

REPORT NO.
115636 DST

PAGE NO. 1

TEST DATE:

12-Jan-1989

S T A RTM

**A Schlumberger Transient Analysis Report
Of A Schlumberger Drillstem Test**

Schlumberger

Company: STANDARD OIL CORP. *Sohio*

Well: HOOD #8-1 *860/N + 1980/E*

TEST IDENTIFICATION

Test Type MFE OH J-300 DST
Test No. One
Formation Strawn
Test Interval (ft) ... 11227 to 11331
Reference Depth Kelly Bushing

WELL LOCATION

8-17-38
Field Wildcat
County Lea
State New Mexico
Sec/Twn/Rng 22/15s/37e
Elevation (ft) 3789

HOLE CONDITIONS

Total Depth (MD/TUD)(ft) . 11331
Hole Size (in) 7 7/8
Casing/Liner I.D. (in) ...
Perf'd Interv./Nt Pay(ft). -- / n/a
Shot Density/Diameter(in).

MUD PROPERTIES

Mud Type Gel/Drispac
Mud Weight (lb/gal) 9.3
Mud Resistivity (ohm.m) ..
Filtrate Resistiv.(ohm.m).
Filtrate Chlorides (ppm) . 7700

INITIAL TEST CONDITIONS

Initial Hydrostatic (psi). 5622
Gas Cushion Type None
Surface Pressure (psi) ...
Liquid Cushion Type None
Cushion Length (ft)

TEST STRING CONFIGURATION

Pipe Length (ft)/I.D.(in). n/a / 3.83
Collar Length ft/I.D.(in). 910 / 2.25
Packer Depths (ft) 11222, 11227
Bottomhole Choke Size(in). 15/16
Gauge Depth (ft)/Type 11201 / J-300

NET PIPE RECOVERY

Volume	Fluid Type	Properties
666 feet	Mud	7700 PPM
1416 feet	Mud	Foamy Emulsion
		Gas and oil cut

NET SAMPLE CHAMBER RECOVERY

Volume	Fluid Type	Properties
12.3 scf	Gas	
450 cc	Oil	
150 cc	Mud	
Press. 1100	GOR: 3260	GLR:

VALIDATION RESULTS

Model of Behavior
Fluid Type Used
Reservoir Pressure (psi) .
Transmissivity (md.ft/cp)
Permeability (md)
Skin Factor/Damage Ratio .
Storativity Ratio
Interporosity Flow Coeff..
Distance to Anomaly (ft).
Investigation Radius (ft).
Potentiometric Surf. (ft).

ROCK/FLUID/WELLBORE PROPERTIES

Oil Density (deg. API) ...
Basic Solids (%)
Gas Gravity
Water Cut (%)
Viscosity (cp)
Tot. Compress. (1/psi) ...
Porosity (%)
Reservoir Temperature (F). 170
Form.Vol.Factor (bbl/STB).

PRODUCTION RATE DURING TEST: Data Report

COMMENTS:

This test was mechanically successful and the zone did produce significant volumes of oil and gas.

The general character of the buildup plots exhibits dual porosity characteristics and suggests that the zone has fair effective permeability and some wellbore damage at the time and conditions of the test.

