

WELL NAME: Table Mesa 1-29
COMPANY: Raydon Exploration
LOCATION: 29-34s-30w
Meade co KS
DATE: 3/1/00

15-119-21020-00-00

NOV 18 2002
KCC WICHITA

29-34s-30w
W2SESE

29-34-30w

TRILOBITE TESTING L.L.C.

OPERATOR : Raydon Exploration

DATE 2-17-2000

WELL NAME: Table Mesa 1-29

KB 2627.00 ft

TICKET NO: 12494 DST # 1

LOCATION : 29-34s-30w Meade co KS

GR 2616.00 ft

FORMATION: Toronto

INTERVAL : 4361.00 To 4425.00 ft

TD 4450.00 ft

TEST TYPE: CONV-STRADDLE

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 30 Rec.	13278	13278	2357	10993		PF Fr. 2040 to 2110 hr
SI 60 Range(Psi)	4400.0	4400.0	5000.0	4250.0	0.0	IS Fr. 2110 to 2210 hr
SF 60 Clock(hrs)	12HR	12HR	ELECT	12HR		SF Fr. 2210 to 2310 hr
FS 120 Depth(ft)	4380.0	4380.0	4362.0	4447.0	0.0	FS Fr. 2310 to 0110 hr

	Field	1	2	3	4	
A. Init Hydro	0.0	0.0	2093.0	0.0	0.0	T STARTED 1530 hr
B. First Flow	0.0	0.0	74.0	0.0	0.0	T ON BOTM 2038 hr
B1. Final Flow	0.0	0.0	73.0	0.0	0.0	T OPEN 2040 hr
C. In Shut-in	0.0	0.0	1321.0	0.0	0.0	T PULLED 0110 hr
D. Init Flow	0.0	0.0	55.0	0.0	0.0	T OUT 0445 hr
E. Final Flow	0.0	0.0	79.0	0.0	0.0	
F. Fl Shut-in	0.0	0.0	1322.0	0.0	0.0	
G. Final Hydro	0.0	0.0	2077.0	0.0	0.0	
Inside/Outside	I	I	I	I		

TOOL DATA-----

Tool Wt.	2300.00 lbs
Wt Set On Packer	25000.00 lbs
Wt Pulled Loose	10000.00 lbs
Initial Str Wt	92000.00 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	686.00 ft
D.P. Length	3663.00 ft

RECOVERY

Tot Fluid 360.00 ft of 360.00 ft in DC and 0.00 ft in DP

3989.00 ft of Gas in pipe.

360.00 ft of Mud with trace of oil

0.00 ft of 100% 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:

Strong blow. Bottom of bucket in 1 minute. Gas to surface in 19 minutes.

Initial Shut-In:

Weak surface blow.

Final Flow:

Bottom of bucket immediately.

Gas will burn. See gas flow chart.

Final Shut-In:

Weak surface blow.

SAMPLES: Caught one sample

SENT TO: Carraway

MUD DATA-----

Mud Type	Chemical
Weight	9.00 lb/c
Vis.	50.00 S/L
W.L.	8.80 in3
F.C.	0.00 in
Mud Drop Y	30.0 ft

Amt. of fill	0.00 ft
Btm. H. Temp.	116.00 F
Hole Condition	Good
% Porosity	10.00
Packer Size	6.75 in
No. of Packers	3
Cushion Amt.	0.00
Cushion Type	
Reversed Out N	
Tool Chased N	
Tester	Brad Bortz
Co. Rep.	Ed Grieves
Contr.	Big A
Rig #	1
Unit #	
Pump T.	

Test Successful: Y

GAS RECOVERY

COMPANY: Raydon Exploration

DATE: 2-17-2000

WELL NAME: Table Mesa 1-29

KB Elev: 2627.00 ft TICKET #12494 DST # 1

WELL LOCATION: 29-34s-30w Meade co KS

GR Elev: 2616.00 ft FORMATION: Toronto

INTERVAL Fr.: 4361.00 To 4425.00 T.D.: 4450.00 ft TEST TYPE: CONV-STRADDLE

GAS RECOVERY MEASURED WITH 2" MERLA ORFICE

***** GAS RATES FOR FLOW #1

Time (min)	Orifice (in)	Pressure (Psi)	H2O (in)	Rate (cf/d)
20	0.50	0	8	17200.0
30	0.50	0	12	21900.0

***** GAS RATES FOR FLOW #2

Time (min)	Orifice (in)	Pressure (Psi)	H2O (in)	Rate (cf/d)
10	0.75	0	6	34700.0
20	0.75	0	6	34700.0
30	0.75	0	7	37400.0
40	0.75	0	8	40000.0
50	0.75	0	8	40000.0
60	0.75	0	9	42500.0

*** TOOL DIAGRAM *** CONV-STRADDLE

WELL NAME: Table Mesa 1-29

LOCATION : 29-34s-30w Meade co KS

TICKET No. 12494 D.S.T. No. 1 DATE 2-17-2000

TOTAL TOOL TO BOTTOM OF TOP PACKERS 27

INTERVAL TOOL 25

BOTTOM PACKERS AND ANCHOR 64

TOTAL TOOL 116

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.Stands 11 Single 1 Total 686

D.P. ABOVE TOOLS.Stands 59 Single 1 Total 3663

TOTAL DRILL COLLARS DRILL PIPE & TOOLS .. 4465

TOTAL DEPTH 4450

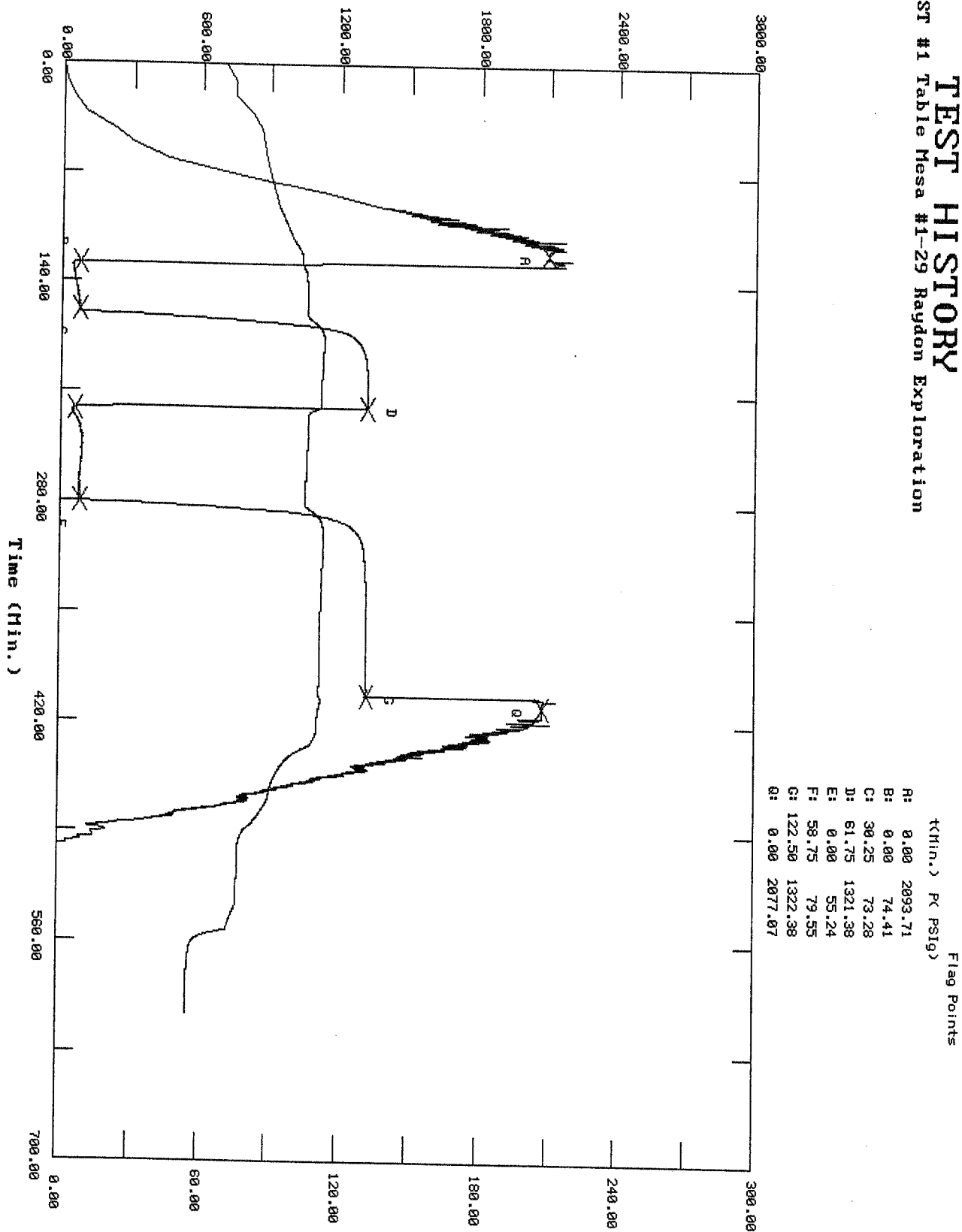
TOTAL DRILL PIPE ABOVE K.B. 15

REMARKS:

	P.O. SUB Cir. sub	4272
	C.O. SUB Top of tool	4334
	Double pin	4335
	S.I. TOOL Sterling	4340
	HMV Sterling	4345
	JARS Sterling	4350
	SAFETY JOINT Sterling	4352
	PACKER Sparton	4357
	PACKER Sparton	4361
	DEPTH	
	1 ft.	4362
	ANCHOR Alpine	4362
	Pu sub	4367
	17 ft. perfs	4384
	31 ft. jt.dp	4415
	1 ft. c.o.	4416
	Pu sub	4421
	1 ft. blank	4422
	3 ft. packer	4425
	PACKER Sparton "Center"	4425
	2 ft. packer	4427
	AK-1	4447
	21 ft. perfs	4448
	BULLNOSE 2 ft. perfs	
	T.D.	4450

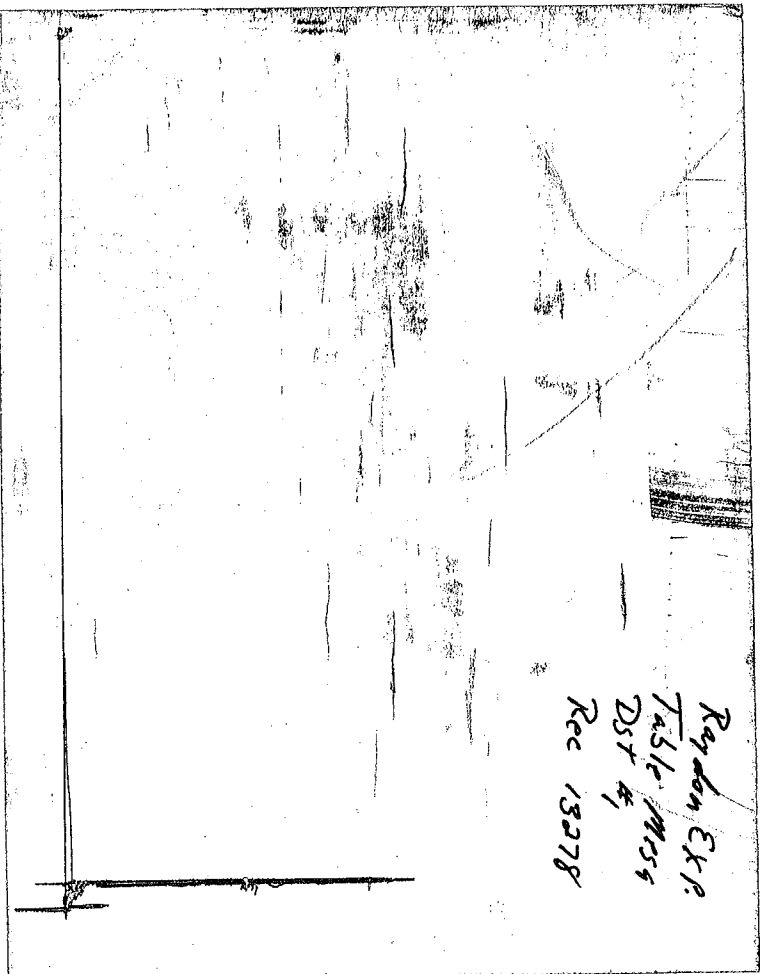
TEST HISTORY

12494 DST #1 Table Mesa #1-29 Raydon Exploration



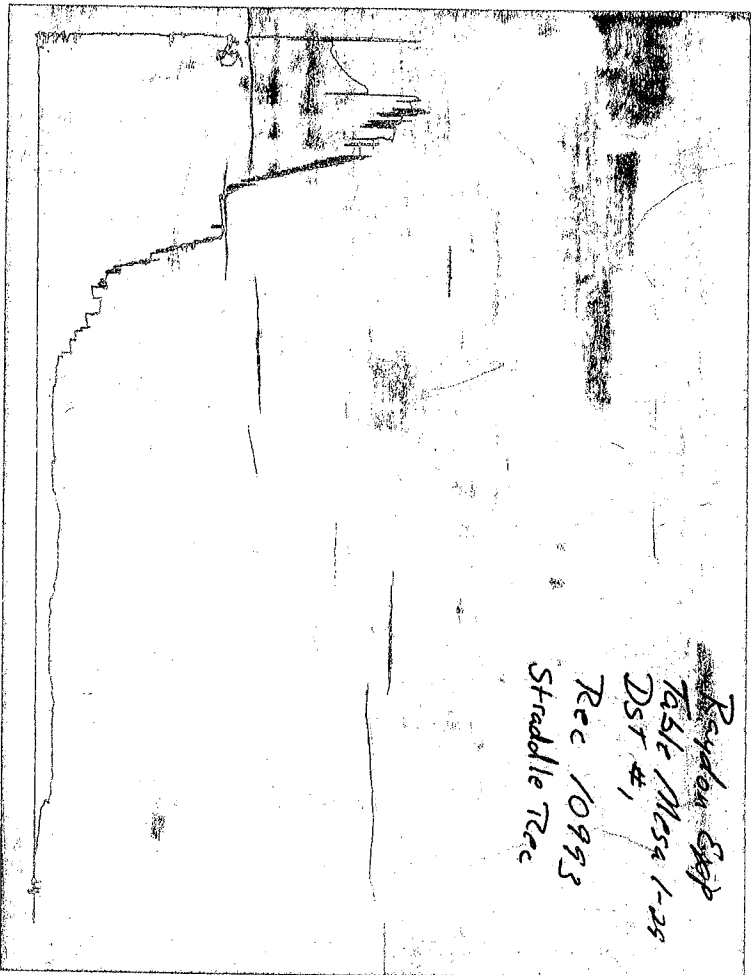
Temperature (DEG F)

CHART PAGE



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

CHART PAGE



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



GAS VOLUME REPORT

POST NO

1st Flow

2nd Flow[illegible]

Remarks:

TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Test Ticket

Nº 12494

Well Name & No.	Table Mesa #1-29		Test No.	1	Date	2-17-2000
Company	Raydon Exploration		Zone Tested	Toronto		
Address	9400 N. Broadway S. 400 Oklahoma City OK 73114		Elevation	2627	KB	2614 GL
Co. Rep / Geo.	Ed Grieves	Cont.	Big A #1	Est. Ft. of Pay	10	Por. 10 %
Location: Sec.	29	Twp.	34s	Rge.	30w	Co. Meade State KS
No. of Copies	Distribution Sheet (Y, N)		Turnkey (Y, N)	Evaluation (Y, N)		

Interval Tested 4361 - 4425 Straddle Test Initial Str Wt./Lbs. 92,000 Unseated Str Wt./Lbs. 10,000
Anchor Length 64' Tool 27' Tailpipe 25' Wt. Set Lbs. 25,000 Wt. Pulled Loose/Lbs. 10,000
Top Packer Depth 4356 Tool Weight 2,300
Bottom Packer Depth 4361 Straddle Pack @ 4425 Hole Size — 7 7/8" — Rubber Size — 6 3/4" —
Total Depth 4450 Wt. Pipe Run 59 1-Std 1-Single Drill Collar Run 686'
Mud Wt. 9.0 LCM 4# Vis. 50 WL 8.8 Drill Pipe Size 4 1/2" x H Ft. Run 3663 15' up

Blow Description Strong Blow O.B.B. in 1 min G.T.S. in 19 min I.F.P.

Weak Surface Blow on T.S.T.P.

Bottom of bucket timed on F.F.P. See gss Flow Chart

Weak surface Blow on F.S.T.P.

Recovery — Total Feet	GIP	Ft. in DC	Ft. in DP
<u>360</u>	<u>3989</u>	<u>360</u>	—
Rec. <u>360</u>	Feet Of <u>mud Trace of oil</u>	%gas	%oil
Rec. —	Feet Of —	%gas	%oil
Rec. —	Feet Of —	%gas	%oil
Rec. —	Feet Of —	%gas	%oil
Rec. —	Feet Of —	%gas	%oil
BHT <u>116°</u>	°F Gravity —	°API D@ —	°F Corrected Gravity —
RW —	@ —	°F Chlorides —	ppm Recovery Chlorides —

	AK-1	Alpine	PSI	Recorder No.	T-On Location
(A) Initial Hydrostatic Mud	—	<u>2093</u>	PSI	<u>2357 Alpine</u>	<u>3:30 PM</u>
(B) First Initial Flow Pressure	—	<u>74</u>	PSI	(depth) <u>4362</u>	<u>6:31 PM</u>
(C) First Final Flow Pressure	—	<u>73</u>	PSI	Recorder No. <u>13278</u>	<u>8:40 PM</u>
(D) Initial Shut-In Pressure	—	<u>1321</u>	PSI	(depth) <u>4380</u>	<u>1:10 AM</u>
(E) Second Initial Flow Pressure	—	<u>55</u>	PSI	Recorder No. <u>10993</u>	<u>4:45 AM</u>
(F) Second Final Flow Pressure	—	<u>79</u>	PSI	(depth) <u>4447</u>	T-Off Location
(G) Final Shut-in Pressure	—	<u>1322</u>	PSI	Initial Opening <u>30</u>	Test — <u>700</u>
(Q) Final Hydrostatic Mud	—	<u>2077</u>	PSI	Initial Shut-in <u>60</u>	Jars — <u>200</u>
				Final Flow <u>40</u>	Safety Joint — <u>50</u>
				Final Shut-in <u>120</u>	Straddle — <u>250</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 Edin V. Grieves

Our Representative Brad Boy

Mileage —
Other 2 @ 30 60.00
TOTAL PRICE \$ 1560

TRILOBITE TESTING L.L.C.

