

State 24-26 0 1
Devonian

Test Interval = 1249 ft
Pressure Gauge depth = 12694 ft
Oil Gravity = 40 degrees API
Specific Gravity = 0.911
Oil Column Pressure = 4453 psi
Reservoir Pressure = 4750 psi
Avail. Reservoir Energy = 305 bbl
Capacity of Drilling = 0.014 bbl/ft
Water Cushion = 1560 ft
Length of empty drillpipe = 1158 ft
Volume of empty drillpipe = 157 bbl

Test Interval = 1249 ft
Initial hydrostatic = 36435 psi
Final hydrostatic = 36435 psi
IFF (15 min) = 3704-354 psi
ISIP (15 min) = 4825 psi
IFF restricted (200 min) = 4411-474 psi
IFF unrestricted (120 min) = 4694 psi (est)
= Tool did not close

Estimated production based
on FI = 7.880/psi

Flow Type	Flow Time	Aver Flow Rate psi	Calc Rate ROEP	Calc Prod RRL	Calc Cum Prod	Actual Flow Rate RRL	Actual Cum Prod RRL	Remarks

Initial	15	3800	6720	70.0	70			
Final	20	4350	2870	39.9	110			Pressure at beginning of 2nd flow period was 300 psi higher than ending of 1st flow. Suspect a restriction to flow caused by tool bit backpressure on formation.
Final	20	4500	1820	25.3	135			
Final	20	4570	1330	18.5	154			Fluid to surface at the end of this flow period. Actual Gas Prod is based on empty volume of drillpipe.
Final	115	4640	840	78.8	232			Produced through 1" choke at 40 psi surface pressure.
Final	120	4560	1400	116.7	349			Tool did not close for 2nd shut-in and well continued to flow. FBHP actually dropped approx. 80 psi. Suspect that attempt at shut-in eliminated restriction. Total DST recovery = 310 bbls oil.

TICKET NO. 007 DATE 1-14-88 DRILL STEM TESTING

LEASE OWNER Whitman

LEASE NAME State WELL NO. 1 TEST NO. 5

LEGAL LOCATION 23105 FORMATION TESTED Devonian

FIELD AREA W.C. COUNTY 1 STATE New York

ELEVATION (ft.) 2115.52

TOP OF TESTED INTERVAL (ft.) 12 642.30 BOTTOM OF TESTED INTERVAL (ft.) 12 698

NET PAY (ft.) 12' TOTAL DEPTH (ft.) 12 698

WELL OR CASING SIZE (in.) 77/8 MUD WEIGHT (lb./gal.) 9.5 VISCOSITY (sec.) 85

SURFACE CHOKE (in.) 1/2 1/4 BOTTOM CHOKE (in.) 1"

OIL GRAVITY 49.3 @ 60 °F GAS GRAVITY—ESTIMATED _____ ACTUAL _____

SAMPLER DATA

TEMPERATURE (°F)

PRESSURE (P.S.I.) 1000 CUBIC FT. OF GAS _____ ESTIMATE ?

C.C.'s OF OIL 1500 C.C.'s OF WATER _____ ACTUAL _____

C.C.'s OF MUD 200 TOTAL LIQUID C.C.'s 1700cc DEPTH (ft.) 12 693.80

GAS/OIL RATIO (cu. ft. per bbl.)

THERMOMETER ☒ OTHER ☐

FROM SAMPLER _____ OTHER _____

RECORDER AND PRESSURE DATA

CHARTS READ BY Randy St. DATA _____

R E C O R D E R S	GAUGE NUMBER	<u>11071</u>	<u>072</u>	TIMES	
	GAUGE TYPE	<u>BT</u>	<u>BT</u>	TOOL OPENED	<u>5:20 AM</u>
	GAUGE DEPTH (ft.)	<u>12 626.70</u>	<u>12 693.80</u>	DATE	<u>1-14-88</u>
	CLOCK NUMBER	<u>33155</u>	<u>33190</u>	BYPASS OPENED	<u>9:25 AM</u>
	CLOCK RANGE (HR.)	<u>24</u>	<u>24</u>	DATE	<u>1-14-88</u>
P R E S S U R E	INITIAL HYDROSTATIC	<u>6396.5</u>	<u>6405.2</u>	PERIOD	MINUTES
	INITIAL FLOW	<u>3453.1</u>	<u>3701.2</u>		
	1st. FINAL FLOW	<u>3826.2</u>	<u>3954.2</u>	1st. FLOW	<u>15</u>
	CLOSED-IN	<u>4817.0</u>	<u>4825.1</u>	1st. C.I.P.	<u>30</u>
	INITIAL FLOW	<u>4322.2</u>	<u>4410.6</u>		
	2nd. FINAL FLOW	<u>4620.1</u>	<u>4783.7</u>	2nd. FLOW	<u>200</u>
	CLOSED-IN	<u>6137.9</u>	<u>6172.2</u>	2nd. C.I.P.	<u>120</u>
	INITIAL FLOW				
	3rd. FINAL FLOW			3rd. FLOW	
	CLOSED-IN			3rd. C.I.P.	
	FINAL HYDROSTATIC	<u>6396.5</u>	<u>6405.2</u>		