

Schlumberger In-House DST Interpretation Prepared For

COBRA OIL & GAS CORPORATION

Unit F 3-10s-36e 2310/W 4 1650/W 30-025-33721

WELL: STATE 3 #1
 FIELD: WILDCAT
 COUNTY: LEA, NM
 TEST NUMBER: ONE
 TEST DATE: 22-JAN-1997

FORMATION: DEVONIAN
 TEST TYPE: CONVENTIONAL
 TEST INTERVAL: 12,292 - 12,324
 SWS S.O. NUMBER: 150960
 REPORT PREPARED BY: HARVIN L. BROUGHTON

SUMMARY OF RESULTS

K = 897	md	BHT = 190	degf
SKIN = 1660		INITIAL HYDROSTATIC	6239
RADIUS OF INV = 1480	ft	IFP (15 min)	679 - 724
Pi = 4522	psia	ISI (45min)	4519
THICKNESS (h) = 11	ft	FFP (180 min)	730 - 848
RESERVOIR Homogeneous		FSI (540 min)	4522
BOUNDARY Infinite		FINAL HYDROSTATIC	6217
WELL Storage & Skin		CUSHION	1535' WATER

SAMPLE CHAMBER, PRESSURE = 150 GOR = 51 GLR = 32

VOLUME	FLUID TYPE	PROPERTIES
0.5 cu ft	GAS	
1550 cc	OIL	41.6 API@60degf
900 cc	WATER	.148@60, 55,000 ppm

PIPE RECOVERY

VOLUME	FLUID TYPE	PROPERTIES
9014 ft	GAS	
438 ft	OIL	41.6 API@60degf
1535 ft	WATER CUSHION	.92@60, 7500 ppm
90 ft	WATER	.148@60, 55,000 ppm

COMMENTS: DST #1 of the Devonian Formation produced fluid into the drillstring at a rate of 49.1 BLPD. The data best fit the model of a well in an infinite reservoir with good permeability and extremely high Skin at the time and conditions of the test. The recovered water is being taken to a laboratory for a detailed analysis to determine it's origin.