OPERATOR : Raydon Exploration

DATE 2-18-2000

WELL NAME: Table Mesa 1-29

KB 2627.00 ft

TICKET NO: 12495 DST # 2

LOCATION : 29-34s-30w Meade co KS

GR 2616.00 ft

FORMATION: Lansing "A"

INTERVAL : 4527.00 To 4541.00 ft

TD 4541.00 ft

TEST TYPE: CONVENTIONAL

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 30 Rec.	13278	13278	2357			PF Fr. 2246 to 2316 hr
SI 60 Range(Psi)	4400.0	4400.0	5000.0	0.0	0.0	IS Fr. 2316 to 0016 hr
SF 60 Clock(hrs)	12HR	12HR	ELECT			SF Fr. 0016 to 0116 hr
FS 120 Depth(ft)	4538.0	4538.0	4528.0	0.0	0.0	FS Fr. 0116 to 0316 hr

	Field	1	2	3	4	
A. Init Hydro	2196.0	2143.0	2160.0	0.0	0.0	T STARTED 1930 hr
B. First Flow	242.0	235.0	142.0	0.0	0.0	T ON BOTM 2244 hr
B1. Final Flow	286.0	288.0	322.0	0.0	0.0	T OPEN 2246 hr
C. In Shut-in	1126.0	1140.0	1168.0	0.0	0.0	T PULLED 0316 hr
D. Init Flow	484.0	508.0	394.0	0.0	0.0	T OUT 0930 hr
E. Final Flow	595.0	605.0	622.0	0.0	0.0	
F. Fl Shut-in	1148.0	1164.0	1184.0	0.0	0.0	
G. Final Hydro	2041.0	2066.0	2048.0	0.0	0.0	
Inside/Outside	I	I	I			

TOOL DATA-----

Tool Wt.	1800.00 lbs
Wt Set On Packer	25000.00 lbs
Wt Pulled Loose	15000.00 lbs
Initial Str Wt	94000.00 lbs
Unseated Str Wt	104000.00 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	686.00 ft
D.P. Length	3820.00 ft

RECOVERY

Tot Fluid 1310.00 ft of 686.00 ft in DC and 624.00 ft in DP
 3190.00 ft of Gas in pipe.
 150.00 ft of Clean oil 100% oil
 120.00 ft of Gassy oil cut mud
 0.00 ft of 50% gas 10% oil 40% mud
 50.00 ft of Gassy oil cut mud & water
 0.00 ft of 46% gas 4% oil 10% water 40% mud
 980.00 ft of Gassy salt water
 0.00 ft of 100% water
 SALINITY 27000.00 P.P.M. A.P.I. Gravity 31.00

MUD DATA-----

Mud Type	Chemical
Weight	9.00 lb/cf
Vis.	48.00 S/L
W.L.	8.40 in3
F.C.	0.00 in
Mud Drop Y	30.0 ft

BLOW DESCRIPTION

Initial Flow:
 Strong blow. Bottom of bucket
 immediately. Gas to surface in 8
 minutes.

Initial Shut-In:
 Strong blow bottom of bucket.

Final Flow:
 Fair blow built to strong blow.
 Bottom of bucket in 6 minutes.
 See gas flow chart.

Final Shut-In:
 Strong blow bottom of bucket.
 Gas will burn.

SAMPLES: Caught one sample.

TEST TO: Carraway

Amt. of fill	0.00 ft
Btm. H. Temp.	118.00 F
Hole Condition	Good
% Porosity	6.00
Packer Size	6.75 in
No. of Packers	2
Cushion Amt.	0.00
Cushion Type	
Reversed Out N	
Tool Chased N	
Tester	Brad Bortz
Co. Rep.	Ed Grieves
Contr.	Big A
Rig #	1
Unit #	
Pump T.	

Test Successful: Y

GAS RECOVERY

COMPANY: Raydon Exploration

DATE: 2-18-2000

WELL NAME: Table Mesa 1-29

KB Elev: 2627.00 ft TICKET #12495 DST # 2

WELL LOCATION: 29-34s-30w Meade co KS

GR Elev: 2616.00 ft FORMATION: Lansing "A"

INTERVAL Fr.: 4527.00 To 4541.00 T.D.: 4541.00 ft TEST TYPE: CONVENTIONAL

GAS RECOVERY MEASURED WITH 2" MERLA ORFICE

***** GAS RATES FOR FLOW #1

Time (min)	Orifice (in)	Pressure (Psi)	H2O (in)	Rate (cf/d)
10	0.75	0	3	24500.0
20	0.50	0	2	8870.0
30	0.50	0	2	8870.0

***** GAS RATES FOR FLOW #2

Time (min)	Orifice (in)	Pressure (Psi)	H2O (in)	Rate (cf/d)
10	0.38	0	3	6180.0
20	0.25	0	1	1680.0
30	0.25	0	3	2920.0
40	0.25	0	4	3370.0
50	0.25	0	3	2920.0
60	0.25	0	3	2920.0

P.O.	SUB Cir sub	4438
C.O.	SUB Top of tool	4500
	Double pin	4501
S.I.	TOOL Sterling	4506
HMV	Sterling	4511
JARS	Sterling	4516
SAFETY JOINT	Sterling	4518
PACKER	Sparton	4523
PACKER	Sparton	4527
DEPTH		
	1 ft.	4528
ANCHOR	Alpine	4528
Pu	sub	4533
AK-1		4538
	6 ft. perfs	4539
BULLNOSE	2 ft. perfs	
T.D.		4541

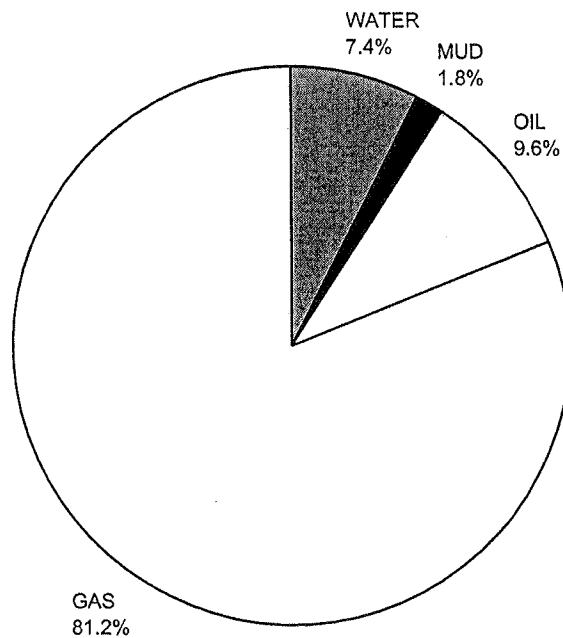
CALCULATED RECOVERY ANALYSIS

DST 2

TICKET 12495

SAMPLE #		TOTAL FEET	GAS %	FEET	OIL %	FEET	WATER %	FEET	MUD %	FEET
DRILL	1	3190	100	3190	0	0	0	0	0	0
PIPE	2	150	0	0	100	150	0	0	0	0
	3	120	50	60	10	0	0	0	40	48
	4	60	46	27.6	4	2.4	10	6	40	24
	5	294	0	0	0	0	100	294	0	0
	6	0	0	0	0	0	0	0	0	0
WEIGHT	1	0	0	0	0	0	0	0	0	0
PIPE	2	0	0	0	0	0	0	0	0	0
	3	0	0	0	0	0	0	0	0	0
	4	0	0	0	0	0	0	0	0	0
	5	0	0	0	0	0	0	0	0	0
DRILL	1	686	0	0	100	686	0	0	0	0
COLLARS	2	0	0	0	0	0	0	0	0	0
	3	0	0	0	0	0	0	0	0	0
	4	0	0	0	0	0	0	0	0	0
	5	0	0	0	0	0	0	0	0	0
TOTAL		4500	0	3277.6	0	838.4	0	300	0	72

