

TRILOBITE TESTING L.L.C.

OPERATOR : Marmik Oil Co.

DATE 01-20-199

WELL NAME: Snake Creek Rd. #1-6

KB 1768.00 ft

TICKET NO: 11476

DST #1

LOCATION : 6-35s-20w Comanche co KS

GR 0.00 ft

FORMATION: Elgin Sd.

INTERVAL : 4146.00 To 4155.00 ft

TD 4155.00 ft

TEST TYPE: CONV

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 20 Rec.	11085	11085	3027			PF Fr. 1910 to 1930 hr
SI 0 Range(Psi)	4300.0	4300.0	4995.0	0.0	0.0	IS Fr. to hr
SF 0 Clock(hrs)	12hr	12	elec			SF Fr. to hr
FS 0 Depth(ft)	4132.0	4132.0	4148.0	0.0	0.0	FS Fr. to hr

	Field	1	2	3	4	
A. Init Hydro	0.0	0.0	1986.0	0.0	0.0	T STARTED 1710 hr
B. First Flow	0.0	0.0	98.0	0.0	0.0	T ON BOTM 1907 hr
B1. Final Flow	0.0	0.0	100.0	0.0	0.0	T OPEN 1910 hr
C. In Shut-in	0.0	0.0	0.0	0.0	0.0	T PULLED 1930 hr
D. Init Flow	0.0	0.0	0.0	0.0	0.0	T OUT 2130 hr
E. Final Flow	0.0	0.0	0.0	0.0	0.0	
F. Fl Shut-in	0.0	0.0	0.0	0.0	0.0	
G. Final Hydro	0.0	0.0	1964.0	0.0	0.0	
Inside/Outside	o	o	i			

TOOL DATA-----

Tool Wt.	2800.00 lbs
Wt Set On Packer	20000.00 lbs
Wt Pulled Loose	125000.00 lbs
Initial Str Wt	72000.00 lbs
Unseated Str Wt	72000.00 lbs
Bot Choke	0.75 in
Hole Size	7.78 in
D Col. ID	2.25 in
D. Pipe ID	3.80 in
D.C. Length	362.00 ft
D.P. Length	3784.00 ft

RECOVERY

Tot Fluid 100.00 ft of 100.00 ft in DC and 0.00 ft in DP

100.00 ft of mud

0.00 ft of

0.00 ft of

0.00 ft of

0.00 ft of

0.00 ft of

0.00 ft of

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

BLOW DESCRIPTION

Initial Flow:

Weak blow throughout 1" to 2 1/2"

MUD DATA-----

Mud Type	chemical
Weight	9.00 lb/c
Vis.	46.00 S/L
W.L.	11.00 in3
F.C.	0.00 in
Mud Drop	

Amt. of fill	0.00 ft
Btm. H. Temp.	0.00 F
Hole Condition	bad
% Porosity	0.00
Packer Size	6.75 in
No. of Packers	2
Cushion Amt.	0.00
Cushion Type	
Reversed Out	
Tool Chased Y	20.00 ft
Tester	Ray Schwager
Co. Rep.	Brad Rine
Contr.	Abercrombie
Rig #	5
Unit #	
Pump T.	

SAMPLES:

SENT TO:

Test Successful: N

*** TOOL DIAGRAM *** CONV

WELL NAME: Snake Creek Rd. #1-6

LOCATION : 6-35s-20w Comanche co KS

TICKET No. 11476 D.S.T. No. 1 DATE 01-20-199

TOTAL TOOL TO BOTTOM OF TOP PACKERS 33

INTERVAL TOOL

BOTTOM PACKERS AND ANCHOR 9

TOTAL TOOL 42

DRILL COLLAR ANCHOR IN INTERVAL

D.C. ANCHOR STND.Stands Single Total

D.P. ANCHOR STND.Stands Single Total

TOTAL ASSEMBLY

D.C. ABOVE TOOLS.Stands4 Single Total 362

D.P. ABOVE TOOLS.Stands41 Single 2 Total 3782

TOTAL DRILL COLLARS DRILL PIPE & TOOLS .. 4186

TOTAL DEPTH 4155

TOTAL DRILL PIPE ABOVE K.B. 31

REMARKS:

Had approx.20'of fill in hole,sliding during open ,pulled tool loose ,came out of hole.

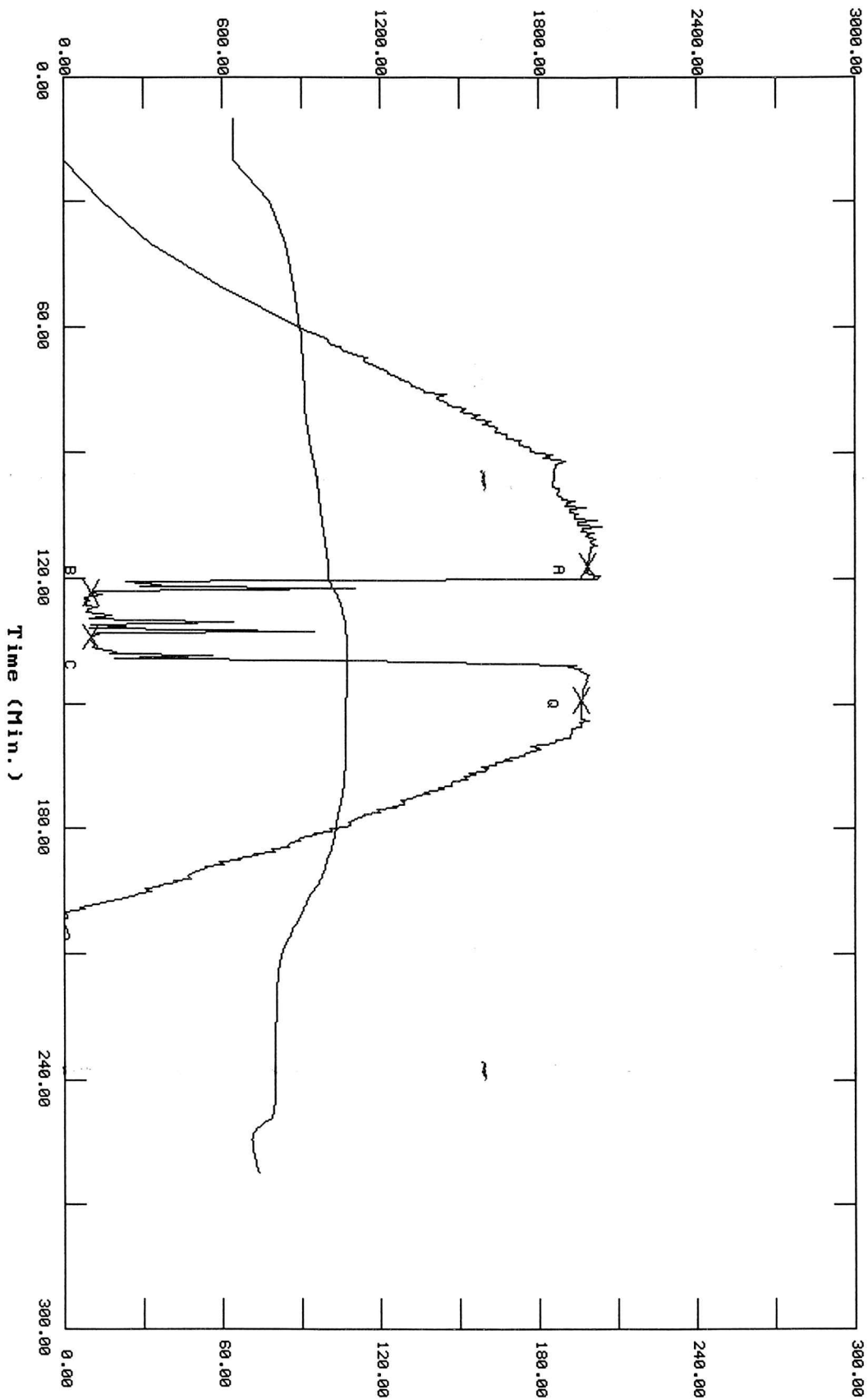
P.O. SUB	4019
C.O. SUB	4109
S.I. TOOL	4117
HMV	4122
JARS	4127
AP-carrior	4132
SAFETY JOINT	4137
PACKER	4141
PACKER	4146
DEPTH	
STUBB	4147
ANCHOR	
Alpine@4148	
AK-1 @4132	
T.C.	
DEPTH	
5'perf	4152
BULLNOSE 3'bullplug	4155
T.D.	4155

