

TRILOBITE TESTING, L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Drill-Stem Test Data

Well Name WEBER #2 Test No. 1 Date 4/9/95
Company PELICAN HILL OIL & GAS INC Zone ARBUCKLE
Address 1401 N EL CAMINO ROAD SAN CLEMENTE CA 92612 Elevation 1881
Co. Rep./Geo. RANDALL KILIAN Cont. DUKE #2 Est. Ft. of Pay 3
Location: Sec. 16 Twp. 16S Rge. 12W Co. BARTON State KS

Interval Tested 3312-3321 Drill Pipe Size 4.5" XH
Anchor Length 9 Wt. Pipe I.D. - 2.7 Ft. Run _____
Top Packer Depth 3307 Drill Collar - 2.25 Ft. Run _____
Bottom Packer Depth 3312 Mud Wt. 9.1 lb/Gal.
Total Depth 3321 Viscosity 44 Filtrate 9.6

Tool Open @ 5:35 AM Initial Blow STRONG BLOW - BOTTOM OF BUCKET IN 2 MINUTES

Final Blow STRONG BLOW - BOTTOM OF BUCKET IN 2 1/5 MINUTES

Recovery - Total Feet 1340 Flush Tool? NO

Rec. 250 Feet of GAS IN PIPE
Rec. 1310 Feet of CLEAN GASSY OIL 15%GAS/85%OIL
Rec. 30 Feet of GAS & OIL CUT MUD 35%GAS/15%OIL/50%MUD
Rec. _____ Feet of _____
Rec. _____ Feet of _____

BHT 103 °F Gravity 41 °API @ 58 °F Corrected Gravity 41.3 API
RW _____ @ _____ °F Chlorides 6000 ppm Recovery Chlorides 6000 ppm System

(A) Initial Hydrostatic Mud 1595.60 PSI AK1 Recorder No. 13288 Range 4650

(B) First Initial Flow Pressure 20.30 PSI @ (depth) 3318 w / Clock No. 22993

(C) First Final Flow Pressure 174.60 PSI AK1 Recorder No. 10248 Range 4400

(D) Initial Shut-in Pressure 1012.20 PSI @ (depth) 3313 w / Clock No. 23858

(E) Second Initial Flow Pressure 208.30 PSI AK1 Recorder No. _____ Range _____

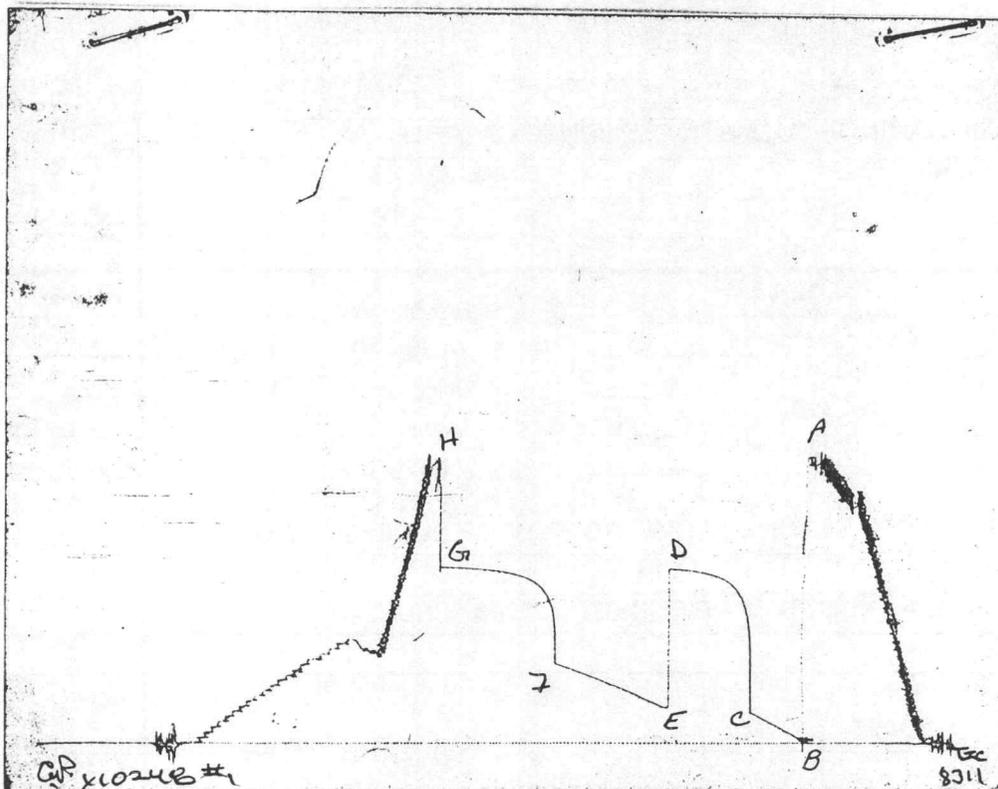
(F) Second Final Flow Pressure 465.00 PSI @ (depth) _____ w / Clock No. _____

