

AUG 5 1960

Spudded 17-1/2" hole 12:00 midnite November 9, 1959. Ran 445' of 13-3/8" O.D. casing and cemented at 461' with 600 sx. regular cement. Plug at 440'. Tested before and after drilling plug with 600 PSI. Tested OK. Job complete 10:15 P.M. November 11, 1959.

Ran electric log on Nov. 18, 1960 at 2875'. Ran 2861' of 9-5/8" O.D. casing and cemented at 2875' with 1500 sx. 4% Gel Incor. and 200 sx. regular cement. Plug at 2844'. Tested before and after drilling plug with 1000 PSI. Tested OK. Job complete 10:30 A.M. November 20, 1959.

DST #1 from 9330' to 9397'. Tool open 1 hr. with slight blow of air dim to 0 in 45 mins. Rec 120' D.M. NS. 30 MSI-398, IF-83, FF-104, 30 MFSI-2497. HI & HO-4469. Job complete 4:00 P.M. December 26, 1959.

Core #1 from 11,115 to 11,165 core 50' rec 48' of 96% scattered O&C bleeding thruout. Core date January 16, 1960.

DST #2 from 11,115 to 11,165. Tool open with few bubbles air and died. Left open 30 min. Reopen tool with few bubbles air and died. Left open 1-1/2 Hrs. Rec 1200' WB and 90' DM. NS 30 MSI-665, IF-590, FF-590, MFSI-600, HI-5285, HO-5280. Job complete 4:00 P.M. January 19, 1960.

Core #2 from 11,165 to 11,180 core 15' Rec 10' of 66% NS. Core date January 20, 1960.

Core #3 from 11,180 to 11,201 core 21' Rec 20' of 95% 20' black SH, Core date Jan. 21, '60.

Core #4 from 11,201 to 11,217 core 16' Rec 16' - 100% LI & SH. NS. Date Jan. 22, 1960.

Core #5 from 11,217 to 11,232 core 15' 100%, Rec with show O&G. Date Jan. 22, 1960.

DST #3 from 11,207 to 11,232. Tool open 2 hrs. with weak blow air increasing to good blow thruout test. No gas or fluid to surf. Rec small amt gas in DP and 1200' GCWB and 75' HOCDM with very slight show of oil. 30 MSI-4520. HI-5285, IF-606, 30 MFSI-4520, HO-5285, FF-606. Job complete 7:30 P.M. January 23, 1960.

Core #6 from 11,232 to 11,240 core 8' 100%, Rec LI and CHT NS. Date January 24, 1960.

Core #7 from 11,240. Fail to cut. Date January 24, 1960.

Core #8 from 11,241 to 11,257 core 16' 100%, Rec LI and CHT. NS Date Jan. 25, 1960.

DST #4 from 11,217 to 11,270, tool open with weak blow increasing to good blow and cont'd thruout test. Left open 2 hrs. Rec 1200' GCWB with 1 gal free oil and 150' GCDM with trace of oil. 30 MSI-4130, IF-650, HI-5285, 30 MFSI no record, FF-680, HO-5260. Temperature 150°. Job complete 2:20 P.M. January 27, 1960.

DST #5 from 11,270 to 11,350, tool open 2 hrs with weak blow increasing to good blow and cont'd thruout test. Rec 1200' WB 180' DM and 3650' SW. 30 MSI-4585, IF-590, FF-2270, 30 MFSI 4550, HI-5280, HO-5280. Temp. 162°. Job complete 1:15 P.M. Jan. 29, '60.

DST #6 from 11,450' to 11,650'. Tool open 2 hrs with good blow and cont'd thruout test. Rec 1500' WB 900' DM and 7900' SW. 30 MSI-4730. IF-1755, FF-4730, 30 MFSI-4730, HI and HO-5355. Temp. 148°. Job complete 2:45 P.M. February 6, 1960.

