



614 PATTON ROAD P.O. DRAWER 1367
GREAT BEND, KANSAS 67530
PHONE (316)793-5610

BUNKER 'D' #1
SE SW SE, Sec 24-25s-14w
Stafford County, Kansas

COMPLETION REPORT:

Commenced: 9/18/84

Completed: 9/25/84

RTD: 4420'

Surface Casing: 8 5/8" set at 389 with 275 sacks cement

Production Casing: 5 1/2" set at 4419' with 175 sacks cement

DRILLING INFORMATION:

- 9/18/84 Moved in Mohawk Rig #7. Preparing to drill surface hole.
- 9/19/84 Drilled to 389', set 8 5/8" surface casing, cemented with 275 sacks of 60/40/ Pozmix 2% Gel, 3% CC. Cement did circulate. Drilling ahead at 500'
- 9/20/84 Drilling ahead at 2560'.
- 9/21/84 Drilling ahead at 3356'.
- 9/22/84 Drilled to 3840'. DST #1 (3810-3840) LANSING 'F' ZONE, REC: 150' M, 120' W, SIP: 1109/1888, FP: 84-105/127-148, HP: 1888/1888, BHT:115F
Preparing to drill ahead.
- 9/23/84 Drilled to 3908'. DST #2 (3873-3908) LKC 'H' ZONE, REC: 30' GIP, 90' M, SIP: 856/740, FP: 52-52/63-63, HP: 1930/1930, BHT:116F
Drilled to 4110'. DST #3 (4070-4110) CONGOMERATE, REC: GTS in 2", Stabilized at 319,000 CFGPD, 130' DM, 120' TWM, 120' W, SIP: 1173/1078, FP: 169-169/233-222, HP: 2109/2019, BHT:120F.
Preparing to drill ahead.
- 9/24/84 Drilled to 4180'. DST #4 (4119-4180) MISSISSIPPI, REC: GTS in 64 mins, STABILIZED at 5.60 MCFG, 30' Mud, 64' GOCM, 64' CMCO, 128' SMOGO, SIP: 835/698, FP: 52-84/105-116, HP: 2109/2088, BHT:122F
Drilling ahead at 4197'.
- 9/25/84 Drilled to 4420'. Preparing to run log.
- 9/26/84 After viewing the log and due to the results of DST #3, and #4, it was decided to set 5 1/2" casing and attempt to complete as a commercial oil or gas well or combination of both. Released Mohawk Rig #7. Will attempt to complete the well in a week to 10 days.

COMPLETION INFORMATION:

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- 10/5/84 Moved in Mohawk Rig #5. Marked bottom of hole on line at 4405'. Swabbed well down 2000' from top. Electra Log perforated MISSISSIPPI from 4138-4142, and 4147-4153. Swabbed the well down to 4185 and waited 15 mins. Checked natural fill up, 20' of mud cut oil.
- 10/6/84 Checked overnight fill up. Had 150' of oil and 50' of Muddy Water. Tested zone for 2 hours and made 1 bbls of fluid per hour at 45% Oil. Treated with 750 gls of acid at 5 bbls per min at 500# of pressure. Well went on vacuum after 20 mins. Swabbed back 110 bbls of 120 bbl load. Zone went to oil, 2½ bbls per hour, at 100% oil. Last 60 min test was 2½ bbls fluid at 80% Oil.
- 10/8/84 Checked well over the weekend. Had 200# of gas pressure and 1800' of fluid. Swabbed down 45 bbls of fluid. 30 bbls of oil and 15 bbls of water. Tested well for 5 hours. Zone made 2 bbls of total fluid per hour at 100% Oil.
- 10/9/84 Checked fluid level. 1500' of fluid. Swabbed well down and removed the swab equipment. Halliburton fraced the well with versa gell L.T. frac with 10,000# 20/40 sand and 10,000# of 10/20 sand.
- 10/10/84 After the frac job, checked the fluid level, 500' from the top. Swabbed back a total of 150 bbls of fluid into the pits when the well turned to oil. Swabbed a total of 100 bbls into the tank. The well was testing at 16 bbls fluid per hour at 40% oil with a lot of gas. Tested on well for 3 hours. Well held a constant 250' of fluid. Shut the well in overnight.
- 10/11/84 Checked overnight fill up, 200# of gas pressure. 2000' of fluid and 1000' oil. Could not swab well down to bottom. Zone made 20 bbls of total fluid per hour at 50% oil. Zone held a constant 500' of fluid. Removed 160 bbls of oil from the swab tank and put into tank battery. Helped unload the tubing and rods. Checked sand full up, had 40' of sand on bottom. Sand fill up total depth is 4365' with 210' of rat hole below perforations.
- 10/12/84 Washed and rigged down the swab equipment. Tallied and ran in tubing. Spaced tubing 4' off of the bottom. Ran into the well 134x2 7/8" 8 RND EUE tubing, 1-8, x 2 7/8" 8 RND EUE Tubing sub, 1x2½" 8 RND Seating Nipple, 15'x 2 7/8" 8 RND EUE mud anchor.
- 10/13/84 Ran in pump and rods, clamped off the polish rod. Rigged down and picked up around location. 3 new rods came from Continental Emsco. Ran into well: 16'x1½" polish rod with 6' liner, 1-4, x 3/4" rod sub on pump, 173 x 3/4" rods, 12'x1½x2½" pump, 6'x1½" gas anchor.
- 3/6/85 Moved in Mohawk Rig #5. Pulled rods and tubing.
- 3/7/85 Tested the MISSISSIPPI for 60 mins. The zone made 3 bbls total fluid per hour at 80% oil. Electra Log perforated the LOWER MISSISSIPPI CHERT from 4203-4210. Electra Log line parted on top of stinger. Fished it out with sand line. Ran in 127 jts of 2 7/8" tubing with RTTS. Set packer and treated LOWER MISSISSIPPI with 750 gls of double strength FE Acid at a rate of 8 bbls per min at 800# of pressure. Treatment went on instant vacuum.
- 3/8/85 Swabbed back 20 bbls of 45 bbls load. Zone had 500' of fluid in tubing. Tested the zone for 3 hrs. Zone made 2 bbs total fluid at 30% Oil, 30% acid and 40% wtr. Tried to frac well through the tubing and zone communicated. Pulled out tubing and Otis 5½" RTTS. Finished fracing well through the casing.