BBL OIL= 5.521668 * HRS OPEN 1.5 = BBL/DAY 88.346688
 BBL WATER= 4.266 * = 68.256
 BBL MUD= 1.02384
 BBL GAS = 46.607472



TEST HISTORY

12495 DST #2 Table Mesa 1-29 Raydon Exploration

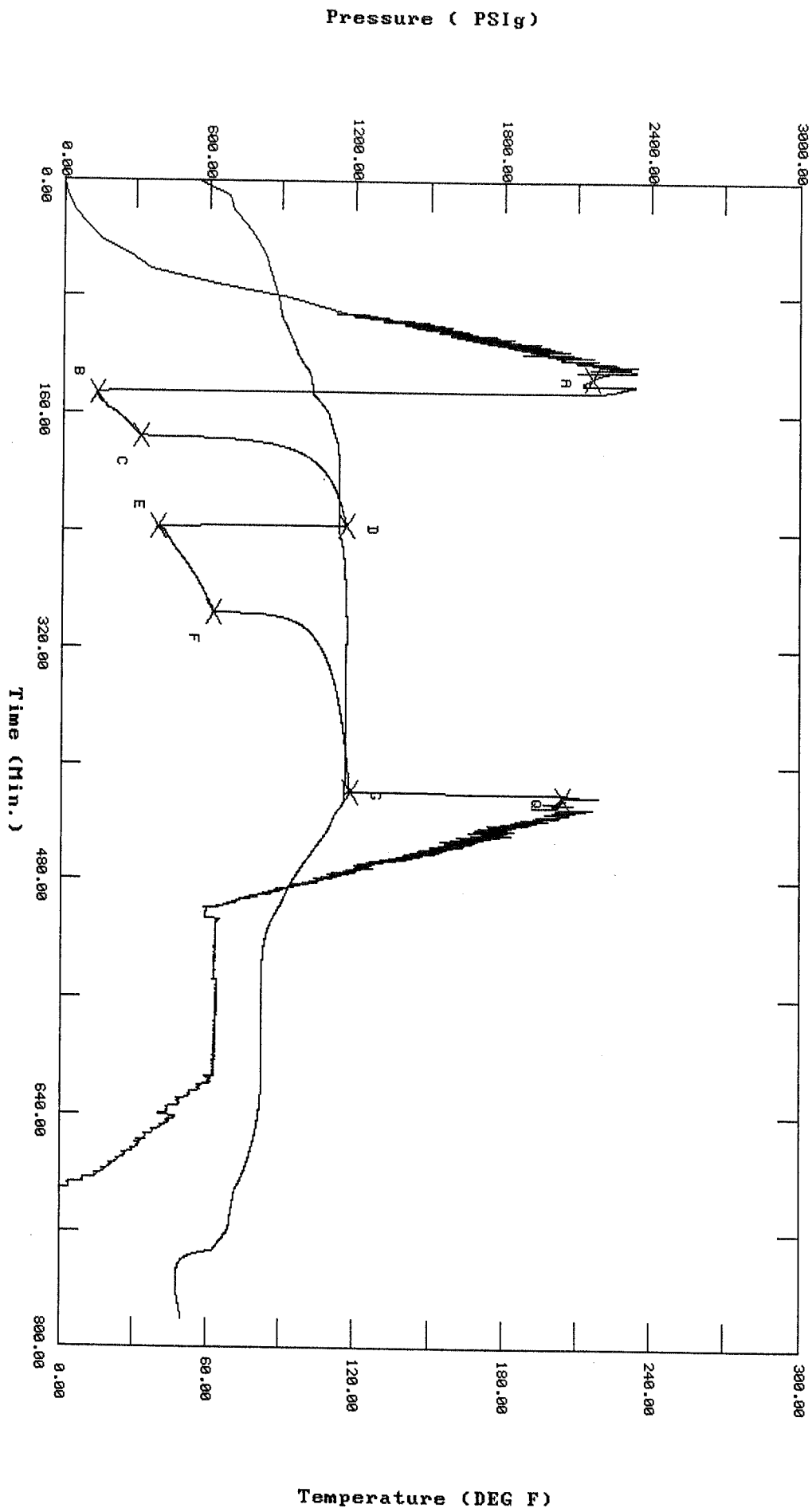
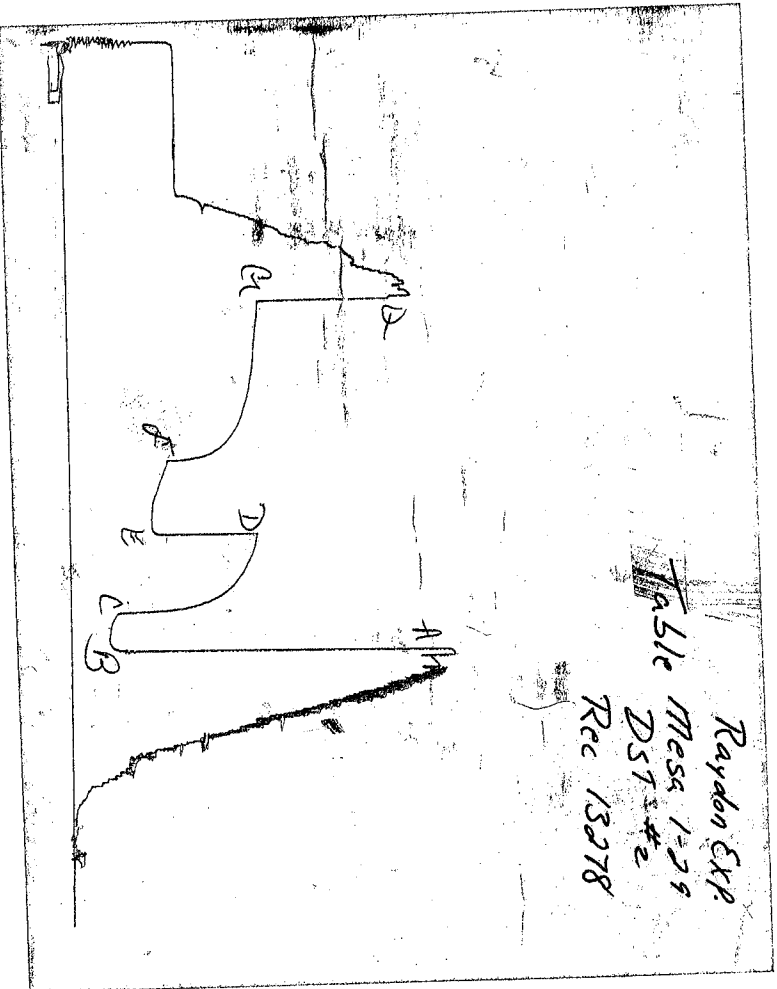


CHART PAGE



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



GAS VOLUME REPORT

Raydon Exploration

Table Mesa 1-29

WELL NAME AND NO.

DST NO.

G.T.S. in 8min.

157 Flow

22nd F/aW

Remarks: gas will burn

Caught gas Smpl Sent to Carraway

TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Test Ticket

Nº 12495

Well Name & No.	<u>Table Mesa 1-29</u>	Test No.	<u>2</u>	Date	<u>2-18-2000</u>
Company	<u>Raydon Exploration</u>	Zone Tested	<u>Lansing "A"</u>		
Address	<u>9400 N. Broadway S. 400 Oklahoma City OK</u>	Elevation	<u>2627</u>	KB	<u>26116</u> GL
Co. Rep / Geo.	<u>Ed Grieves</u>	Cont.	<u>Big "A" #1</u>	Est. Ft. of Pay	<u>6</u> Por. <u>15</u> %
Location: Sec.	<u>29</u>	Twp.	<u>34S</u>	Rge.	<u>30W</u> Co. <u>Meade</u> State <u>Ks</u>
No. of Copies		Distribution Sheet (Y, N)		Turnkey (Y, N)	
		Evaluation (Y, N)			

Interval Tested	<u>4527 - 4541</u>	Initial Str Wt./Lbs.	<u>94,000</u>	Unseated Str Wt./Lbs.	<u>104,000</u>
Anchor Length	<u>14'</u> <u>Tml 27'</u>	Wt. Set Lbs.	<u>25,000</u>	Wt. Pulled Loose/Lbs.	<u>15,000</u>
Top Packer Depth	<u>4522</u>	Tool Weight	<u>1,800</u>		
Bottom Packer Depth	<u>4527</u>	Hole Size — 7 7/8" —		Rubber Size — 6 3/4" —	
Total Depth	<u>4541</u>	Wt. Pipe Run		Drill Collar Run	<u>115th 1-5 Single 686'</u>
Mud Wt.	<u>9.0</u> LCM <u>3rd</u> Vis. <u>48</u> WL <u>8.4</u>	Drill Pipe Size	<u>4 1/2 X H</u>	Ft. Run	<u>3820'</u> <u>6' up</u>

Blow Description Strong Blow O.B.B. Immediately GTS in 8min I.F.P.
Strong Blow O.B.B. I.S.I.P.
Fair Blow Built to Strong Blow O.B.B. in 1min F.F.P. See gas Flow Chart
Strong Blow O.B.B. F.S.I.P.