RECEIVED

APR 18 1969

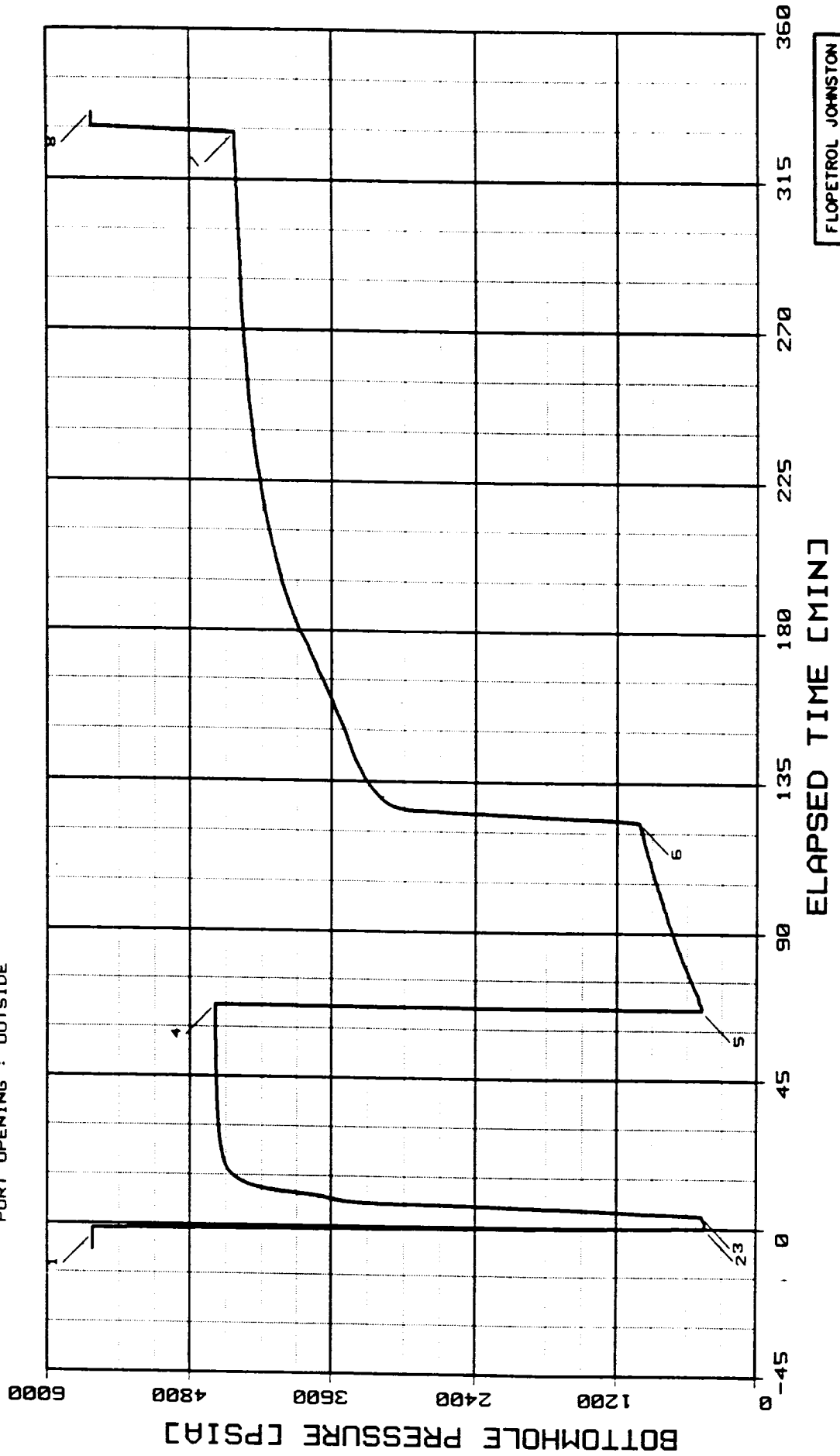
GOV
HOBBS OFFICE

WELL TEST INTERPRETATION REPORT #:115636 DST		PAGE: 2.
CLIENT : STANDARD OIL CORP.		16-JAN-89
REGION : W.T.D.	SEQUENCE OF EVENTS	Field: Wildcat
DISTRICT: Hobbs		Zone : Strawn
BASE : Midland		Well : Hood #8-1
Engr : Browning / tk		Location: 22/15s/37e

DATE	TIME (HR:MIN)	DESCRIPTION	ET (MINS)	BHP (PSIA)	WHP (PSIG)
12-JAN	01:45	SET PACKER, Hydrostatic	--	5622	
	01:49	START FLOW, Bubble hose	0.00	441	
		Good blow			
	01:50				2.0
	01:52	END FLOW & START SHUTIN	3.85	467	13.0
		Gas to surface in 6 min. on 3/4" choke			
	02:55	END SHUTIN	66.86	4588 ✓	
	02:55	START FLOW, Bubble hose	66.43	470	
		Open on 1/4" choke			
	03:00				1.0
	03:05				12.0
	03:10				19.0
	03:15				23.0
	03:20				26.0
	03:25				28.0
	03:30				30.0
	03:35				32.0
	03:40				34.0
	03:45				36.0
	03:52	END FLOW & START SHUTIN	123.22	1007	
	07:18	END SHUTIN	329.12	4423 ✓	
	07:23	PULLED LOOSE, Hydrostatic	334.70	5625	
	07:25	Start reversing out			
	08:30	End reversing out			

BOTTOMHOLE PRESSURE LOG

FIELD REPORT NO. 115636 COMPANY : STANDARD OIL PRODUCTION CO.
INSTRUMENT NO. J-2104 WELL : HOOD #8-1
DEPTH : 11325 FT
CAPACITY : 6400 PSI
PORT OPENING : OUTSIDE



FLOPETROL JOHNSTON

 * WELL TEST DATA PRINTOUT *

FIELD REPORT # : 115636

COMPANY : STANDARD OIL PRODUCTION CO.
 WELL : HOOD #8-1

INSTRUMENT # : J-2104
 CAPACITY [PSI] : 6400.
 DEPTH [FT] : 11326.0
 PORT OPENING : OUTSIDE
 TEMPERATURE [DEG F] : 170.0

LABEL POINT INFORMATION

#	TIME OF DAY	DATE	EXPLANATION	ELAPSED TIME,MIN	BOT HOLE PRESSURE PSIA
***	*****	*****	*****	*****	*****
1	1:45:47	12-JA	HYDROSTATIC MUD	-3.21	5622
2	1:49: 0	12-JA	START FLOW	0.00	441
3	1:52:51	12-JA	END FLOW & START SHUT-IN	3.85	467
4	2:55:52	12-JA	END SHUT-IN	66.86	4588
5	2:55:26	12-JA	START FLOW	66.43	470
6	3:52:13	12-JA	END FLOW & START SHUT-IN	123.22	1007
7	7:18: 7	12-JA	END SHUT-IN	329.12	4423
8	7:23:42	12-JA	HYDROSTATIC MUD	334.70	5625

SUMMARY OF FLOW PERIODS

PERIOD	START ELAPSED TIME,MIN	END ELAPSED TIME,MIN	DURATION MIN	START PRESSURE PSIA	END PRESSURE PSIA
*****	*****	*****	*****	*****	*****
1	0.00	3.85	3.85	441	467
2	66.43	123.22	56.79	470	1007

SUMMARY OF SHUTIN PERIODS

PERIOD	START ELAPSED TIME,MIN	END ELAPSED TIME,MIN	DURATION MIN	START PRESSURE PSIA	END PRESSURE PSIA	FINAL FLOW PRESSURE PSIA	PRODUCING TIME, MIN
*****	*****	*****	*****	*****	*****	*****	*****
1	3.85	66.86	63.01	467	4588	467	3.85
2	123.22	329.12	205.90	1007	4423	1007	60.64