



JOE E. BROUGHER, President

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

THOMPSON "A" #1
NE NE SW, Sec 10-9s-17w
Rooks County, Kansas

COMPLETION REPORT:

Commenced: 1-28/84

Completed: 3/23/84

RTD: 3540'

Surface Casing: 8 5/8" set at 332' with 200 sacks cement

Production Casing: 4 1/2" set at 3539' with 150 sacks cement

DV Tool set at 1340' and cemented with 400 sacks cement

DRILLING INFORMATION:

- 1/28/84 Moved in John O. Farmer and drilled to 332' and set 8 5/8" surface casing. Cemented with 200 sacks of 50/50 Pozmix, 2% Gel, 4% CC. Cement did circulate. Waiting on cement.
- 1/29/84 Drilling ahead at 667'.
- 1/30/84 Drilling ahead at 1970'.
- 1/31/84 Drilling ahead at 2445'.
- 2/1/84 Drilling ahead at 2875'.
- 2/2/84 Drilled to 3150' and ran DST #1 (3090-3150) OREAD (Plattsmouth), TIMES: 30"45"15"45", REC: 15' DM, SIP: 871-850, FP: 42-42/42-42, HP: 1659-1639, BHT 92F
- 2/3/84 Drilled to 3277' and ran DST #2 (3226-3277) LKC "B"-"D", TIMES: 30"45"15"45", REC: 5' Mw/VFOSpks, SIP: 603-561, FP: 42-42/42-42, HP: 1743-1722, BHT 96F
- 2/4/84 Drilled to 3450' and ran DST #3 (3412-3450) MARMATON, Misrun
- 2/5/84 Reconditioned the hole and ran DST #4 (3386-3450) MARMATOR, Misrun.
- 2/6/84 Drilled to 3500' and circulated for samples in the ARBUCKLE.
- 2/7/84 Drilled to 3540' and logged well with Welex Computer Log. After viewing the log and comparing it with surrounding logs on wells in the immediate area, even though we did not get a conclusive Drill Stem Test in the Maramton Section as we had two misruns in this area, it was decided to set 4 1/2" casing 1' off bottom to further test the MARMATON thru perforations in the casing. We had a good show of live oil and odor in the samples along with a 5' section of clean sand on the log. We will attempt to complete the well in 10 days to two weeks. Released John O. Farmer, Inc.