- 3/9/85 Opened Halliburton's frac valve. Well was on a vacuum. Tagged fluid 500' from top. Well started kicking back with 2200' fluid in well. Tested the well for 60 mins. Zone made 100 bbls fluid per hour at 20% Oil and 80% frac water. Had large amount of gas. Left the well open into swab tank over the weekend.
- 3/11/85 Checked fluid level. 800' from top. Swabbed a total of 80 bbls of oil into the tank on swab down. Swabbed all day on the well. The last hour test made 35 bbls total fluid at 50% oil and 50% frac water. Total back 400 bbls. Should be approximately 200 bbls of frac load left in well. After testing the zone it still held 1000' of fluid in the well.
- 3/12/85 Checked overnight fill up. Had 2200' of fluid in the well. Pull was 100% oil. Rigged up sand pump and cleaned out 20' of sand from the well. Rigged down the sand pump. Started in with tubing to put the well into production.
- 3/13/85 Ran in rods and tubing to put well into production. Cleaned up around location. Rigged down and moved off of location. Ran into well: 16'x1½" polish rod with 8' liner, 1-2, 2-4, & 2-6x 3/4" and 1-4x 3/4" rod subs on pump, 170 x 3/4" rods, 2½ x 2x 12' BHD pump, 5'x1½" gas anchor, 1-8x 2 7/8" 8 RND EUE tubing subs, 133x 2 7/8" 8 RND EUE tubing, 1x2½" 8 RND EUE seating nipple, 15'x2 7/8" 8 RND EUE mud anchor, Spaced tubing 20' off of bottom.
- 5/1/85 Pumped 1500 gls of 15% Double Strength FE down the annulus and followed with 40 bbls of water. Left well down 24 hours. Acid was pumped down to clean up the well bore and enhance total fluid recovery.
- 6/18/85 Moved in K&K Well Service. Rigged up. Pulled rods to part. Ran fishing tool & made fish. Pulled pump on bank. Received orders to get pump rebuilt at North-western Supply.
- 6/19/85 Picked up pump. ran in all same, replacing broken rod. Added 2' sub for more exposed polish rod. Seated in pump. Long stroked to check blow. Hung well on. Cleaned up. Tore down. Moved off location. Left well pumping.
- 7/6/85 Moved in Pratt Well Service, Inc. Longstroked the well, well on vacuum. Pulled 16' polish rod, 3/4"x4'4'6'6" subs and 156 3/4" rods. Body break on the 156th rod. Ran in overshot, fished the well, pulled 156 rods and fished and pulled 16 more rods, 2½x2x12 BHD TB pump with a 1½x6 gas anchor. Changed pumps and ran new 2½x1½x1 BHD TB Pump with a 1½x6 gas anchor, 172 3/4" rods, 3/4x4'4'6'6" subs and a 16' polish rod. Hung well on. Respaced the well and started the well pumping. Rigged down and moved off location.
- 8/27/85 Moved in Mohawk Rig #3. Pulled rods to part. Parted on the 144th 3/4" rod, body break. Put on new rod and ran everything back in. Started pumping and rigged down. Moved off of location.
- 10/9/87 Moved in Moahwk Rig #4 and pulled rods & pump. Changed the pump out and ran everything back in. Rigged down and moved off location.