TEST HISTORY

11476 DST#1 Snake Creek Rd. Marmik Oil Co.

Flag Points

t (Min.)	P (PSig)
A: 0.00	1986.31
B: 0.00	98.62
C: 10.50	100.26
D: 0.00	1964.98



TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Test Ticket

No 11476

Well Name & No. SNAKE CREEK RD # 1-6 Test No. 1 Date 1-20-99
Company MARMIK OIL Co. Zone Tested Elgin Sd.
Address _____ Elevation 1768 KB _____ GL _____
Co. Rep / Geo. BRAD RINE Cont. ABERCROMBIE rig 5 Est. Ft. of Pay - Por. - %
Location: Sec. 6 Twp. 35^s Rge. 20^w Co. Comanche State Ks.
No. of Copies Req Distribution Sheet (Y, N) N Turnkey (Y, N) N Evaluation (Y, N) N

Interval Tested 4146 - 4155 Initial Str Wt./Lbs. 72000 Unseated Str Wt./Lbs. 72000
Anchor Length 9 Wt. Set Lbs. 20000 Wt. Pulled Loose/Lbs. 125000
Top Packer Depth 4141 Tool Weight 2800
Bottom Packer Depth 4146 Hole Size — 7 7/8" yes Rubber Size — 6 3/4" yes
Total Depth 4155 Wt. Pipe Run - Drill Collar Run 362
Mud Wt. 9 LCM 1st Vis. 46 WL 11 Drill Pipe Size 4 1/2 XH Ft. Run 3784
Blow Description IFP-WEAK BLOW THROUGHOUT 1" To 2 1/2" BLOW

HAD approx 20 ft. of fill in Hole, sliding during open, pulled Tool
Loose came out of Hole

Recovery — Total Feet 100 GIP - Ft. in DC 100 Ft. in DP -
Rec. 100 Feet Of Mud %gas %oil %water %mud
Rec. _____ Feet Of _____ %gas %oil %water %mud
Rec. _____ Feet Of _____ %gas %oil %water %mud
Rec. _____ Feet Of _____ %gas %oil %water %mud
Rec. _____ Feet Of _____ %gas %oil %water %mud
BHT 107 °F Gravity - °API D@ - °F Corrected Gravity - °API
RW - @ - °F Chlorides - ppm Recovery Chlorides 8000 ppm System

	AK-1	Alpine	PSI	Recorder No.	T-On Location
(A) Initial Hydrostatic Mud		<u>1986</u>		<u>3027</u>	<u>1530</u>
(B) First Initial Flow Pressure		<u>98</u>	PSI (depth)	<u>4148</u>	T-Started <u>1710</u>
(C) First Final Flow Pressure		<u>100</u>	PSI Recorder No.	<u>11085</u>	T-Open <u>1910</u>
(D) Initial Shut-In Pressure		<u>-</u>	PSI (depth)	<u>4132</u>	T-Pulled <u>1930</u>
(E) Second Initial Flow Pressure		<u>-</u>	PSI Recorder No.	<u>-</u>	T-Out <u>2130</u>
(F) Second Final Flow Pressure		<u>-</u>	PSI (depth)	<u>-</u>	T-Off Location _____
(G) Final Shut-in Pressure		<u>-</u>	PSI Initial Opening	<u>20</u>	Test ☒ <u>750</u>
(Q) Final Hydrostatic Mud		<u>1964</u>	PSI Initial Shut-in	_____	Jars ☒ <u>200</u>
			Final Flow	_____	Safety Joint ☒ <u>30</u>
			Final Shut-in	_____	Straddle _____
					Circ. Sub _____
					Sampler _____
					Extra Packer _____
					Elec. Rec. ☒ <u>150</u>
					Mileage _____
					Other _____
					TOTAL PRICE \$ ☒ <u>1100</u>

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 Brad Rine

Our Representative RAY SCHWAGER THANK YOU

TRILOBITE TESTING L.L.C.

OPERATOR : Marmik Oil Co.

DATE 01-21-199

WELL NAME: Snake Creek Rd.#1-6

KB 1768.00 ft

TICKET NO: 11477

DST #2

LOCATION : 6-35s-20w Comanche co KS

GR 0.00 ft

FORMATION: Elgin SD.

INTERVAL : 4146.00 To 4155.00 ft

TD 4155.00 ft

TEST TYPE: CONV

RECORDER DATA

Mins		Field	1	2	3	4	TIME DATA-----
PF 30	Rec.	11085	11085	3027			PF Fr. 0520 to 0550 hr
SI 60	Range(Psi)	4300.0	4300.0	4995.0	0.0	0.0	IS Fr. 0550 to 0650 hr
SF 60	Clock(hrs)	12hr	12	elec			SF Fr. 0650 to 0750 hr
FS 90	Depth(ft)	4132.0	4132.0	4148.0	0.0	0.0	FS Fr. 0750 to 0920 hr

	Field	1	2	3	4	
A. Init Hydro	1950.0	1950.0	2003.0	0.0	0.0	T STARTED 0303 hr
B. First Flow	44.0	44.0	38.0	0.0	0.0	T ON BOTM 0517 hr
B1. Final Flow	77.0	77.0	108.0	0.0	0.0	T OPEN 0520 hr
C. In Shut-in	1560.0	1560.0	1604.0	0.0	0.0	T PULLED 0920 hr
D. Init Flow	121.0	121.0	117.0	0.0	0.0	T OUT 1125 hr
E. Final Flow	154.0	154.0	166.0	0.0	0.0	
F. Fl Shut-in	1549.0	1549.0	1594.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	1950.0	1950.0	1954.0	0.0	0.0	Tool Wt. 2800.00 lbs
Inside/Outside	o	o	i			Wt Set On Packer 20000.00 lbs
						Wt Pulled Loose 120000.00 lbs
						Initial Str Wt 72000.00 lbs
						Unseated Str Wt 72000.00 lbs
						Bot Choke 0.75 in
						Hole Size 7.78 in
						D Col. ID 2.25 in
						D. Pipe ID 3.80 in
						D.C. Length 362.00 ft
						D.P. Length 3756.00 ft

RECOVERY

Tot Fluid 420.00 ft of 362.00 ft in DC and 58.00 ft in DP

3390.00 ft of gas in pipe

50.00 ft of Heavy oil and gas cut mud

0.00 ft of 58% gas 20% oil 22% mud

190.00 ft of Gassy muddy oil 73% gas 17% oil 10% mud

90.00 ft of Slight oil cut muddy water

0.00 ft of 1% oil 94% water 5% mud

90.00 ft of Water

0.00 ft of

SALINITY 96000.00 P.P.M. A.P.I. Gravity 0.00

BLOW DESCRIPTION

Initial Flow:

Weak building to a strong blow in 14 mins.

