

ORIGINAL

Well Name: SCHEETZ #1
Company : PELICAN HILL OIL & GAS, INC
Location - Sec: 22 **Twp:** 11S **Rge:** 33W
County: LOGAN **State:** KS
Date: 11/19/95

15-109-20601

TRILOBITE TESTING L.L.C.

OPERATOR : Pelican Hill Oil & Gas

DATE 11/16/95

WELL NAME: Scheetz #1

KB 3145.00 ft

TICKET NO: 8481

DST #1

LOCATION : 22-11S-33W, Logan Cty KS

GR 3140.00 ft

FORMATION: LKC "H"

INTERVAL : 4223.00 To 4250.00 ft

TD 4250.00 ft

TEST TYPE: CONVENTIONAL

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 15 Rec.	11058	11058	11057			PF Fr. 1427 to 1442 hr
SI 15 Range(Psi)	4475.0	4475.0	4500.0	0.0	0.0	IS Fr. 1442 to 1457 hr
SF 0 Clock(hrs)	AK-1	AK-1	AK-1			SF Fr. to hr
FS 0 Depth(ft)	4224.0	4224.0	4247.0	0.0	0.0	FS Fr. to hr

	Field	1	2	3	4	
A. Init Hydro	2031.0	2040.0	0.0	0.0	0.0	T STARTED 1215 hr
B. First Flow	33.0	56.0	0.0	0.0	0.0	T ON BOTM 1425 hr
Bl. Final Flow	11.0	26.0	0.0	0.0	0.0	T OPEN 1427 hr
C. In Shut-in	0.0	0.0	0.0	0.0	0.0	T PULLED 1457 hr
D. Init Flow	0.0	0.0	0.0	0.0	0.0	T OUT 1640 hr
E. Final Flow	0.0	0.0	0.0	0.0	0.0	
F. Fl Shut-in	177.0	220.0	0.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	2025.0	2034.0	0.0	0.0	0.0	Tool Wt. 0.00 lbs
Inside/Outside	I	I	O			Wt Set On Packer 25000.00 l
						Wt Pulled Loose 63000.00 lbs
						Initial Str Wt 50000.00 lbs
						Unseated Str Wt 50000.00 lbs
						Bot Choke 0.75 in
						Hole Size 7.88 in
						D Col. ID 2.25 in
						D. Pipe ID 3.80 i
						D.C. Length 0.00 ft
						D.P. Length 3609.00 ft
						H.W. I.D 2.70 in
						H.W. Length 600.00 ft

RECOVERY

Tot Fluid 5.00 ft of 0.00 ft in DC and 5.00 ft in DP
 5.00 ft of Drilling mud

RW 1.79 @ 72 F

SALINITY 3120.00 P.P.M. A.P.I. Gravity 0.00

BLOW DESCRIPTION

Initial Blow -

Weak surface blow, blew throughout

Initial Shutin -

No blow

*Pulled tool, no final blow or shutin.

SAMPLES:

SENT TO:

MUD DATA-----

Mud Type	Chemical
Weight	8.90 lb/c
Vis.	47.00 S
W.L.	8.80 in
F.C.	0.00 in
Mud Drop	

Amt. of fill	0.00 f'
Btm. H. Temp.	111.00 F

Hole Condition	
% Porosity	0.00
Packer Size	6.75 in
No. of Packers	2
Cushion Amt.	0.00
Cushion Type	
Reversed Out	
Tool Chased	

Tester	Shane McBride
Co. Rep.	Randall Killian
Contr.	Abercrombie
Rig #	8
Unit #	
Pump T.	

Test Successful: Y

1105B
IF#45D
85011

This is an actual photograph of recorder chart

TRILOBITE TESTING L.L.C.

OPERATOR : Pelican Hill Oil & Gas
WELL NAME: Scheetz #1
LOCATION : 22-11S-33W, Logan Cty KS
INTERVAL : 4260.00 To 4312.00 ft

DATE 11/17/95

KB	3145.00	ft	TICKET NO:	8482	DST #2
GR	3140.00	ft	FORMATION:	LKC "I-J"	
TD	4312.00	ft	TEST TYPE:	CONVENTIONAL	

RECORDED DATA

Mins			Field	1	2	3	4	TIME DATA-----
PF	30	Rec.	11058	11058	11057			PF Fr. 0655 to 0725 hr
SI	30	Range(Psi)	4475.0	4475.0	4500.0	0.0	0.0	IS Fr. 0725 to 0755 hr
SF	30	Clock(hrs)	AK-1	AK-1	AK-1			SF Fr. 0755 to 0825 hr
FS	45	Depth(ft)	4262.0	4262.0	4309.0	0.0	0.0	FS Fr. 0825 to 0910 hr

