

15- 175- 21774

1-35s-31w

Well Name: Raymond #1
Company: Raydon Exploration Inc.
Location: 1-35s-31w
Seward County Kansas
Date: 7-19-99

TRILOBITE TESTING L.L.C.

OPERATOR : Raydon Exploration Inc.
 WELL NAME: Raymond #1
 LOCATION : 1-35S-31W Seward co KS
 INTERVAL : 5776.00 To 5806.00 ft

DATE 7-9-99

KB 2515.00 ft TICKET NO: 12166 DST #1
 GR 2504.00 ft FORMATION: Morrow
 TD 5806.00 ft TEST TYPE: CONVENTIONAL

RECORDER DATA

Mins		Field	1	2	3	4	TIME DATA-----
PF 30	Rec.	10993	10993	3227			PF Fr. 2335 to 0005 hr
SI 60	Range(Psi)	4250.0	4250.0	4995.0	0.0	0.0	IS Fr. 0005 to 0105 hr
SF 30	Clock(hrs)	12HR.	12HR.	Elet			SF Fr. 0105 to 0135 hr
FS 60	Depth(ft)	5803.0	5803.0	5778.0	0.0	0.0	FS Fr. 0135 to 0235 hr

	Field	1	2	3	4	
A. Init Hydro	2951.0	2947.0	2824.0	0.0	0.0	T STARTED 2100 hr
B. First Flow	21.0	43.0	21.0	0.0	0.0	T ON BOTM 2332 hr
Bl. Final Flow	32.0	33.0	26.0	0.0	0.0	T OPEN 2335 hr
C. In Shut-in	43.0	36.0	38.0	0.0	0.0	T PULLED 0235 hr
D. Init Flow	32.0	33.0	29.0	0.0	0.0	T OUT hr
E. Final Flow	43.0	44.0	35.0	0.0	0.0	
F. Fl Shut-in	54.0	59.0	56.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	2845.0	2873.0	2787.0	0.0	0.0	Tool Wt. 1800.00 lbs
Inside/Outside	0	0	I			Wt Set On Packer 20000.00 lbs
						Wt Pulled Loose 160000.00 lbs
						Initial Str Wt 90000.00 lbs
						Unseated Str Wt 90000.00 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 665.00 ft
						D.P. Length 5114.00 ft

RECOVERY

Tot Fluid 10.00 ft of 10.00 ft in DC and 0.00 ft in DP
 10.00 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

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

BLOW DESCRIPTION

Initial Flow:
 Weak surface blow for 10 mins.
 then no blow
 Final Flow:
 No blow flushed tool still no blow

MUD DATA-----
 Mud Type Chemical
 Weight 8.80 lb/cf
 Vis. 57.00 S/L
 W.L. 7.60 in3
 F.C. 0.00 in
 Mud Drop Y 25.0 ft
 Amt. of fill 0.00 ft
 Btm. H. Temp. 127.00 F
 Hole Condition Stickey
 % Porosity 0.00
 Packer Size 6.75 in
 No. of Packers 2
 Cushion Amt. 0.00
 Cushion Type
 Reversed Out N
 Tool Chased N
 Tester Mike Colantonio
 Co. Rep. Ed Grieves
 Contr. Big "A"
 Rig # 1
 Unit #
 Pump T.

SAMPLES:
 SENT TO:

Test Successful: Y

*** TOOL DIAGRAM *** CONVENTIONAL

WELL NAME: Raymond #1		P.O. SUB top tool	5704
		C.O. SUB 1ft	5705
LOCATION : 1-35S-31W Seward co KS		S.I. TOOL Sterling	5755
TICKET No. 12166 D.S.T. No. 1 DATE 7-9-99			
TOTAL TOOL TO BOTTOM OF TOP PACKERS 27			
INTERVAL TOOL		HMV Sterling	5760
BOTTOM PACKERS AND ANCHOR 30		JARS Sterling	5765
TOTAL TOOL 57			
WELL COLLAR ANCHOR IN INTERVAL			
C. ANCHOR STND.Stands Single Total		SAFETY JOINT Bowens	5767
P. ANCHOR STND.Stands Single Total		PACKER 5ft	5771
TOTAL ASSEMBLY		PACKER 5ft	5776
C. ABOVE TOOLS.Stands11 Single Total 665		DEPTH	
P. ABOVE TOOLS.Stands83 Single Total 5114		STUBB 1ft	5777
TOTAL DRILL COLLARS DRILL PIPE & TOOLS .. 5836		ANCHOR	
		Alpine Rec	5778
TOTAL DEPTH 5806		5ft P U Sub	5782
TOTAL DRILL PIPE ABOVE K.B. 30			
MARKS:			
		T.C.	
		DEPTH	
		19ft perf	5801\\
		AK-1 Rec	5802
		BULLNOSE	
		T.D. 4ft bullplug	5806

12166 DST #1 Raymond #1 Raydon Exploration Inc.

TEST HISTORY

Flag Points

t (Min.)	P (PSig)
A: 0.00	2824.21
B: 0.00	21.55
C: 29.25	26.80
D: 62.00	38.86
E: 0.00	35.85
F: 57.75	56.78
G: 0.00	2787.27