Final Flow:

Weak building to a strong blow in 4 mins.

SAMPLES:

SENT TO:

MUD DATA-----

Mud Type	CHEMICAL
Weight	9.00 lb/c
Vis.	46.00 S/L
W.L.	8.80 in3
F.C.	0.00 in
Mud Drop	

Amt. of fill	0.00 ft
Btm. H. Temp.	108.00 F
Hole Condition	fair
% Porosity	0.00
Packer Size	6.75 in
No. of Packers	2
Cushion Amt.	0.00
Cushion Type	
Reversed Out N	
Tool Chased Y	3.00 ft
Tester	Ray Schwager
Co. Rep.	Brad Rine
Contr.	Abercrombie
Rig #	5
Unit #	
Pump T.	

Test Successful: Y

*** TOOL DIAGRAM *** CONV

WELL NAME: Snake Creek Rd.#1-6

LOCATION : 6-35s-20w Comanche co KS

TICKET No. 11477 D.S.T. No. 2 DATE 01-21-199

TOTAL TOOL TO BOTTOM OF TOP PACKERS 33

INTERVAL TOOL

BOTTOM PACKERS AND ANCHOR 9

TOTAL TOOL 42

DRILL COLLAR ANCHOR IN INTERVAL

D.C. ANCHOR STND.Stands Single Total

D.P. ANCHOR STND.Stands Single Total

TOTAL ASSEMBLY

D.C. ABOVE TOOLS.Stands4 Single Total 362

D.P. ABOVE TOOLS.Stands41 Single 2 Total 3782

TOTAL DRILL COLLARS DRILL PIPE & TOOLS .. 4186

TOTAL DEPTH 4155

TOTAL DRILL PIPE ABOVE K.B. 31

REMARKS:

slid tool approx.3'to bottom after tool open

P.O. SUB	4019
C.O. SUB	4109
S.I. TOOL	4117
HMV	4122
JARS	4127
AP-carrior	4132
SAFETY JOINT	4137
PACKER	4141
PACKER	4146
DEPTH	
STUBB	4147
ANCHOR	
Alpine@4148	
AK-1 @4132	
T.C.	
DEPTH	
5'perf	4152
BULLNOSE 3'bullplug	4155
T.D.	4155

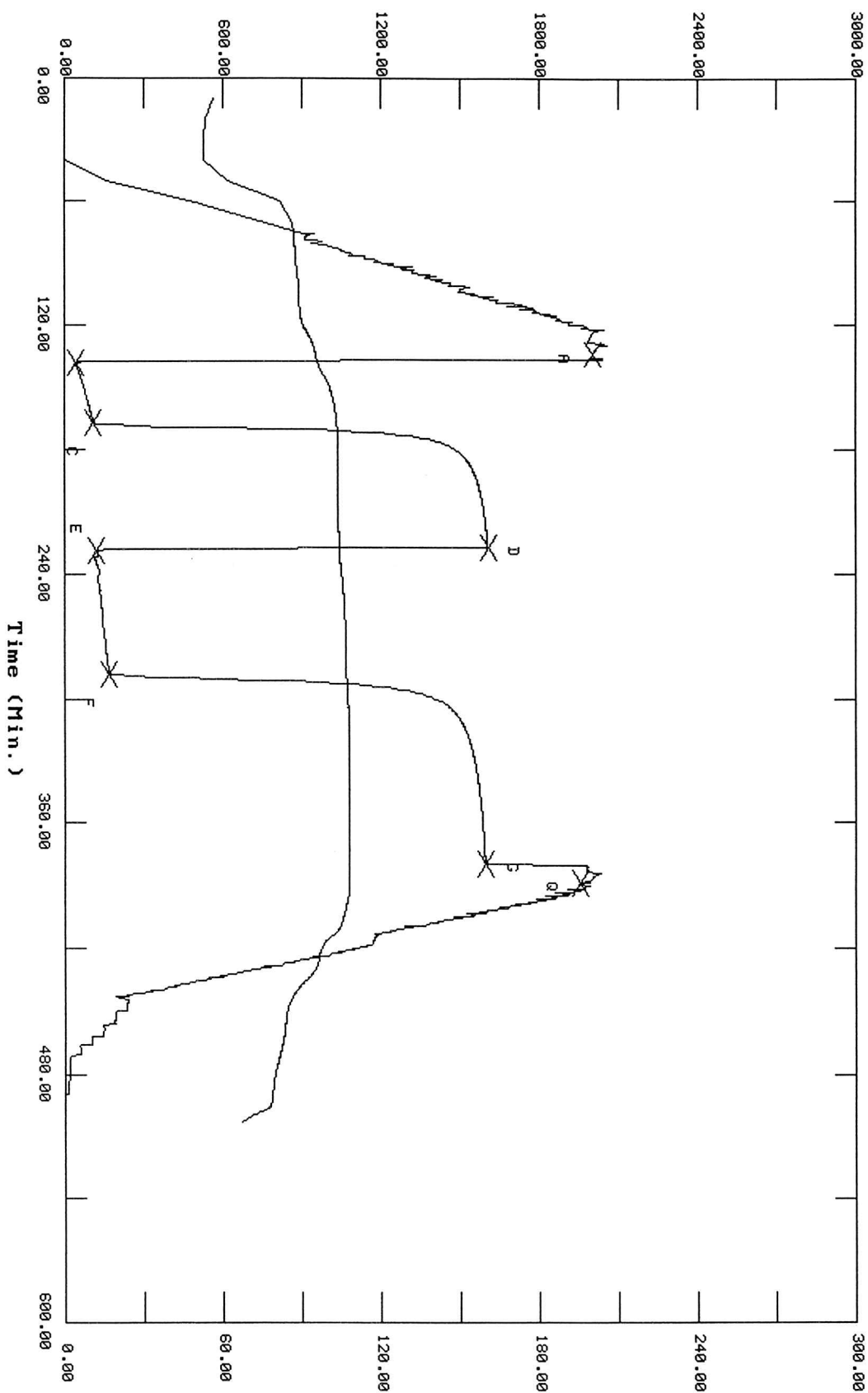
TEST HISTORY

11477 DST#2 Snake Creek Rd. #1-6 Marmik Oil Co.

Flag Points

t (Min.) P (PSig)

A:	0.00	2003.39
B:	0.00	38.98
C:	29.00	108.31
D:	60.00	1604.79
E:	0.00	117.52
F:	59.50	166.47
G:	91.50	1594.45
H:	0.00	1954.06