	Field	1	2	3	4			
A. Init Hydro	2076.0	2085.0	0.0	0.0	0.0	T STARTED	0515	hr
B. First Flow	111.0	116.0	0.0	0.0	0.0	T ON BOTM	0650	hr
B1. Final Flow	322.0	328.0	0.0	0.0	0.0	T OPEN	0655	hr
C. In Shut-in	941.0	943.0	0.0	0.0	0.0	T PULLED	0910	hr
D. Init Flow	400.0	391.0	0.0	0.0	0.0	T OUT	1200	hr
E. Final Flow	488.0	481.0	0.0	0.0	0.0			
F. Fl Shut-in	941.0	949.0	0.0	0.0	0.0	TOOL DATA-----		
G. Final Hydro	2065.0	2062.0	0.0	0.0	0.0	Tool Wt.		
Inside/Outside	I	I	O			Wt Set On Packer		26

RECOVERY

Tot Fluid 1240.00 ft of 0.00 ft in DC and 795.00 ft in DP
500.00 ft of Gas in pipe
280.00 ft of Gassy oil cut muddy water -
23% gas, 24% oil, 23% water, 30% mud
420.00 ft of Gassy watery mud cut oil -
30% gas, 10% oil, 40% water, 20% mud
540.00 ft of Salt water w/ trace oil - 100% water
6.00 ft of Pay (est)
RW .14 @ 65 F
SALINITY 52000.00 P.P.M. A.P.I. Gravity 36.00

TOOL DATA-----	
Tool Wt.	0.00 lbs
Wt Set On Packer	2600.00 lb
Wt Pulled Loose	62000.00 lbs
Initial Str Wt	42000.00 lbs
Unseated Str Wt	47000.00 lbs
Bot Choke	0.75 in
Hole Size	7.88 in
D Col. ID	2.25 in
D. Pipe ID	3.80 in
D.C. Length	0.00 ft
D.P. Length	3824.00 ft
H.W. I.D	2.70 in
H.W. Length	445.00 ft

BLOW DESCRIPTION

Initial Blow -
Bottom of bucket in 4 min

Initial Shutin -
Bled off blow, no return

Final Blow -
Bottom of bucket in 9 min

Final Shutin -
Bled off blow, return in 6 min, built
to 5.5", fair blow

SAMPLES:

SENT TO:

MUD DATA-----	
Mud Type	Chemical
Weight	8.90 lb/c
Vis.	48.00 S.
W.L.	8.80 in ³
F.C.	0.00 in
Mud Drop	

Amt. of fill	0.00	ft
Btm. H. Temp.	126.00	F
Hole Condition		
% Porosity	13.00	
Packer Size	6.75	in
No. of Packers	2	
Cushion Amt.	0.00	
Cushion Type		
Reversed Out		
Tool Chased		
Tester	Shane McBride	
Co. Rep.	Randall Kilian	
Contr.	Abercrombie	
Rig #		8
Unit #		
Pump T.		

Test Successful: Y

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

PELICAN HILL OIL & GAS

SCHEETZ #1

DST 2

22 11S 33W

LOGAN COUNTY

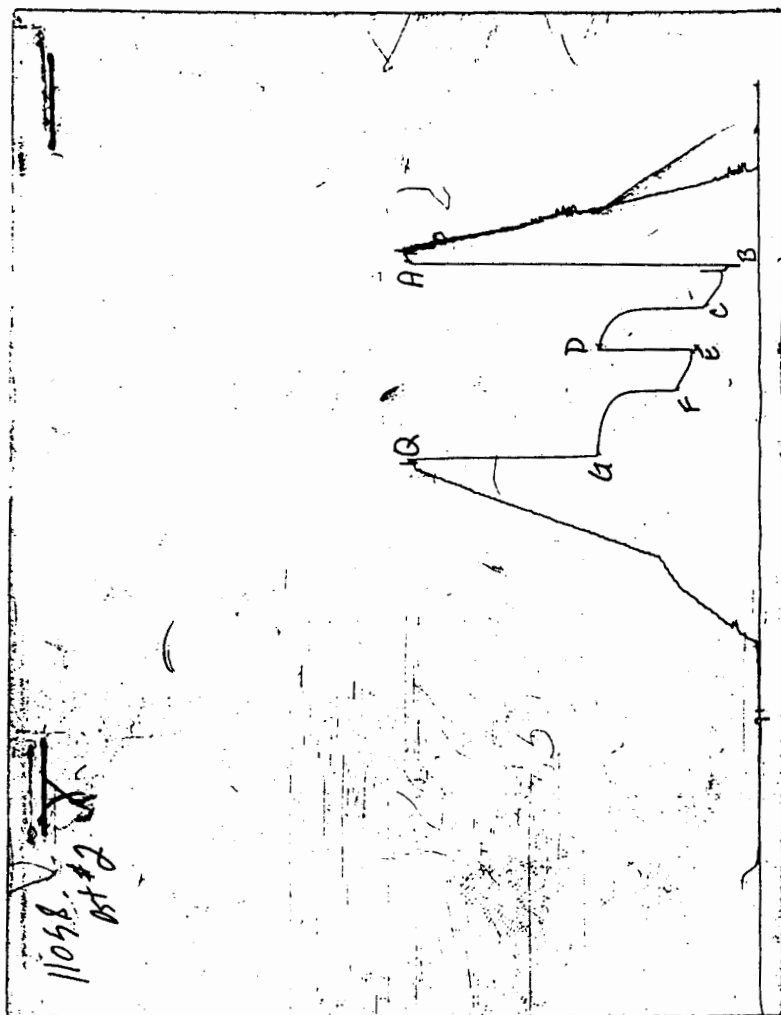
 ELEVATION: 3145 KB EST. PAY 6 FT
 DATUM: -1118 ZONE TESTED: LKC "I-J"
 TEST INTERVAL: 4260-4312 TIME INTERVALS: 30-30-30-45
 RECORDER DEPTH: 4262 VISCOSITY: 0.61 CP
 BOTTOM HOLE TEMP: 126 HOLE SIZE: 7.875 IN

