

PHONE

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SOUTHEAST STATION

TULSA, OKLAHOMA 74145

COMPLETION REPORT

Robert R. Price Operating, Inc.
#16 Cave
S/2 SW SW Section 7-11S-18W
Ellis County, Kansas

API #15-051-23160
Commenced: 10-26-82
Completed: 11-8-82

Elevation: 1937' GD.
1939' DF.
1942' KB.

Casing Record:

8 5/8", 20#, @ 330' w/175 sx.
5 1/2", 14#, @ 3599' w/200 sx.

RTD: 3600'
LTD: 3550'
PBSD: 3550'

11-16-82: RU L-K Wireline. Ran GR/N and Sonic-Bond Logs. Top of contaminated cement at 2748'. Top of clean cement at 2775'.

ELECTRIC LOG TOPS

Anhydrite	1291' #651
Topeka	2937' -995
Heebner	3161' -1219
Toronto	3177' -1235
Lansing	3201' -1259
B/KC	3428' -1486
Marmaton	3450' -1508
Conglomerate	3464' -1522
Simpson Dolomite	3514' -1572
Arbuckle	3533' -1591
LTD	3550' -1608

12-23-82: RU L-K Wireline. Perforate Kansas City "L" zone at 3421-3426 with one hole per foot. Swab casing dry. Had GSO for two hours. SD.

1-19-83: Check fluid level - 170' of fluid, 50% oil. Swab dry. Spot 1,000 gallons of 28% HCL on "L" zone perforations at 3421-3426. Maximum pressure 400#, IR 5 BPM. Swab casing with GSO. Run retrievable bridge plug and set at 3416'. Perforate Kansas City "K" zone at 3402-3410 with 9 holes. Spot 1,000 gallons of 28% HCL on "L" zone perforations. Maximum pressure 600#, IR 9 BPM at 300#. Swab casing with GSO. SD.

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- 1-20-83: Overnite fill-up - 1900' of fluid, 80% oil. Check plug - O.K. Reset plug at 3385'. Perforate Kansas City "J" zone at 3369-3379 with 11 holes. Spot 1,500 gallons of 28% HCL on "J" zone perforations. Maximum pressure 500#, IR 9 BPM at 500#. Start to swab casing - swab line parted and left swab and 450' of line in casing. Ran fishing spear on tubing and caught fish. Started pulling tubing. Swabed 1,000' of oil before line parted again leaving 250' of line and swab in casing. Come out of casing with rest of tubing. SD.
- 1-21-83: Run tubing and fish line and swab. Come out of hole with rest of line and swab. SD.
- 1-22-83: Check plug - O.K. Reset at 3363'. Perforate Kansas City "I" zone at 3357-3360 with 4 holes. Swab casing dry. Spot 1,000 gallons of 28% HCL on "I" zone perforations. Maximum pressure 450#, IR 5 BPM at 450#. Swab casing with FSO. Check plug - O.K. Perforate Kansas City "H" zone at 3344-3346 and 3336-3338 with 6 holes. Swab casing dry. Spot 1,000 gallons of 28% HCL on "H" zone perforations. Maximum pressure 400#, IR 10 BPM at 400#. SD.
- 1-23-83: SD.
- 1-24-83: Swab casing with GSO. Check plug - O.K. with a suspected very slight movement. Reset plug at 3315'. Perforate Lansing "G" at 3292-3300, Lansing "G" zone at 3287-3289 and Lansing "F" zone at 3277-3279 with 13 holes. Swab casing dry. Spot 2,500 gallons of 28% HCL on "G'", "G" and "F" zone perforations with 11 ball sealers. Maximum pressure 1400# decreasing to 500# at 6 BPM. First balls on formation pressure increased to 800# at 7 BPM then decreased to 450#. Second balls on formation pressure increased to 600# at 7 BPM decreasing to 450#. Increased IR to 8 BPM and pressure increased to 800#. Swab casing with FSO. Check plug - O.K. Pull plug and run new plug and set at 3265'. Perforate Lansing "D" zone at 3254-3256 and 3261-3263 with 6 holes. Swab casing dry. Spot 1,000 gallons of 28% HCL on "D" zone perforations. Maximum pressure 500#. IR 10 BPM. SD.
- 1-25-83: Swab casing with GSO. Check plug - O.K. Reset plug at 3246'. Perforate Lansing "C" zone at 3236-3242 with 7 holes. Swab casing dry. Spot 1,000 gallons of 28% HCL on Lansing "C" zone perforations. Maximum pressure 500# at 10 BPM. Swab casing with GSO. Check plug - O.K. Reset plug at 3225'. Perforate Lansing "B" zone at 3215-3220 with 6 holes. Swab casing dry. Spot 1,000 gallons of 28% HCL on "B" zone perforations. Maximum pressure 1400#. IR 8 BPM at 400#. Swab casing. SD.
- 1-26-83: Swab casing with GSO. Check plug - O.K. Reset plug at 3200'. 120' of fill up after plug was set. Pull plug and run new plug and set at 3200'. Perforate Toronto at 3179-3181 and 3189-3191 with 6 holes. Swab casing dry. Spot 1,000 gallons of 28% HCL on Toronto perforations. Maximum pressure 400#, IR 7 BPM. Swab casing. SD.

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- 1-27-83: Swab casing with a fair to poor show of oil. Check plug - O.K. Reset plug at 3165'. Perforate Plattsmouth at 3110-3118 and 3135-3145 with 20 holes. Swab casing dry. Spot 2,000 gallons of 28% HCL with 15 ball sealers. Maximum pressure 500# at 6 BPM decreasing to 350#. First balls on formation pressure increased to 750# at 7 BPM decreasing to 600#. Second balls on formation pressure increased to 700# at 6 BPM. Increase IR to 8 BPM at 600#. Swab casing with VGSO. Check plug - O.K. Reset plug at 3000'. Swab casing dry. Perforate Topeka at 2964-2972 with 9 holes. Spot 1,500 gallons of 28% HCL on Topeka perforations. Maximum pressure 400#. IR 8 BPM at 350#. SD.
- 1-28-83: Swab casing with GSO. Reset plug at 2100'. Pressure casing and shut in. Check annulus for leaks. Squeeze annulus with 375 sx. of pozmix and shut in. Release pressure on casing and pull plug. Prepare to log squeeze job, run rods and tubing, install unit and lead line, and start pumping. Took approximately 90 barrels of oil out of swab tank and put in gun barrel. FINAL REPORT.

Respectfully submitted,



Robert R. Price