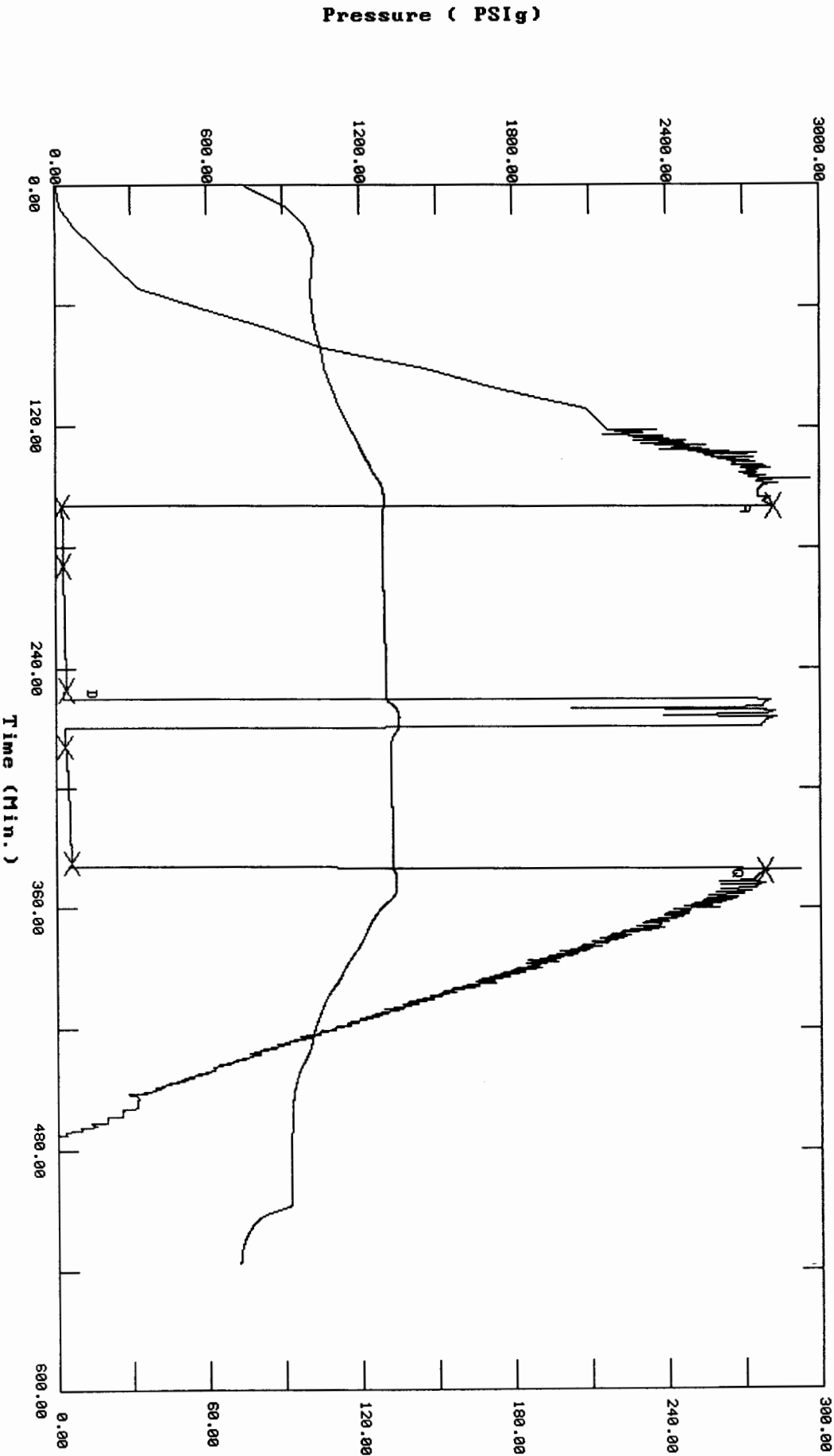
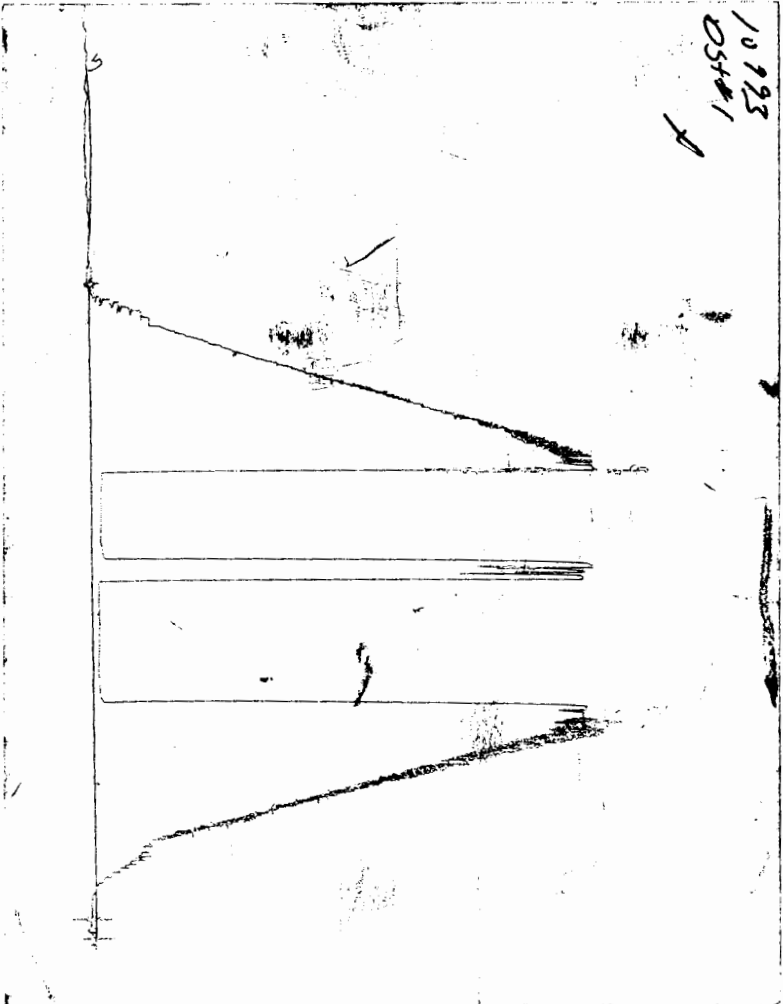


