

WELL NAME: LEWIS #
 LOCATION: SW NW Sec. 32, T.16S., R.25W.,
 Ness County, Kansas

ELEVATION: 2563 DF, 2561 CR

TOTAL DEPTH:

SPUD DATE: October 6, 1962

COMPLETION DATE:

PAY:

IP:

DAILY REPORTS:

10/5/62 Staking location, digging pits and moving in today. Will probably break tour today.

10/6/62 Location staked and leveled. Moving in Hellar Rotary tools. Will spud today.

10/7/62 Spudded @ 2 p.m. 10/6/62. Drilled 12-1/4" hole to 282'. Deviation @ 282'-00. Ran 8 joints (283.80') 3-5/8" OD 24# J-55 casing, condition 1 and set @ 281' with 225 sacks cement. Plug down @ 10:10 P.M. Cement circulated. Drilled plug @ 5:00 A.M. Drilling 7-7/8" hole @ 515' this A.M. drilling shale.

10/8/62 Drilling @ 1,803', shale. Drilled 1,293' in 24 hours. Deviation @ 1137' - 1/4°. Down 8 hours for rig repairs. No report on mud.

10/9/62 Drilling @ 2,501', shale and shells. Drilled 693' in 24 hrs. Bit # 3 in the hole. Deviation @ 2,100'-1/4°. Drilling with native mud and water.

10/10/62 Drilling @ 2,907', lime and shale. Bit #5 in the hole. Drilled 406' in 24 hours. Drilling with native mud. No report on mud cost.

10/11/62 Drilling @ 3,263', lime. Drilled 358' in 24 hrs. Bit #6 in the hole. Deviation @ 3,100'-1/4°. Mud viscosity 38, wt. 10.4#.

10/12/62 Drilling @ 3,590', lime and shale. Drilled 327' in 24 hrs. Bit #7 in the hole. G. L. elevation 2,560'. D.F. - 2,563'.

10/13/62 Drilling @ 3,924', lime. Drilled 324' in 24 hrs. Deviation @ 3,924' - 1-1/2°. Bit # 9 in the hole.

10/14/62 Drilling @ 4,137', lime. Drilled 213' in 24 hrs. Bit #10 in the hole. Deviation @ 4,137'-1/4°. Mud viscosity 37, wt. 10.2#.

10/15/62 Drilling @ 4,314', lime. Drilled 277' in 24 hrs. Bit #10 in the hole. Mud viscosity 38, wt. 10.1#, W.L. 18 cc Circulating @ 4,504' for samples. Looking for top Mississippi. Tentative top - Ft. Scott - 4,393'. This is 1' low to Lewis #1. Drilled 186' in 24 hrs. Mud viscosity 48, wt. 10.3#, W.L. 10.2cc.

10/16/62 Drilling depth 4,516', lime. DST # 1 - 4,496'-4,511'. Open 1 hr., rec. 90' mud cut oil and 60' slightly oil cut mud. IBHP - 1192# (30 min) FBHP - 1,139# (30 min) IFP - 0#, FFP - 63#. DST # 2 - 4,507'-4,516'. Open 1 hr rec. 50' clean oil, 80' muddy oil and 30' slightly oil cut mud. IBHP 1,171# (30") FBHP 1,148# (30") IFP 0#, FFP 67#. No report on mud.

10/18/62 Drilled to 4,526'. DST # 3 - 4518-26'. Open 1 hr., fair flow thru out. Rec. 100' muddy water. IBHP 1205# (30 min) FBHP - 989# (30 min). IFR - 40#, FFP 65#. Drilled to R.T.D. 4,561'. Ran Sonic Log and Laterolog 4,160'-3,400'. Log tops - Heclaer - 3,800', Toronto - 3,852', Lansing - 3,874', Ft Scott - 4,392', Mississippi Lime 4,504' and Warsaw 4,506'. Prep. to run casing.

10/19/62 R.T.D. 4,561'. Ran 142 joints (4,561.4') 1-1/2" OD 9.5# J-55 w/S T & C casing with guide shoe and full-up insert set @ 4,560' with 125 sack salt saturated common cement. Plug down @ 8:45 this A.M. S.J. measured overall 30.28'. Centralizers @ 4,556', 4,526', 4,494', 4,429', 4,397' and 4,364'. Rig released at 9 A.M. Will run temperature survey. W.O.C.T.

