ILUS INDUSTRIES, IN
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COMPLETION REPORT

Hokr #1
S/2 SW/4
Sec. 5, T16S, R8W
Ellsworth County, Kansas

Tuesday, July 22, 1980:

9:00 a.m. Moved in Woods Well Service double drum and set up. Mike Gomez, driller. Swab down to 1500'. Install orbit valve.

10:00 a.m. Electra on location. Ran Gamma Ray and collar locater log. Attempt to run sonic cement bond log. Tool malfunction. Unable to run. Perforate 10 shots DP jets. Two shots per foot 2334-44 Deer Creek Lime in Topeka. Perforation complete and Electra off location at 2:00 p.m.

2:30 p.m. Swabbed down to 2450 feet. Very small show of gas. Halliburton on location. Tie onto casing and acidized 750 gal. 15% MCA with 3 gal. suds. Formation began treating at 450#. Increase injection rate to 3 BPA per minute with 1 bbl. overflush. Shut down pumps. Well flow 2 bbls. of fluid back into truck. Shut orbit valve and knock off Halliburton. Rig flow line to pits and open orbit. Well flows back on 2 bbls. fluid and then goes on vacuum. Begin to swab well down. Well kicks off and flows back load. Dies to about 250 MCF/day. Very dry gas and no color.

6:30 p.m. Shut well in for night.

Wednesday, July 23, 1980:

8:00 a.m. Put guage on orbit valve. Thirteen hour shut-in pressure 890#. Took gas sample for laboratory analysis and ignited gas from cylinder. Flame orange at top. Blow well down into pits. Ten minutes to blow down. Flowing gas and spurts of treating fluid.

10:00 a.m. Electra on location to perforate Douglas Sand. Reached a decision to treat zone we now have open and leave Douglas Sand behind pipe for later production. Released Electra.

10:30 a.m. Halliburton tester on location. Test well with 1/4" orifice. Guage 500 MCF per day.

11:00 a.m. Halliburton pump truck and acid trailer on location.

12:00 p.m. Begin acidizing down casing with 1000 gal. 15% regular acid and 3000 gal. 28% acid with suds HB-2. No tubing in hole. Well treated at 300#.

1:00 p.m. Acid and 10 bbl. overflush in formation. Shut down pump. Show 250# pressure at truck. Open valve and flow back 4 bbl. fluid into truck. Shut well in and go into town for lunch.

2:00 p.m. Lay steel flow line to pits. Knock off Halliburton and open well. Well unloads. Very wild. Halliburton valve still on.

3:00 p.m. Too wild to try to kill. Flowing 4 to 5 million cubic feet gas with mist of treating water. Release Halliburton.

4:00 p.m. Gas flow decreases. Sudsy water and mist. Flowing 1 to 2 million cubic feet gas.

5:30 p.m. Still flowing sudsy water and mist. 1 to 2 million cubic feet. Called Halliburton and set up to kill well at 8:00 so that we can run tubing.

9:30 p.m. Blow well down after 11 minutes. Still flowing sudsy water and mist. 1 to 2 million cubic feet. Leave flowing into pits to 10:00. Fluid flowing up and down hole. Appears to be treating fluid.

11:00 p.m. Fluid decreasing. Shut in for night.

Thursday, July 24, 1980:

7:30 a.m. Blow well down. 2" flow line freezing up. 15 minutes to show of mist.

8:00 a.m. Halliburton on location well flowing 2 million cubic feet plus treating fluid.

8:14 a.m. Well opened 44 minutes. Still 2 million cubic feet plus. Gas and mist with occasional slugs of treating water into pits Load Halliburton truck with salt water. Five to ten mile per hour wind from southeast.

8:25 a.m. Tie Halliburton into well and kill with 60 bbls. salt water. Pressure did not exceed 100#. Well on vacuum.

8:45 a.m. Knock off Halliburton. Prepare to run tubing. Bottom of string six feet closed end anchor with 8 holes top 2½'. 1.10' seating nipple.

9:00 a.m. Twenty nine joints of tubing in hole. Well unloads fluid through tube and casing. Blowing wild. Put stripper rubber on joint of tubing and tubing disc. Run joint with stripper rubber. Well unloads from well head. All hands very wet.

9:41 a.m. Pump in 30 more barrels salt water. Well killed. Complete running tubing. Seventy four joints in - 2325.43 feet of tubing plus an 8' sub (forgot to tally joint with stripper rubber 31.63 ft.)

11:13 a.m. Land tubing. Make up tubing head. Send Halliburton home.

11:42 a.m. Run swab stem down tube to break disc.

11:43 a.m. Well unloading through side valves and tubing.

11:45 a.m. Close orbit on tubing. Flowing gas and water up anulus.

12:45 p.m. Well still making gas and fluid. Close anulus to build up pressure.

1:30 p.m. 350# on anulus.

2:00 p.m. 500# on anulus. Drop 2 soap sticks down tubing.

2:21 p.m. 540# on anulus. Go to town to call Electra to perforate tubing as string is set 31.63 feet too deep.

3:20 p.m. Well kicked off and flowed up tubing.

5:00 p.m. Still flowing gas and acid water with 210# on anulus. Sent Electra home. Too wild to perforate tubing.

5:30 p.m. 210# on anulus. Fluid starting to dry up. 2 to 3 million cubic feet of gas.

9:00 p.m. 150# on anulus. Small trickle of treating water. Shut well in for night.

Friday, July 25, 1980:

7:00 a.m. 700# on anulus. Blow down.

7:15 a.m. 500# on anulus.

7:30 a.m. 250#. No water. Shut in.

8:00 a.m. 450# on anulus.

8:30 a.m. 500# on anulus.

9:00 a.m. 550# on anulus

10:00 a.m. 600# on anulus.

11:00 a.m. 650# on anulus. Release cable tools.

Monday, July 28, 1980:

7:00 a.m. Seventy-Two hour shut in pressure 850#. Blow well down to 650#. No water.

Lab analysis on gas shows BTU of 880. Severy Sand and Douglas Sand to be perforated in future when this zone has been depleted.

John I. Willhauck, Jr.

JIWJr:nm
8-4-80