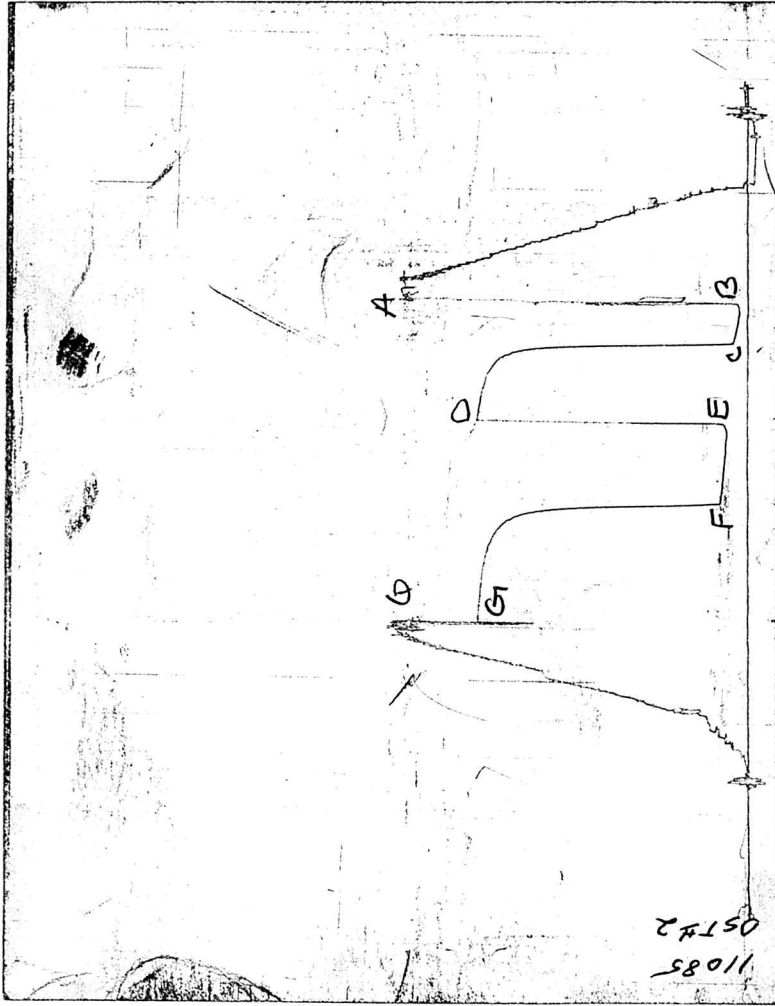


Pressure (PSig)

Temperature (DEG F)

Time (Min.)

CHART PAGE



This is a photocopy of the actual AK-1 recorder chart

TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Test Ticket

No 11477

Well Name & No.	<u>SNAKE CREEK RD. #1-6</u>	Test No.	<u>2</u>	Date	<u>1-21-99</u>
Company	<u>MARMIK OIL CO.</u>	Zone Tested	<u>Elgin Sd.</u>		
Address		Elevation	<u>1768</u>	KB	<u>GL</u>
Co. Rep / Geo.	<u>BRAD RINE</u>	Cont.	<u>Abecrombie 1195</u>	Est. Ft. of Pay	<u>-</u> Por. <u>-</u> %
Location: Sec.	<u>6</u>	Twp.	<u>35</u>	Rge.	<u>20</u> Co. <u>Comanche</u> State <u>OK</u>
No. of Copies	<u>Reg</u>	Distribution Sheet (Y, N)		Turnkey (Y, N)	
		Evaluation (Y, N)			

Interval Tested	<u>4146 - 4155</u>	Initial Str Wt./Lbs.	<u>72000</u>	Unseated Str Wt./Lbs.	<u>72000</u>
Anchor Length	<u>9</u>	Wt. Set Lbs.	<u>20000</u>	Wt. Pulled Loose/Lbs.	<u>125000</u>
Top Packer Depth	<u>4141</u>	Tool Weight	<u>2800</u>		
Bottom Packer Depth	<u>4146</u>	Hole Size — 7 7/8"	<u>yes</u>	Rubber Size — 6 3/4"	<u>yes</u>
Total Depth	<u>4155</u>	Wt. Pipe Run	<u>-</u>	Drill Collar Run	<u>362</u>
Mud Wt.	<u>9</u>	Drill Pipe Size	<u>4 1/2 XH</u>	Ft. Run	<u>3782</u>
LCM	<u>14</u>	Vis.	<u>46</u>	WL	<u>8.8</u>
Blow Description	<u>IFP - WEAK building TO A STRONG BLOW IN 14 MIN</u> <u>IFP - WEAK building TO A STRONG BLOW IN 4 MIN</u> <u>HADA BLOW BACK ON SHUT-IN</u>				

Recovery — Total Feet	<u>420</u>	GIP	<u>3390</u>	Ft. in DC	<u>362</u>	Ft. in DP	<u>58</u>
Rec.	<u>50</u>	Feet Of	<u>H D + GCM</u>	<u>58</u>	%gas	<u>20</u>	%oil
Rec.	<u>190</u>	Feet Of	<u>GMO</u>	<u>73</u>	%gas	<u>17</u>	%oil
Rec.	<u>90</u>	Feet Of	<u>SOCMW</u>		%gas	<u>1</u>	%oil
Rec.	<u>90</u>	Feet Of	<u>WATER</u>		%gas		%oil
Rec.		Feet Of			%gas		%oil
BHT	<u>108</u>	°F Gravity	<u>-</u>	°API D@	<u>-</u>	°F Corrected Gravity	<u>-</u>
RW	<u>.09</u>	@	<u>66</u>	°F Chlorides	<u>96000</u>	ppm Recovery	<u>8000</u>
				Chlorides	<u>8000</u>	ppm System	

	AK-1	Alpine				
(A) Initial Hydrostatic Mud	<u>1950</u>	<u>2003</u>	PSI Recorder No.	<u>3027</u>	T-On Location	<u>-</u>
(B) First Initial Flow Pressure	<u>44</u>	<u>38</u>	PSI (depth)	<u>4148</u>	T-Started	<u>0303</u>
(C) First Final Flow Pressure	<u>77</u>	<u>108</u>	PSI Recorder No.	<u>11085</u>	T-Open	<u>0520</u>
(D) Initial Shut-In Pressure	<u>1560</u>	<u>1604</u>	PSI (depth)	<u>4132</u>	T-Pulled	<u>0920</u>
(E) Second Initial Flow Pressure	<u>121</u>	<u>117</u>	PSI Recorder No.	<u>-</u>	T-Out	<u>1125</u>
(F) Second Final Flow Pressure	<u>154</u>	<u>166</u>	PSI (depth)	<u>-</u>	T-Off Location	<u>1235</u>
(G) Final Shut-in Pressure	<u>1549</u>	<u>1594</u>	PSI Initial Opening	<u>30</u>	Test	<u>✓ 750</u>
(Q) Final Hydrostatic Mud	<u>1950</u>	<u>1954</u>	PSI Initial Shut-in	<u>60</u>	Jars	<u>✓ 200</u>
			Final Flow	<u>60</u>	Safety Joint	<u>✓ 50</u>
			Final Shut-in	<u>90</u>	Straddle	<u>-</u>

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 Brad Rine

Our Representative RAY SCHWAGER THANK YOU

Extra Packer -

Elec. Rec ✓ 150

Mileage -

Other -

TOTAL PRICE \$ ✓ 1100

TRILOBITE TESTING L.L.C.

OPERATOR : Marmik Oil Co.

DATE 01-26-99

WELL NAME: Snake Creek Ranch 1-6

KB 1768.00 ft

TICKET NO: 11585

DST #3

LOCATION : 6-35s-20w Comanche co KS

GR 1756.00 ft

FORMATION: Morrow

INTERVAL : 5408.00 To 5585.00 ft

TD 5585.00 ft

TEST TYPE: CONVENTIONAL

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 30 Rec.	10248	10248	2342			PF Fr. 0358 to 0428 hr
SI 60 Range (Psi)	4400.0	4400.0	4995.0	0.0	0.0	IS Fr. 0428 to 0528 hr
SF 45 Clock (hrs)	12 hr	12 hr	batt.			SF Fr. 0528 to 0613 hr
FS 90 Depth (ft)	5582.0	5582.0	5490.0	0.0	0.0	FS Fr. 0613 to 0743 hr

