

OXY USA Inc.
Blair F #1
Sec 29-30S-33W
Haskell County Kansas

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Drill Stem Test Taken

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DST #1
3690-3850

FROM CONFIDENTIAL

Circ for samples for 30 min. Made 15 stand short trip to 2410'. C&C hole for 1 hr. RIH w/ test tools & 160' of anchor. Set btm pkr @ 3690'. Open tool for 15 min preflow. Had blow from bottom of bucket instantly. SI for 30 min. Recovered 1315' of fluid in drill pipe. 390' mud & 925' wtr. IHP 1724 psi. Recovered 4000ml wtr in sample chamber. Resistivity .135 Ohms @ 72F. Chlorides 72,000.

DST #2
4184-4202

Circ & cond hole for 1 1/2hrs. Set pkr & opened tool for 30 min preflow with very weak blow that increased to 3 1/2" after 30 min. Shut in for 60 min initial shut in. Opened tool for 60 min final flow with surface blow that increased to 2 1/2" in 60 min. Shut in for 120 min final shut in. Recovered 40' mud cut wtr w/ specks of oil & 175 of salt wtr. RW of salt wtr was .11 @ 75F. CL 61000 ppm. Total fluid recovered 215' IHP 2063 psig. IFP 39 psig. 1st FFP 77 psig. ISIP 748 psig. 1st FFP 88 psig. 2nd FFP 147 psig. FSIP 784 psig. Sample chamber volume 3150 cc. Recovered 2800 total cc. Trace oil, 2000 cc wtr & 800 cc mud. RW of sample chamber .11 @ 75F.

DST #3
4590-4615

Circ for samples 30 min. Ran 6 stand short trip to 4116'. Circ hole for 1 1/2 hrs. Pu test tools & RIH w/straddle test tools. Set bottom pkr @ 4615'. Set top pkr @ 4590'. Opened tool for 30min preflow. Blew from bottom of bucket in 7 min. SI for 60min initial SI. Opened tool for 60min final flow. Blew from bottom of bucket in 13min. SI for 120min final SI. Released pkr & POOH w/ DST #3. Recovered 115' gas, 65' slightly gas cut muddy wtr, 1085 gassy salt water. IHP 2228 psig. 1st IFP 100 psig. 2nd FFP 628 psig. FSIP 1232 psig. FHP 2190 psig. Recovered 3000cc salt water & 3.03 cu ft gas in sample chamber. Resistivity of salt water .075 OHMS @ 59F.

DST #4
4823-4798

Circ for smpls 1 1/2hr. Short tripped 10 stands. C & C hole for 2hrs. POOH for test tools. RIH & set pkr @4798'. Opened tool for 30 min preflow. Blew from bottom of bucket in 2 min. SI for 60 min initial SI. Opened tool for 60min final flow. Had strong blow from bottom of bucket upon opening. SI well for 120 final SI. Could not pull pie loose @ end of final SI. Rec 45' water and mud cut, gassy oil. 23% oil, 47% gas 14% wtr, 16% mud. 45' heavy wtr cut gassy oil. 18% oil, 37% gas 45% wtr. IHP 2354 psig. IFP 56 to 77 psig. ISIP 1156 psig. FFP 77 to 98 psig. FSIP 1403 psig. FJP 2301 psig. Sampler 832.5 cc oil 540 cc water 877.5 cc mud 9.99 cu ft gas. Water 66,000 ppm chlorides, res 0.12 @ 64 deg. BHT 126 deg. F.

DST #5
5248-5298

Opened tool for 30min initial flow period w/a 1/2" blow in bucket that decreased to surface blow in 30 min. SI for 60 min initial SI. Opened tool for 60 min. Final flow. Did not have any blow. Cut final flow to 30 min. & final SI to 60 min. Recovered 40' of drilling mud in pipe. ISIP 2539 psig. 1st initial SIP 57 psig. 1st FFP 79 psig. ISIP 103. 2nd IFP 52 psig. 2nd FFP 60 psig. FSIP 69 psig. FHP 2331.