

TRILOBITE TESTING, L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Drill-Stem Test Data

Well Name DENNIS #5 Test No. 1 Date 11/20/93
Company BEREXCO INC Zone MORROW
Address 970 FOURTH FINANCIAL CNTR WICHITA KS 67202 Elevation 2956
Co. Rep./Geo. CHARLIE SPRADLIN Cont. BEREDCO RIG #4 Est. Ft. of Pay 13
Location: Sec. 2 Twp. 29S Rge. 33W Co. HASKELL State KS

Interval Tested 5412-5437 Drill Pipe Size 4.5" XH
Anchor Length 25 Wt. Pipe I.D. - 2.7 Ft. Run 621
Top Packer Depth 5407 Drill Collar - 2.25 Ft. Run 9.1
Bottom Packer Depth 5412 Mud Wt. 52 lb/Gal. 7.8
Total Depth 5437 Viscosity 52 Filtrate 7.8

Tool Open @ 8:50 AM Initial Blow STRONG BLOW - GAS TO SURFACE IN 10 MINUTES

Final Blow GAS TO SURFACE AS TOOL OPENED

Recovery - Total Feet 3075 Flush Tool? NO

Rec. 2715 Feet of CLEAN GASSY OIL-10% GAS/ 90% OIL
Rec. 360 Feet of HVY GAS CUT OIL-70% GAS/ 30% OIL
Rec. Feet of
Rec. Feet of
Rec. Feet of

BHT 138 °F Gravity 30 °API @ 62 °F Corrected Gravity 29.9 °API
RW @ °F Chlorides ppm Recovery Chlorides 1200 ppm System

(A) Initial Hydrostatic Mud 2614.6 PSI AK1 Recorder No. 13337 Range 3975

(B) First Initial Flow Pressure 205.5 PSI @ (depth) 5415 w / Clock No. 17640

(C) First Final Flow Pressure 219.3 PSI AK1 Recorder No. 10333 Range 4050

(D) Initial Shut-in Pressure 1471.0 PSI @ (depth) 5434 w / Clock No. 25810

(E) Second Initial Flow Pressure 330.0 PSI AK1 Recorder No. Range

(F) Second Final Flow Pressure 629.6 PSI @ (depth) w / Clock No.

(G) Final Shut-in Pressure 1503.6 PSI Initial Opening 15 Final Flow 60

(H) Final Hydrostatic Mud 2566.0 PSI Initial Shut-in 30 Final Shut-in 120

Our Representative ROBERT COLLINS

COMPUTER OIL EVALUATION BY TRILOBITE TESTING, L.L.C.

BEREXCO INC

DENNIS #5

DST 1

2 29S 33W HASKELL KS

ELEVATION:	2956	KB	EST. PAY	13	FT
DATUM:	-2460		ZONE TESTED:	MORROW	
TEST INTERVAL:	5412-5437		TIME INTERVALS:	15-30-60-120	
RECORDER DEPTH:	5415		VISCOSITY:	8.87	CP
BOTTOM HOLE TEMP:	138		HOLE SIZE:	7.875	IN

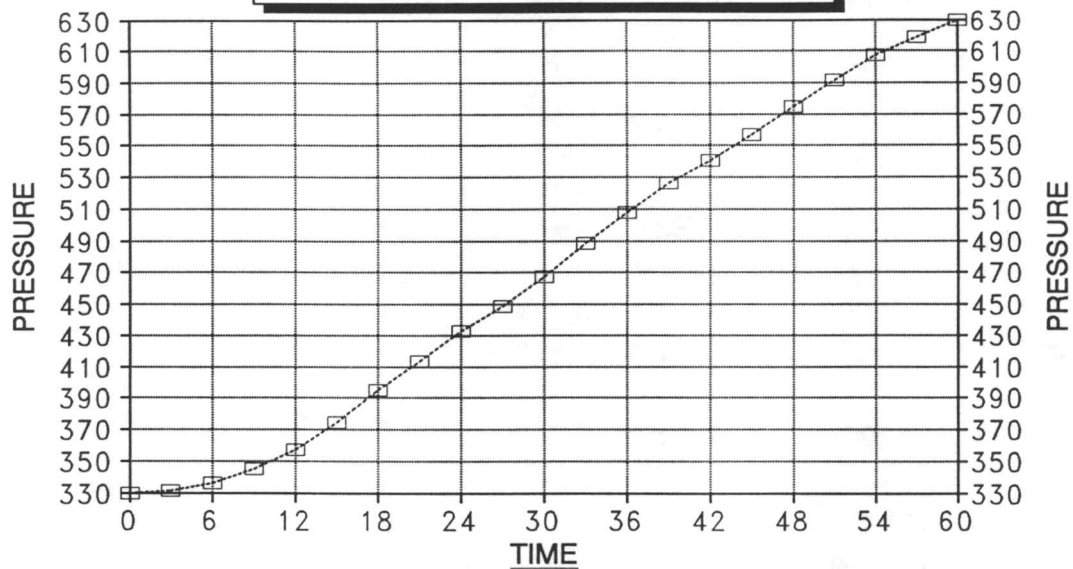
CUBIC FEET OF GAS IN PIPE:	350			
TOTAL FEET OF RECOVERY:	3075.00	CORRECTED PIPE FILLUP:	1661.214	
TOTAL BARRELS OF RECOVERY:	37.93	CORR. BARRELS OF RECOVERY:	17.825	BBL
BARRELS IN DRILL PIPE:	34.90	API GRAVITY:	30	
BARRELS IN WEIGHT PIPE:	0.00	FLUID GRADIENT:	0.379	
BARRELS IN DRILL COLLARS:	3.04			
GAS OIL RATIO:	9.23	CU.FT/BBL		
BUBBLE POINT PRESSURE:	72			
UNCORRECTED INITIAL PRODUCTION:			728.31	BBL
INITIAL PRODUCTION CORRECTED TO FINAL FLOW PRESSURE:			342.25	BBL/DAY
INITIAL PRODUCTION CORRECTED TO PSEUDO STEADY FLOW STATE:			311.495	