CHART PAGE



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

Well Name Raymond 1
DST Number _____
Recorder Number 10993

A: 2.747 2947
B: .040 43
C: .031 33
D: .035 36
E: .031 33
F: ~~.050~~ .041 44
G: .055 59
Q: 2.677 2873

TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

N^o 12166

Test Ticket

Well Name & No. <u>Raymond #1</u>		Test No. <u>#1</u>	Date <u>7-9-99</u>
Company <u>Raydon Exploration Inc.</u>		Zone Tested <u>Upper Merriam</u>	
Address <u>9100 N. Broadway Suite 400 Off-Ctr. Off. 73114</u>		Elevation <u>2515</u> KB <u>2504</u> GL	
Co. Rep / Geo. <u>ED Cricas</u>	Cont. <u>Bj "H" Bj #1</u>	Est. Ft. of Pay <u>5</u>	Por. <u>?</u> %
Location: Sec. <u>1</u>	Twp. <u>35S</u>	Rge. <u>31W</u>	Co. <u>Seward</u> State <u>KS</u>
No. of Copies _____	Distribution Sheet (Y, N) _____	Turnkey (Y, N) _____	Evaluation (Y, N) _____

Interval Tested <u>5776 - 5806</u>	Initial Str Wt/Lbs. <u>90,000</u>	Unseated Str Wt/Lbs. <u>90,000</u>
Anchor Length <u>30'</u>	Wt. Set Lbs. <u>30,000</u>	Wt. Pulled Loose/Lbs. <u>160,000</u>
Top Packer Depth <u>5771</u>	Tool Weight <u>1,800</u>	
Bottom Packer Depth <u>5776</u>	Hole Size — <u>7 7/8" X</u>	Rubber Size — <u>6 3/4" X</u>
Total Depth <u>5806</u>	Wt. Pipe Run _____	Drill Collar Run <u>665' 115 lbs</u>
Mud Wt. <u>8.8</u> LCM <u>5*</u> Vis. <u>57</u> WL <u>2.6</u>	Drill Pipe Size <u>4.5 X-0</u>	Ft. Run <u>5114 835 lbs</u>
Blow Description <u>Weak Surface Blow Fl 10 min then no blow</u>		

Int. opening no blow flushed tool. still no blow

Recovery — Total Feet <u>10</u>	GIP _____	Ft. in DC <u>10</u>	Ft. in DP _____
Rec. <u>10'</u>	Feet Of <u>dry mud</u>	%gas _____	%oil _____
Rec. _____	Feet Of _____	%gas _____	%oil _____
Rec. _____	Feet Of _____	%gas _____	%oil _____
Rec. _____	Feet Of _____	%gas _____	%oil _____
Rec. _____	Feet Of _____	%gas _____	%oil _____
BHT _____	°F Gravity _____	°API D@ _____	°F Corrected Gravity _____
RW _____	@ _____	°F Chlorides _____	ppm Recovery _____
		Chlorides <u>2800</u>	ppm System _____

(A) Initial Hydrostatic Mud <u>2951</u> AK-1 <u>2827</u> Alpine	PSI Recorder No. <u>3227</u>	T-On Location <u>7:00pm</u>
(B) First Initial Flow Pressure <u>21</u>	PSI (depth) <u>5778</u>	T-Started <u>9:00pm</u>
(C) First Final Flow Pressure <u>32</u>	PSI Recorder No. <u>10993</u>	T-Open <u>11:35pm</u>
(D) Initial Shut-In Pressure <u>43</u>	PSI (depth) <u>5803</u>	T-Pulled <u>2:35am</u>
(E) Second Initial Flow Pressure <u>32</u>	PSI Recorder No. _____	T-Out <u>6:00am</u>
(F) Second Final Flow Pressure <u>43</u>	PSI (depth) _____	T-Off Location <u>7:15am</u>
(G) Final Shut-in Pressure <u>54</u>	PSI Initial Opening <u>30min</u>	Test <input checked="" type="checkbox"/> Conventional <u>800</u>
(Q) Final Hydrostatic Mud <u>2845</u>	PSI Initial Shut-in <u>60min</u>	Jars <input checked="" type="checkbox"/> <u>200</u>
	Final Flow <u>30min</u>	Safety Joint <input checked="" type="checkbox"/> <u>50</u>
	Final Shut-in <u>60min</u>	Straddle _____
		Circ. Sub <input checked="" type="checkbox"/> <u>M/L</u>
		Sampler _____
		Extra Packer _____
		Elec. Rec. <input checked="" type="checkbox"/> <u>150</u>
		Mileage _____
		Other _____
		TOTAL PRICE \$ <u>1200</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 POST BY THE PARTY FOR WHOM THE TEST IS MADE.

Approved By [Signature]
 Our Representative [Signature]

TRILOBITE TESTING L.L.C.

OPERATOR : Raydon Exp. Inc.