10/20/62 Ran temp. survey to 4,556'. Top of cement @ 4,000'. W.O.C.T.

10/21/62 W.O.C.T.

10/22/62 Cable tools moving in today.

10/24/62 Ran 2-3/8" tubing with RTTS packer. Set packer @ 4572'. Squeezed perforation @ 4,497-19' with 150 sacks Poz. at 4,300#. Displaced 125 sacks, job completed at 4:30 P.M. W.O.C. 3 hrs. Reset packer, perforated 4,508-10' with 3 shots per foot thru tubing with tubing gun, swabbed down and tested 4 hrs. Fluid depleted from 4 bbls. muddy water with some oil to no fluid after 4 hours. Prep. to treat with 250 gal. 15% acid.

10/25/62 Treated perforations 4508-10' with 250 g. 15% Ac. RTTS packer @ 4,496'; broke down at 2,400# and treated at 900# at rate of 1/2 b.p.m., on vacuum 12 minutes after treatment. Swabbed and tested 12 hrs., produced 29.54 b.o. and 18.84 b.w. Testing.

10/26/62 Pulled tubing with packer. Swabbed casing down and tested 12 hours pulling; swab 1 pull per hr; the first 3 hrs. produced 22.70 b.o. and 4.86 b.w.; the last 4 hrs. produced 7.60 b.o. and 2.50 b.w. Prep. to perforate 4,496' - 4,503' and treat.

10/27/62 Perf. 4,494'-4,503' with 2 hole per foot with strip gun. Ran 2-3/8" tubing with RTTS packer and set @ 4,486'. Treated perfs. 4,496'-4,510' with 500 gal. 15% acid and 37 ball sealers as follows: Pumped 2 b.o. with 9 ball sealers, 400 gal. Acid with 22 ball sealers, 100 gal. Acid and flushed. Initial pressure 2,500#, broke to 2,000#-1700#. Instant pressure 300#, on vacuum after 3 minutes. Pump rate 4.6 b.p.m. Swabbed tubing to bottom and lost swab in the hole. Prep. to pull tubing with packer and swab casing to test.

10/28/62 Pulled 2 3/8" tubing with RTTS packer. Swabbed and test 4 hrs. thru casing, produced 3.85 b.o. and 5.02 b.w. Swabbed 3 hrs, produced 14.96 b.o. and 12.24 b.w. Swabbed 3 hrs, produced 5.31 b.o. and 4.01 b.w. Total 15 hrs. 28.51 b.o. and 22.62 b.w. Testing.

10/29/62 Swabbed 6 hrs. thru casing, produced 11.12 b.o. and 5.99 b.w. These figures are probably inaccurate because they were determined by shake outs at well head. Treated thru casing w/2,000 gal. 15% Acid (Perfs 4,476'-4,510') as follows: Pumped 700 gal acid, 12 ball sealers, 700 gal. Acid, 12 ball sealers, 600 gal. Acid and flushed. Treating pressure 1000#-950#. Instant pressure 350#; on vac. 4 min. Swabbed casing down and tested 6 hrs, rec. 10.63 b.o. and 65.10 b.w. Drilling line straddled. Dow for repairs.

10/30/62 Spliced line and started swabbing @ 12 noon. Swabbed 4 hrs. thru casing; rec. 10.48 b.o. and 29.52 b.s.w. Swabbed 8 hours, produced 12.19 b.o. and 77.79 b.w. Swabbed 4 hours, produced 3.41 b.o. and 35.34 b.w. Swabbed total of 16 hrs. and produced 26.55 b.o. with 142.65 b.w. Testing.

10/31/62 Ran 2-3/8" tubing with RTTS packer and set at 4,478'. Squeezed perforations 4,496'-4,510' with 150 sacks Pozmix at 4,600# pressure. Displaced 125 sacks. Job completed at 6 P.M. Started drilling cement @ 6 A.M. Drilling @ 4,484'. Will clean out to 4,504'; reperforate 4,497'-4,504'.

