

~~DIVISION OF OIL AND GAS~~

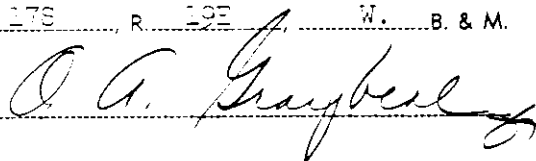
HISTORY OF OIL OR GAS WELL

OPERATOR Sunray Mid-Continent Oil Company /FIELD/ Crook County, State of Oregon

"Sunray Mid-Continent Oil Company, Operator-

WELL NO. Standard-Lloyd-McCulloch 'Bear' Sec. 30, T. 17S, R. 19E, W. B. & M. Creek Unit' 1

SIGNED

DATE August 25, 1958TITLE O. A. Graybeal, AGENT
(PRESIDENT, SECRETARY OR AGENT)

Use this form in reporting all important operations at the well, together with the dates thereof, in the order of their performance. Such operations include drilling, re-drilling, deepening, plugging, or altering casing as by perforating, shooting, or pulling. Include in your report size of hole drilled, re-drilled or deepened, size, weight and length of casing landed, cemented, or removed, amount and location of perforations, number of sacks of cement used in cementing or plugging operations, number of feet of cement drilled out of casing, location of top and bottom of cement plugs. If the well was dynamited, give date, dimensions and weight of all shots. If tests were made give intervals tested and results of tests, such as, amount and nature of fluids recovered.

DATE
1958All measurements are from kelly bushing which is 14.00' above the top of the cellar.

5/12

Spudded in at 4:00 p.m. with 9 7/8" bit.

Drilling ahead with 9 7/8" bit.

5/14

CORE #1 FROM 490' TO 497'. Cut 7'. Recovered 7'.

Opened 8 1/2" core hole to 9 7/8" from 490' to 497'. Drilling ahead with 9 7/8" bit.

Had partial circulation from 675' to 690'. Lost 100 barrels of mud.

5/15

Lost complete circulation at 720'. Mixed lost circulation material and had complete returns.

Lost circulation at 930'. Regained circulation after 2 1/2 hours.

5/16

DRILLED 9 7/8" HOLE TO 1112'.

Opened 9 7/8" hole with 9 7/8" x 16" hole opener.

Hole took mud at 15 barrels per hour while opening hole from 0' to 183'. No mud loss below 183'.

5/20

OPENED 9 7/8" HOLE TO 16" TO 767'.CEMENTED 11 3/4" 47# J-55 ST&C casing with Baker Guide Shoe at 766' with 520 sacks of Permanente ASTM C-150 Type "I" cement. Displaced with 499 cu.ft. of mud. Plugs did not bump. No returns to surface.

Lost circulation during last 50 cu.ft. of displacement.

5/21

Located top of cement outside with 1" line pipe at 325'.

Cemented through 1" line pipe hung at 325' with 180 sacks of Permanente Construction cement mixed with 6% to 8% Gel. Had returns around cellar while cementing. After 3 hours found top of cement at 40' outside 11 3/4" casing.

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5/21
Cont. Recemented through 1" line pipe hung at 40' with 30 sacks Permanente Construction cement containing 3% calcium chloride. Had good returns to surface.

Landed casing and installed blowout equipment. Tested to 1000#. O.K.

5/22 Found top of cement inside 11 3/4" casing at 750'. Drilled out shoe at 766'. Found 2' of cement below shoe.

Installed mud logging trailer at 1112'.

Drilled ahead with 9 7/8" bit.

5/23-
5/26 Drilled from 1112' to 2395'. Had continuous mud loss.

5/27-
5/28 Drilled from 2395' to 2808'. Had no mud loss.

5/29 Drilled from 2808' to 2920'. Had partial mud loss.

5/30 Drilled from 2920' to 3100'. Had no mud loss.

5/31 Drilled from 3100' to 3158'. Lost 80 barrels of mud.

CORE #2 FROM 3158' TO 3165'. Cut 7'. Recovered 7'.

Opened 8 1/2" core hole to 9 7/8" from 3158' to 3165'. Drilled ahead with 9 7/8" bit.

6/1 Drilled from 3165' to 3405'. Had partial mud loss.

6/3 CORE #3 FROM 3405' TO 3415'. Cut 10'. Recovered 2'.

Opened 8 1/2" core hole to 9 7/8" from 3405' to 3415'. Drilled ahead with 9 7/8" bit.

6/4 Drilled from 3415' to 3489'. Had partial mud loss.

CORE #4 FROM 3489' TO 3496'. Cut 7'. Recovered 7'.

Opened 8 1/2" core hole to 9 7/8" from 3489' to 3496'. Drilled ahead with 9 7/8" bit.

6/6 Drilled from 3496' to 3964'. Had partial mud loss.

CORE #5 FROM 3964' TO 3976'. Cut 12'. Recovered 9'.

Opened 8 1/2" core hole to 9 7/8" from 3964' to 3976'. Drilled ahead with 9 7/8" bit.

6/7-
6/13 Drilled from 3976' to 4463'. Had no mud loss.

6/14 CORE #6 FROM 4463' TO 4475'. Cut 12'. Recovered 12'.

Opened 8 1/2" core hole to 9 7/8" from 4463' to 4475'. Drilled ahead with 9 7/8" bit.