DATE 7-11-99

WELL NAME: Raymond #1

KB 2515.00 ft

TICKET NO: 11767 DST #2

LOCATION : 1-35S-31W Seward co KS

GR 2504.00 ft

FORMATION: Lower Chester

INTERVAL : 5980.00 To 6001.00 ft

TD 6001.00 ft

TEST TYPE: CONVENTIONAL

RECORDER DATA

Mins		Field	1	2	3	4	TIME DATA-----
PF 30	Rec.	13630	13630	Alpine			PF Fr. 1420 to 1450 hr
SI 60	Range(Psi)	4625.0	4625.0	5000.0	0.0	0.0	IS Fr. 1450 to 1550 hr
SF 120	Clock(hrs)	12 HR	12 HR	12 HR			SF Fr. 1550 to 1750 hr
FS 120	Depth(ft)	5998.0	5998.0	5982.0	0.0	0.0	FS Fr. 1750 to 1950 hr

	Field	1	2	3	4	
A. Init Hydro	2878.0	2908.0	2856.0	0.0	0.0	T STARTED 1200 hr
B. First Flow	72.0	99.0	21.0	0.0	0.0	T ON BOTM 1417 hr
B1. Final Flow	65.0	92.0	24.0	0.0	0.0	T OPEN 1420 hr
C. In Shut-in	757.0	794.0	783.0	0.0	0.0	T PULLED 1950 hr
D. Init Flow	65.0	92.0	15.0	0.0	0.0	T OUT 2300 hr
E. Final Flow	52.0	74.0	21.0	0.0	0.0	
F. Fl Shut-in	1179.0	121.0	1226.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	2833.0	2855.0	2825.0	0.0	0.0	Tool Wt. 1800.00 lbs
Inside/Outside	0	0	I			Wt Set On Packer 28000.00 lbs
						Wt Pulled Loose 31000.00 lbs
						Initial Str Wt 98000.00 lbs
						Unseated Str Wt 99000.00 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 665.00 ft
						D.P. Length 5300.00 ft

RECOVERY

Tot Fluid 10.00 ft of 10.00 ft in DC and 0.00 ft in DP
 10.00 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
 0.00 ft of

SALINITY 3200.00 P.P.M. A.P.I. Gravity 0.00

MUD DATA-----

Mud Type	Chemical
Weight	8.80 lb/cf
Vis.	56.00 S/L
W.L.	7.60 in3
F.C.	0.00 in
Mud Drop Y	20.0 ft

BLOW DESCRIPTION

Initial Flow:
 Fair 4" built to strong off bottom
 of bucket in 6 mins.

Initial Shut-in:

No blow back

Final Flow:

Strong off bottom of bucket
 immediatley and throughout

Final Shut-in:

No blow back

Amt. of fill	0.00 ft
Btm. H. Temp.	137.00 F
Hole Condition	Good
% Porosity	12.00
Packer Size	6.75 in
No. of Packers	2
Cushion Amt.	0.00

Cushion Type

Reversed Out N

Tool Chased N

Tester Lanny Saloga

Co. Rep. Ed Grieves

Contr. Big A

Rig # 1

Unit #

Pump T.

SAMPLES: None

SENT TO:

Test Successful: Y

11767 D.S.T.#2 Raymond #1 Raydon Exp.

TEST HISTORY

Flag Points
 t(Min.) P(PSig)

R:	0.00	2856.11
B:	0.00	21.15
C:	30.50	24.42
D:	60.00	783.39
E:	0.00	15.75
F:	119.50	21.83
G:	120.50	1226.23
Q:	0.00	2825.17