- 3/3/84 Moved in Mohawk Well Service and rigged up.
- 3/5/84 Reset rope socket. Swabbed hole down to 3100'. Perforated MARMATON from 3434-3437', swabbed down to bottom. Ran the bailer, had small show of oil. treated by Halliburton with 500 gls of mud acid, load of 68 bbls. Swabbed back 55 bbls. Tested:
1st 30" 3.34 bbls
2nd 30" 2.50 bbls
3rd 30" 1.67 bbls
- 3/6/84 Overnight fillup 9.18 bbls at 22% acid water.
1st 30" 1.67 bbls at 16% acid water
2nd 30" 1.67 bbls no water, trace of mud
3rd 30" .83 bbls, trace of mud
4th 30" 1.25 bbls, trace of mud
5th 30" 1.25 bbls, trace of mud
1st 60" 2.50 bbls, trace of mud
2nd 60" 2.50 bbls, trace of mud
3rd 60" 1.67 bbls, trace of mud
4th 60" 1.67 bbls, trace of mud
5th 60" 1.67 bbls, trace of mud
6th 60" 1.67 bbls, trace of mud
7th 60" 1.67 bbls, trace of mud
- 3/7/84 Picked fluid up at approxiamtely 3100'. Swabbed 6.26 bbls fluid, no water or mud. Tested:
1st 60" 2.92 bbls
2nd 60" 1.25 bbls
Sand fraced the MARMATON from 3434-3437 by Halliburton with 3300# of sand with 250 bbls of Gel. Shut well in overnight. Treated 7½ bbls per minute at 450#.
- 3/8/84 Picked fluid up at approximately 1600'. Swabbed down to 2900', fluid started kicking back. Swabbed to bottom. After 3 hours had slight rainbow, swabbed into tank. Test:
1st 60" 8.77 bbls at .5% Oil
2nd 60" 3.76 bbls at 1% Oil
3rd 60" 3 pulls 3.34 bbls at 1.5% Oil
4th 60" 3 pulls 3.34 bbls at 25% Oil
- 3/9/84 Picked static up at 2925'. Swabbed 7.51 bbls total fluid at 25% Oil. Tested:
1st 60" 5.01 bbls at 42% Oil
2nd 60" 4.17 bbls at 55% Oil
3rd 60" 3.34 bbls at 55% Oil
4th 60" 3.34 bbls at 57% Oil
5th 60" 2.09 bbls at 62.1% Oil
Perforated LKC "K" ZONE from 3399-3402'. Halliburton's retrievable bridge plug at 3418.5'. Swabbed down to 3400', retrieved 3.34 bbls total fluid. Tested:
30" test was 0. Left open overnight.
- 3/10/84 Overnight fillup was approximately 5 gls of muddy oil. Treated by Halliburton with 500 gls of mud acid. Pressured up to 50#, increased to 250#. Treated 2 bbls per minute and pressure fell to 125#, on instant vacuum. Fluid dropped 300' in 20". Swabbed 57.20 bbls on swab down. Tested:
1st 30" 2.92 bbls with a show of oil
2nd 30" 2.09 bbls
3rd 30" 2.09 bbls
4th 30" 1.67 bbls
1st 60" 2.09 bbls at 25% Oil
2nd 60" 2.09 bbls at 44% Oil
3rd 60" 2.09 bbls at 53% Oil
1st 90" 2.92 bbls

- 3/12/84 Picked fluid up at 2000'. Swabbed 38.41 bbls to swab down. Last show 8% Oil. Tested:
1st 60" 5.84 bbls
2nd 60" 4.17 bbls at 12.5% Oil
3rd 60" 4.17 bbls at 12.5% Oil
4th 60" 3.76 bbls at 4% Oil
5th 60" 2.50 bbls, no oil
Pulled plug and perforated by Electra Log in the LKC "J" ZONE from 3376-3379/3SPF.
Set retrievable Bridge Plug at 3390'. Swabbed down and tested:
1st 30" 2.50 bbls of fluid
2nd 30" 2.09 bbls of fluid
Retrievable bridge plug, discovered plug failure.
- 3/13/84 Ran another Halliburton retrievable Bridge Plug on wire line and set 3390'. Swabbed 6.68 bbls, 30" test showed hole dry. Acidized by Halliburton with 500 gls of 15% MCA. Maximum pressure 250#, well on vacuum. Completion picked fluid up at 750'.
Swabbed 61.37 bbls on swab down, tested:
1st 30" 3.76 bbls at 45% Oil
2nd 30" 3.34 bbls with trace of oil
3rd 30" 2.92 bbls with trace of oil
4th 30" 2.09 bbls with trace of oil
1st 60" 2.92 bbls with trace of oil
2nd 60" 2.09 bbls with trace of oil
Treated by Halliburton with 1000 gls of 15% MCA. Shut in overnight.
- 3/14/84 Picked static level up at 2000'. Swabbed 36.74 bbls on swab down. Tested:
1st 30" 4.17 bbls
2nd 30" 3.76 bbls
3rd 30" 2.92 bbls
4th 30" 2.50 bbls
5th 30" 2.50 bbls
6th 30" 2.50 bbls
7th 30" 2.09 bbls
8th 30" 2.09 bbls
9th 30" 1.67 bbls
Retrieved Halliburton's Bridge Plug. Electra, Inc. perforated ANHYDRITE at 1340'.
Set drillable bridge plug at 3000', loaded hole. Pumped 400 sacks of cement behind the pipe.
- 3/15/84 Drilled pump plug and 61' of cement. Bailed rotary mud off top of plug at 3000'.
- 3/16/84 Ran the bailer, picked fluid up at 400'. Ran the bailer twice, had sand in rotary mud
Ran tools to bottom, knocked bridge plug at 3000', broke within 30' of total depth.
Swabbed muddy water and some sand. Ran bailer and cleaned up on bottom.
- 3/20/84 Strung up 4" stem, ran bailer down to top of fluid. Picked static up at 500'. Ran Halliburton retrievable bridge plug down to 3000'. Loaded the hole and pressured up to 1000#. Pumped 2 bbls per 1000#. Dumped 200# of sand on top of bridge plug.
Cemented with 200 sacks of Halliburton Lite, 100 sacks of common with 2% CC. Shut in overnight.
- 3/21/84 Swabbed down to 1200'. Drilled 26' of loose cement top of pump plug. Drilled 37½' of cement below the pump plug.
- 3/22/84 Ran the bailer, overnight fill up leaked in approximately 80'. Bailed down and dry tested for 1 hr. Picked up 3 gls of 2qter. Drilled 1 hr. Picked up 3 gls of water. Drilled 27' of cement, cleaned out and drilled 3' cement. Broke through and ran tools down to 1700'. Came out and bailed down to approximately 1350'. Tested for 1 hr, gained 1 gls of fluid. ran plug catcher on end of tubing. Ran in 95 jts, washed over and circulated hole volume. Retrieved bridge plug and reset at 3010'. Came out of the hole with bridge plug. Murray casing crew ran and pulled tubing.