Recovery — Total Feet	<u>1310'</u>	GIP	<u>3190</u>	Ft. in DC	<u>686</u>	Ft. in DP	<u>624</u>
Rec.	<u>150'</u>	Feet Of	<u>Clean oil</u>	%gas	<u>100</u> %oil	%water	%mud
Rec.	<u>120'</u>	Feet Of	<u>gassy oil Cut mud</u>	<u>50</u> %gas	<u>10</u> %oil	%water	<u>40</u> %mud
Rec.	<u>60'</u>	Feet Of	<u>gassy oil Cut mud & water</u>	<u>46</u> %gas	<u>4</u> %oil	<u>10</u> %water	<u>40</u> %mud
Rec.	<u>980'</u>	Feet Of	<u>gassy salt water</u>	%gas	%oil	<u>100</u> %water	%mud
Rec.		Feet Of		%gas	%oil	%water	%mud
BHT	<u>118°</u>	°F Gravity	<u>30</u>	°API D@	<u>60</u>	°F Corrected Gravity	<u>31</u> °API
RW	<u>.615</u> @ <u>32°</u>	°F Chlorides	<u>27,000</u>	ppm Recovery		Chlorides	<u>3100</u> ppm System

	AK-1	Alpine				
(A) Initial Hydrostatic Mud	<u>2196</u>	<u>2160</u>	PSI Recorder No.	<u>2357</u>	T-On Location	<u>7:30 PM</u>
(B) First Initial Flow Pressure	<u>242</u>	<u>142</u>	PSI (depth)	<u>4528'</u>	T-Started	<u>8:20 PM</u>
(C) First Final Flow Pressure	<u>286</u>	<u>322</u>	PSI Recorder No.	<u>13278</u>	T-Open	<u>10:46 PM</u> (32)
(D) Initial Shut-In Pressure	<u>1126</u>	<u>1168</u>	PSI (depth)	<u>4538</u>	T-Pulled	<u>3:16 AM</u>
(E) Second Initial Flow Pressure	<u>484</u>	<u>394</u>	PSI Recorder No.	<u>—</u>	T-Out	<u>9:30 AM</u>
(F) Second Final Flow Pressure	<u>595</u>	<u>622</u>	PSI (depth)	<u>—</u>	T-Off Location	
(G) Final Shut-in Pressure	<u>1148</u>	<u>1184</u>	PSI Initial Opening	<u>30</u>	Test	<u>✓</u> <u>700</u>
(Q) Final Hydrostatic Mud	<u>2041</u>	<u>2048</u>	PSI Initial Shut-in	<u>60</u>	Jars	<u>✓</u> <u>200</u>
			Final Flow	<u>60</u>	Safety Joint	<u>✓</u> <u>50</u>
			Final Shut-in	<u>120</u>	Straddle	
					Circ. Sub	<u>✓</u>
					Sampler	
					Extra Packer	
					Elec. Rec.	<u>✓</u> <u>150</u>
					Mileage	
					Other	<u>ext 5 @ 30 150</u>
					TOTAL PRICE \$	<u>1250</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 Ed Grieves

Our Representative Brad Bortz

TRILOBITE TESTING L.L.C.

OPERATOR : Raydon Exploration

DATE 2-20-2000

WELL NAME: Table Mesa 1-29

KB 2627.00 ft

TICKET NO: 12496 DST # 3

LOCATION : 29-34s-30w Meade co KS

GR 2616.00 ft

FORMATION: Kanas City

INTERVAL : 4787.00 To 4810.00 ft

TD 4810.00 ft

TEST TYPE: CONVENTIONAL

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 30 Rec.	13278	13278	2357			PF Fr. 1430 to 1500 hr
SI 60 Range(Psi)	4400.0	4400.0	5000.0	0.0	0.0	IS Fr. 1500 to 1600 hr
SF 60 Clock(hrs)	12HR	12HR	ELECT			SF Fr. 1600 to 1700 hr
FS 60 Depth(ft)	4807.0	4807.0	4788.0	0.0	0.0	FS Fr. 1700 to 1800 hr

	Field	1	2	3	4	
A. Init Hydro	2251.0	2286.0	2331.0	0.0	0.0	T STARTED 1228 hr
B. First Flow	176.0	182.0	24.0	0.0	0.0	T ON BOTM 1428 hr
B1. Final Flow	176.0	167.0	36.0	0.0	0.0	T OPEN 1430 hr
C. In Shut-in	1225.0	1224.0	1256.0	0.0	0.0	T PULLED 1800 hr
D. Init Flow	187.0	187.0	24.0	0.0	0.0	T OUT 2130 hr
E. Final Flow	176.0	174.0	56.0	0.0	0.0	
F. Fl Shut-in	1181.0	1174.0	1192.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	2218.0	2220.0	2248.0	0.0	0.0	Tool Wt. 1800.00 lbs
Inside/Outside	I	I	I			Wt Set On Packer 25000.00 lbs
						Wt Pulled Loose 55000.00 lbs
						Initial Str Wt 90000.00 lbs
						Unseated Str Wt 104000.00 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 686.00 ft
						D.P. Length 4097.00 ft

RECOVERY

Tot Fluid 150.00 ft of 150.00 ft in DC and 0.00 ft in DP
 1655.00 ft of Gas in pipe.
 150.00 ft of Gassy water cut mud
 0.00 ft of 6% gas 8% water 86% mud
 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:
 Strong blow. Bottom of bucket in 30 seconds.

Initial Shut-In:
 Weak surface blow died in 15 minutes.

Final Flow:
 Strong blow. Bottom of bucket immediately.

Final Shut-In:
 No blow back.

AMPLES: None
 ENT TO:

Test Successful: Y

MUD DATA-----

Mud Type	Chemical
Weight	9.00 lb/cf
Vis.	46.00 S/L
W.L.	7.60 in3
F.C.	0.00 in
Mud Drop Y	30.0 ft

Amt. of fill	0.00 ft
Btm. H. Temp.	1180.00 F
Hole Condition	Stickey
% Porosity	15.00
Packer Size	6.75 in
No. of Packers	2
Cushion Amt.	0.00
Cushion Type	
Reversed Out N	
Tool Chased N	
Tester	Brad Bortz
Co. Rep.	Ed Grieves
Contr.	Big A
Rig #	1
Unit #	
Pump T.	

*** TOOL DIAGRAM *** CONVENTIONAL

WELL NAME: Table Mesa 1-29

LOCATION : 29-34s-30w Meade co KS

TICKET No. 12496 D.S.T. No. 3 DATE 2-20-2000

TOTAL TOOL TO BOTTOM OF TOP PACKERS 27

INTERVAL TOOL

BOTTOM PACKERS AND ANCHOR 23

TOTAL TOOL 50

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.Stands 11 Single 1 Total 686

D.P. ABOVE TOOLS.Stands 66 Single 1 Total 4097

TOTAL DRILL COLLARS DRILL PIPE & TOOLS .. 4833

TOTAL DEPTH 4810

TOTAL DRILL PIPE ABOVE K.B. 23

REMARKS:

P.O. SUB Cir sub	4698
C.O. SUB Top of tool	4760
Double pin	4761
S.I. TOOL Sterling	4766
HMV Sterling	4771
JARS Sterling	4776
SAFETY JOINT Sterling	4778
PACKER Sparton	4783
PACKER Sparton	4787
DEPTH	
1 ft.	4788
ANCHOR Alpine	4788
Pu. sub	4793
AK-1	4807
15 ft. perfs	4808
BULLNOSE 2 ft. perfs	
T.D.	4810