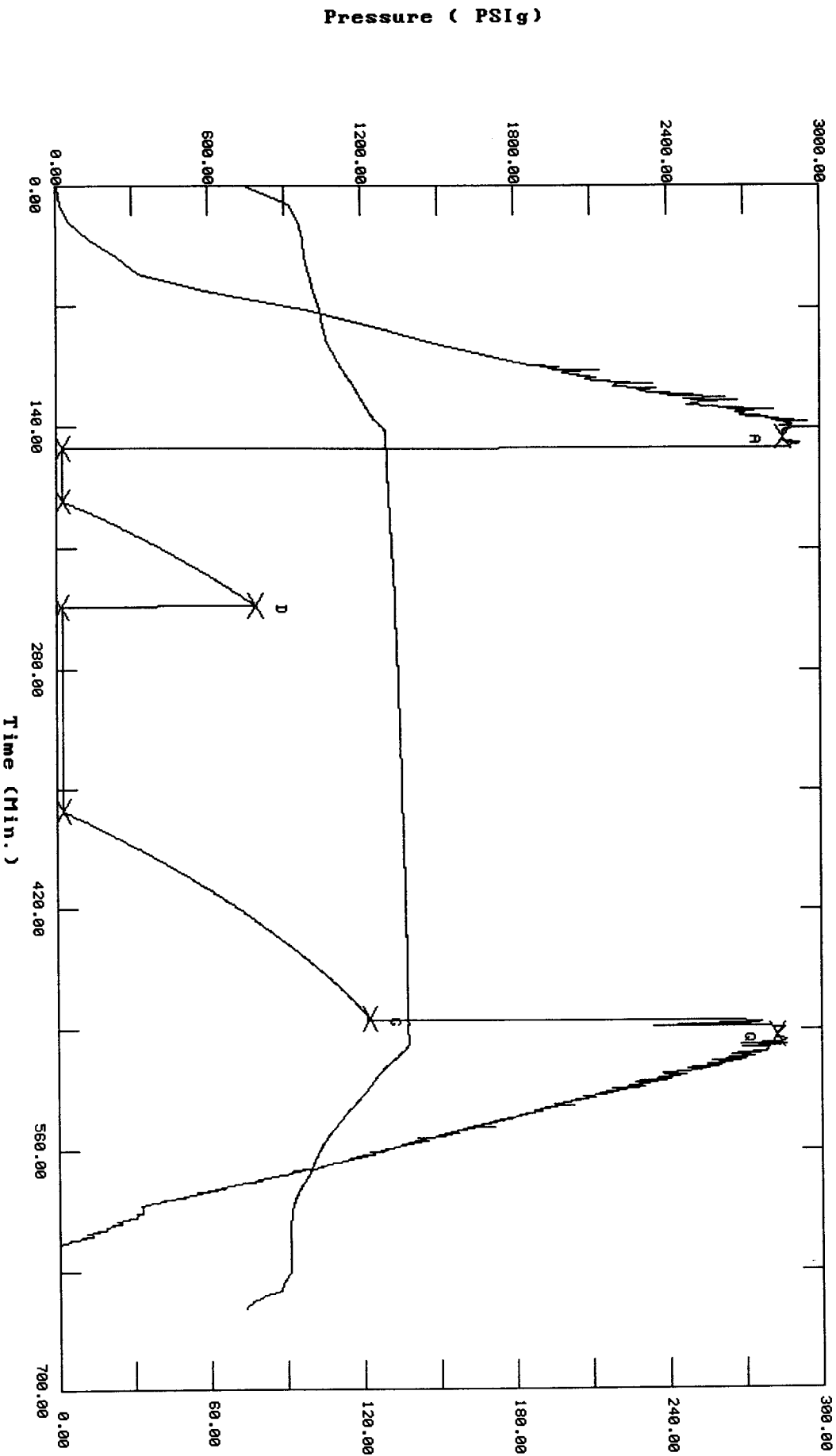
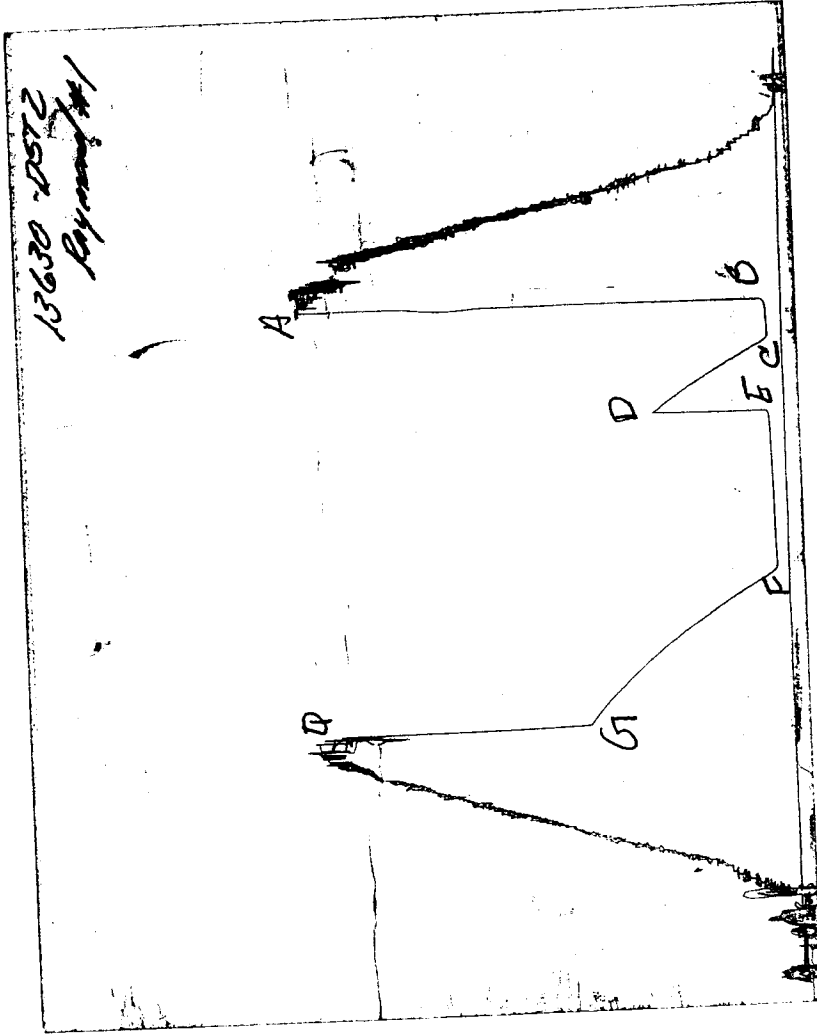


CHART PAGE



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

Well Name Raymond #1
DST Number 2
Recorder Number 13430

A: 2.536 2908

B: .088 99

C: .082 92

D: .700 794

E: .082 92

F: .066 74

G: 1.065 1212

Q: 2.489 2855

TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Test Ticket

No 11767

Well Name & No. <u>Raymond #1</u>	Test No. <u>2</u>	Date <u>7-11-99</u>
Company <u>Raydon Exp. Inc.</u>	Zone Tested <u>Lower Chaster</u>	
Address <u>Ok City Ok.</u>	Elevation <u>2515</u> KB <u>2504</u> GL	
Co. Rep / Geo. <u>Ed Grienes</u>	Cont. <u>Big A #1</u>	Est. Ft. of Pay <u>4</u> Por. <u>12</u> %
Location: Sec. <u>1</u>	Twp. <u>35S</u>	Rge. <u>31W</u> Co. <u>Seward</u> State <u>Ks.</u>
No. of Copies <u>Rep</u>	Distribution Sheet (Y, N) <u>N</u>	Turnkey (Y, N) <u>N</u> Evaluation (Y, N) _____

