TRILOBITE TESTING, L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Drill-Stem Test Data

Well Name: FEHRENBACH #1 | Test No.: 1 | Date: 12/20/93

Company: PELICAN HILL OIL & GAS | Zone: MISS

Address: 2139 AVENIDA ESPADA SAN CLEMENTE CA 92672 | Elevation: 2403 KB

Co. Rep./Geo.: ALLEN GROSS | Cont.: ALLEN RIG #1 | Est. Ft. of Pay:

Location: Sec.: 1 | Twp.: 22S | Rge.: 25W | Co.: HODGEMAN | State: KS

Interval Tested: 4506-4525 | Drill Pipe Size: 4.5" XH

Anchor Length: 19 | Wt. Pipe I.D. - 2.7 Ft. Run:

Top Packer Depth: 4501 | Drill Collar – 2.25 Ft. Run:

Bottom Packer Depth: 4506 | Mud Wt.: 9.2 lb/Gal.

Total Depth: 4525 | Viscosity: 52 | Filtrate: 8.8

Tool Open @: 11:48 PM | Initial Blow: WEAK BLOW BUILDING TO BOTTOM OF BUCKET IN 2 MINUTES

ISI: BLED OFF BLOW-VERY WEAK RETURN BLOW BUILDING TO BOTTOM IN 20 MINUTES

Final Blow: FAIR BLOW BUILDING TO BOTTOM IN 2 MINUTES

FSI: BLED OFF BLOW-VERY WEAK RETURN BUILDING TO 4"-DECREASED TO VERY WEAK

Recovery - Total Feet: 1190 | Flush Tool?: NO

Rec. 320	Feet of	GAS IN PIPE
Rec. 1110	Feet of	CLEAN GASSY OIL- 30% GAS/ 70% OIL
Rec. 80	Feet of	SLTLY MUD CUT GASSY OIL-30%GAS/55%OIL/15%MUD
Rec.	Feet of	
Rec.	Feet of	

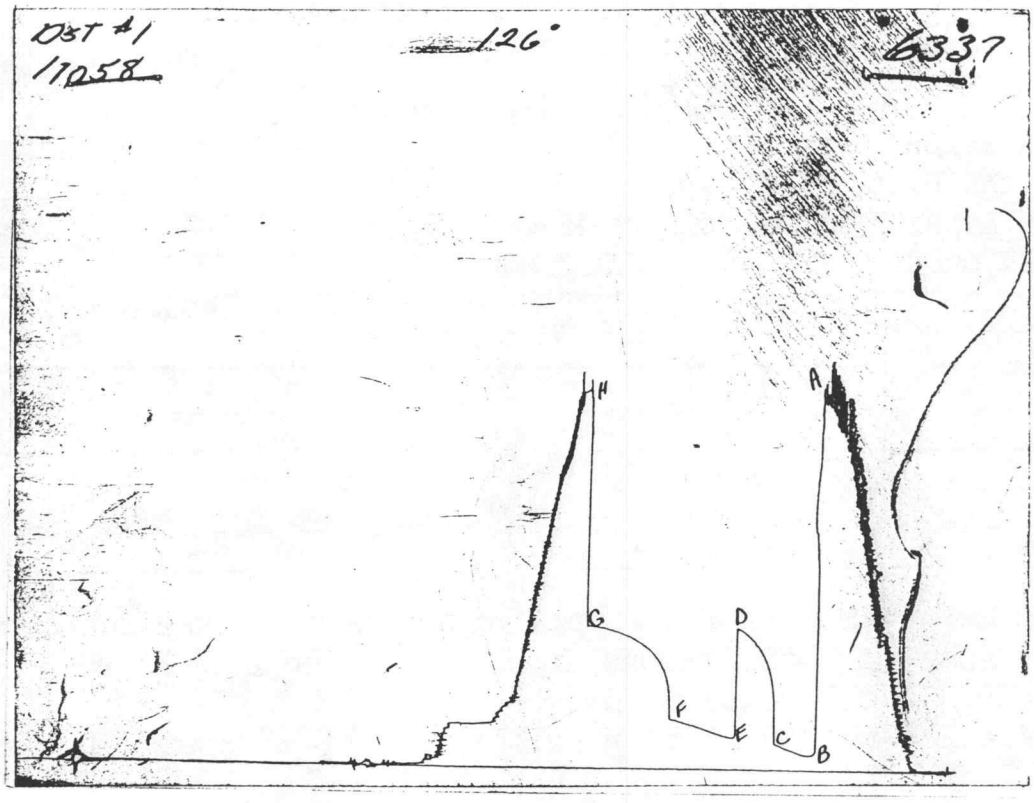
BHT: 126 °F | Gravity: 36 °API | @: 50 °F | Corrected Gravity: 37 °API