- 3/23/84 Ran 15' mud anchor, 1' seating nipple and 109 jts of 2' tubing. Landed with 1-2', 1-4 1-8, and 1-10' pup jts. Ran in 2x1½x10' BHD pump, rods, ¾x2' pony top of pump and 16'x1½" polish rod. Spaced pump 1' off bottom. Rigged down.
- 5/15/84 Tretolite grind out: 46% Oil at 68F. 1 6/10% Greyish substance in well. Fluids with poor water quality. Well fluids are dirty - has not cleaned up from solids. Appears to be mud & formation substances - not iron sulfide! An acid with detergent cleanup may be necessary to clean up the well. The down hole pump just pulled showed excessive wear from not pumping and was full of solids. Samples were taken today - Don Roberts.
- 5/10/84 Late Entry: Moved in Chase Well Service and pulled 137 rods and 2x1½x10' BHD pump. Ran repaired pump from Northwestern, 2x1½x10' BHD and 137 rods. Spaced well and hung well on. Tore down and cleaned up location.
- 5/24/84 Tretolite tan water analysis. See analysis in well file.
- 8/6/84 Tretolite treated well with 4 gls of KP-102 and 5 gls of XC-133 for control of corrosion and bacteria.
- 9/5/84 Tretolite treated well with 4 gls of KP-102 and 3 gls of XC-133 for control of corrosion and bacteria.
- 10/30/84 Moved in Chase Well Service and pulled 127 rods and 2x1½x12' BHD pump. Pump repaired at Northwestern. Ran 2x1½x12' BHD pump, 127 rods. Spaced well and hung well on. Tore down and cleaned up location.
- 12/18/84 Halliburton treated well with 1000 gls of 28% FE Double Strength FE Acid.
- 1/26/85 Well was barrel tested and tested out to 1 bbls of oil in 80" of pumping. This figured out to 18 bbls of oil a day and just a trace of water. The well is pumping at 8½ strokes a min at a 48" stroke. A fluid level was shot and it showed the well was holding 1800' of fluid in the hole. the well is currently treated with NALCO 712 Emulsion braker and 793 Corrosion Inhibitor at a rate of 1 qt a day continuous feed. Also the well is being treated with 1 gal of the 793, one time a week and circulated for 1 hr.
- 1/29/86 Tretolite delivered 1 drum of demulcifier to be used on the lease.
- 8/11/86 Moved in Mohawk Well Service and pulled and replaced the pump. ran everything back and rigged down. Moved off of location.
- 8/19/86 Ja-Cam ran water analysis and had positive 1-9 Sulfate Reducing Bacteria.