Core #9 from 12,082 to 12,130. core 49' 98.2% LI & SH. Date February 13, 1960.

Core #10 from 12,130 to 12,158 core 28' 100% Rec with 15' porosity and SL stain. Date February 15, 1960.

DST #7 from 12,072 to 12,158. tool open 2-1/2 hrs OP with good blow air diminishing at end of test. No gas or fluid to surf. Rec. 150' DM and 3900' SW. NS. 30 MSI-4420, 30 MFSI-3140, IF-820, FF-1960, HI and HO 5600#. Temp. 190°. Job complete 4:00 P.M. February 16, 1960.

Ran Log February 18, 1960.

Ran 11,330' of 17.00 lb., N-80, 8R 5-1/2" O.D. casing and cemented at 11,342 with 200 sx. 4% Gel Incor. Plug at 11,306'. Tested with 1500 PSI. Tested OK. Plug not drilled. Job complete 1:30 P.M. February 21, 1960. Wash down to 11,298'.

Ran 11,196' of 2-3/8" Tbg. Set at 11,182', perforate 5-1/2" O.D. casing with 4 jet shots per ft below tubing, 11,202' to 11,224. A/CSG perfs w/500 gals. Regular 15% acid, Tbg 5700/5200, Csg 1500 at 1 BPM. Job complete 9:30 P.M. February 21, 1960. Swbd and Fld 79 BF (43 BLO, 12 BAW, & 24 BNO), 12 hrs w/show of gas. A/2nd stage w/1500 Reg. 15% acid. Tbg 4600/4000, Csg 1500 at 2.5 BPM. Job complete 6:00 P.M. Feb. 22, 1960. Swbd 13 hrs, 43 BLOW & 10 BAW & 49 BNO. Well swab down. A/csg perfs 11,202-24 w/3rd stage of 5000 gals Reg 15% acid. Used 55 gals control fluid in 24 Bbls LSE crude ahead of treatment. Tbg 4700/3900, 10 MSIP-2900#, Csg-1200#, Rate 4.1 BPM. Job complete 4:05 P.M. February 23, 1960. Swbd L&AW 8 hrs to pits F/5 hrs 20 BF, 60% AW. F/8 hrs, 1st 5 hrs gas vol. 264.7 MCFPD & no fluid. Last 3 hrs well flowed 20.5 BNO thru a 24/64" choke. Gas vol 443.9 MCFPD, Tbg 70#, SI at 4:00 P.M. February 24, 1960.

Perforate 5-1/2" O.D. casing from 11,224' to 11,240' with 4 jets per ft using swing jet thru tubing. Acidize casing perforation from 11,224' to 11,240' with 7500 gals Reg 15% acid. Spot 2000 gals on Btm & let soak 30 mins. Follow with 10 Bbls LSE crude & 500 gals Gel Bloc and 5500 Gal acid down 2" tubing at 6 BPM. Job complete 12:45 P.M. March 7, 1960. Plug back with 750# Hydromite to 11,220'. Chk PB at 11,234'. Ran Tbg with Pkr set at 11,165' with 20' Tail Pipe.

Vis-Squeeze Csg perfs 11,202' to 11,234' w/75 sx at 850#. Clear perfs w/100 MSI. P-850#. Ran 2nd stage of 75 sx Vis-Squeeze to cmt csg perfs 11,202'-11,234'. Max press 750#. 10 MSI-750#. Job complete 10:30 A.M. April 3, 1960. Vis-Squeeze csg perfs 11,202'-11,234' w/300 sx cmt at 2800#, 22 MSI-800#. Job complete 10:15 A.M. April 6, 1960. With cement retainer set at 11,185'. sqz csg perfs 11,202'-11,240' with 50 sx cmt. Max press 2200 to zero. Mix 45 gals Latex. Failed to squeeze. Squeeze csg perfs stage 2 with 100 sx cmt. mixed with 90 gals Latex and 1/4# Flocel/sx cement. Press 4800/500#.