Interval Tested 5980-6001 Initial Str Wt./Lbs. 98,000 Unseated Str Wt./Lbs. 99,000
 Anchor Length 21' tail = 27' Wt. Set Lbs. 28,000 Wt. Pulled Loose/Lbs. 34,000
 Top Packer Depth 5975 Tool Weight 1,800
 Bottom Packer Depth 5980 Hole Size — 7 7/8" Rubber Size — 6 3/4"
 Total Depth 6001 Wt. Pipe Run _____ Drill Collar Run 665
 Mud Wt. 8.8 LCM 5# Vis. 56 WL 7.6 Drill Pipe Size 4 1/2 XH Ft. Run 5300 12' up

Blow Description Fair 4", built to strong OBB in 6 min. T.F.P.
No blow-back. I.S.T.P.
Strong OBB in and throughout. F.F.P.
No blow-back. F.S.T.P.

Recovery — Total Feet 10 GIP 965 Ft. in DC 10 Ft. in DP 0
 Rec. 10 Feet Of Mud %gas _____ %oil _____ %water 100 %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 137 °F Gravity _____ °API D@ _____ °F Corrected Gravity _____ °API
 RW 1.6 @ 64 °F Chlorides 3,200 ppm Recovery Chlorides 3,100 ppm System

	AK-1	Alpine	PSI	Recorder No.	T-On Location
(A) Initial Hydrostatic Mud	<u>2878</u>	<u>2856</u>		<u>3017 "11:47"</u>	<u>11:00 AM</u>
(B) First Initial Flow Pressure	<u>22</u>	<u>21</u>		(depth) <u>5982</u>	T-Started <u>12:00 PM</u>
(C) First Final Flow Pressure	<u>65</u>	<u>24</u>		Recorder No. <u>13630</u>	T-Open <u>2:20 PM</u>
(D) Initial Shut-In Pressure	<u>757</u>	<u>783</u>		(depth) <u>5998</u>	T-Pulled <u>7:50 PM</u>
(E) Second Initial Flow Pressure	<u>65</u>	<u>15</u>		Recorder No. _____	T-Out <u>11:00 PM</u>
(F) Second Final Flow Pressure	<u>52</u>	<u>21</u>		(depth) _____	T-Off Location _____
(G) Final Shut-in Pressure	<u>1179</u>	<u>1226</u>		PSI Initial Opening <u>30</u>	Test / <input checked="" type="checkbox"/> <u>900</u>
(Q) Final Hydrostatic Mud	<u>2833</u>	<u>2825</u>		PSI Initial Shut-in <u>60</u>	Jars / <input checked="" type="checkbox"/> <u>250</u>
				Final Flow <u>120</u>	Safety Joint / <input checked="" type="checkbox"/> <u>50</u>
				Final Shut-in <u>120</u>	Straddle _____
					Circ. Sub / _____
					Sampler _____
					Shale Packer / <input checked="" type="checkbox"/> <u>150</u>
					Elec. Rec / <input checked="" type="checkbox"/> <u>150</u>
					Mileage _____
					Other _____

71191147.017
 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 Ed Grienes

Our Representative Jerry S. Salgan

TOTAL PRICE \$ 4450.00

TRILOBITE TESTING L.L.C.

OPERATOR : Raydon Exp. Inc.

DATE 7-13-99

WELL NAME: Raymond #1

KB 2515.00 ft

TICKET NO: 11768 DST #3

LOCATION : 1-35S-31W Seward co KS

GR 2504.00 ft

FORMATION: St. Louis

INTERVAL : 6150.00 To 6190.00 ft

TD 6190.00 ft

TEST TYPE: CONVENTIONAL

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 30 Rec.	13630	13630	Alpine			PF Fr. 0810 to 0840 hr
SI 75 Range(Psi)	4625.0	4625.0	5000.0	0.0	0.0	IS Fr. 0840 to 0955 hr
SF 60 Clock(hrs)	12 HR	12 HR	12 HR			SF Fr. 0955 to 1055 hr
FS 120 Depth(ft)	6187.0	6187.0	6152.0	0.0	0.0	FS Fr. 1055 to 1255 hr

	Field	1	2	3	4	
A. Init Hydro	2913.0	2957.0	2924.0	0.0	0.0	T STARTED 0600 hr
B. First Flow	40.0	47.0	27.0	0.0	0.0	T ON BOTM 0807 hr
B1. Final Flow	33.0	47.0	37.0	0.0	0.0	T OPEN 0810 hr
C. In Shut-in	2002.0	2003.0	2025.0	0.0	0.0	T PULLED 1255 hr
D. Init Flow	81.0	90.0	34.0	0.0	0.0	T OUT 1645 hr
E. Final Flow	63.0	82.0	32.0	0.0	0.0	
F. Fl Shut-in	1999.0	2003.0	2021.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	2880.0	2890.0	2895.0	0.0	0.0	Tool Wt. 1800.00 lbs
Inside/Outside	0	0	I			Wt Set On Packer 25000.00 lbs
						Wt Pulled Loose 50000.00 lbs
						Initial Str Wt 100000.00 lbs
						Unseated Str Wt 100000.00 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 665.00 ft
						D.P. Length 5483.00 ft

