

DRILL STEM TESTS

OPERATOR:	Union Oil Company of California	LOCATION: Unit Letter F, 2310' from the North line and 2310' from the West line of Section 12, Township 17 South, Range 36 East, Lea County, New Mexico.
LEASE:	Midway State	
WELL NO.:	1	
FIELD AND POOL:	Wildcat	

- D.S.T. No. 1, Wolfcamp, 9,355' to 9,483', opened tool for 15 minute initial pre-flow with fair blow in bucket, increasing to strong blow in one minute and continuing throughout flow period. S.I. 30 minutes. Opened for one hour flow period with strong blow in bucket, weak blow through 3/4" ck. to pit, decreasing to fair blow in bucket in 30 minutes and continuing for 30 minutes with no gas or fluid to surface. S.I. 120 minutes. Pulled tool, recovered 2577' sulphur water with trace of oil on first stand of water. Bottom hole sampler had 2060 cc sulphur water, 1.5 cu. ft. gas. IHP 4269#; IPF 552#; ISIP 2915#; IFP 552#; FFP 1318#; FSIP 2915#; FHP 4269#; B.H.T. 149 Deg.
- D.S.T. No. 2, Devonian, 11,335' to 11,444', 1860' water blanket, opened tool for 15 minute initial pre-flow with strong blow, continuing for 15 minutes. S.I. 30 minutes. Opened for 2 hour flow period with strong blow, decreasing to fair blow and continuing throughout flow period. Gas to surface in 85 minutes, T.S.T.M., and no fluid to surface. S.I. 2-1/2 hours. Reversed out 99 barrels oil and 24-1/2 barrels water blanket. Pulled tool, recovered 180' heavily gas and oil cut drilling mud below circulating sub. Sample chamber contained 1.24 cu. ft. gas, 2090 cc oil, no water, 400#. Gravity of oil 50 deg. at 74 deg. IHP 5380#, IPF 1157#; FFP 1566#; ISIP 4391#; IFP 1566#; FFP 3508#; FSIP 4391#; FHP 5380#; B.H.T. 183 deg.
- D.S.T. No. 3, Devonian, 11,499' to 11,541', 1850' water blanket, opened tool for 15 minute initial pre-flow with weak to fair blow in bucket and continuing throughout flow period. S.I. one hour. Opened for 2 hour flow period with fair blow, increasing to strong blow in bucket and continuing throughout flow period. Gas to surface in 90 minutes, no fluid to surface. S.I. 3 hours. Reversed out 45 barrels oil, gravity 47 deg. at 66 deg., 25 barrels water blanket, no salt water. Pulled tool, recovered 180' oil and gas cut drilling mud below circulating sub. Sample chamber, 1000 cc of oil, gas T.S.T.M. IHP 5334#; IFP 869#; FFP 2122#; FHP 5334#; B.H.T. 183 deg.
- D.S.T. No. 4, Devonian, 11,544' to 11,645', 1900' water blanket, opened tool for two hours with weak blow, increasing to fair blow for one hour 10 minutes, decreased to weak blow and continued for remainder of test. S.I. one hour. Reversed out 23-1/2 barrels water blanket and 7 barrels oil, gravity 44 deg. at 44 deg. Pulled tool, recovered 100' oil cut drilling mud below circulating sub. Sample chamber, 2400 cc oil at 25# and 0.5 cu. ft. gas. IHP 5470#; IFP 972#; FFP 1202#; FSIP 3548#; FHP 5447#; B.H.T. 180 deg.
- D.S.T. No. 5, Devonian, 11,640' to 11,671', 1950' water blanket, opened tool for 15 minute initial pre-flow with very weak blow. S.I. one hour. Tool open for 2 hours with no blow. S.I. 4 hours. Pulled tool, recovered no oil, 218' of water, 30' slightly gas cut drilling mud, 1950' water blanket. Sample chamber at 100#, 1740 cc of water, no oil or gas. IHP 5516#, IPF 904#; FFP 928#, ISIP 4190#, IFP 952#; FFP 1000#; FSIP 4351#; FHP 5539#.