissile, bentonitic.

5047' - 5060'

Top of the J Sand. Siltstone, grey, arenaceous, hard, with few pieces sandstone, light tan, fine grained, hard, tight.

5060' - 5077'

Sandstone, light grey, fine grained, tight to low to fair P & P, argillaceous in part, balance is clean, well sorted, glauconitic, medium hard, friable, subrounded grains, no shows.

5077' - 5085'

Interbedded shale, siltstone and hard, tight sandstone.

5085' - 5099'

Sandstone, white, fine grained, fair P & P, generally clean, well sorted, glauconitic, argillaceous in part, soft friable, subrounded grains, no shows.

5099' - 5112'

Sandstone, white, medium fine grained, good P & P, clean, well sorted, soft, friable, subrounded grains, no shows.

5112' - 5131'

Sandstone, grey, fine grained, tight to low P & P, clay filled, silty, soft, friable, fair sorting, rounded grains, no shows.

5131' - 5144'

Interbedded shale and siltstone.

5144' - 5175'

Sandstone, grey to white, fine grained, variable tight to fair P & P, argillaceous, poorly sorted, medium hard, subrounded grains, no shows.

Sample quality - very good.



DRILL STEM TESTS

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DST #1

5083' - 5091' (straddle test of the J<sub>2</sub> sand) Open  
15 min, shut in 30 min, open 1 hour, shut in 1 hour.  
Tool opened with a very weak blow, increasing to  
a fair blow (9 in. of water), at end of flow period.  
Tool opened with a very weak blow for final flow,  
increased to bottom of bucket in 17 min. (6 oz. blow),  
increased to a 7 oz. blow at end of flow period.

Recovery

(pipe)

120' mud cut water

811' very slightly gas cut water

Recovery

(sample chamber)

2000 cc water -  $R_w = 3.63 @ 63^\circ F = 1800 \text{ ppm}$

Pressures

	(Field)	(Office)
Initial Hydrostatic	2548 psi	2533 psi
Final Hydrostatic	2385 psi	2475 psi
Initial Flow #1	20 psi	27 psi
Final Flow #1	193 psi	181 psi
Initial Flow #2	231 psi	231 psi
Final Flow #2	382 psi	399 psi
Initial Shut In	587 psi	589 psi
Final Shut In	587 psi	589 psi

Pressure below bottom packer bled to 814 psi.

Bottom hole temperature 140° F.

Liberty Testers engineer - Ted Alcaraz

Test Successful