TEST HISTORY

12496 DST #3 Table Mesa 1-29 Raydon Exploration

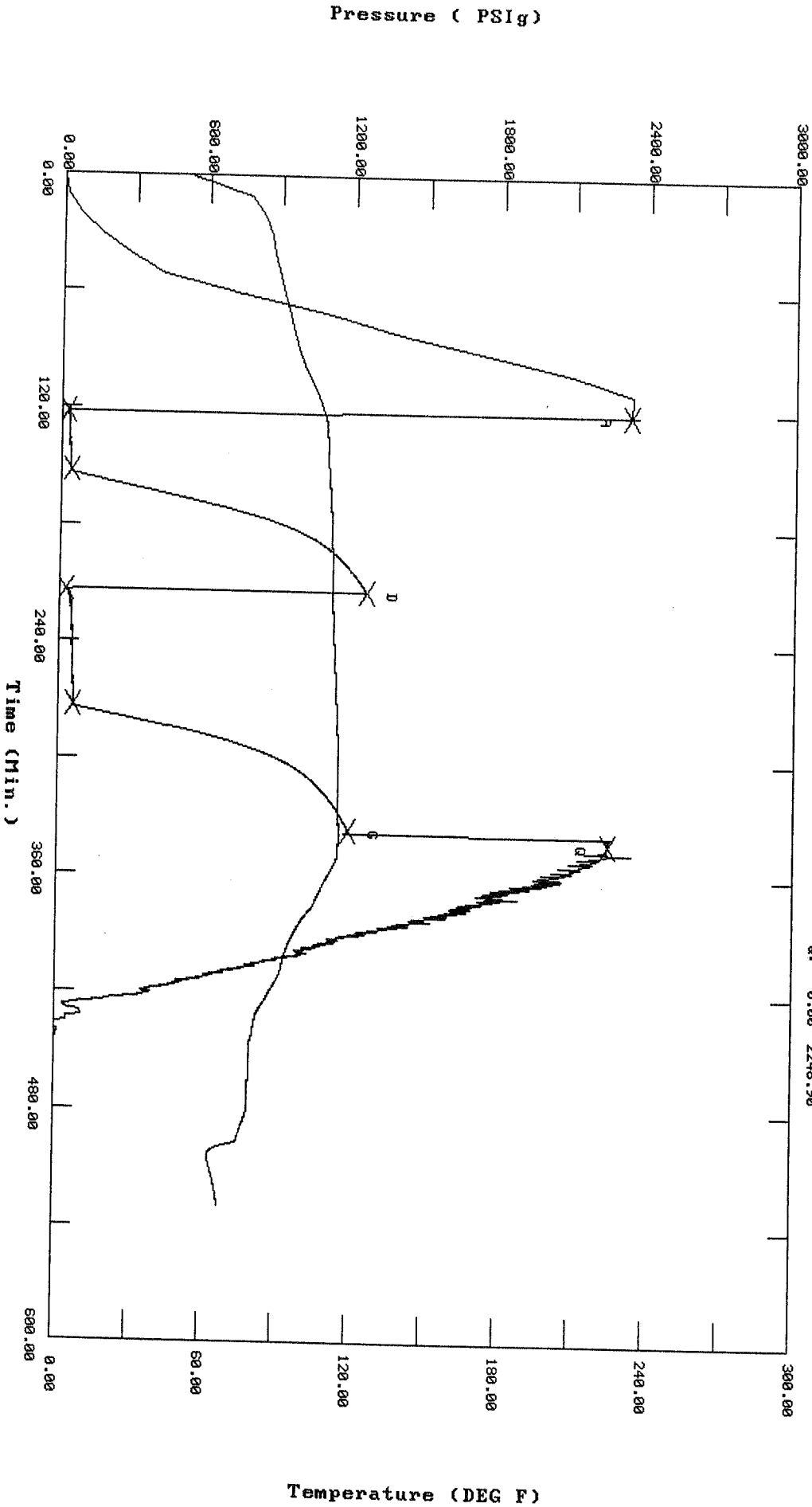
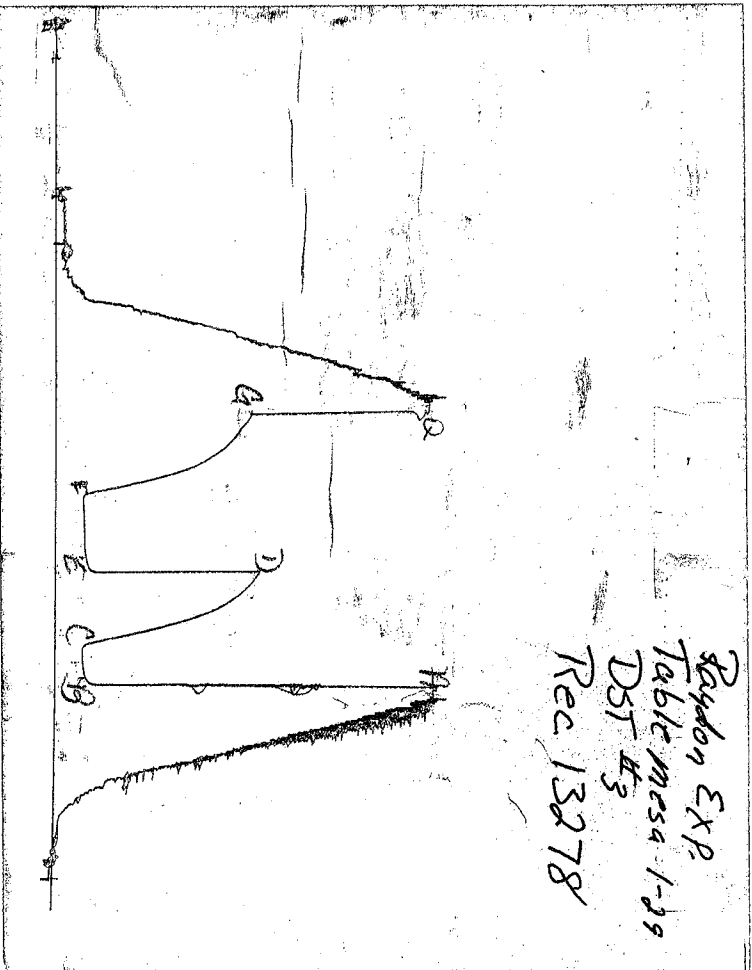


CHART PAGE



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 12496

Well Name & No.	<u>Table Mesa 1-29</u>		Test No.	<u>3</u>	Date	<u>2-20-2000</u>	
Company	<u>Raydon Exploration</u>			Zone Tested	<u>KC</u>		
Address	<u>9400 N. Broadway S. 400 Okla. City OK 73114</u>			Elevation	<u>2627</u>	KB	<u>2616</u> GL
Co. Rep / Geo.	<u>Ed Grieves</u>	Cont.	<u>Big A 1</u>	Est. Ft. of Pay	<u>4</u>	Por.	<u>15</u> %
Location: Sec.	<u>29</u>	Twp.	<u>34s</u>	Rge.	<u>30W</u>	Co.	<u>Meade</u> State <u>Ks</u>
No. of Copies	<u>R</u>	Distribution Sheet (Y, N)			Turnkey (Y, N)	<u>—</u>	
				Evaluation (Y, N)	<u>—</u>		

Interval Tested	<u>4787 - 4810</u>	Initial Str Wt./Lbs.	<u>90,000</u>	Unseated Str Wt./Lbs.	<u>104,000</u>
Anchor Length	<u>23'</u> tool <u>27'</u>	Wt. Set Lbs.	<u>25,000</u>	Wt. Pulled Loose/Lbs.	<u>55,000</u>
Top Packer Depth	<u>4782</u>	Tool Weight	<u>1,800</u>		
Bottom Packer Depth	<u>4787</u>	Hole Size — 7 7/8" —	Rubber Size — 6 3/4" —		
Total Depth	<u>4810</u>	Wt. Pipe Run	<u>—</u>	1 1/2" and 1-Sing.	Drill Collar Run <u>686'</u>
Mud Wt.	<u>9.0*</u> LCM <u>4</u> Vis. <u>46</u> WL <u>7.6</u>	Drill Pipe Size	<u>4 1/2 x H.</u>	Ft. Run	<u>4097 23" up</u>

Blow Description Strong Blow O.B.B. in 30 sec. I.F.P.
Weak Surface Blow Died in 15 min I.S.P.
Strong Blow O.B.B. Immediately F.F.P.
no Blow Back on F.S.T.P.

Recovery — Total Feet	<u>150</u>	GIP	<u>1655</u>	Ft. in DC	<u>150'</u>	Ft. in DP	<u>—</u>
Rec.	<u>150'</u>	Feet Of	<u>gassy water cut mud</u>	6 %gas	%oil	8 %water	86 %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 118° °F Gravity — °API D@ — °F Corrected Gravity — °API
 RW — @ — °F Chlorides — ppm Recovery Chlorides — ppm System

	AK-1	Alpine	PSI	Recorder No.	T-On Location
(A) Initial Hydrostatic Mud	<u>2251</u>	<u>2331</u>		<u>2357</u>	<u>11:45 AM</u>
(B) First Initial Flow Pressure	<u>176</u>	<u>248</u>	PSI	(depth) <u>4788</u>	T-Started <u>12:28</u>
(C) First Final Flow Pressure	<u>176</u>	<u>36</u>	PSI	Recorder No. <u>13278</u>	T-Open <u>2:30 PM</u>
(D) Initial Shut-In Pressure	<u>1225</u>	<u>1256</u>	PSI	(depth) <u>4807</u>	T-Pulled <u>7:00 PM</u>
(E) Second Initial Flow Pressure	<u>187</u>	<u>24</u>	PSI	Recorder No. <u>—</u>	T-Out <u>—</u>
(F) Second Final Flow Pressure	<u>176</u>	<u>56</u>	PSI	(depth) <u>—</u>	T-Off Location <u>—</u>
(G) Final Shut-in Pressure	<u>1181</u>	<u>1192</u>	PSI	Initial Opening <u>30</u>	Test <u>✓</u> <u>700</u>
(Q) Final Hydrostatic Mud	<u>2218</u>	<u>2248</u>	PSI	Initial Shut-in <u>60</u>	Jars <u>✓</u> <u>200</u>
				Final Flow <u>60</u>	Safety Joint <u>✓</u> <u>50</u>
				Final Shut-in <u>60</u>	Straddle <u>—</u>
					Circ. Sub <u>✓</u>
					Sampler <u>—</u>
					Extra Packer <u>—</u>
					Elec. Rec. <u>✓</u> <u>150</u>
					Mileage <u>—</u>
					Other <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 Ed Grieves

Our Representative Brad Boy

TOTAL PRICE \$ 1100

TRILOBITE TESTING L.L.C.