CUBIC FEET OF GAS IN PIPE: 40
 TOTAL FEET OF RECOVERY: 1240.00 CORRECTED PIPE FILLUP: 1336.066
 TOTAL BARRELS OF RECOVERY: 14.42 CORR. BARRELS OF RECOVERY: 15.786 BBL
 BARRELS IN DRILL PIPE: 11.30 API GRAVITY: 36
 BARRELS IN WEIGHT PIPE: 3.12 FLUID GRADIENT: 0.366
 BARRELS IN DRILL COLLARS: 0.00
 GAS RATIO: 2.77 CU.FT/BBL
 BUBBLE POINT PRESSURE: 75
 UNCORRECTED INITIAL PRODUCTION: 346.08 BBL
 INITIAL PRODUCTION CORRECTED TO FINAL FLOW PRESSURE: 378.86 BBL/DAY
 INITIAL PRODUCTION CORRECTED TO PSEUDO STEADY FLOW STATE: 223.14

INITIAL SLOPE 272.30 PSI/CYCLE FINAL SLOPE 135.60 PSI/CYCLE
 INITIAL P* 1019.81 PSI FINAL P* 996.75 PSI

TRANSMISSIBILITY 454.30 (MD.-FT./CP.)
 PERMEABILITY 46.06 (MD.)
 INDICATED FLOW CAPACITY 276.35 (MD.FT)
 PRODUCTIVITY INDEX 0.51 (BBL/DAY/PSI)
 DAMAGE RATIO 0.69
 RADIUS OF INVESTIGATION 52.57 (FT.)
 POTENTIOMETRIC SURFACE 1194.46 (FT.)
 DRAWDOWN FACTOR 2.261 (%)

CHART PAGE



This is an actual photograph of recorder chart

INITIAL FLOW

DST # 2
RECORDER 11058

<>		
<u>TIME(MIN)</u>	<u>PRESSURE</u>	<u>PRESSURE</u>
0	115.6	115.6
3	183.3	67.8
6	215.6	32.2
9	215.6	0.0
12	218.9	3.3
15	225.6	6.7
18	245.6	20.0
21	258.9	13.3
24	274.4	15.6
27	292.2	17.8
30	310.0	17.8
33	327.8	17.8

