



OIL & GAS

CHRONOLOGICAL HISTORY OF RECOMPLETION CONSERVATION COMMISSION



00822312

Midland Oil Co., State A-2
NW-SW-NW, Sec. 16-9N-56W
Weld County, Colorado

3/4/1957 6:30 - 12:30 P.M. Tore down at A-1, moved to A-2 and set up.
12:30 - 2:30 Strung up blocks, put canvas around rig.
2:30 - 6:00 Pull rods - gas and oil and water blowing. Hooked up flow line to tank.

3/5/1957 8:00 - 9:00 A.M. Thaw flow line and bleed well down.
9:00 - 11:00 Rig up tubing snub.
11:00 - 12:00 N String in to 5700' and mark line.

Tubing snubbing:

Time Start	Depth	Pulls	Tank Gage	Oil	Water
12:00-12:30 P.M.	5700	2	2' 9"	2.47	50%
12:30-1:30	"	2	2' 9"	0.00	
1:30-2:30	"	2	2' 11"	1.41	50%
2:30-3:30	"	3	3' 2 1/2"	2.47	50%
3:30-4:30	"	3	3' 3"	0.35	50%
4:30-5:30	"	2	3' 5 1/2"	1.76	50%
5:30-6:30	"	2	3' 8"	1.76	50%
6:30-7:30	"	2	3' 10 1/2"	1.76	50%

Shut rig down - blizzard.

Well making approximately 3 1/2 bbl/hr of fluid. Approximately 50% water. Water percentage probably higher if more accurate grindouts could be obtained.

3/6/1957 10:30 - 11:30 A.M. Rig up to pull tubing.
11:30 - 12:00 N Unseat packer.
12:00 - 1:00 P.M. Snub fluid down.
1:00 - 4:00 Pull tubing.
4:00 - 4:30 Snub fluid down.
4:30 Rig broke down.

3/7/1957 1:00 - 6:00 P.M. Pulling tubing and packer. Well unloaded once.
6:00 - 7:00 String up bailer.
7:00 - 8:00 Measure in bailer and clean bottom of hole. No mud, just water.

1/1957 cont'd

8:30 - 9:30
9:30 - 10:00Rig up Lane Wells to perforate.
Go in hole - check collars.

Misrun	Time	Interval	Collars checked	Type Shot	Bullets/ft
	10:00	5851-53	1-8 and T.D.	Shape	4
	11:30	5851-53	1-8 and T.D.	Shape	4

11:30 - 12:00 M Tear down Lane Wells.

Gun did not shoot on first run at 10:00 P.M.

12:00 - 2:30 A.M. Rig up to swab.
2:30 - 8:00 Casing swab 3' 4" of oil into test tank
(load oil) - 56.5 bbls.

Time	Depth	Pulls	Inches in Test Tank	Oil Water bbls.
8:00-9:00	5700	2	12	16.95
9:00-10:00	"	2	15 1/2	scum 21.94
10:00-11:00	"	1	9	scum 12.71
11:00-12:30	"	2	14	scum 19.78
12:30-1:30	"	1	8	scum 11.30
1:30-2:00	"	1	5	scum 7.06
2:00-2:30	"	1	5	scum 7.06
2:30-3:30	"	2	6	scum 8.48
3:30-4:00	"	1	9	scum 12.71
4:00-5:00	"	2	6	scum 8.48
5:00-5:30	"	1	6	scum 8.48
5:30-6:00	"	1	6	scum 8.48
				16.95 +

After well was swabbed down fluid was all water with a scum of oil and with no noticeable difference in gas than when only the "D" sand was open. Above swabbing includes "D" sand plus "J" sand from 5851-53' K.B.

6:00 - 7:00

Broke off pump barrel and seating nipple.

7:00-8:00

Rig up tools to drill plug.

8:00 - 12:00

Drilling on plug at 5855' K.B. Plug gave way after drilling 1/2 hour and went down hole five feet. Drilled on plug until midnight.

3/9/1957

12:00 - 6:30 A.M.

6:30 - 8:00

8:00 - 9:00

Drill on plug and shove to 5874' K.B. Rig up sand pump and run three times. Put on Baker Casing Scraper and run below "P" sand.

9:00 - 3:00 P.M.

Rig up to run tubint and RTB packer and run same.

3:00 - 5:00

1. Fill hole, set packer at 5780' K.B. and break down "J" sand at 1800 psig.

3/9/1957 cont'd

- pressure and a rate of $4\frac{1}{2}$ bbl/min.
2. Release packer, take out 2 joints of tubing and set packer at 5720' K.B. Pumped into formation at 1600 psig.
 3. Pressured annulus to 1000 psig.
 4. Mix 100 sx bulk Ideal cement and pumped into tubing.
 5. Displaced with 19 bbl. of water to a final squeeze pressure of 3800 psig.
 6. Reversed 20 sx cement.

5:00 - 12:00M

Pull packer and tubing.

3/10/1957 12:00 - 8:00 A.M.

Tear down tubing blocks and string up swab tools. Cleaning up and breaking double rods.

8:00 - 1:00 P.M.

Swab hole down.

1:00 - 3:00

Break down swab tools and make up drilling tools.

3:00 - 4:00

String in to 5723' to cement top.

4:00 - 12:00 M

Drilling 23 ft. cement.

3/11/1957 12:00 - 12:00 M

Drilled 80 ft. Tested "D" sand perforations for water shutoff one hour. No fluid entry.

3/12/1957 12:00 - 9:00 A.M.

Drilled 25 ft. cement.

9:00 - 12:00 N

Bailed hole dry. Let set three hours. Checked with bailer, no fluid. Checked T.D. with Lane Wells at 5850' K.B.

12:00 - 4:00 P.M.

Put on 4000 lb. test casing valves. Loaded hole with 100 bbl. 18° API gravity oil and 29 bbl. 38° API gravity oil. Rig up tubing swab.

4:00 - 5:00

Put on control valve and Lane Wells lubricator.

5:00 - 7:00

Perforate with Lane Wells - 5836-46' K.B. Gamma Ray measurements. Used Lane Wells E gun and also shape charges.

Time	Collars checked	Interval	Type Shot	No. Shots
6:15	1 - 8	5837-46 K.B.	E Gun	25
		Gamma Ray measurements		
8:00	1 - 8	5836-46 K.B.	Shape	40
		Gamma Ray measurements		

3/12/1957 cont'd

8:00 - 9:00

Came out of hole - Gun hung up at 5116' K.B. Worked loose in twenty minutes. Possibly piece of rubber from test tank in hole.

Rig up to run tubing.

Running tubing.

9:00 - 10:00

10:00 - 12:00 M

3/13/1957 12:00 - 5:30 A.M.
5:30 - 7:00

Run tubing - See tubing tally.

Change stripper rubbers, button up well head, hook up flow line to test tank.

7:00 - 1:00 P.M.

Swab tubing. 85 bbl. oil swabbed when well kicked off.

1:00 - 4:00

Cleaning oil from well.

4:00 - 8:00

Allowed four hours for rig to clean up and tear down.

3/14/1957 2:30 - 5:30 P.M.

Blowing well down to clean oil from hole.