RW: | @: °F | Chlorides: ppm Recovery | Chlorides: ppm System

(A) Initial Hydrostatic Mud: 2236.5 PSI	AK1 Recorder No.: 11058	Range: 4475
(B) First Initial Flow Pressure: 87.7 PSI	@ (depth): 4509	w / Clock No.: 25828
(C) First Final Flow Pressure: 147.7 PSI	AK1 Recorder No.: 10332	Range: 4050
(D) Initial Shut-in Pressure: 826.8 PSI	@ (depth): 4522	w / Clock No.: 26199
(E) Second Initial Flow Pressure: 183.3 PSI	AK1 Recorder No.:	Range:
(F) Second Final Flow Pressure: 281.1 PSI	@ (depth):	w / Clock No.:
(G) Final Shut-in Pressure: 833.6 PSI	Initial Opening: 30	Final Flow: 45
(H) Final Hydrostatic Mud: 2210.7 PSI	Initial Shut-in: 30	Final Shut-in: 60

Our Representative: PETE WAGGONER

CHART PAGE



This is an actual photograph of recorder chart

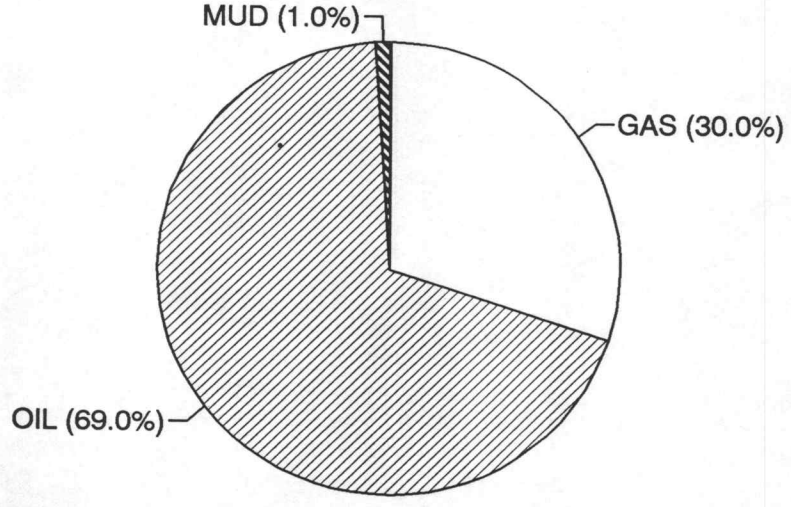
	FIELD READING	OFFICE READING
(A) INITIAL HYDROSTATIC MUD	2248	2236.5
(B) FIRST INITIAL FLOW PRESSURE	91	87.7
(C) FIRST FINAL FLOW PRESSURE	161	147.7
(D) INITIAL CLOSED-IN PRESSURE	841	826.8
(E) SECOND INITIAL FLOW PRESSURE	202	183.3
(F) SECOND FINAL FLOW PRESSURE	303	281.1
(G) FINAL CLOSED-IN PRESSURE	841	833.6
(H) FINAL HYDROSTATIC MUD	2228	2210.7

CALCULATED RECOVERY ANALYSIS DRILL PIPE

DST # 1 TICKET 6337

SAMPLE	TOTAL	GAS			OIL		WATER		MUD	
#	FEET	%	FEET	%	FEET	%	FEET	%	FEET
1	1110	30	333	70	777	0	0	0	0
2	80	30	24	55	44	0	0	15	12
3			0		0		0		0
4			0		0		0		0
5			0		0		0		0
6			0		0		0		0
TOTAL	1190	30	357	69	821	0	0	1.01	12

			HRS	BBL/DAY
BBL OIL=	11.67462	*	1.25	224.15
BBL WATER=	0	*		0
BBL MUD=	0.17064			
BBL GAS	5.07654			



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P.O. Box 362 • Hays, Kansas 67601

Test Ticket

№ 6337

Well Name & No. Fehrenbach #1 Test No. 1 Date 12-20-93

Company Pelican Hill Oil & Gas, Inc. Zone Tested Miss.