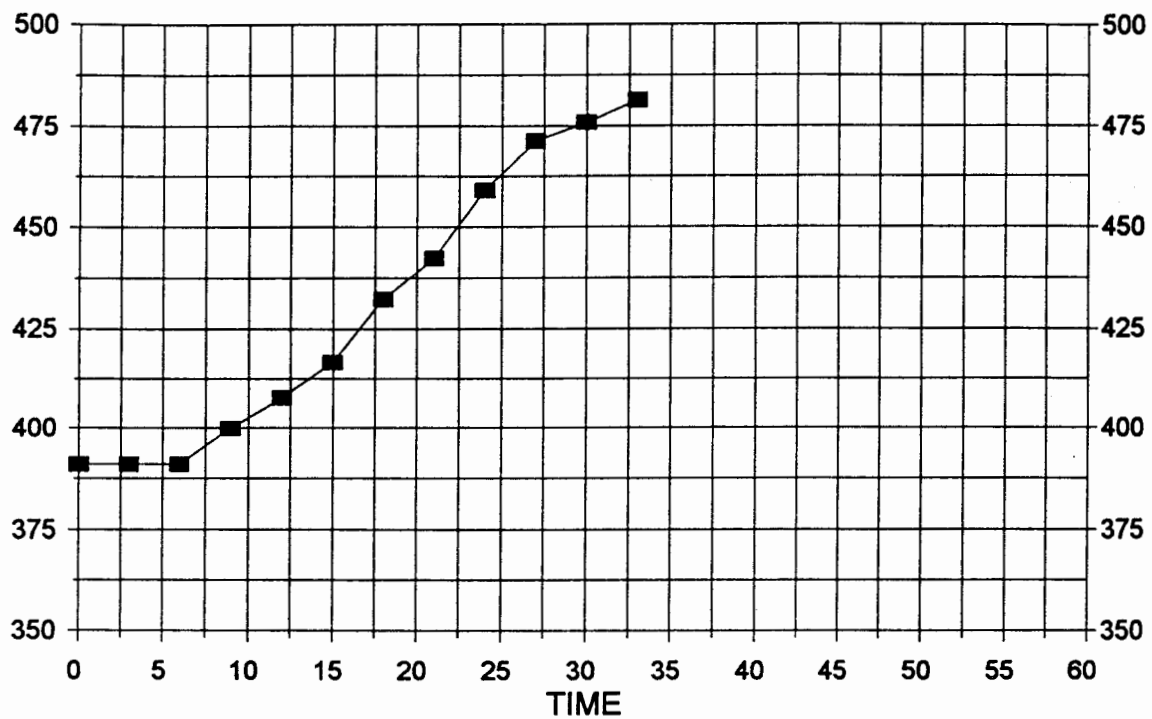
FINAL FLOW

DST # 2
RECORDER 11058

<>		
<u>TIME(MIN)</u>	<u>PRESSURE</u>	<u>PRESSURE</u>
0	391.1	391.1
3	391.1	0.0
6	391.1	0.0
9	400.0	8.9
12	407.8	7.8
15	416.7	8.9
18	432.2	15.6
21	442.2	10.0
24	459.0	16.8
27	471.3	12.3
30	475.8	4.5
33	481.4	5.6

DELTA T DELTA P

FINAL FLOW / DST #2



INITIAL PRODUCTION CORRECTED TO PSEUDO STEADY FLOW STATE:

223.1431

INITIAL SHUT-IN

SCHEETZ #1

DST # 2

INITIAL FLOW TIME 30

SLOPE

272.3

PSI/CYCLE

P*

1019.81

PSI

	<u>TIME(MIN)</u>	<u>Pws (psi)</u>	Log <u>Horn T</u>	<> <u>PRESSURE</u>	<u>Horn T</u>
	3	797.5	1.041	797.5	11
	6	835.9	0.778	38.4	6
	9	866.5	0.637	30.6	4
	12	890.3	0.544	23.8	4
	15	895.9	0.477	5.7	3
Q	18	903.8	0.426	7.9	3
	21	917.4	0.385	13.5	2
	24	925.3	0.352	7.9	2
	27	934.3	0.325	9.0	2
	30	938.8	0.301	4.5	2
X	33	943.3	0.281	4.5	2

