



UMC PETROLEUM CORP.

VINSON # 1
D.S.T. NO. : 1INCREMENTAL PRESSURE DATA
OIL RESERVOIR ANALYSIS

SURFACE OIL PROD. (bbl):	0	BOTTOMHOLE TEMP. :	192	TOTAL FLOW TIME(min):	150
FREE OIL (ft)	: 270	API OIL GRAVITY :	45.5	GAS/OIL RATIO :	1524
OIL IN WTR OR MUD (%) :	10	MUD WEIGHT (#/gal) :	9.5	OIL VISCOSITY (cp) :	.29
WATER RECOVERY (ft) :	0	EFFECTIVE PAY (ft) :	7.0	OIL VOLUME FACTOR :	1.67
GAS RECOVERY :	2000 FEET	SLOPE OF HORNER (psi/cycle) :	133.333		

EXTRAPOLATED RESERVOIR PRESSURE, P* (psig)

FIRST SHUT-IN : 4469 SECOND SHUT-IN : 4469 THIRD SHUT-IN :

CALCULATIONS	FORMULA	RESULTS
RESERVOIR PRESSURE GRADIENT (psi/ft)	P*/L	.367
CALCULATED HYDROSTATIC PRESSURE (psig)	(L) MW/8.33 (.433)	6018
PRESSURE ELEMENT ACCURACY (%)	IHP/CHP (100)	99.55
OIL PRODUCTION RATE (bbl/day)	(24) Rec./Time	30.
MOBILITY (md-ft/cp)	162.6 Qo Bo/m	61.23
TRANSMISSIBILITY (md-ft)	Koh/uo (uo)	17.65
EFFECTIVE OIL PERMEABILITY (md)	Koh/h	2.522
DAMAGE RATIO	(.183) (P* - Pf)/m	4.226
PRODUCTIVITY INDEX (bbl/day/psi)	Qo/(P* - Pf)	.010
PROD. RATE WITH DAMAGE REMOVED (bbl/day)	Qo DR	127.
APPROXIMATE RADIUS OF INVESTIGATION (ft)	SQRT(Ko Time)	19.45
REMARKS:		

THE OIL PRODUCTION RATE OF 30 BOPD WAS BASED ON 3.5 BBLS. OF FREE OIL (45.5 GRAVITY @ 60 DEGREES) & 2 BBLS. OF GAS & OIL CUT MUD (10% OIL) RECOVERED IN A TOTAL FLOW TIME OF 150 MIN. THE EFFECTIVE OIL PERMEABILITY WAS BASED ON 7 FT. OF NET PAY REPORTED.

* THE PRODUCTION RATES REPRESENT AN INITIAL POTENTIAL ONLY.

NOTE: These calculations and remarks are designed to furnish you information from the Drill Stem Test, and as such are RIG TESTERS, INC. opinions only.