Address 2139 Avd. Espana San Clemente Ca. 92672 Elevation 2403

Co. Rep./Geo. Allen Gross Cont. Allen Drlg. Rig 1 Est. Ft. of Pay

Location: Sec. 1 Twp. 22S Rge. 25W Co. Hodgeman State Ks.

No. of Copies 5 Distribution Sheet ____ Yes ____ No Turnkey ____ Yes ____ No ____ Evaluation

Interval Tested 4506 to 4525 Drill Pipe Size 4½" XH

Anchor Length 19 Top Choke — 1" ____ Bottom Choke — ¾" ____

Top Packer Depth 4501 Hole Size — 7⅞" ____ Rubber Size — 6¾" ____

Bottom Packer Depth 4506 Wt. Pipe I.D. — 2.7 Ft. Run —

Total Depth 4525 Drill Collar — 2.25 Ft. Run —

Mud Wt. 9.2 lb/gal. Viscosity 52 Filtrate 8.8

Tool Open @ 11:48 pm Initial Blow weak blow building to bottom of bucket in 2 mins. 15 min - bled off blow - very weak return blow building to bottom in 20 mins.

Final Blow fair blow building to bottom in 2 mins 45 min - bled off blow - very weak return building to 4" - decreased to very weak surface blow

Recovery — Total Feet 1190' Feet of Gas in Pipe 320' Flush Tool? No

Rec. 1110'	Feet Of clean gassy oil	30 %gas	70 %oil	— %water	— %mud
Rec. 80'	Feet Of slightly muddy gassy oil	30 %gas	55 %oil	— %water	15 %mud
Rec. ____	Feet Of ____	%gas	%oil	%water	%mud
Rec. ____	Feet Of ____	%gas	%oil	%water	%mud
Rec. ____	Feet Of ____	%gas	%oil	%water	%mud

BHT 126 °F Gravity 36 °API @ 50 °F Corrected Gravity 37 °API

RW ____ @ ____ °F Chlorides ____ ppm Recovery Chlorides ____ ppm System

(A) Initial Hydrostatic Mud	2248 PSI	AK1 Recorder No.	11058	Range	4475
(B) First Initial Flow Pressure	91 PSI	@ (depth)	4509	w/Clock No.	26828
(C) First Final Flow Pressure	161 PSI	AK1 Recorder No.	10332	Range	4050
(D) Initial Shut-In Pressure	841 PSI	@ (depth)	4522	w/Clock No.	26199
(E) Second Initial Flow Pressure	202 PSI	AK1 Recorder No.	____	Range	____
(F) Second Final Flow Pressure	303 PSI	@ (depth)	____	w/Clock No.	____
(G) Final Shut-In Pressure	841 PSI	Initial Opening	30	Test	600.00
(H) Final Hydrostatic Mud	2228 PSI	Initial Shut-In	30	Jars	____
		Final Flow	45	Safety Joint	____
		Final Shut-In	60	Straddle	____
				Circ. Sub	35.00
				Sampler	____
				Extra Packer	____
				Other	____
				TOTAL PRICE $	635.00

TRILOBITE TESTING L.L.C. SHALL NOT BE LIABLE FOR DAMAGE OF ANY KIND OF THE PROPERTY OR PERSONNEL OF THE ONE FOR WHOM A TEST IS MADE, OR FOR ANY LOSS SUFFERED OR SUSTAINED, DIRECTLY OR INDIRECTLY, THROUGH THE USE OF ITS EQUIPMENT, OR ITS STATEMENTS OR OPINION CONCERNING THE RESULTS OF ANY TEST. TOOLS LOST OR DAMAGED IN THE HOLE SHALL BE PAID FOR AT COST BY THE PARTY FOR WHOM THE TEST IS MADE.

Approved By Randall Kilian

Our Representative Bob Waggoner

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