

Computer Inventoried

OXY USA, INC.
 Hegberg "A" No. 199
 1780' FSL, 1745' FEL
 Sec. 28-T25S-R5E
 Butler Co., Kansas
 El Dorado Field
 API# 15-015-23414

Open Hole Completion

Contractor: J.W. Gibson Well Service
 Elevations: K.B. 1376', G.L. 1371'
 Production Casing: 5½" at 2450' with 375 sacks cement.
 Total Depth: 2456' -1080
 Top Simpson: 2450' -1074
 Penetration: 6 feet.

September 2, 1994. Drilled cement and shoe. Bottom two feet filled with mud and cuttings. Circulated hole clean. Circulated up fine to medium grains of loose quartz, well rounded sand with fluorescence. Pulled tubing to casing swab. Swabbed fluid down to 2430'. Took 30 minute test. Had 5' kick back, scum oil, balance drilling fluid.
 Went back in hole with tubing and bit to drill.

2456-2457' 50 seconds.

Sand, loose, fine to medium grained, well rounded quartz with fluorescence. Trace pyrite nodules with sand inclusions and adhering sand.

Pulled tubing and bit to casing swab..
 Swabbed fluid down to 2430'. Took 30 minute test. Had 35' kickback, all drilling fluid.
 2nd. 30 minute test had 35' kick back, slight scum of oil on drilling fluid, very slightly salty. S.D. at 4:45 PM for 3 day week end fill-up.

Tuesday, Sept. 6, 1994. 1000' fill up (830' water, 170' oil).
 30 min. test-30' kick back, 10% oil, balance drilling fluid and saltwater.
 2nd. 30 minute test, same result.
 30' fluid=.825 bbls.X2=1.65 bbl. fluid/hour.
 10% of 1.65=.165 bbl. oil/hr. X24=3.96 BOPD.
 Six one hour test each had 50' kick back,
 15% oil. 50'=1.19 bbls.X24=28.56 bbls. fluid per day X .15=4.3 B.O., 24 B.W.P.D.

September 7, 1994. Overnight fill up 500' oil (18%), balance saltwater. Went in hole with tubing and bit to drill.

2457-2458' 2 min., 10 sec.

Sand, white, fine to medium grained, well rounded quartz, few clusters (more toward bottom), good porosity, stain and fluorescence, fair show free oil. Abundant small nodules of

pyrite with sand adhering to surface and included within the nodules.

Stopped at 2458'. Pulled tubing and bit to casing swab. Swabbed fluid down to 2430. Took 30 minute test. Had 30' kick back, 30' saltwater with scum of oil. Took one hour test. Had 50' kick back, saltwater with scum of oil, Took 2 hour test. Had 95' kick back, 7% oil. Shut down at 3:45 PM for overnight fill up.

September 8, 1994. 530' overnight fill up. 80' oil (15%), balance saltwater. Ran in hole with tubing and bit to drill.

2458-2459' 1 min., 40 sec.

Top Sandstone, tan, medium grained, well rounded, friable, abundant clusters, good porosity, well stained, 100% fluorescence. Trace green sandy shale.

Mid Sand, loose, fine to medium grained, fluorescence; 2% Shale, light green.

Bot Sandstone, light green, shaley, fine grained, 80% unstained.


Circulated black iron sulfide water after stopping at 2459'. Pulled tubing and bit to swab test in casing. Swabbed fluid down to 2430'. Took 30 minute test. Had 50' kick back, saltwater with scum of oil. 2nd. 30 minute test had 45' kick back, scum oil, balance saltwater. One hour test had 60' kick back, trace oil, balance saltwater. Two 30-minute tests each had 30' kick back, trace oil. One hour test had 60' kick back, trace oil, balance water. Shut down at 4:30 PM for overnight fill up.

September 9, 1994. 500' fill up overnight, 55' oil (11%), balance saltwater. Ran tubing and rods to put on pump.

September 12, 1994. Pumped 8 B.O., 23 B.W., 24 hrs.

September 14, 1994. Pumped 5 B.O., 23 B.W., 24 hrs. (18% oil).

Geologist


Herbert R. Johnson