	Field	1	2	3	4	
A. Init Hydro	0.0	0.0	2767.0	0.0	0.0	T STARTED 0051 hr
B. First Flow	0.0	0.0	1135.0	0.0	0.0	T ON BOTM 0354 hr
B1. Final Flow	0.0	0.0	1743.0	0.0	0.0	T OPEN 0358 hr
C. In Shut-in	0.0	0.0	1951.0	0.0	0.0	T PULLED 0745 hr
D. Init Flow	0.0	0.0	1796.0	0.0	0.0	T OUT 1140 hr
E. Final Flow	0.0	0.0	1949.0	0.0	0.0	
F. Fl Shut-in	0.0	0.0	1959.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	0.0	0.0	2655.0	0.0	0.0	Tool Wt. 2100.00 lbs
Inside/Outside	O	O	I	T		Wt Set On Packer 20000.00 lbs
						Wt Pulled Loose 165000.00 lbs
						Initial Str Wt 80000.00 lbs
						Unseated Str Wt 102000.00 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 270.00 ft
						D.P. Length 5131.00 ft

RECOVERY

Tot Fluid 4070.00 ft of 270.00 ft in DC and 3800.00 ft in DP
 0.00 ft of Gas in all fluid free pipe.
 430.00 ft of Gas cut mud 12% gas 12% water 76% mud
 280.00 ft of Gas cut muddy water 10% gas 40% mud 50% water
 3360.00 ft of Gasc mut muddy water 3% gas 15% mud 82% water
 0.00 ft of
 0.00 ft of
 0.00 ft of Rw .09 ohms @ 55 degrees F.
 0.00 ft of EST.FT. of PAY----- 12
 SALINITY 116000.00 P.P.M. A.P.I. Gravity 0.00

BLOW DESCRIPTION

Initial Flow:
 Strong blow bottom of bucket in
 30 secs.
 Initial Shut-in:
 Weak blow. (1/2")
 Final Flow:
 Strong blow bottom of bucket in
 90 secs.
 Final Shut-in:
 Fair blow 4-7" Gas to surface in
 20 mins. in to final shut-in

SAMPLES: none

SENT TO: Caraway/Liberal

Test Successful: Y

MUD DATA-----

Mud Type	Chemical
Weight	9.00 lb/cf
Vis.	50.00 S/L
W.L.	8.80 in3
F.C.	0.20 in
Mud Drop N	
Amt. of fill	0.00 ft
Btm. H. Temp.	134.00 F
Hole Condition	Good
% Porosity	20.00
Packer Size	6.75 in
No. of Packers	2
Cushion Amt.	0.00 N
Cushion Type	None
Reversed Out Y	
Tool Chased N	
Tester	Gary Pevoteaux
Co. Rep.	Moorehead/Rine
Contr.	Abercrombie Drlg
Rig #	5
Unit #	
Pump T.	LCM 4#/bl

*** TOOL DIAGRAM *** CONVENTIONAL

WELL NAME: Snake Creek Ranch 1-6

LOCATION : Sec.06 Twp.35s Rg.20w Ks

TICKET No. 11585 D.S.T. No. 3 DATE 01-26-99

TOTAL TOOL TO BOTTOM OF TOP PACKERS 27

INTERVAL TOOL

BOTTOM PACKERS AND ANCHOR 23

TOTAL TOOL 50

DRILL COLLAR ANCHOR IN INTERVAL

C. ANCHOR STND.Stands Single Total

P. ANCHOR STND.Stands 1 Single 2 Total 154

TOTAL ASSEMBLY 204

C. ABOVE TOOLS.Stands3 Single Total 270

P. ABOVE TOOLS.Stands55 Single Total 5131

TOTAL DRILL COLLARS DRILL PIPE & TOOLS .. 5605

TOTAL DEPTH 5585

TOTAL DRILL PIPE ABOVE K.B. 20

REMARKS:

Comments: AK-1 rec. chart drum jammed!

FLUID SAMPLER DATA (not run)

GAS-----
OIL----- ML.
MUD----- ML.
WATER----- ML.
OTHER-----
PRESSURE----- PSI
Flow ----- ohms @ deg. F.
CHLORIDES----- ppm.
GRAVITY-----n/a deg.API

P.O. SUB	
C.O. SUB @ top of tool	5381
S.I. TOOL Sterling	5387
Sampler (no)	
HMV Sterling	5392
JARS Bowen	5397
SAFETY JOINT Bowen	5399
PACKER Top	5403
PACKER Btm.	5408
DEPTH 5408	
STUBB 1 ft.	5409
ANCHOR	
perfs	
16' perfs & sub to	5425
Alpine rec. @	5490
T.C.	
DEPTH	
155'pipe & sub to	5580
AK-1 rec. @	5582
BULLNOSE 5 ft. perforated	5585
T.D.	

TEST HISTORY

11585 DST#3 SNAKE CREEK RANCH #1-6 MARMIK OIL CO.

Flag Points

t(Min.) P(PSig)

A: 0.00 2767.43
B: 0.00 1134.61
C: 29.00 1743.26
D: 60.50 1951.48
E: 0.00 1795.80
F: 43.50 1949.30
G: 92.50 1959.15
Q: 0.00 2654.80

