

REPORT NO.
102978 S/L

PAGE NO. 1

TEST DATE:
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WELL PERFORMANCE TESTING™ REPORT

FLOPETROL JOHNSTON

Schlumberger

Based On Model Verified™ Interpretation

Company: MERIDIAN OIL COMPANY	Well: BENSON "34" FEDERAL #1
TEST IDENTIFICATION Test Type S/L Four Point Test No. -- Formation Strawn Test Interval (ft) ... 10898 to 10950	WELL LOCATION Field Benson County Eddy State New Mexico Sec/Twn/Rng 34/ 18s/ 30e
COMPLETION CONFIGURATION Total Depth (MD/TUD)(ft) . 10950 Casing/Liner I.D. (in) ... 5 1/2 Hole Size (in) Perforated Interval (ft) . 12 Shot Density (shots/ft) .. Perforation Diameter(in) . Net Pay (ft)	TEST STRING CONFIGURATION Tubing Length ft/I.D.(in). 10800 / 1.995 Tubing Length ft/I.D.(in). Packer Depth (ft) 10800 Gauge Depth (ft)/Type ... 10748 / Amerada Downhole Valve(Y/N)/Type . None
VALIDATION RESULTS Model of Behavior Fluid Type Used Reservoir Pressure (psi) . Transmissivity (md.ft/cp) Permeability (md) Skin Factor Storativity Ratio Interporosity Flow Coeff.. Distance to Anomaly (ft). Investigation Radius (ft).	TEST CONDITION Tbg/Wellhead Press. (psi). 1674 (static) Separator Pressure (psi) . 370
	ROCK/FLUID/WELLBORE PROPERTIES Oil Density (deg. API) ... 42.9 Basic Solids (%) Gas Gravity 0.734 GOR (scf/STB) 2092 Water Cut (%) None Viscosity (cp) Tot. Compress. (1/psi) ... Porosity (%) Reservoir Temperature (F). 168 at 10748 Form.Val.Factor (bbl/STB).

MAXIMUM PRODUCTION RATE DURING TEST:

COMMENTS:

Enclosed is the data collected during the four point test of the above captioned well.

The slopes on both deliverability plots was greater than 1.0 so a unit slope line was assumed through the highest rate point. This gave a wellhead A.O.F. of 2233 mscf/day and a sandface A.O.F. of 3847 mscf/day.

The bottomhole pressures used in the deliverability plot were corrected to mid-perforation depth of 10904 feet, using the flowing gradient data prior to the buildup (report #101901).