OPERATOR : Raydon Exploration

DATE 2-21-2000

WELL NAME: Table Mesa 1-29

KB 2627.00 ft

TICKET NO: 12497 DST # 4

LOCATION : 29-34s-30w Meade co KS

GR 2616.00 ft

FORMATION: Kanas City

INTERVAL : 4817.00 To 4832.00 ft

TD 4832.00 ft

TEST TYPE: CONVENTIONAL

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 30 Rec.	13278	13278	2357			PF Fr. 1348 to 1418 hr
SI 60 Range(Psi)	4400.0	4400.0	5000.0	0.0	0.0	IS Fr. 1418 to 1518 hr
SF 60 Clock(hrs)	12HR	12HR	ELECT			SF Fr. 1518 to 1618 hr
FS 120 Depth(ft)	4829.0	4829.0	4818.0	0.0	0.0	FS Fr. 1618 to 1818 hr

	Field	1	2	3	4	
A. Init Hydro	2240.0	2248.0	2373.0	0.0	0.0	T STARTED 1140 hr
B. First Flow	198.0	197.0	75.0	0.0	0.0	T ON BOTM 1346 hr
B1. Final Flow	198.0	197.0	106.0	0.0	0.0	T OPEN 1348 hr
C. In Shut-in	1413.0	1420.0	1444.0	0.0	0.0	T PULLED 1818 hr
D. Init Flow	231.0	239.0	90.0	0.0	0.0	T OUT 2145 hr
E. Final Flow	242.0	258.0	208.0	0.0	0.0	
F. Fl Shut-in	1424.0	1423.0	1430.0	0.0	0.0	
G. Final Hydro	2273.0	2288.0	2278.0	0.0	0.0	
Inside/Outside	I	I	I			

TOOL DATA-----

Tool Wt.	1800.00 lbs
Wt Set On Packer	25000.00 lbs
Wt Pulled Loose	45000.00 lbs
Initial Str Wt	76000.00 lbs
Unseated Str Wt	86000.00 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	328.00 ft
D.P. Length	4469.00 ft

RECOVERY

Tot Fluid 558.00 ft of 328.00 ft in DC and 230.00 ft in DP

4239.00 ft of Gas in pipe

92.00 ft of Clean oil 100% oil

156.00 ft of Gassy oil cut mud

0.00 ft of 26% gas 40% oil 34% mud

124.00 ft of Gassy oil water cut mud

0.00 ft of 40% gas 6% oil 24% water 30% mud

186.00 ft of Gassy water

0.00 ft of 100% water

SALINITY 27000.00 P.P.M. A.P.I. Gravity 44.00

MUD DATA-----

Mud Type	Chemical
Weight	9.00 lb/c
Vis.	46.00 S/L
W.L.	8.00 in3
F.C.	0.00 in
Mud Drop Y	30.0 ft

BLOW DESCRIPTION

Initial Flow:

Very strong blow. Bottom of bucket immediately. Gas to surface in 5 minutes.

Initial Shut-In:

Weak blow back 1 1/2" in bucket.

Final Flow:

Very strong. Bottom of bucket immediately.

Final Shut-In:

Strong blow to bottom of bucket.

Gas will burn.

SAMPLES: Caught one sample.

SENT TO: Carraway

Amt. of fill	6.00 ft
Btm. H. Temp.	113.00 F
Hole Condition	Good
% Porosity	15.00
Packer Size	6.75 in
No. of Packers	2
Cushion Amt.	0.00
Cushion Type	
Reversed Out N	
Tool Chased N	
Tester	Brad Bortz
Co. Rep.	Ed Grieves
Contr.	Big A
Rig #	1
Unit #	
Pump T.	

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: 20001130 Analyzed: 10/22/00

Sample From: Table Mesa 1-29 DST 4
Producer: Raydon Exploration

Pressure:
Temperature:

Date: 10/29/00 Location: 29-34-30

Time:
Sampler:
Source:

County: Meade
State: Kansas
Formation: KC

	Mole %	GPM
Helium	He: 0.214	0.000
Hydrogen	H2: 0.009	0.000
Oxygen	O2: 0.000	0.000
Nitrogen	N2: 9.519	0.000
Carbon Dioxide	CO2: 0.000	0.000
Methane	C1: 73.838	0.000
Ethane	C2: 6.733	1.801
Propane	C3: 5.002	1.378
Iso Butane	iC4: 0.652	0.213
Normal Butane	nC4: 1.754	0.553
Iso Pentane	iC5: 0.475	0.174
Normal Pentane	nC5: 0.572	0.207
Hexanes Plus	C6+: 1.232	0.537

TOTAL: 100.000 4.864

Z Fact: 0.9968

SP.GR.: 0.7642

BTU (SAT): 1160.3 @ 14.73 psia

BTU (DRY): 1180.9 @ 14.73 psia

OCTANE RATING: 110.9

COMMENTS:

0.000

GAS RECOVERY

COMPANY: Raydon Exploration

DATE: 2-21-2000

WELL NAME: Table Mesa 1-29

KB Elev: 2627.00 ft TICKET #12497 DST # 4

WELL LOCATION: 29-34s-30w Meade co KS

GR Elev: 2616.00 ft FORMATION: Kanas City

INTERVAL Fr.: 4817.00 To 4832.00 T.D.: 4832.00 ft TEST TYPE: CONVENTIONAL

GAS RECOVERY MEASURED WITH 2" MERLA ORFICE

***** GAS RATES FOR FLOW #1

Time (min)	Orifice (in)	Pressure (Psi)	H2O (in)	Rate (cf/d)
10	0.50	6	0	86300.0
20	0.50	8	0	101000.0
30	0.50	8	0	101000.0

***** GAS RATES FOR FLOW #2

Time (min)	Orifice (in)	Pressure (Psi)	H2O (in)	Rate (cf/d)
10	0.50	9	0	108000.0
20	0.50	5	0	78100.0
30	0.50	4	0	68800.0
40	0.25	10	0	30800.0
50	0.25	13	0	35900.0
60	0.25	13	0	35900.0

56

H

JARS Sterling	4806
---------------	------

1

PACKER Sparton 4813

PACKER Sparton 4817

	DEPTH	
--	-------	--

1 ft.	4818
-------	------

ANCHOR Alpine	4818
---------------	------

1

[illegible]

