

Cities Service Oil Company

Government-Corralitos A No. 1

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AUG - 3 1971  
U. S. GEOLOGICAL SURVEY  
ARTESIA, NEW MEXICO

- DST No. 1: 2975-3002 (27') Penn. No water blanket, 3/4" bottom choke, 1" top choke. Opened tool for 15 min preflow. Air to surface immediately. Good blow for 10 min and died. Recovered 1000' drilling mud and 1070' water cut drilling mud. Test chamber contained 1250 cc water that tests 600 PPM chlorides. Mud pit tests 1000 PPM chlorides. 1 1/2 hour ISIP 961 psi, IFP 961 psi, FFP 972 psi, 1 1/2 hour FSIP 962 psi, MCP in & out 949 psi, BHT 88° F.
- DST No. 2: 3550-3680 (130') Fusselman. No water cushion, 5/8" bottom choke, 1/2" top choke, packer set in 7" liner at 3530. Opened tool with good blow for 15 minute preflow. No surface pressure. Shut in for 1 1/2 hr. ISIP at 5:35 A.M. 7-10-71. After 15 min preflow, shut well in for 1 1/2 hour ISIP. Reopened tool for 1 1/2 hour test period on 1/2" choke. Had fair blow throughout test. No surface pressure. Closed tool for 1 1/2 hour FSIP. Pulled test tool. Recovered 1060' (7.84 barrels) drilling mud and 240' (1.77 bbls) of drilling fluid cut with fresh water. Test chamber contained 2000 cc of water pressured to 100 psi. Water titrated 300 PPM chlorides. 1 1/2 hour ISIP 1264 psi, I.F. 592 psi, F.F. 592 psi, 1 1/2 hour FSIP 1267 psi, MCP in & out 1563 psi, BHT 98° F.
- DST No. 3: 3680-3830 (150') Fusselman. No water cushion, 5/8" bottom choke, 1/4" top choke. (Zone 3680-3710 had some porosity, few small vugs, no gas in mud logger). Tool opened for 15 min preflow at 5:30 A.M. 7-12-71. Fair blow, no surface pressure. Closed in at 5:45 A.M. for 1 1/2 Hr. ISIP. After 15 min preflow, shut well in 1 1/2 hours for ISIP. Reopened tool for 1 1/2 hour test period on 1/4" choke. Had fair blow decreasing to weak blow throughout test. No surface pressure. Closed tool for 1 1/2 Hour FSIP. Recovered 2040' (15.00 bbls) water cut drilling mud, 1040' of light mud cut water (7.69 bbls), and 90' of drilling mud below circ. sub (0.66 bbls). The water titrates 300 PPM chlorides. The mud in the pit titrates 400 PPM chlorides. Bottom hole pressure chart shows tool did not close for either ISIP or FSIP recordings. The tool was open the entire 4 1/2 hour period. The test chamber contained 2250 cc of drilling mud that titrates 400 PPM chlorides. I.F. 68 psi, F.F. 1236 psi, MCP in & out 1603 psi, BHT 102° F.
- DST No. 4: 4445--4600 (155') Ellenberger. Testing porosity brakes. No stain in samples and no gas on mud logger. No water cushion, 3/4" bottom choke, 1/2" top choke. Tool opened for 20 min preflow at 3:45 A.M. 7-19-71. Weak blow increasing to fair blow. No surface pressure. Closed tool for 90 min ISIP. Reopened for 90 min flow period. Weak blow increasing to fair blow with 1 psi in 30 minutes.

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TYPE - 101  
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UNITED STATES AIR FORCE

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