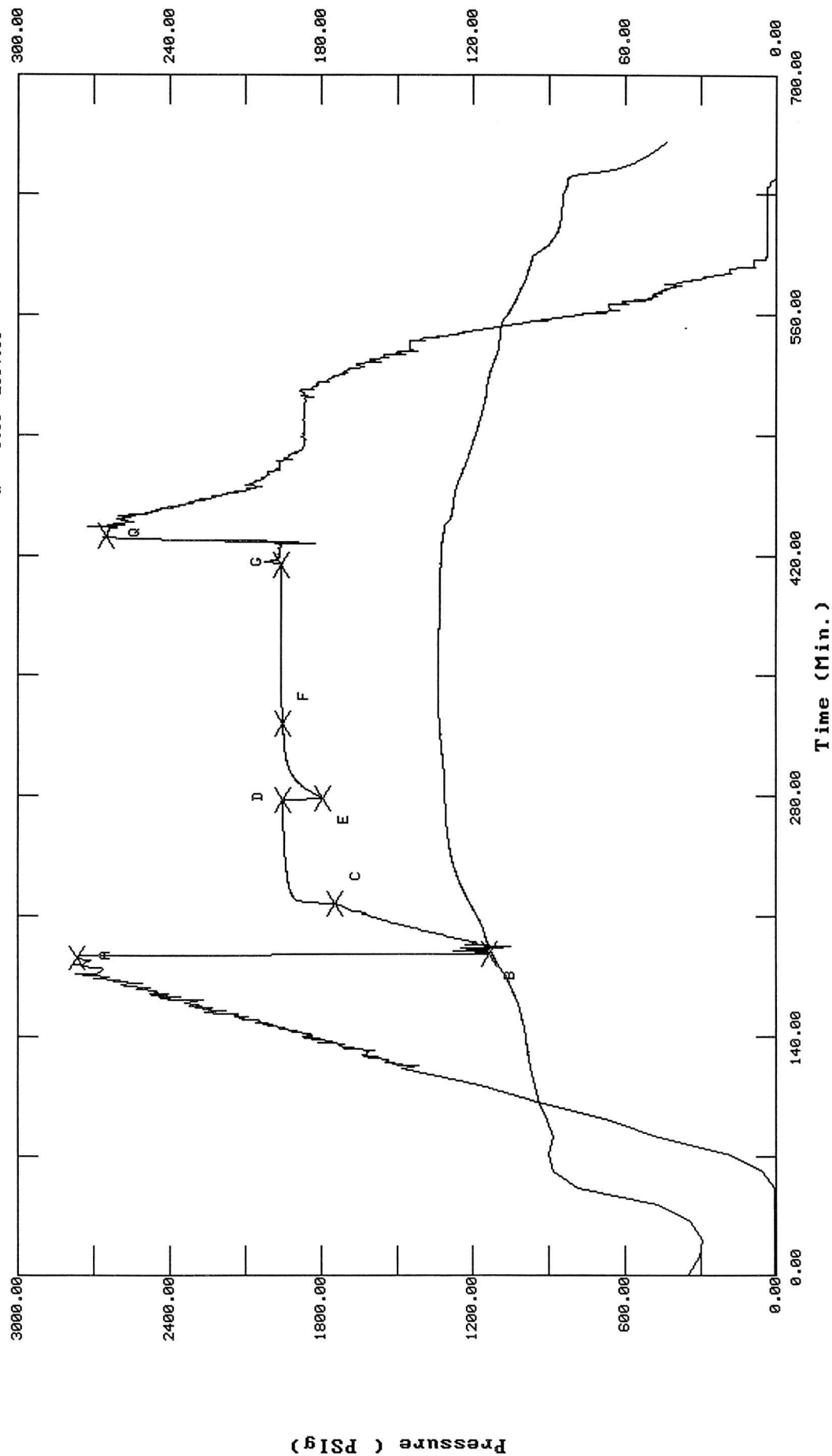
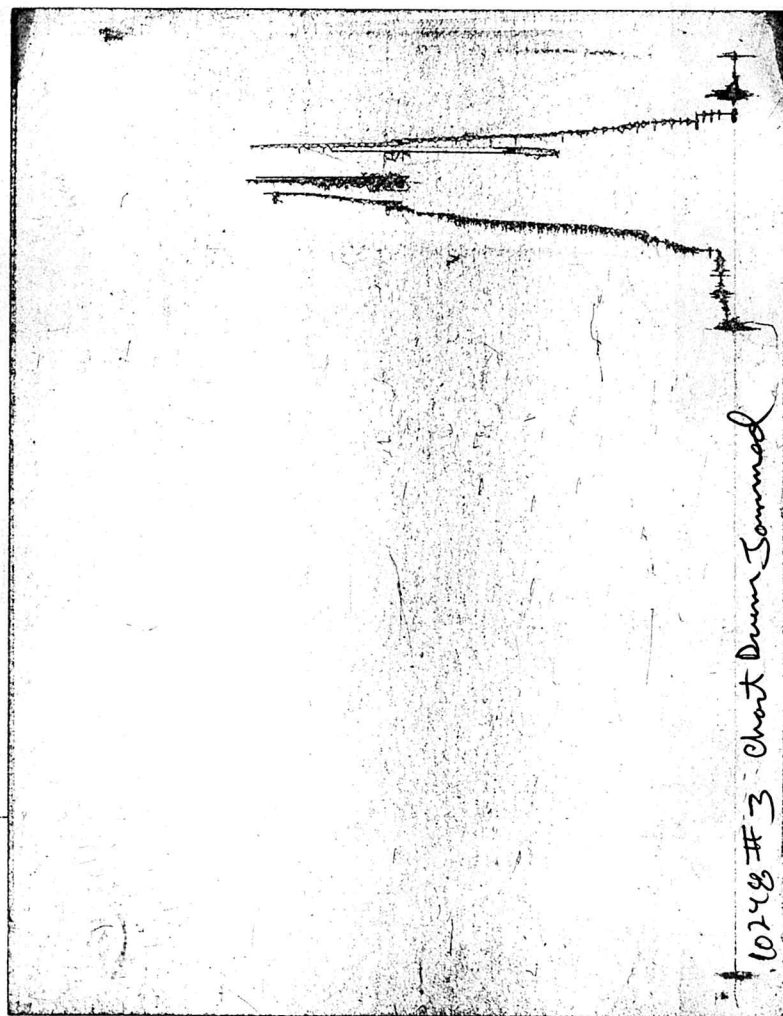


CHART PAGE



This is a photocopy of the actual AK-1 recorder chart

TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Test Ticket

No 11585

Well Name & No.	Snake Creek Ranch #1-6	Test No.	3	Date	1-26-99
Company	MARMICK OIL Co.	Zone Tested	MORROW		
Address	DENVER CO.	Elevation	1768	KB	1756 GL
Co. Rep / Geo.	MOOREHEAD / RINE	Cont.	MERRILL ROMBIE #5	Est. Ft. of Pay	12 Pgr. 20%
Location: Sec.	6	Twp.	35S	Rge.	20W
			Co.	COMANCHE	State KS.
No. of Copies	5	Distribution Sheet (Y, N)	N	Turnkey (Y, N)	~
			Evaluation (Y, N)	~	

Interval Tested 5408-5585' Initial Str Wt./Lbs. 80,000 Unseated Str Wt./Lbs. 102,000
Anchor Length 177' Wt. Set Lbs. 20,000 Wt. Pulled Loose/Lbs. 165,000
Top Packer Depth 5403' Tool Weight 2100 lb
Bottom Packer Depth 5408' Hole Size — 7 7/8" ✓ Rubber Size — 6 3/4" ✓
Total Depth 5585' Wt. Pipe Run None Drill Collar Run 270
Mud Wt. 9.0 LCM 4# Vis. 50 WL 0.8 cc. Drill Pipe Size 4 1/2" x 11' Ft. Run 5131'
Blow Description IF: Strong below. Btm. of bucket in 30 secs.
FSI: Weak below. 1 1/2"
FF: Strong below. Btm. of bucket in 1 1/2 mins. FSI: ~~Weak~~
Fair below GIS 20 mins. led to FSI.
Recovery — Total Feet 4070 Fluid GIP yes Ft. in DC 270 Ft. in DP 3800
Rec. 430 Feet Of G.C.M. 12 %gas %oil 12 %water 76 %mud
Rec. 280 Feet Of GCMW 10 %gas %oil 50 %water 40 %mud
Rec. 3360 Feet Of GCMW 3 %gas %oil 82 %water 15 %mud
Rec. _____ Feet Of _____ %gas %oil %water %mud
Rec. _____ Feet Of _____ %gas %oil %water %mud
BHT 134 °F Gravity N/A °API D@ ~ °F Corrected Gravity N/A °API
RW .09 @ SS °F Chlorides 116,000 ppm Recovery Chlorides 7,000 ppm System

	AK-1	Alpine	PSI	Recorder No.	T-On Location
(A) Initial Hydrostatic Mud		<u>2767</u>		<u>2342</u>	<u>2315</u>
(B) First Initial Flow Pressure		<u>1135</u>		<u>5490'</u>	<u>0051</u>
(C) First Final Flow Pressure		<u>1743</u>		<u>10248</u>	<u>0358</u>
(D) Initial Shut-In Pressure		<u>1951</u>		<u>5582'</u>	<u>0745</u>
(E) Second Initial Flow Pressure		<u>1796</u>		<u>~</u>	<u>1140</u>
(F) Second Final Flow Pressure		<u>1949</u>		<u>~</u>	
(G) Final Shut-in Pressure		<u>1959</u>		<u>30</u>	<u>✓ 800</u>
(Q) Final Hydrostatic Mud		<u>2655</u>		<u>60</u>	<u>✓ 200</u>
			Final Flow	<u>45</u>	Safety Joint <u>✓ 50</u>
			Final Shut-in	<u>90</u>	Straddle _____
				<u>9</u>	Circ. Sub <u>✓ 35</u>
				<u>7</u>	Sampler _____
					Extra Packer _____
					Elec. Rec. <u>✓ 150</u>
					Mileage _____
					Other _____

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

Our Representative

TOTAL PRICE \$ 1235.00

TRILOBITE TESTING L.L.C.