FINAL SHUT-IN

SCHEETZ #1

DST # 2

TOTAL FLOW TIME 60

SLOPE

135.6

PSI/CYCLE

P*

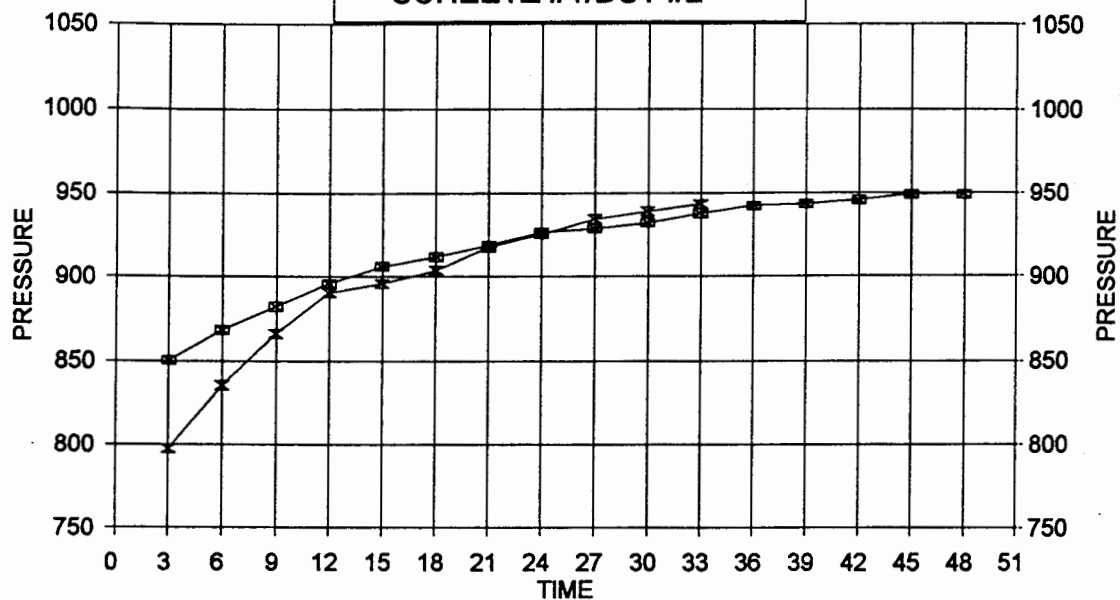
996.75

PSI

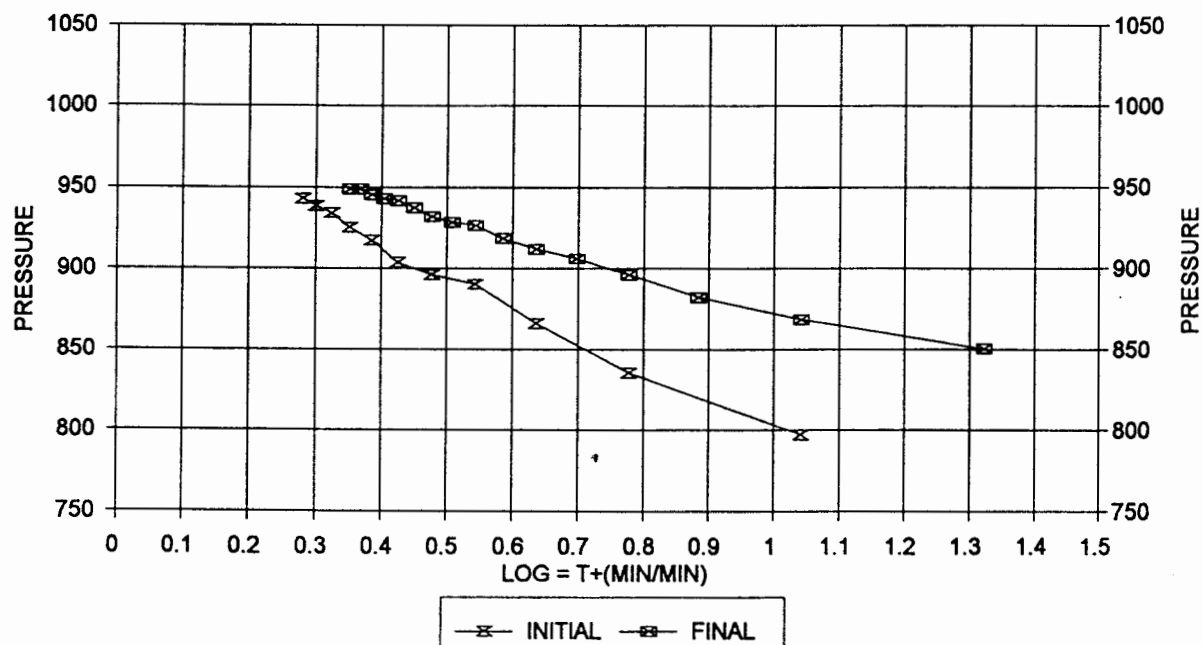
	<u>TIME(MIN)</u>	<u>Pws (psi)</u>	Log <u>Horn T</u>	<> <u>PRESSURE</u>	<u>Horn T</u>
	3	850.6	1.322	850.6	21
	6	868.8	1.041	18.1	11
	9	882.3	0.885	13.6	8
	12	895.9	0.778	13.6	6
	15	906.1	0.699	10.2	5
	18	911.7	0.637	5.6	4
	21	918.5	0.586	6.8	4
	24	926.4	0.544	7.9	4
	27	928.7	0.508	2.3	3
Q	30	932.1	0.477	3.4	3
	33	937.7	0.450	5.6	3
	36	942.2	0.426	4.5	3
	39	943.3	0.405	1.1	3
	42	945.6	0.385	2.3	2
	45	949.0	0.368	3.4	2
X	48	949.0	0.352	0.0	2

DELTA T DELTA P

SCHEETZ #1/DST #2



HORNER PLOT



CALCULATED RECOVERY ANALYSIS

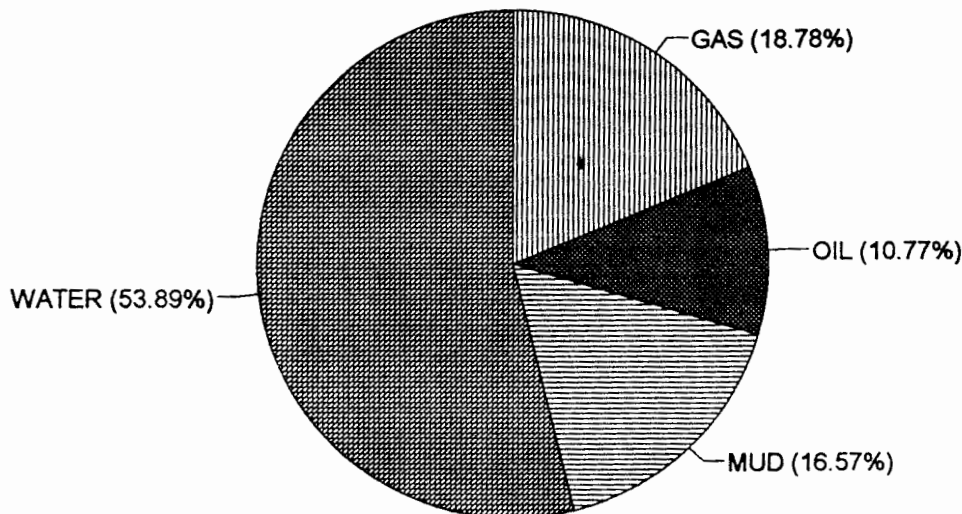
DST # 2

TICKET # 8482

SAM	E	TOTAL	GAS		OIL		WATER		MUD	
	#	FEET	%	FEET	%	FEET	%	FEET	%	FEET
HILL PIPE	1	280	23	64.4	24	67.2	23	64.4	30	84
	2	420	30	126	10	42	40	168	20	84
	3	95		0		0	100	95		0
	4			0		0		0		0
	5			0		0		0		0
	6			0		0		0		0
LIGHT PIPE	1	445		0		0	100	445		0
	2			0		0		0		0
	3			0		0		0		0
	4			0		0		0		0
RL COLLAR	1			0		0		0		0
	2			0		0		0		0
	3			0		0		0		0
	4			0		0		0		0
	5			0		0		0		0
TOTAL		1240	15.35484	190.4	8.806452	109.2	62.29032	772.4	13.54839	168

HRS OPE BBL/DAY

BBL OIL= 1.552824 * 1.00 37.26778
 3L W/ TR= 7.770628 * 186.4951
 BBL MUD= 2.38896
 3BL GAS = 2.707488



TRILOBITE TESTING L.L.C.