RECOVERY

Tot Fluid 55.00 ft of 55.00 ft in DC and 0.00 ft in DP
 6093.00 ft of Gas in pipe
 55.00 ft of Slight Gas cut Mud 4% Gas 96% 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 2800.00 P.P.M. A.P.I. Gravity 0.00

MUD DATA-----
 Mud Type Chemical
 Weight 8.80 lb/cf
 Vis. 54.00 S/L
 W.L. 7.60 in3
 F.C. 0.00 in
 Mud Drop Y 20.0 ft

 Amt. of fill 4.00 ft
 Btm. H. Temp. 117.00 F
 Hole Condition Good
 % Porosity 12.00
 Packer Size 6.75 in
 No. of Packers 2
 Cushion Amt. 0.00
 Cushion Type
 Reversed Out N
 Tool Chased N
 Tester Lanny Saloga
 Co. Rep. Ed Grieves
 Contr. Big A
 Rig # 1
 Unit #
 Pump T.

BLOW DESCRIPTION

Initial Flow:
 Strong off bottom of bucket in
 1 min. gas to surface in 18 mins.
 Initial Shut-in:
 No blow back
 Final Flow:
 See flow chart
 Final Shut-in:
 No blow back

SAMPLES: One
 SENT TO: Caraway

Test Successful: Y

NATURAL GAS ANALYSIS REPORT

Sampled by:
 Trilobite Testing, L. L. C.
 Hays, Kansas
 Scott City, Kansas
 Phone: 800-728-5369
 Fax: 913-625-5620

Analyzed by:
 Caraway Analytical, Inc
 P. O. Box 2137
 Liberal, Kansas 67905
 Phone: 316-624-5389
 Fax: 316-626-7108

Lab Number:	993687	Analyzed:	07/13/99
Sample From:	Raymond #1 DST 3	Pressure:	
Producer:	Raydon Exploration	Temperature:	
Date:	07/13/99	Location:	1-35-31
Time:		County:	Seward
Sampler:	Lanny Saloga	State:	Kansas
Source:		Formation:	St. Louis

	Mole %	GPM
Helium	He: 0.278	0.000
Hydrogen	H2: 0.048	0.000
Oxygen	O2: 0.371	0.000
Nitrogen	N2: 10.494	0.000
Carbon Dioxide	CO2: 0.078	0.000
Methane	C1: 77.807	0.000
Ethane	C2: 5.390	1.442
Propane	C3: 3.067	0.845
Iso Butane	iC4: 0.451	0.148
Normal Butane	nC4: 1.059	0.334
Iso Pentane	iC5: 0.223	0.082
Normal Pentane	nC5: 0.315	0.114
Hexanes Plus	C6+: 0.419	0.183

TOTAL: 100.000 3.147
 Z Fact: 0.9975
 SP.GR.: 0.7001
 BTU (SAT): 1037.5 @ 14.73 psia
 BTU (DRY): 1055.9 @ 14.73 psia
 OCTANE RATING: 111.5

COMMENTS:

0.371

GAS RECOVERY

COMPANY: Raydon Exp. Inc.

DATE: 7-13-99

WELL NAME: Raymond #1

KB Elev: 2515.00 ft TICKET #11768 DST #3

WELL LOCATION: 1-35S-31W Seward co KS

GR Elev: 2504.00 ft FORMATION: St. Louis

INTERVAL Fr.: 6150.00 To 6190.00 T.D.: 6190.00 ft TEST TYPE: CONVENTIONAL

GAS RECOVERY MEASURED WITH Merla Orfice

***** GAS RATES FOR FLOW #1

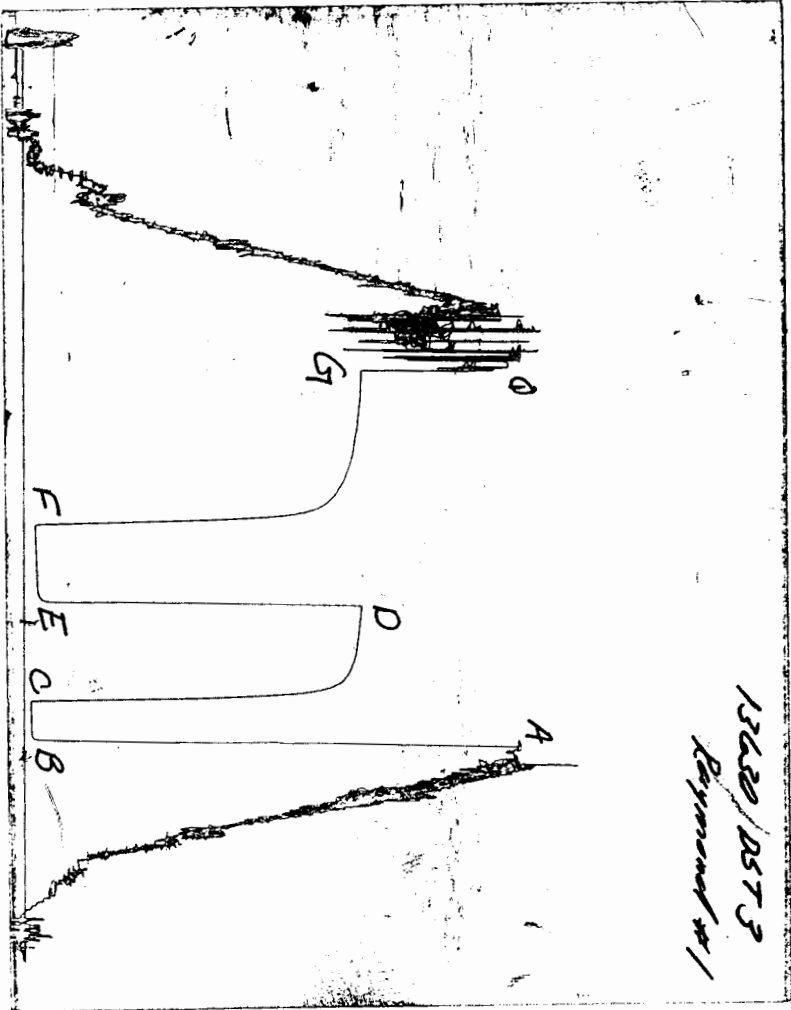
Time (min)	Orifice (in)	Pressure (Psi)	H2O (in)	Rate (cf/d)
20	0.75	0	14	53300.0
25	0.75	0	14	53300.0
30	0.75	0	14	53300.0