INITIAL SLOPE	526.68	PSI/CYCL	FINAL SLOPE	178.76	PSI/CYCLE
INITIAL P*	1563.74	PSI	FINAL P*	1539.86	PSI

TRANSMISSIBILITY	311.31	(MD.-FT./CP.)
PERMEABILITY	212.38	(MD.)
INDICATED FLOW CAPACITY	2760.90	(MD.FT)
PRODUCTIVITY INDEX	0.35	(BARREL/DAY/PSI)
DAMAGE RATIO	0.93	
RADIUS OF INVESTIGATION	126.21	(FT,)
POTENTIOMETRIC SURFACE	1111.93	(FT.)
DRAWDOWN FACTOR	1.527	(%)

DELTA T DELTA P

FINAL FLOW / DST #1



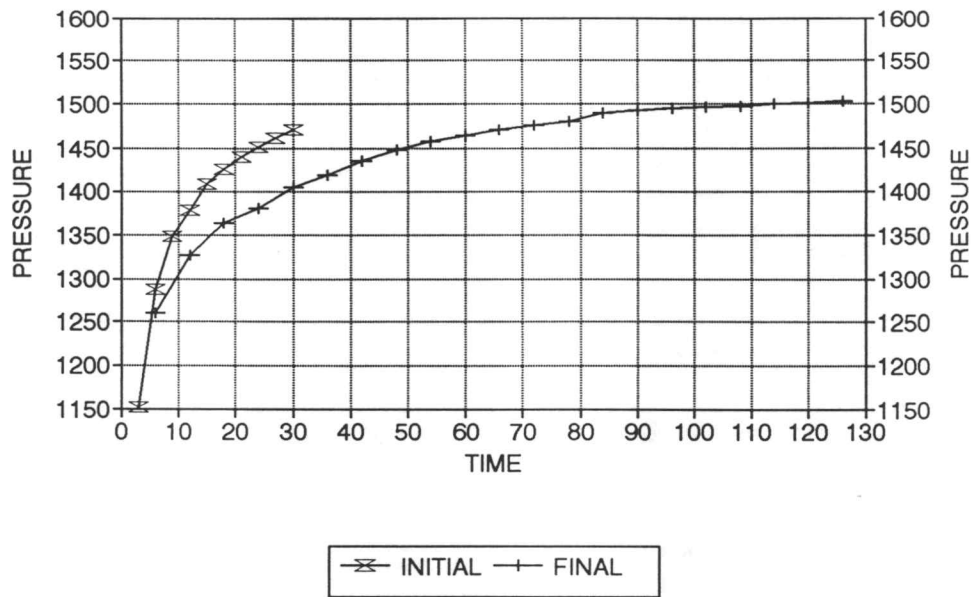
--- DENNIS #5

INITIAL PRODUCTION CORRECTED TO PSEUDO STEADY FLOW STATE:

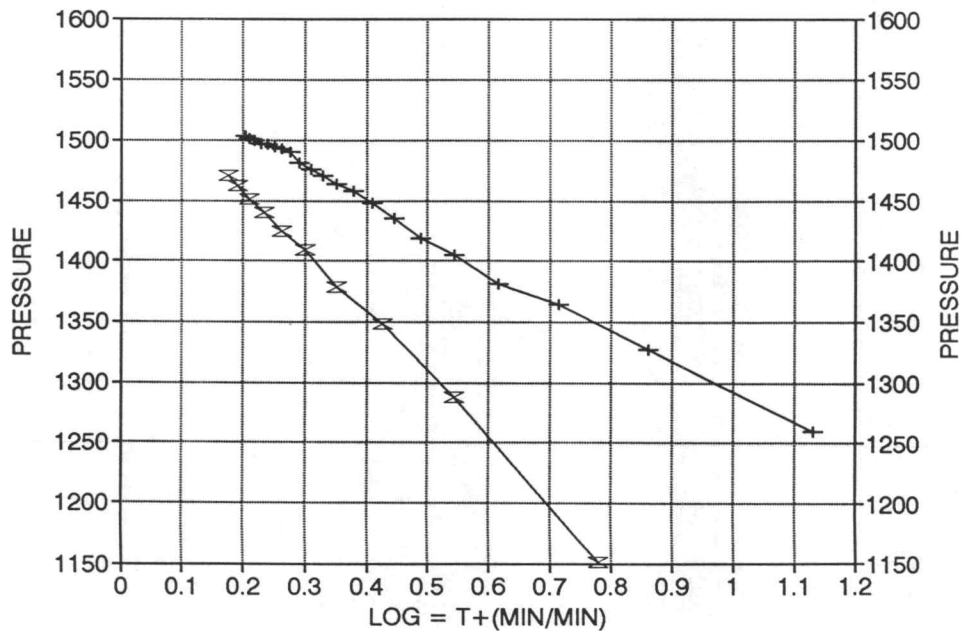
311.495

DENNIS #5 / DST #1

DELTA T DELTA P



HORNER PLOT



GAS VOLUME REPORT

BEREXCO INC

DENNIS #5

DST # 1

MIN	PSIG	ORIFICE	MCF/D	MIN	INCHES OF WTR	ORIFICE	MCF/D
				10	26	0.5	3.19
				20	4	0.375	7.14
				30	12	0.25	5.86
				40	16	0.25	6.72
				50	16	0.25	6.72
				60	16	0.25	6.72

Remarks: GAS TO SURFACE IN 10 MINUTES / GAS WILL BURN