OPERATOR : Pelican Hill Oil & Gas
WELL NAME: Scheetz #1
LOCATION : 22-11S-33W, Logan Cty KS
INTERVAL : 4308.00 To 4365.00 ft

DATE 11/17/95
KB 3145.00 ft TICKET NO: 8483 DST #3
GR 3140.00 ft FORMATION: LKC "K-L"
TD 4365.00 ft TEST TYPE: CONVENTIONAL

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 30 Rec.	11058	11058	11057			PF Fr. 0040 to 0110 hr
SI 30 Range(Psi)	4475.0	4475.0	4500.0	0.0	0.0	IS Fr. 0110 to 0140 hr
SF 45 Clock(hrs)	AK-1	AK-1	AK-1			SF Fr. 0140 to 0225 hr
FS 60 Depth(ft)	4310.0	4310.0	4362.0	0.0	0.0	FS Fr. 0225 to 0325 hr

	Field	1	2	3	4	
A. Init Hydro	2121.0	2132.0	0.0	0.0	0.0	T STARTED 2230 hr
B. First Flow	83.0	89.0	0.0	0.0	0.0	T ON BOTM 0035 hr
Bl. Final Flow	72.0	81.0	0.0	0.0	0.0	T OPEN 0040 hr
C. In Shut-in	748.0	743.0	0.0	0.0	0.0	T PULLED 0325 hr
D. Init Flow	83.0	93.0	0.0	0.0	0.0	T OUT hr
E. Final Flow	66.0	89.0	0.0	0.0	0.0	
F. Fl Shut-in	737.0	743.0	0.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	2058.0	2095.0	0.0	0.0	0.0	Tool Wt. 0.00 lbs
Inside/Outside	I	I	O			Wt Set On Packer 26000.00 lbs
						Wt Pulled Loose 54000.00 l'
						Initial Str Wt 42000.00 lbs
						Unseated Str Wt 42000.00 lbs
						Bot Choke 0.75 in
						Hole Size 7.88 in
						D Col. ID 2.25 in
						D. Pipe ID 3.80 in
						D.C. Length 0.00 f
						D.P. Length 3849.00 ft
						H.W. I.D 2.70 in
						H.W. Length 445.00 ft

RECOVERY

Tot Fluid 60.00 ft of 0.00 ft in DC and 60.00 ft in DP
1.00 ft of Free oil - 100% oil
29.00 ft of Slightly oil cut mud - 5% oil, 95% mud
30.00 ft of Drilling mud

RW 1.5 @ 66 F

SALINITY 4150.00 P.P.M. A.P.I. Gravity 0.00

BLOW DESCRIPTION

Initial Blow -
Surface blow built to 1.5"

Initial Shutin -
Bled off blow, no return

Final Blow -
Weak surface blow, built to .125"

Final Shutin -
Bled blow, no return

SAMPLES:

SENT TO:

MUD DATA-----

Mud Type	Chemical
Weight	8.80 lb/c
Vis.	52.00 S/L
W.L.	10.40 i
F.C.	0.00 in
Mud Drop	

