

31-15-18W

American Oil Operations
110 East 28th
Hays, Ks. 67601
(913)625-4494

COMPLETION REPORT

LEIKER A #1
NW-NE-SW
Sec. 31-15S-18W
Ellis Co., Ks.

June 4, 1987

Rigged up Welex and ran Acoustic Cement Bond Log. Rigged down and moved out.

June 5, 1987

Rigged up Hays Well Service and swab dry to pit. Shut down for night.

June 6, 1987

Rigged up Welex and perforate Arbuckle 2 holes per foot 3588'-3592'

Ran in hole with swab, no fluid; waited for Service Acid. Acidized with 250 gal. 15% mud acid. Fluid level at 800' from surface, pulled swab. Had 97% water and 3% oil, wait 1/2 hour. Ran in hole with swab. Fluid level at 800' from surface pulled. Had 97% water and 3% oil. Rig down.

Rigged up Welex; ran permanent plug. Set at 3580'. Perforated at 3570'-3572' 2 holes per foot.

Ran in hole with swab recovered 15' of water with a slight show of oil. Perforated at 3558'-3566' 2 holes per foot. Ran in hole with swab recovered 50' water with a slight show of oil.

Rigged up Service Acid, acidized with 250 gal. 15% mud acid.

Rigged up Welex, ran in hole with swab; fill up 1200' from surface. Recovered all water with scum of oil. Shut down for night.

June 7, 1987

Ran in hole with swab. Fluid level 1000' from surface recovered all water with scum of oil.

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Leiker A #1

31-155-184

Rigged up Welex, set permanent at 3512'

Perforated from plug 3452-3456' two holes per foot.

Ran in hole with swab, 120' of gas, and 30' fillup.
Recovered muddy oil.

Waited 15 minutes for fill up.

Ran in hole with swab 200' gas and 50' of fill up.
Recovered muddy oil.

Waited 15 minutes for fill up.

Ran in hole with swab recovered 900' gas with no fluid.
Shut down for night.

June 8, 1987

Rigged up, checked fill up. Had gas to surface. 600' fluid
90% oil and 10% mud.

Waited 15 minutes. Ran in hole with swab recovered 600' gas and
150' oil.

Rigged up Service Acid and treated with 300 gal. of 15% mud
acid swab load back..

Ran in hole with swab in 30 minutes recovered 1500' of gas and
500' oil.

Rig down on Leiker A #1. Then moved to Leiker #1 pulled the
rods and tubing from the Leiker #1 and other equipment.
Rigged down. Rigged back up on Leiker A #1. Ran rods and
tubing. Well pumping on June 8, 1987 at 9:30 p.m.

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OUTSTANDING
Wichita, Kansas

31-15-18W

HAYS WELL SERVICE
505 East 20th
Hays, K S 67601

Leiker # A-1

July 7 1987

Moved to location, to windy to rig up.

July 8 1987

Rigged up. Pulled Well. Swabbed Well down 160' in hole. Put down 200 G 15% A to clean up Well. Swabbed till it cleaned up, shut down @ 3:00 PM.

July 9 1987

Perforated 3434-3436 8 shots. Treated with 200 G Mud A. Swabbed hole down 1st pull off bottom, had show of Oil. Made 20 Mi. pulls, #2 pull 180' 10% Oil #3 pull 180' 20% Oil #4 pull 27% Oil. Perforated 3342-3344 8 shots, Treated with 200 G Mud A. Waited $\frac{1}{2}$ hr. Fluid down 80 ft. Swabbed down, and made $\frac{1}{2}$ hr pulls #1 pull off bottom 320 ft. #2 pull 260 ft. SS0 #3 pull 220 ft. SS0 #4 pull 190 ft. SS0 #5 pull 160 ft. About had treatment load back. Shut down to check overnite fill up.

July 10 1987

Overnite fill up 450 ft. Perforated 3299 1 Shot 3290 1 Shot 3277 $\frac{1}{2}$ 1 Shot. Treated 750 G Mud A Limited Entry. Swabbed hole down #1 pull off bottom S0 #2 pull 450 ft. 10% Oil #3 pull 375 ft. 20% Oil #4 pull 350 ft 30% Oil. Reshot 3299-3300 3 shots 3289-3291 4 shots 3277-3278 2 shots. Retreat 2000 G 15% A Swabbed hole down, came arround on 25% Oil. Lack 23 bbl from having load back. Shut down for the week end.

July 12 1987

Check with swab. 800 ft. Fluid in hole, 300 ft Oil on top POP

It appears from swab test, the Well should produce from 15 to 20 barrels of oil per day.

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CONSERVATION
WELL