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- 6/14 Lost 130 barrels of mud from 4463' to 4495'.
Cont.
- 6/15 Lost 70 barrels of mud from 4552' to 4556'.
- 6/16 Drilled from 4556' to 4747'. Had no mud loss.
to
6/17
- 6/18 Drilled from 4747' to 4936'. Had partial mud loss.
to
6/19
- 6/20 CORE #7 FROM 4936' TO 4946'. Cut 10'. Recovered 8 1/2'.
Opened 8 1/2" core hole to 9 7/8" from 4936' to 4946'. Drilled ahead with 9 7/8" bit.
- 6/21 Drilled from 4946' to 5311'. Had no mud loss.
- 6/24 CORE #8 FROM 5311' TO 5320'. Cut 9'. Recovered 9'.
Opened 8 1/2" core hole to 9 7/8" from 5311' to 5320'. Drilled ahead with 9 7/8" bit.
- 6/25- Drilled from 5320' to 5826'. Had no mud loss.
6/30
- 7/1 CORE #9 FROM 5826' TO 5841'. Cut 15'. Recovered 15'.
Opened 8 1/2" core hole to 9 7/8" from 5826' to 5841'. Drilled ahead with 9 7/8" bit.
- 7/2 Lost 200 barrels of mud from 5925' to 5931'.
- 7/3- Lost 50 barrels of mud from 5933' to 5941'.
7/10
- Drilled from 5941' to 6304'. Had no mud loss. Reamed from 6229' to 6234'.
- 7/11 CORE #10 FROM 6304' TO 6309'. Cut 5'. Recovered 4'.
Opened 8 1/2" core hole to 9 7/8" from 6304' to 6309'. Drilled ahead with 9 7/8" bit.
- 7/12 Reamed from 6312' to 6346' and from 6352' to 6365'.
- 7/14 Reamed from 6475' to 6490'.
- 7/15 Reamed from 6480' to 6513'.
Lost circulation while drilling at 6514'. Lost a total of 205 barrels in 6 1/4 hours.
Drilled ahead. Circulation O.K.
- 7/18 Drilled from 6530' to 6711'. Had no mud loss.

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- 7/18 CORE #11 FROM 6711' TO 6722'. Cut 11'. Recovered 10'.
Cont. Opened 8 1/2" core hole to 9 7/8" from 6711' to 6722'. Drilled ahead with 9 7/8" bit.
- 7/23 CORE #12 FROM 7161' TO 7167'. Cut 6'. Recovered 6'.
Opened 8 1/2" core hole to 9 7/8" from 7161' to 7167'. Drilled ahead with 9 7/8" bit.
- 7/25 Lost circulation at 7265'. Regained circulation after 2 hours. Lost a total of 250 barrels of mud. No loss of mud below 7282.
- 7/26 Reamed from 7303' to 7307'.
- 7/30 Reamed from 7531' to 7536' and from 7568' to 7576'.
- 7/31 CORE #13 FROM 7631' TO 7632'. Cut 1'. Recovered 4".
- 8/1 Opened 8 1/2" core hole to 9 7/8" from 7631' to 7632'. Drilled ahead with 9 7/8" bit.
Reamed tight hole from 7630' to 7650'.
- 8/3 CORE #14 FROM 7719' TO 7725'. Cut 6'. Recovered 1'.
Opened 8 1/2" core hole to 9 7/8" from 7719' to 7725'. Drilled ahead with 9 7/8" bit.
Reamed from 7750' to 7762'.
- 8/5 CORE #15 FROM 7813' TO 7822'. Cut 9'. Recovered 2".
Opened 8 1/2" core hole to 9 7/8" from 7813' to 7822'. Drilled ahead with 9 7/8" bit.
Reamed from 7832' to 78-3'.
- 8/6 9 7/8" hole drilled to 7919' - total depth.
Circulated and conditioned hole for electric log.
- 8/7 LOG RUN #1 TO 7919'. Ran Schlumberger electric log from 766' to 7919'. Attempted to run gamma-neutron log. Would not record. Ran microlog selectively from 2800' to 7780'. Ran continuous dipmeter from 766' to 7919'. Attempted to rerun gamma-neutron log. Would not record.
Ran in hole with 9 7/8" bit, circulating and passing collars while waiting on gamma-neutron logging equipment.
- 8/8 Ran Schlumberger Gamma-Neutron Log from 766' to 7919'. (Waited 26 1/2 hours on logging equipment.)
- 8/9 CEMENT PLUG #1. Cemented with 4 1/2" open end F.H. drill pipe hung at 2860'. Pumped in 40 sacks of Permanente type "O" cement. Displaced with 220 cu.ft. of mud. Cement in place at 4:30 a.m. Estimated top of cement at 2770'. Witnessed and approved by Mr.

Date

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8 9

Cont.

CEMENT PLUG #2. Cemented with 4 1/2" open end F.H. drill pipe hung at 816'. Pumped in 70 sacks of Permanente type "O" cement mixed with 2% calcium chloride. Displaced with 54 cu.ft. of mud. Cement in place at 5:25 a.m. Job by Howco.

After 4 hours, located top of hard cement at 721', with 6000#, with open end drill pipe. Witnessed and approved by Mr. Newton, Geologist for the State of Oregon.

Laid down 4 1/2" drill pipe. Removed blowout equipment.

8 9

CEMENT PLUG #3. Laid 15 sacks of Permanente type "O" cement from 20' to 3' below surface. Cement in place at 10:00 p.m.

Welded 1/2" steel plate on top of 11 3/4" surface casing. Steel marker 4' above ground level (welded in upright position to steel plate).

ABANDONED WELL.

Rig released at 11:59 p.m.