OPERATOR : Marmik Oil Co. DATE 01-27-99
WELL NAME: Snake Creek Ranch 1-6 KB 1768.00 ft TICKET NO: 11586 DST #4
LOCATION : 6-35s-20w comanche co KS GR 1756.00 ft FORMATION: Miss.
INTERVAL : 5792.00 To 5844.00 ft TD 5844.00 ft TEST TYPE: CONVENTIONAL

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 30 Rec.	10248	10248	2342			PF Fr. 2308 to 2338 hr
SI 60 Range(Psi)	4400.0	4400.0	4995.0	0.0	0.0	IS Fr. 2338 to 0038 hr
SF 30 Clock(hrs)	12 hr	12 hr	batt.			SF Fr. 0038 to 0108 hr
FS 90 Depth(ft)	5841.0	5841.0	5805.0	0.0	0.0	FS Fr. 0108 to 0238 hr

	Field	1	2	3	4	
A. Init Hydro	2889.0	2907.0	2886.0	0.0	0.0	T STARTED 2046 hr
B. First Flow	125.0	145.0	118.0	0.0	0.0	T ON BOTM 2300 hr
B1. Final Flow	128.0	151.0	122.0	0.0	0.0	T OPEN 2308 hr
C. In Shut-in	175.0	186.0	166.0	0.0	0.0	T PULLED 0241 hr
D. Init Flow	128.0	161.0	123.0	0.0	0.0	T OUT 0445 hr
E. Final Flow	128.0	161.0	126.0	0.0	0.0	
F. Fl Shut-in	148.0	187.0	155.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	2845.0	2838.0	2800.0	0.0	0.0	Tool Wt. 2100.00 lbs
Inside/Outside	O	O	I	T		Wt Set On Packer 30000.00 lbs
						Wt Pulled Loose 165000.00 lbs
						Initial Str Wt 82000.00 lbs
						Unseated Str Wt 102000.00 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 270.00 ft
						D.P. Length 5498.00 ft

RECOVERY

Tot Fluid 185.00 ft of 185.00 ft in DC and 0.00 ft in DP
185.00 ft of Drilling mud
0.00 ft of
0.00 ft of
0.00 ft of
0.00 ft of
0.00 ft of
0.00 ft of
0.00 ft of
0.00 ft of EST.FT. of PAY----- 6
SALINITY 7500.00 P.P.M. A.P.I. Gravity 0.00

BLOW DESCRIPTION

Initial Flow:
Weak blow 3.5" decreasing to 2"
Initial Shut-in:
No blow
Final Flow:
No blow
Final Shut-in:
No blow.

SAMPLES: none
SENT TO: Caraway/Liberal

MUD DATA-----

Mud Type	Chemical
Weight	9.00 lb/cf
Vis.	50.00 S/L
W.L.	9.60 in3
F.C.	0.20 in
Mud Drop N	
Amt. of fill	4.00 ft
Btm. H. Temp.	128.00 F
Hole Condition	Good
% Porosity	10.00
Packer Size	6.75 in
No. of Packers	2
Cushion Amt.	0.00 N
Cushion Type	None
Reversed Out N	
Tool Chased Y	3.00 ft
Tester	Gary Pevoteaux
Co. Rep.	Moorehead/Rine
Contr.	Abercrombie Drlg
Rig #	5
Unit #	
Pump T.	LCM 4#/bl

Test Successful: Y

*** TOOL DIAGRAM *** CONVENTIONAL

WELL NAME: Snake Creek Ranch 1-6

LOCATION : Sec.06 Twp.35s Rg.20w Ks

TICKET No. 11586 D.S.T. No. 4 DATE 01-27-99

TOTAL TOOL TO BOTTOM OF TOP PACKERS 27

INTERVAL TOOL

BOTTOM PACKERS AND ANCHOR 21

TOTAL TOOL 48

DRILL COLLAR ANCHOR IN INTERVAL

D.C. ANCHOR STND.Stands Single Total

D.P. ANCHOR STND.Stands Single 1 Total 31

TOTAL ASSEMBLY 79

D.C. ABOVE TOOLS.Stands3 Single Total 270

D.P. ABOVE TOOLS.Stands59 Single Total 5498

TOTAL DRILL COLLARS DRILL PIPE & TOOLS .. 5847

TOTAL DEPTH 5844

TOTAL DRILL PIPE ABOVE K.B. 3

REMARKS:

Comments: 4 ft. fill on btm. Slid tool 3 ft.
to btm.

FLUID SAMPLER DATA (not run)

AS-----
IL----- ML.
UD----- ML.
ATER----- ML.
THER-----
RESSURE----- PSI
w ----- ohms @ deg. F.
HLORIDES----- ppm.
RAVITY-----n/a deg.API

P.O. SUB
C.O. SUB @ top of tool 5765

S.I. TOOL Sterling 5771

Sampler (no)

HMV Sterling 5776

JARS Bowen 5781

SAFETY JOINT Bowen 5783

PACKER Top 5787

PACKER Btm. 5792

DEPTH 5792

STUBB 1 ft. 5793

ANCHOR

9' perms & sub to 5802

Alpine rec.@ 5805

T.C.
DEPTH

1 jt. pipe to 5833

6' pipe & sub to 5839

AK-1 rec. @ 5841

BULLNOSE 5 ft. perforated 5844

T.D.

TEST HISTORY

11586 DST#4 SNAKE CREEK RANCH #1-6 MARMIK OIL CO.

Flag Points

t (Min.)	P (PSig)
A: 0.00	2885.85
B: 0.00	117.74
C: 30.00	122.36
D: 58.00	165.50
E: 0.00	122.86
F: 33.00	125.77
G: 87.50	154.67
H: 0.00	2799.66