(G) Final Shut-in Pressure 1022.20 PSI Initial Opening 30 Final Flow 60

(H) Final Hydrostatic Mud 1586.30 PSI Initial Shut-in 45 Final Shut-in 60

Our Representative GARY PEVOTEAUX

CHART PAGE



This is an actual photograph of an AK1 recorder chart

	FIELD READING	OFFICE READING
(A) INITIAL HYDROSTATIC MUD	1585	1595.60
(B) FIRST INITIAL FLOW PRESSURE	18	20.30
(C) FIRST FINAL FLOW PRESSURE	173	174.60
(D) INITIAL CLOSED-IN PRESSURE	1006	1012.20
(E) SECOND INITIAL FLOW PRESSURE	193	208.30
(F) SECOND FINAL FLOW PRESSURE	462	465.00
(G) FINAL CLOSED-IN PRESSURE	1012	1022.20
(H) FINAL HYDROSTATIC MUD	1580	1586.30

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

PELICAN HILL OIL & GAS INC

	WEBER #2			DST 1	
	16	16S	12W	BARTON KS	

ELEVATION:	1881	KB	EST. PAY	3 FT	
DATUM:	-1433		ZONE TESTED:	ARBUCKLE	
TEST INTERVAL:	3312-3321		TIME INTERVALS:	30-45-60-60	
RECORDER DEPTH:	3313		VISCOSITY:	4.22 CP	
BOTTOM HOLE TEMP:	125		HOLE SIZE:	7.875 IN	

CUBIC FEET OF GAS IN PIPE:	20			
TOTAL FEET OF RECOVERY:	1340.00	CORRECTED PIPE FILLUP:	1309.859	
TOTAL BARRELS OF RECOVERY:	19.05	CORR. BARRELS OF RECOVERY:	16.375 BBL	
BARRELS IN DRILL PIPE:	19.05	API GRAVITY:	41	
BARRELS IN WEIGHT PIPE:	0.00	FLUID GRADIENT:	0.355	
BARRELS IN DRILL COLLARS:	0.00			
GAS OIL RATIO:	1.05	CU.FT/BBL		
BUBBLE POINT PRESSURE:	10			
UNCORRECTED INITIAL PRODUCTION:			304.88 BBL	
INITIAL PRODUCTION CORRECTED TO FINAL FLOW PRESSURE:			262.00 BBL/DAY	
INITIAL PRODUCTION CORRECTED TO PSEUDO STEADY FLOW STATE:			178.837	

INITIAL SLOPE	217.94 PSI/CYCLE	FINAL SLOPE	114.72 PSI/CYCLE
INITIAL P*	1047.69 PSI	FINAL P*	1056.77 PSI

TRANSMISSIBILITY	371.36 (MD.-FT./CP.)
PERMEABILITY	522.50 (MD.)
INDICATED FLOW CAPACITY	1567.50 (MD.FT)
PRODUCTIVITY INDEX	0.42 (BBL/DAY/PSI)
DAMAGE RATIO	0.94
RADIUS OF INVESTIGATION	216.85 (FT.)
POTENTIOMETRIC SURFACE	1018.64 (FT.)
DRAWDOWN FACTOR	-0.866 (%)