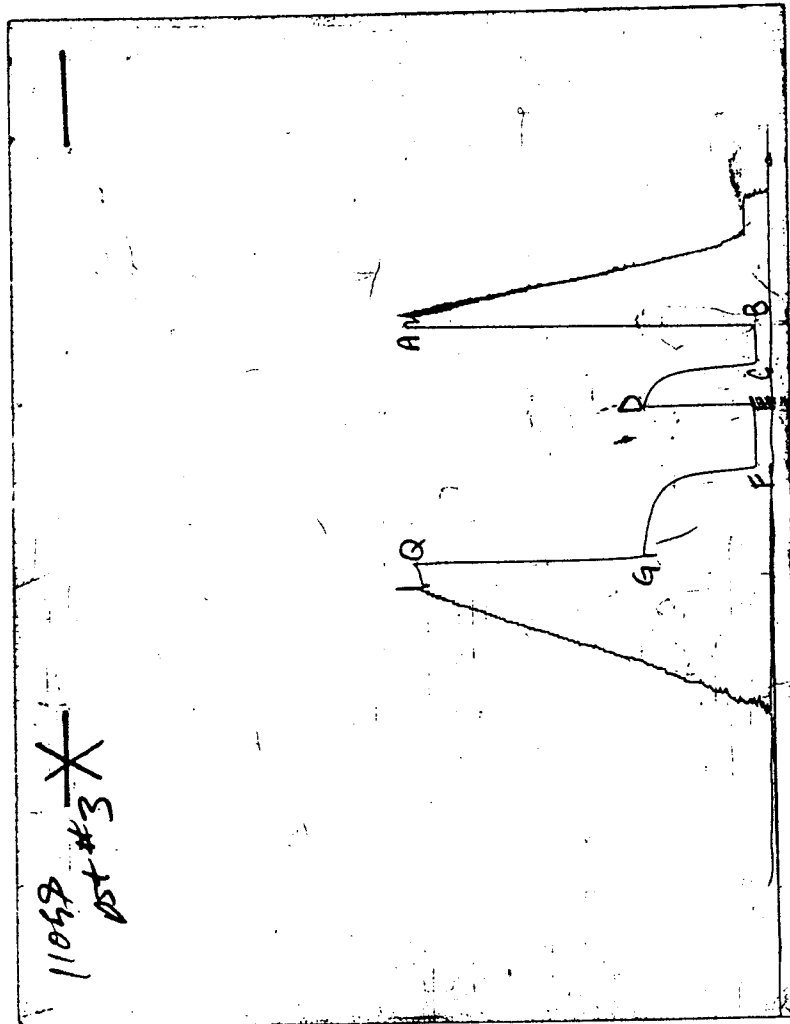
Amt. of fill	0.00 ft
Btm. H. Temp.	110.00 F

Hole Condition	
% Porosity	0.00
Packer Size	6.75 in
No. of Packers	2
Cushion Amt.	0.00
Cushion Type	
Reversed Out	
Tool Chased	

Tester	Shane McBride
Co. Rep.	Randall Kilian
Contr.	Abercrombie
Rig #	8
Unit #	
Pump T.	

Test Successful: Y

CHART PAGE



This is an actual photograph of recorder chart

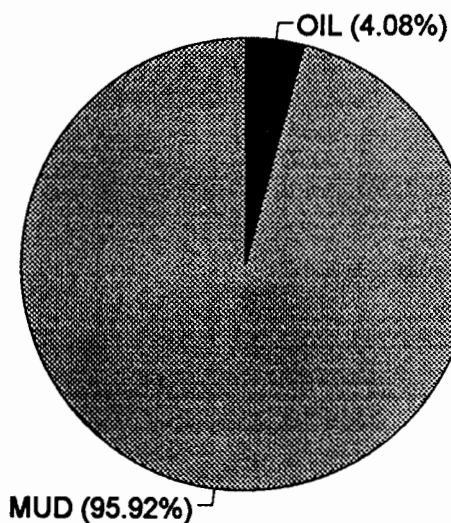
CALCULATED RECOVERY ANALYSIS WEIGHT PIPE

DST # 3

TICKET # 8483

SAMPLE #	TOTAL FEET	GAS		OIL		WATER		MUD	
		%	FEET	%	FEET	%	FEET	%	FEET
1	1		0	100	1		0		0
2	29		0	5	1.45		0	95	27.55
3	30		0		0		0	100	30
4			0		0		0		0
5			0		0		0		0
TOTAL	60	0	0	4.083333	2.45	0	0	95.91667	57.55

BBL OIL=	0.01715	*	HRS OPE BBL/DAY
BBL WAT	0	*	1.25 0.32928
BBL MUD	0.40285		0
BBL GAS	0		



TRILOBITE TESTING L.L.C.

OPERATOR : Pelican Hill Oil & Gas

DATE 11/19/95

WELL NAME: Scheetz #1

KB 3145.00 ft

TICKET NO: 8484

DST #4

CATION : 22-11S-33W, Logan Cty KS

GR 3140.00 ft

FORMATION: Johnson

INTERVAL : 4591.00 To 4675.00 ft

TD 4675.00 ft

TEST TYPE: CONVENTIONAL

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 15 Rec.	11058	11058	11057			PF Fr. 0940 to 0955 hr
SI 15 Range(Psi)	4475.0	4475.0	4500.0	0.0	0.0	IS Fr. 0955 to 1010 hr
SF 15 Clock(hrs)	AK-1	AK-1	AK-1			SF Fr. 1010 to 1025 hr
FS 60 Depth(ft)	4624.0	4624.0	4672.0	0.0	0.0	FS Fr. 1025 to 1125 hr

	Field	1	2	3	4	
A. Init Hydro	2289.0	2309.0	0.0	0.0	0.0	T STARTED 0820 hr
B. First Flow	61.0	67.0	0.0	0.0	0.0	T ON BOTM 0935 hr
R1. Final Flow	55.0	73.0	0.0	0.0	0.0	T OPEN 0940 hr
In Shut-in	782.0	785.0	0.0	0.0	0.0	T PULLED 1125 hr
D. Init Flow	61.0	73.0	0.0	0.0	0.0	T OUT hr
E. Final Flow	55.0	77.0	0.0	0.0	0.0	
F. Fl Shut-in	963.0	968.0	0.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	2266.0	2258.0	0.0	0.0	0.0	Tool Wt. 0.00 lbs
side/Outside	I	I	O			Wt Set On Packer 26000.00 lbs
						Wt Pulled Loose 76000.00 lbs
						Initial Str Wt 44000.00 lbs
						Unseated Str Wt 44000.00 lbs
						Bot Choke 0.75 in
						Hole Size 7.88 in
						D Col. ID 2.25 in
						D. Pipe ID 3.80 in
						D.C. Length 0.00 ft
						D.P. Length 4133.00 ft
						H.W. I.D 2.70 in
						H.W. Length 445.00 ft

