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STATE DEPT. OF GEOLOGY
& MINERAL INDS.

HISTORY OF OIL OR GAS WELL

(Submit in duplicate)

In compliance with rules and regulations adopted pursuant to ORS 520.095 (Chapter 667 OL 1953)

Operator OROCO OIL AND GAS COMPANY Field BASE PLAIN WILLOW CREEK
Well No. McBride #1 , Sec. 19 , T. 16S. R. 16 East W.B. & M.

Signed *John H. Sullivan*Title Secretary & Land Manager
(President, Secretary or Agent)

Date 2/6/57

It is of the greatest importance to have a complete history of the well. Use this form in reporting the history of all important operations at the well, together with the dates thereof, prior to the first production. Include in your report such information as size of hole drilled to cementing or landing depth of casings, number of sacks of cement used in the plugging, number of sacks or number of feet of cement drilled out of casing, depth at which cement plugs started, and depth at which hard cement encountered. If the well was dynamited, give date, size, position and number of shots. If plugs or bridges were put in to test for water, state kind of material used, position and results of pumping or bailing.

| Date | Description |
|--------------|--|
| 11/21/56 | Moved cat onto location, leveled location, dug pits, commenced moving Amco drilling rig in. |
| 11/22-30 | Rigging up. |
| 11/30 | Drilled 175' w/15" bit, set 156' of 10 3/4" surface pipe w/125 sks., cemented back to surface. Drilled rat hole. |
| 12/1-2 | Waiting on cement, nipples up. |
| 12/3 | Drilling w/9" bit. (Used same to bottom). Lost circulation @ 377' in very porous sand. Mixed mud and dried beet pulp. Recovered bit. |
| 12/4 | Lost circulation @ 1022' in 15' grey silty volcanic ash. Mixed mud & dried beet pulp. |
| 12/5 | Lost circulation @ 1260' in what samples showed as conglomerate. Mixed mud, dried beet pulp and chopped hay. |
| 12/6 | Drilling ahead to 1525', cored and recovered shale. |
| 12/7 | Lost circulation @ 1670'. Mixed mud and chopped hay. |
| 12/8-9 | Working regaining circulation. Lost it again @ 2076' in volcanics. |
| 12/10 | Lost circulation @ 2381' in fractured basalt. Mixed mud, hay & sawdust. |
| 12/11-12-13 | Hole heaved, redrilling to bottom, added diesel & water to mud. |
| 12/14-15-16 | Mixed more hay & caustic to mud, set diesel & jell plug, regained circulation, completed reaming to bottom, drilling ahead. |
| 12/17 | Lost circulation @ 2577' in fractured basalt. |
| 12/18 | Ran diesel & jell plug on bottom, mixed mud & hay, hole heaving @ 1000' |
| 12/19-20-21 | Drilled 5 tours to regain bottom, lost circulation @ 2750', regained @ 2750', set diesel & jell plug, and shut down for holidays-off until 12/30 |
| 12/31 | Drilling ahead, lost circulation @ 3384' in volcanics, regained @ 3384' |
| 1/1/57 & 2-3 | Drilling ahead, lost circulation @ 3522'. Regaining circulation, same. |
| 1/4-5-6 | Drilling ahead, lost junk (cone of bit) in hole @ 3985'. |
| 1/7-8 | Fished w/junk basket, went back in hole and drilled junk out. |
| 1/9 | Drilling ahead to 4250' |
| 1/10-11 | Cored serpentine @ 4385'. |
| 1/12 | Drilled to T.D. 4506' conditioned hole for Se lumbergen, ran 1. log. |
| 1/13 | Halliburton set three cement plugs, 40' plug w/20 sks @ 3920', 150' plug w/60 sks @ 1960', 50' plug w/20 sks @ 500'. |
| 1/14-15 | Rigging down. |