INITIAL FLOW

DST # 1
RECORDER 10248

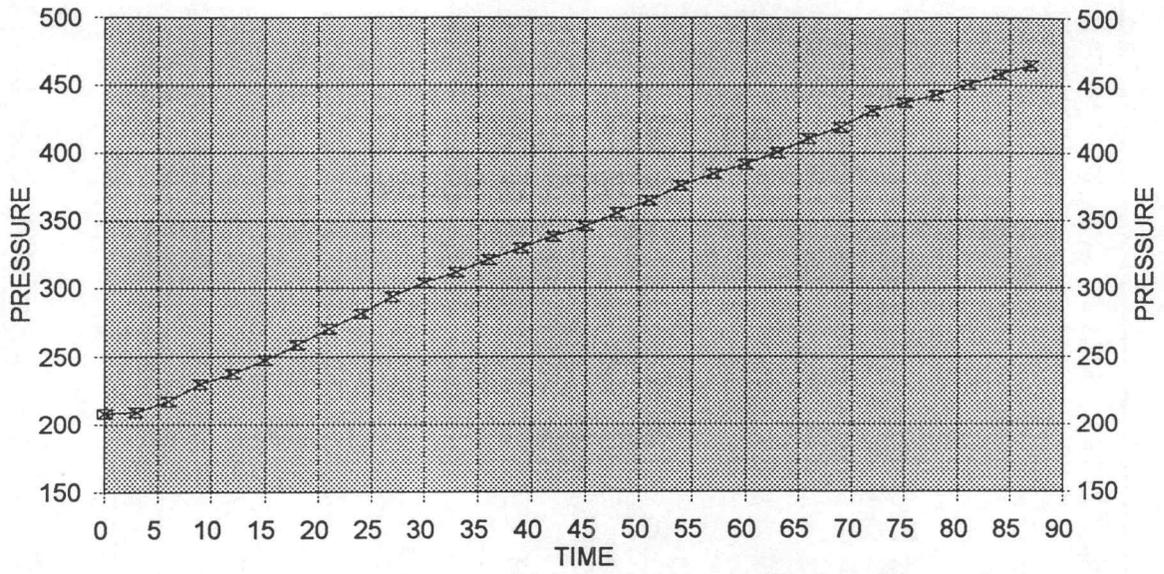
<u>TIME(MIN)</u>	<u>PRESSURE</u>	<u>PRESSURE</u>
0	20.3	20.3
3	25.9	5.6
6	37.2	11.3
9	50.7	13.5
12	61.9	11.3
15	73.2	11.3
18	86.7	13.5
21	100.2	13.5
24	112.6	12.4
27	123.9	11.3
30	135.1	11.3
33	147.5	12.4
36	158.8	11.3
39	174.6	15.8

FINAL FLOW

DST # 1
RECORDER 10248

		<>
TIME(MIN)	PRESSURE	PRESSURE
0	208.3	208.3
3	209.5	1.1
6	217.3	7.9
9	229.7	12.4
12	237.6	0.0
15	247.8	3.8
18	259.0	0.0
21	270.3	4.8
24	281.5	11.3
27	293.9	12.4
30	304.1	10.1
33	311.9	7.9
36	320.9	9.0
39	330.0	9.0
42	337.8	7.9
45	345.7	7.9
48	355.9	10.1
51	364.9	9.0
54	376.1	11.3
57	385.1	9.0
60	391.9	6.8
63	400.9	9.0
66	411.0	10.1
69	418.9	7.9
72	431.3	12.4
75	436.9	5.6
78	442.6	5.6
81	450.5	7.9
84	458.3	7.8
87	465.0	6.7

DELTA T DELTA
WEBER #2 / DST #1



INITIAL PRODUCTION CORRECTED TO PSEUDO STEADY FLOW STATE:

178.837

INITIAL SHUT-IN

WEBER #2

DST # 1

INITIAL FLOW TIME 30

SLOPE

217.9

PSI/CYCLE

P*

1047.69

PSI

	<u>TIME(MIN)</u>	<u>Pws (psi)</u>	<u>Log Horn T</u>	<u><> PRESSURE</u>	<u>Horn T</u>
	3	798.9	1.041	798.9	11
	6	852.3	0.778	53.4	6
	9	890.0	0.637	37.8	4
	12	914.5	0.544	24.5	4
	15	935.6	0.477	21.1	3
	18	948.9	0.426	13.3	3
	21	960.0	0.385	11.1	2
	24	967.8	0.352	7.8	2
	27	976.7	0.325	8.9	2
	30	981.1	0.301	4.4	2
	33	985.6	0.281	4.4	2
	36	991.1	0.263	5.6	2
	39	995.6	0.248	4.4	2
Q	42	996.7	0.234	1.1	2
	45	1000.0	0.222	3.3	2
	48	1003.3	0.211	3.3	2
	51	1006.7	0.201	3.3	2
	54	1008.9	0.192	2.2	2
	57	1008.9	0.184	0.0	2
	60	1010.0	0.176	1.1	2
	63	1012.2	0.169	2.2	1
X	66	1012.2	0.163	0.0	1