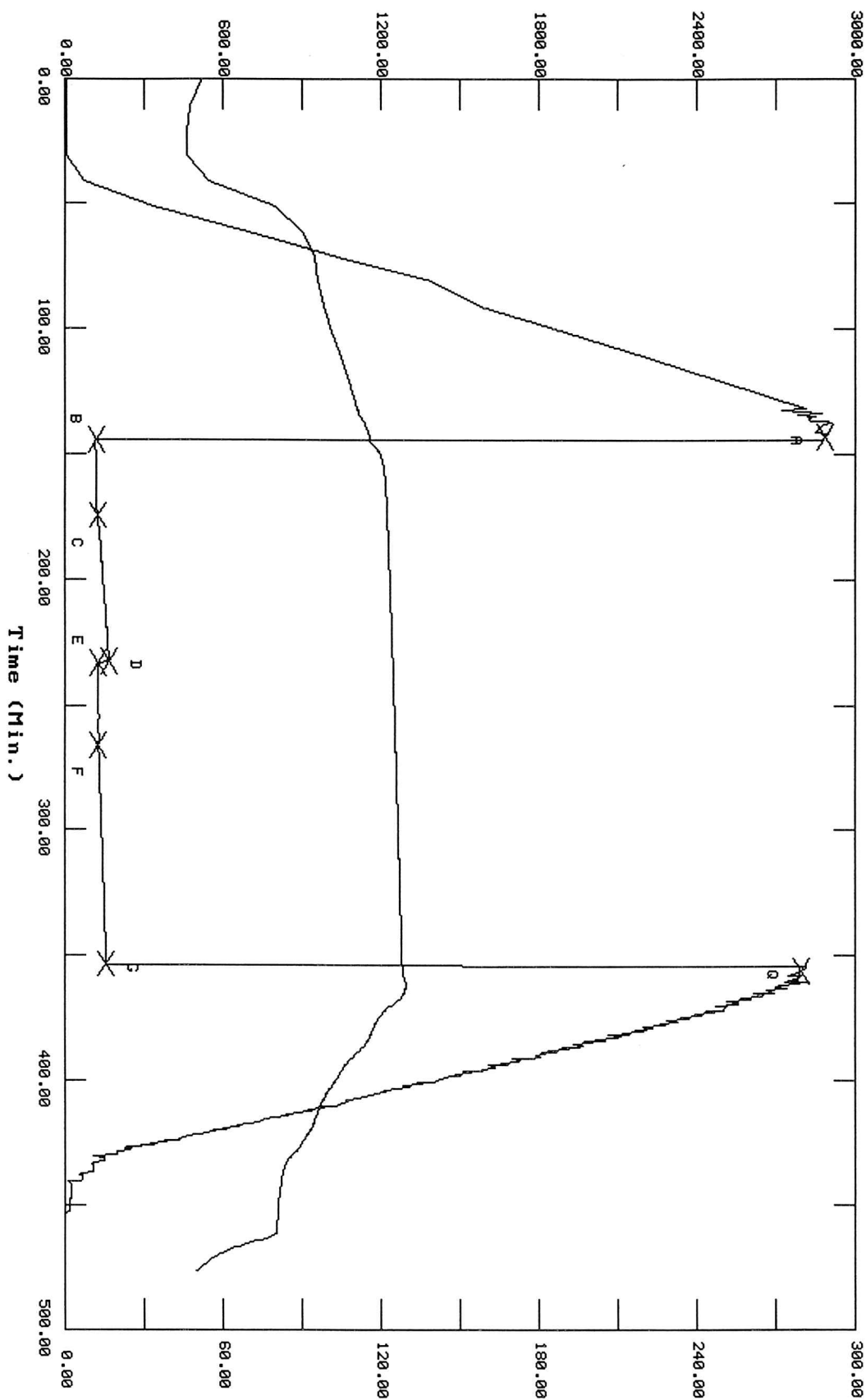
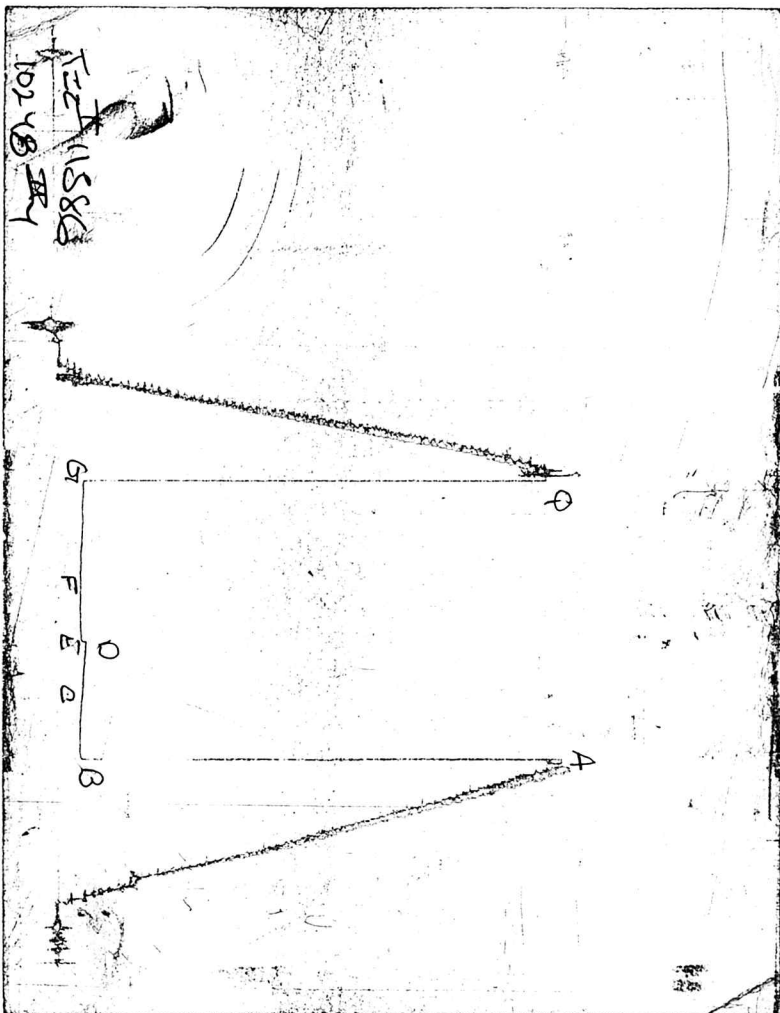


CHART PAGE



This is a photocopy of the actual AK-1 recorder chart

TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Test Ticket

No 11586

Well Name & No.	Snake Creek Ranch #1-L		Test No.	4	Date	1-27-99	
Company	Marmak Oil Co.		Zone Tested	Mass.			
Address	Denver Co.		Elevation	1760	KB	1756	GL
Co. Rep / Geo.	Moonhead / Rine	Cont.	AB42220MB14	Drill	Est. Ft. of Pay	6	Por. 10 %
Location: Sec.	6	Twp.	35	Rge.	20W	Co.	Comanche State KS.
No. of Copies	5	Distribution Sheet (Y, N)	N	Turnkey (Y, N)	N	Evaluation (Y, N)	N

Interval Tested 5792 - 5844
Anchor Length 52'
Top Packer Depth 5787'
Bottom Packer Depth 5792'
Total Depth 5844'
Mud Wt. 9.0 LCM 4# Vis. SD WL 9.6cc
Blow Description IF: W 1/2 below, (3 1/2") decreasing to 2"
ISI: No below.
FF: No below. FSI: No below.
Comment: Did tool 2-3' to botm.

Recovery — Total Feet	GIP	Ft. in DC	Ft. in DP
<u>185</u>	<u>No</u>	<u>185</u>	<u>0</u>
Rec. <u>185</u> Feet Of <u>Very Mud.</u>	%gas	%oil	%water %mud
Rec. _____ Feet Of _____	%gas	%oil	%water %mud
Rec. _____ Feet Of _____	%gas	%oil	%water %mud
Rec. _____ Feet Of _____	%gas	%oil	%water %mud
Rec. _____ Feet Of _____	%gas	%oil	%water %mud
BHT <u>128</u> °F Gravity <u>N/A</u> °API D@ <u>N/A</u> °F Corrected Gravity <u>N/A</u> °API			
RW <u>Nic.</u> @ <u>N/A</u> °F Chlorides <u>7500</u> ppm Recovery Chlorides <u>7500</u> ppm System			

	AK-1	Alpine	PSI	Recorder No.	T-On Location
(A) Initial Hydrostatic Mud	<u>2889</u>	<u>2884</u>		<u>2342</u>	<u>1900</u>
(B) First Initial Flow Pressure	<u>125</u>	<u>118</u>		<u>5805</u>	<u>2046</u>
(C) First Final Flow Pressure	<u>128</u>	<u>122</u>		<u>10248</u>	<u>2308</u>
(D) Initial Shut-In Pressure	<u>175</u>	<u>166</u>		<u>5841</u>	<u>0241</u>
(E) Second Initial Flow Pressure	<u>128</u>	<u>123</u>		<u>~~~~~</u>	<u>0445</u>
(F) Second Final Flow Pressure	<u>128</u>	<u>126</u>		<u>~~~~~</u>	<u>0600</u>
(G) Final Shut-in Pressure	<u>148</u>	<u>155</u>		<u>30</u>	<u>800</u>
(Q) Final Hydrostatic Mud	<u>2845</u>	<u>2800</u>		<u>60</u>	<u>200</u>
				<u>90</u>	<u>50</u>
				<u>4</u>	

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

Our Representative

Straddle _____
Circ. Sub _____
Sampler _____
Extra Packer _____
Elec. Rec. ✓ 150
Mileage _____
Other _____
TOTAL PRICE \$ ✓ 1200.00