RECOVERY

Tot Fluid 30.00 ft of 0.00 ft in DC and 30.00 ft in DP
30.00 ft of Slightly oil cut mud - 2% oil, 98% mud

RW 1.4 @ 65 F

SALINITY 4700.00 P.P.M. A.P.I. Gravity 0.00

BLOW DESCRIPTION

Initial Blow -
Surface blow, built to .5"

Initial Shutin -
Bled blow, no return

Final Blow -
Weak surface blow, blew throughout

Final Shutin -
No return

SAMPLES:

SENT TO:

MUD DATA-----

Mud Type	Chemical
Weight	9.30 lb/c
Vis.	51.00 S/L
W.L.	9.60 in3
F.C.	0.00 in

Mud Drop

Amt. of fill	0.00 ft
Btm. H. Temp.	115.00 F
Hole Condition	
% Porosity	0.00
Packer Size	6.75 in
No. of Packers	2
Cushion Amt.	0.00

Cushion Type

Reversed Out

Tool Chased

Tester Shane McBride

Co. Rep. Randall Kilian

Contr. Abercrombie

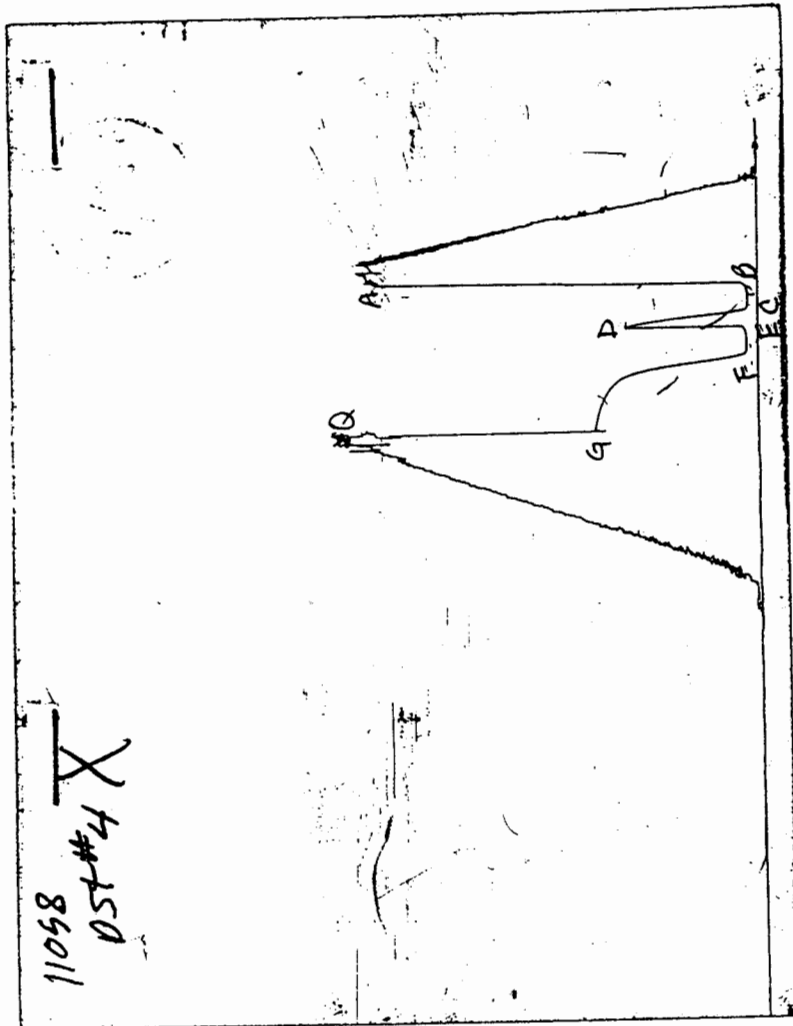
Rig # 8

Unit #

Pump T.

Test Successful: Y

CHART PAGE



This is an actual photograph of recorder chart

CALCULATED RECOVERY ANALYSIS WEIGHT PIPE

DST # 4

TICKET # 8484

SAMPLE #	TOTAL FEET	GAS		OIL		WATER		MUD	
		%	FEET	%	FEET	%	FEET	%	FEET
1	30		0	2	0.6		0	98	29.4
2			0		0		0		0
3			0		0		0		0
4			0		0		0		0
5			0		0		0		0
TOTAL	30	0	0	2	0.6	0	0	98	29.4

BBL OIL=	0.0042	*	HRS OPE	BBL/DAY
BBL WAT	0	*	0.50	0.2016
BBL MUD	0.2058			0
BBL GAS	0			