FINAL SHUT-IN

WEBER #2

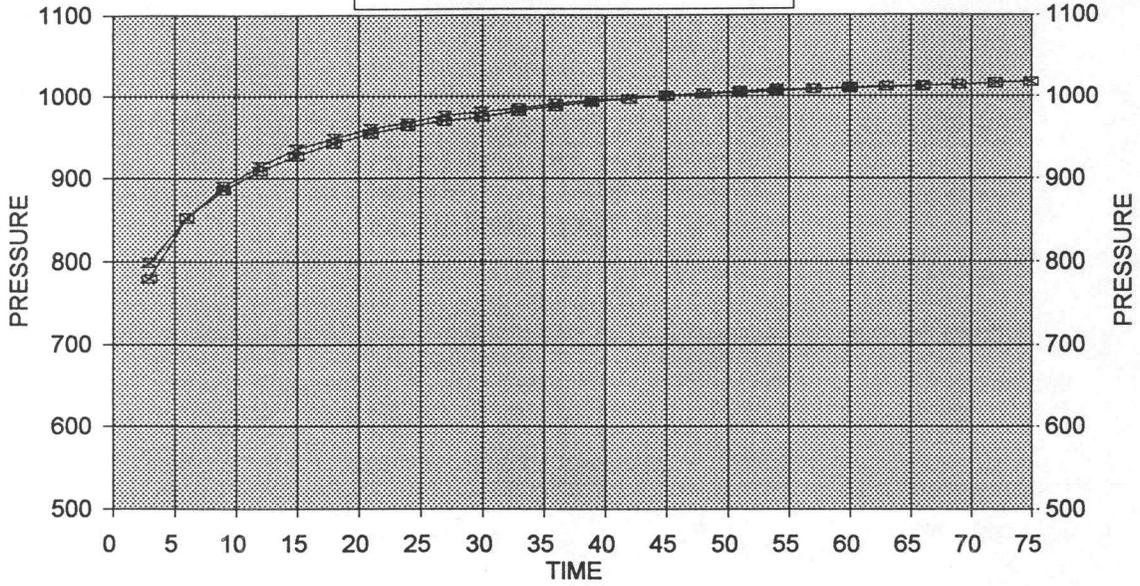
DST # 1

TOTAL FLOW TIME 90

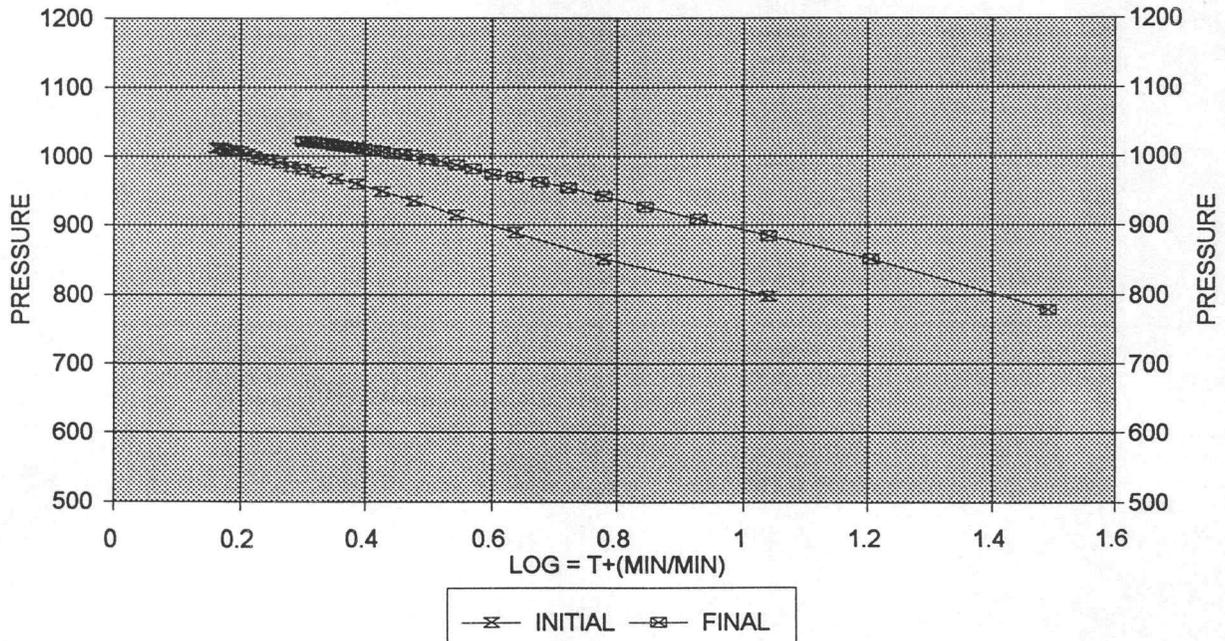
SLOPE 114.7 PSI/CYCLE
 P* 1056.77 PSI

	<u>TIME(MIN)</u>	<u>Pws (psi)</u>	<u>Log Horn T</u>	<u><> PRESSURE</u>	<u>Horn T</u>
	3	780.0	1.491	780.0	31
	6	852.3	1.204	72.2	16
	9	885.6	1.041	33.3	11
	12	908.9	0.929	23.3	9
	15	926.7	0.845	17.8	7
	18	942.2	0.778	15.6	6
	21	954.5	0.723	12.2	5
	24	963.4	0.677	8.9	5
	27	970.0	0.637	6.7	4
	30	974.5	0.602	4.4	4
	33	982.2	0.571	7.8	4
	36	987.8	0.544	5.6	4
	39	993.3	0.520	5.6	3
	42	996.7	0.497	3.3	3
	45	1001.1	0.477	4.4	3
	48	1003.3	0.459	2.2	3
	51	1004.4	0.442	1.1	3
	54	1006.7	0.426	2.2	3
	57	1008.9	0.411	2.2	3
Q	60	1011.1	0.398	2.2	3
	63	1012.2	0.385	1.1	2
	66	1013.3	0.374	1.1	2
	69	1014.5	0.363	1.1	2
	72	1016.7	0.352	2.2	2
	75	1017.8	0.342	1.1	2
	78	1018.9	0.333	1.1	2
	81	1020.0	0.325	1.1	2
	84	1021.1	0.316	1.1	2
	87	1022.2	0.308	1.1	2
X	90	1022.2	0.301	0.0	2

DELTA T DELTA WEBER #2 / DST #1



HORNER PLOT



CALCULATED RECOVERY ANALYSIS DRILL PIPE

DST # 1

TICKET # 8311

SAMPLE #	TOTAL FEET	GAS		OIL		WATER		MUD	
		%	FEET	%	FEET	%	FEET	%	FEET
1	250	100	250		0	0	0	0	0
2	1310	15	196.5	85	1113.5		0	0	0
3	30	35	10.5	15	4.5		0	50	15
4			0		0		0		0
5			0		0		0		0
6			0		0		0		0
TOTAL	1590	28.74	457	70.31	1118	0	0	0.94	15

		HRS OPEN	BBL/DAY
BBL OIL=	15.89796	*	1.50
BBL WATER=	0	*	0.00
BBL MUD=	0.2133		
BBL GAS	6.49854		

