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5-25-60 Rig up Young Drilling Co. rig No. 1. Clean out hole to 4195'. Laying down 2" tubing.

6-1-60 Blowing hole. Set Baker Model "K" cement retainer @ 4148'. Cemented w/110 sks. reg., 2% gel, 1/2 cu. ft. Strata-Crete "6"/sk., followed w/100 sks. reg. 2% calcium chloride. Final pr. 1800 #.

6-3-60 Blowing dry. Shoe 4 jet holes 4164'-4165'. Ran Baker Model "K" cement retainer set at 4103'. Squeezed w/100 sks. reg., w/2% calcium chloride. Final pr. 3000#.

6-4-60 Blowing new hole. Drilling cement. Drilling B.P. Set Whipstock. 4217

6-17-60 Gage well @ 7055-234 MCF. @ 7085-262 MCF. @ 7115-262 MCF. Total Depth 7150'.

6-19-60 Ran 61 joints 5", 15 # casing (2019') & 124 joints 5 1/2", 15.5 # 4-55 casing (5077') for a total of 185 joints (7096') set at 7106' w/175 sks. Plank, 175 sks. reg. cement with 1 1/4 # Tuff Plug/sk., 1 1/4 # Plowell/sk., 2% gel, & 0.4 # R-2 followed w/50 sks. reg., w/0.4 # R-2. Held 3000 # 30 minutes.

6-22-60 C.O.P.D. 7080'. Water frac Lower Dakota perf int. 6998-7006; 7019-7026; 7032-7038; 7046-7060; (2 SRF) w/40,200 gal water & 40,000 # sand. B.D.P. 2500 #, max. pr. 3500 #, avg. tr. pr. 3280-3300-3400-3500 #. I.R. 30.5 B.P.M. Flush 9240 gallons.

6-23-60 Temp. B.P. set at 6980'. Water frac Upper Dakota & Graneros perf int. 6814-6822; 6830-6835; 6844-6856; 6890-6898-6904-6912 (2 SRF) w/40,300 gal water & 40,000 # sand. B.D.P. 1200 #, max. pr. 3500 #, avg. tr. pr. 288 2400-2600-2900-3400 #. I.R. 43.5 B.P.M. Flush 8400 gal.

6-26-60 Temp. B.P. set at 5500'. Water frac Point Lookout perf int 4698-4714; 4732-4742; 4754-4764; 4810-4818; 4920-4928 (2 SRF) w/46,200 gal water & 60,000 # sand. B.D.P. 600 #, max. pr. 2500, avg. tr. pr. 1800-2200-2500-2300 #. I.R. -61.1 B.P.M. Flush 5040 gal.

6-27-60 Set Baker 2-B-MC Magnesium B.P. @ 4600'. Ran Dia Log Free point. Pipe free @ 3500'. Ran HOWCO mechanical cutter. Cut @ 3500'. Failed. Tried cuts @ 3510'. & 3475'. Unsuccessful.

6-28-60 Cut on casing. No results. Tested 5 1/2" casing to 1500 #. Blowing hole dry to B.P. Drilling plug @ 4600'.

7-3-60 Set Baker 5" model "D" packer on wire line @ 6550'. Ran 211 joints 2 1/16" 3.177 #, J-S 10 Rd. Textube integral joint tubing (7037'). Set at 7048'. Tubing parts 7015-7018 BPI setting nipple @ 7013'.

7-4-60 Ran 156 joints 1 1/4", 2.4 # J-55 RUE 10 Rd. tubing (4907') set at 4919. Tubing parts 4885-4887. BPI setting nipple @ 4884.

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