

STATE OF KANSAS -- CORPORATION COMMISSION  
 PRODUCTION TEST & GOR REPORT

15-129-21548-0000

PL+D  
4/24/98

Form C-5 Revised

Conservation Division

TYPE TEST: Initial Annual Workover Reclassification TEST DATE:

Company HARRIS OIL & GAS RECEIVED  
 Lease SMITH Well No. 1-20 (UPPER)

County MORTON Location 990 FWL 990FSL Section 20 Township 33S Range 42W Acres

Field Reservoir MORROW Pipelino Connection CIG

Completion Date 2-8-98 Type Completion(Describe) DUAL Plug Back T.D. 5070 Packer Set At 4800

Production Method: Flooding X Pumping Gas Lift Type Fluid Production OIL API Gravity of Liquid/Oil 42.1 @ 82

Casing Size 5 1/2 Weight 15.5 I.D. 4.950 Set At 5175 Perforations 4486 To 4504

Tubing Size 2 1/16 Weight 3.25 I.D. 4465 Perforations To

Pretest: Starting Date 4-16-98 Time 0830 Ending Date 4-17-98 Time 0830 Duration Hrs. 24.0

OIL PRODUCTION OBSERVED DATA

Producing Wellhead Pressure Separator Pressure Choke Size 40/64

Bbls./In.	Tank		Starting Gauge			Ending Gauge			Net Prod. Bbls.	
	Size	Number	Feet	Inches	Barrels	Feet	Inches	Barrels	Water	Oil
Pretest:										
Test:	12/15	248243	1	3 1/2	25.89	14	8 1/2	294.76	0	268.87
Test:	12/15	248244	1	3 1/2	25.89	6	1/2	121.08	0	95.19

GAS PRODUCTION OBSERVED DATA

Pipe Taps:	Flange Taps:	Orifice Size	Meter-Prover-Tester Pressure			Diff. Press. (hw) or (hd)	Static Pressure:	Gravity Gas (Gz)	Flowing Temp. (t)
			In. Water	In. Merc.	Psig or (Pd)				
Orifice Meter		1.000			29.2	20	.860	60	
Critical Flow Prover									
Orifice Well Tester									

GAS FLOW RATE CALCULATIONS (R)

Gcoeff. MCFD (Fb)(Fp)(OWTC)	Meter-Prover Press. (Pma)(Pm)	Extension $\sqrt{hw \times Pm}$	Gravity Factor (Fg)	Flowing Temp. Factor (Ft)	Deviation Factor (Fpv)	Chart Factor (Fd)
5.073	43.6	29.5296	1.078	1.00	1.00	
Gas Prod. MCFD	Oil Prod. Bbls./Day	Gas/Oil Ratio (GOR) =	Cubic Ft per Bbl.			
Flow Rate (R): 161.5	364.06	443.6				

The undersigned authority, on behalf of the Company, states that he is duly authorized to make the above report and that he has knowledge of the facts stated therein, and that said report is true and correct. Executed this the 17 day of APRIL 19 98

For Offset Operator For State For Company  
 PRECISION WIRELINE AND TESTING