***** GAS RATES FOR FLOW #2

Time (min)	Orifice (in)	Pressure (Psi)	H2O (in)	Rate (cf/d)
10	0.75	0	26	72400.0
20	0.75	0	20	63500.0
30	0.75	0	19	61900.0
40	0.75	0	19	61900.0
50	0.75	0	19	61900.0
60	0.75	0	19	61900.0

CHART PAGE

13620/DST3
Raymond W/



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

Well Name Raymond 1
DST Number 3
Recorder Number 13630

A: 2.578 2957

B: .042 47

C: .042 47

D: 1.755 2003

E: .080 90

F: .073 82

G: 1.755 2003

Q: 2.520 2890

TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Test Ticket

No 11768

Well Name & No. Raymond #1 Test No. 3 Date 7-13-99
 Company Rayden Exp. Inc. Zone Tested St. Louis
 Address OK, City OK. Elevation 2515 KB 2504 GL
 Co. Rep / Geo. Ed Grievas Cont. Big A #1 Est. Ft. of Pay 7 Por. 12 %
 Location: Sec. 1 Twp. 35S Rge. 31W Co. Seward State Ks.
 No. of Copies Req. Distribution Sheet (Y, N) N Turnkey (Y, N) N Evaluation (Y, N) _____

Interval Tested 6150-6190 Initial Str Wt./Lbs. 100,000 Unseated Str Wt./Lbs. 100,000
 Anchor Length 40' Tool = 27' Wt. Set Lbs. 25,000 Wt. Pulled Loose/Lbs. 50,000
 Top Packer Depth 6145 Tool Weight 1800
 Bottom Packer Depth 6150 Hole Size — 7 7/8" Rubber Size — 6 3/4"
 Total Depth 6190 Wt. Pipe Run _____ Drill Collar Run 6665
 Mud Wt. 8.8 LCM 8# Vis. 54 WL 7.6 Drill Pipe Size 4 1/2 XH Ft. Run 5483 25' up
 Blow Description Strong ORR in 1 min. GTS in 18 min. See Flow Chart T.F.P.
No blow-back. T.S.T.P. Ran Shut-In over 15 min. Drill motor would not start.
See Flow Chart. F.F.P.
No blow-back. F.S.T.P.

Recovery — Total Feet 55 GIP 6093 Ft. in DC 55 Ft. in DP 0
 Rec. 55 Feet Of 5 1/2 Gas out mud %gas 4 %oil _____ %water 96 %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 117 °F Gravity _____ °API D@ _____ °F Corrected Gravity _____ °API _____
 RW 1.8 @ 82 °F Chlorides 2,800 ppm Recovery Chlorides 2,500 ppm System

	AK-1	Alpine	PSI	Recorder No.	T-On Location
(A) Initial Hydrostatic Mud	<u>2913</u>	<u>2924</u>		<u>3017 "05:45"</u>	<u>4:00 A.M.</u>
(B) First Initial Flow Pressure	<u>40</u>	<u>27</u>		(depth) <u>6152</u>	T-Started <u>6:00 A.M.</u>
(C) First Final Flow Pressure	<u>33</u>	<u>37</u>		Recorder No. <u>13630</u>	T-Open <u>8:10 A.M.</u>
(D) Initial Shut-In Pressure	<u>2002</u>	<u>2025</u>		(depth) <u>6187</u>	T-Pulled <u>12:55 P.M.</u>
(E) Second Initial Flow Pressure	<u>81</u>	<u>34</u>		Recorder No. _____	T-Out <u>4:45 P.M.</u>
(F) Second Final Flow Pressure	<u>63</u>	<u>32</u>		(depth) _____	T-Off Location _____
(G) Final Shut-in Pressure	<u>1999</u>	<u>2021</u>		Initial Opening <u>30</u>	Test / <input checked="" type="checkbox"/> 900
(Q) Final Hydrostatic Mud	<u>2880</u>	<u>2895</u>		Initial Shut-in <u>75</u>	Jars / <input checked="" type="checkbox"/> 200
				Final Flow <u>60</u>	Safety Joint / <input checked="" type="checkbox"/> 50
				Final Shut-in <u>120</u>	Straddle _____

71390545.017
 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 [Signature]

Our Representative [Signature]

Circ. Sub / _____
 Sampler _____
 Extra Packer _____
 Elec. Rec. / 150
 Mileage _____
 Other _____
 TOTAL PRICE \$ 4,300.00