11/1/62 Drilled cement to 4,501' and lost tools in the hole. Recovered fish. Drilled and cleaned out to 4,504 1/2'. Perforated 4,497'-4,504' with 3 jet shots per foot. Ran 2-3/8" tubing with RTSS packer and set @ 4,486'. Treated with 250 gal. 15% acid. Pressured to 600# broke to 450# (6 min.), 1,000#-450# (12 min.) 1,000#-700# (3 min) and 1,000#-800# (3 min.) Increased pressure to 1,500#. Broke and treated at 1400#. Pump rate 17 gal. per min. Instant pressure 1200#; after 30 min. 500#. Swabbed tubing down and tested 1 hour. Rec. 5 gal. weak Acid water, no shows. Testing.

11/2/62 Treated perforation 4,497'-4,504' with 500 gal. 15% Acid. Treating pressure 2,100-2,000#. Instant pressure 500#; on vacuum after 4 minutes. Pump rate 6 bpm. Swabbed tbg. down and tested 3 hours, recovered .35 b.o. and 12.49 b.a.w. Swabbed 12 hours, recovered 2.47 b.o. and 37.50 b.w. Testing.

11/3/62 Tested perforation 4,497'-4,504' 7 hrs; swabbing thru tbg. Recovered 2.84 b.o. and 25.07 b.w. Treated with 1,500 gal. 15% acid and 26 ball sealers as follows: pumped 300 gal. Acid, 780 gal. Acid with 26 ball sealers, 420 gal. acid and flushed. Treating pressure 1925#-1775#. Instant pressure 400#; on vacuum after 7 minutes. Pump rate 5 b.p.m. Swabbed tbg. down and tested 8 hrs; rec. 7.60 b.o. and 54.70 b.w. The last hour swabbed 7.54 b.f. Testing.

11/4/62 Swabbed and tested perforations 4,497'-4,504' 8 hours thru tubing; produced 7.09 b.o. and 45.37 b.w. Pulled tubing with RTTS packer. Set C.I. plug top @ 4,450'. Perf. 4,408'-18' and 4,393'-4,404' with 3 jet shots per foot. Swabbed casing to bottom and tested 3-3/4 hours. The first hour recovered 14 b.f.; the second hour recovered 11.60 b.f.; the last 1 3/4 hours rec. 4.46 b.o. and 14 b.w. Testing.

11/5/62 Swabbed 6 hours thru casing, recovered 12.04 b.o. and 55.42 b.w. Tested 8 hours, produced 9.56 b.o. and 51.02 b.w. Tested 6 hours, produced 5.65 b.o. and 31.07 b.w. The last hour of test swabbed 5.18 b.f. Testing.

11/6/62 Ran 2-3/8" tubing with RTTS packer. Set packer belpw perforations 4,408-18'. Swabbed tubing down to test bridge plug @ 4,450'. Plug leaked. Pulled tubing with RTTS packer. Drilled and drove plug to 4,504'. Set C.I. bridge plug top @ 4,450'. Swabbed casing down and bailed dry. Plug held .K., no fluid or shows. Prep. to treat with 500 gal. acid.

11/7/62 Tested perforations 4,408-18' and 4,393-4,404' four hours, swabbing thru casing, no fluid or gas. Treated thru casing with 500 gal. 15% acid and flushed with water. Treating pressure 600#-500#. Instant pressure 200#; after 15 minutes 100#. Pump rate 6 bpm. Swabbed casing down and tested two hrs. First hour recovered .87 b.a.w.;

second hour was dry; acid partially spent. Treated with 2,000 gal. 11% acid and 75 ball sealers as follows: Pumped 20 gal. acid. 140 gal. acid with 75 ball sealers, 10 gal. acid and flushed with water. Treating pressure 100-110 psi; pump rate 5 b.p.m.; fastest pressure 100 psi; over 5 min. 20% acid. Stripped casing down and treated 100 gal. 11% acid water with 100 gal. oil, no gas. Acid partially spent. Treating pressure 100 psi. D & A. Cable tools tore down. Closed well in. Will not pull casing and plug at present. Will discontinue reports.

11/8/62