

DEC 21 1974

State 22 Communitized

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11760 TD

WOC. 5 1/2" OD casing and Gearhart-Owen accessory tools set at 11,723.22' -- details as follows:

No. Jts.	Description	Length	From	To
---	Rotary correction	17.00	0.00	17.00
48	5 1/2" OD N-80, 17#/ft. LT&C casing	1828.06	17.00	1845.06
122	5 1/2" OD K-55, 17#/ft. LT&C casing	5186.91	1845.06	7031.97
104	5 1/2" OD N-80, 17#/ft. LT&C casing	3719.88	7031.97	10751.85
18	5 1/2" OD N-80, 20#/ft. LT&C casing	642.97	10751.85	11394.82
---	Top packer, 5 1/2" x 7" Gearhart-Owen	31.37	11394.82	11426.19
1	5 1/2" OD x 7" Gearhart-Owen Extension	5.00	11426.19	11431.19
1	5 1/2" OD x 7" Gearhart-Owen Extension	10.00	11431.19	11441.19
1	5 1/2" OD x 7" Gearhart-Owen Extension	20.00	11441.19	11461.19
1	5 1/2" OD N-80, 20#/ft. LT&C casing sub:	11.03	11461.19	11472.22
1	5 1/2" OD N-80, 20#/ft. LT&C casing	38.64	11472.22	11510.86
---	Middle packer, 5 1/2" x 7" Gearhart-Owen	31.37	11510.86	11542.23
1	5 1/2" x 7" Gearhart-Owen Extension	20.00	11542.23	11562.23
1	5 1/2" OD N-80, 20#/ft. LT&C casing	26.03	11562.23	11588.26
---	Bottom packer, 5 1/2" x 7" Gearhart-Owen	31.37	11588.26	11619.63
1	5 1/2" x 7" Gearhart-Owen Extension	10.00	11619.63	11629.63
1	5 1/2" x 20' Gearhart-Owen Extension	20.00	11629.63	11649.63
1	5 1/2" OD N-80, 20#/ft. LT&C casing	37.00	11649.63	11686.63
1	5 1/2" OD N-80, 20#/ft. LT&C casing, with baffle in collar:	35.50	11686.63	11722.13
1	5 1/2" OD AF-71 guide shoe, Gearhart-Owen	1.09	11722.13	11723.22

Twelve (12) spring-type centralizers are spaced at 100' intervals from 11,398' to 10,255'.

A "strike-bar" was run by GO International, Inc. to knock out shear pin to set packers -- pulled out of hole. Go International, Inc. was rigged down. A 1 5/8" bronze ball was dropped to seal shoe.

At 7:50 a.m., HOWCO was rigged up. 10#/gal. brine was pumped in to inflate packers. Pressured to 750 psi -- sheared end of float collar -- releasing "flapper" valve. Circulated hole at 4 bbls. per minute at 750 psi, for 20 minutes.

HOWCO commenced mixing cement at 8:10 a.m. -- cemented 5 1/2" casing with 100 sacks class H cement containing 1% CFR-2, plus 3# Kcl per sack, followed by 850 sacks class H cement containing 8/10 of 1% Halad, plus 3# Kcl/sack. Displaced with 10 PPG brine, at 8 bbls. per minute. Suction was insufficient after switching from mud pits to brine tank -- connected fresh water (using approx. 70 bbls. fresh water, mixed with brine) to finish displacement. Total displacement 70 bbls. fresh water + 210 bbls. brine water = 280 bbls. Maximum pressure 2100 psi. Bumped plug. Pressured to 2900 psi, held for 5 minutes -- OK. Released pressure; bled back 2 1/2 bbls.; shut off. Plug holding. Released HOWCO. Mixing time was 45 minutes. Slurry weight 15.8 PPG.

Picked up BOP. Gray Tool Company set 5 1/2" casing slips; cut 5 1/2" casing. Removed BOP. Gray nipped up in cellar. Pits were cleaned.

McVAY DRILLING CO. rig was released at 12:00 midnight, 12-21-74.

WOC.