1

1

L

1

4823

AK-1	4829
------	------

7 ft. perfs	4830
-------------	------

BULLNOSE 2 ft. perfs

T.D. 4832

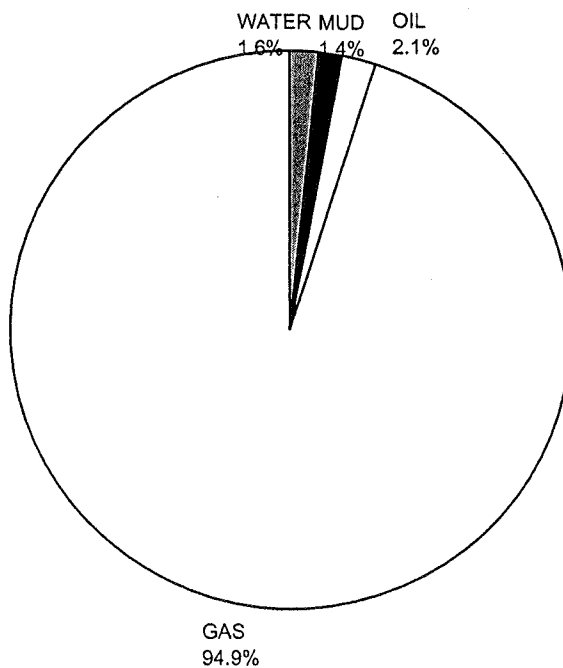
CALCULATED RECOVERY ANALYSIS

DST 4

TICKET 12497

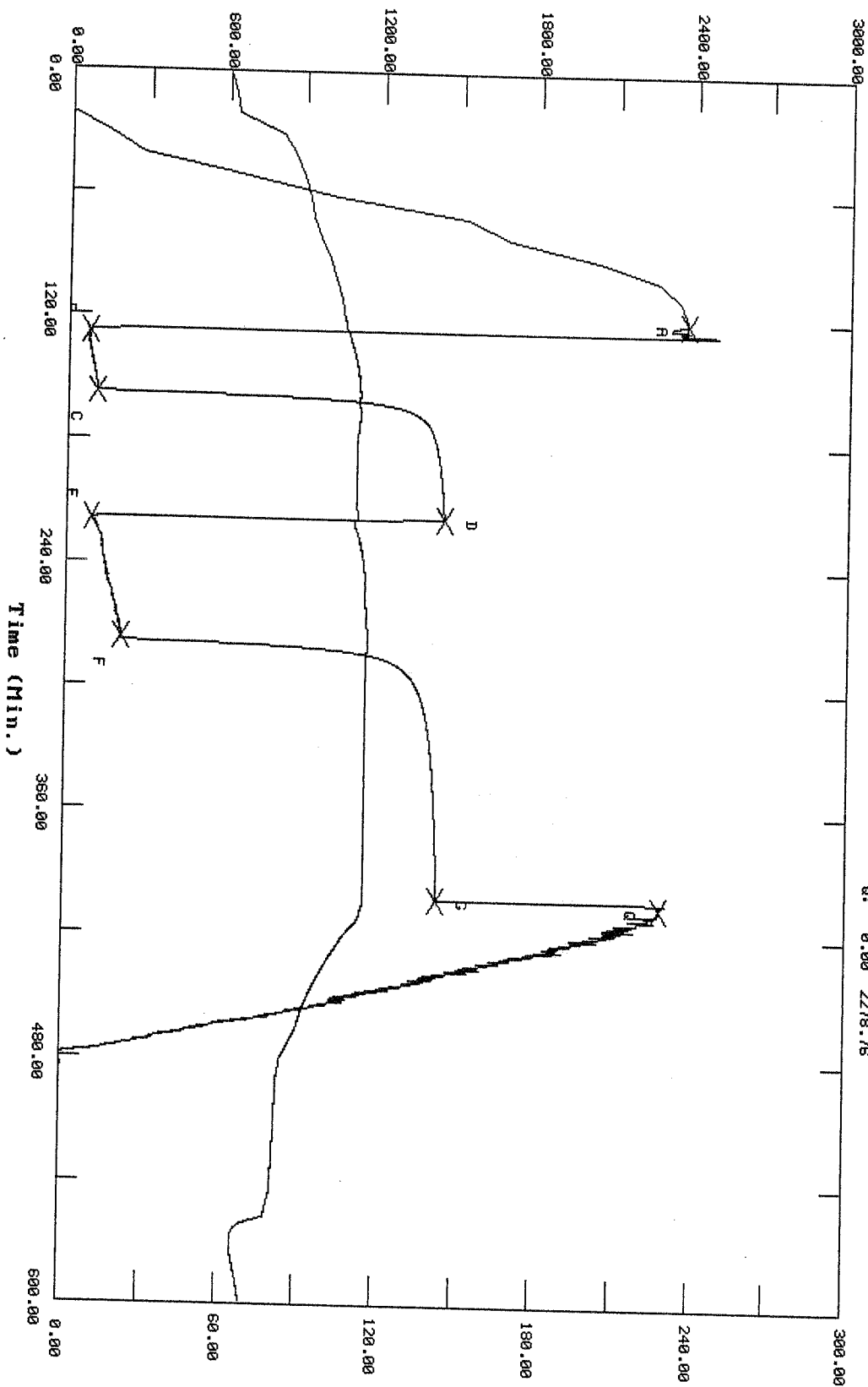
SAMPLE		TOTAL		GAS		OIL		WATER		MUD	
#		FEET	%	FEET	%	FEET	%	FEET	%	FEET	%
DRILL	1	4239	100	4239	0	0	0	0	0	0	0
PIPE	2	92	0	0	100	92	0	0	0	0	0
	3	138	26	35.88	40	0	0	0	34	46.92	
	4	0	0	0	0	0	0	0	0	0	0
	5	0	0	0	0	0	0	0	0	0	0
	6	0	0	0	0	0	0	0	0	0	0
WEIGHT	1	0	0	0	0	0	0	0	0	0	0
PIPE	2	0	0	0	0	0	0	0	0	0	0
	3	0	0	0	0	0	0	0	0	0	0
	4	0	0	0	0	0	0	0	0	0	0
	5	0	0	0	0	0	0	0	0	0	0
DRILL	1	18	26	4.68	40	7.2	0	0	34	6.12	
COLLARS	2	124	40	49.6	6	0	24	29.76	30	37.2	
	3	186	0	0	0	0	100	186	0	0	
	4	0	0	0	0	0	0	0	0	0	
	5	0	0	0	0	0	0	0	0	0	
TOTAL		4797	0	4329.16	0	99.2	0	215.76	0	90.24	

BBL OIL=	1.343448	*	HRS OPEN	1.5	=	BBL/DAY	21.495168
BBL WATER=	1.0550664	*			=		16.881062
BBL MUD=	0.8790372						
BBL GAS =	61.054223						



TEST HISTORY

12497 DST #4 Table Mesa 1-29 Raydon Exploration

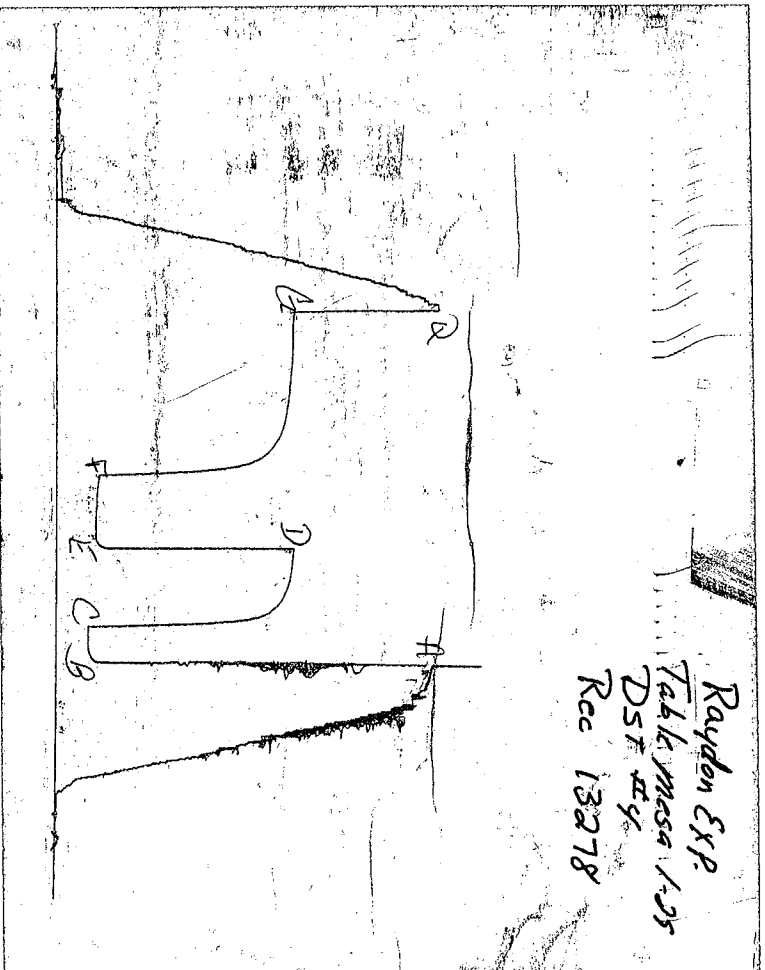


Temperature (DEG F)

Pressure (PSig)

Time (Min.)

CHART PAGE



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

P.O. Box 362 • Hays, Kansas 67601 • (913) 625-4778

GAS VOLUME REPORT

Raydon Exploration
OPERATOR

Table mesa 1-29

WELL NAME AND NO.

4
DST NO.

GTS in 5min

1st Flow

2nd flow

[illegible]

Remarks: gas will burn

Caught Smpl sent to Carraway

TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Test Ticket

No 12497

Well Name & No.	Table Mesa 1-29	Test No.	4	Date	2-21-2000
Company	Raydon Exploration	Zone Tested	Kansas City		
Address	9400 N. Broadway S. 400 Okla. City OK 73114	Elevation	2627	KB	2616 GL
Co. Rep / Geo.	Ed Grieve	Cont.	Big A #1	Est. Ft. of Pay	14 Por. 15 %
Location: Sec.	29	Twp.	34S	Rge.	30W Co. Meade State KS,
No. of Copies	R	Distribution Sheet (Y, N)		Turnkey (Y, N)	
		Evaluation (Y, N)			

Interval Tested	4817 - 4832	Initial Str Wt./Lbs.	76,000	Unseated Str Wt./Lbs.	86,000
Anchor Length	15' tool 27'	Wt. Set Lbs.	25,000	Wt. Pulled Loose/Lbs.	45,000
Top Packer Depth	4812	Tool Weight	1,800		
Bottom Packer Depth	4817	Hole Size — 7 7/8"		Rubber Size — 6 3/4"	
Total Depth	4832	Wt. Pipe Run		5 ^{std} 1-sing.	
Mud Wt.	9.0 LCM 3 Vis. 46 WL 8.0	Drill Pipe Size	4 1/2 x 11	Drill Collar Run	328'
				Ft. Run	4469 7' up

Blow Description Very strong Blow O.B.B. Immediately Q.T.S. in 5m I.F.P.
Weak Blow Back 1 1/2" in Bucket Thruout I.S.T.P.
Very strong O.B.B. Immediately F.F.P. "See gas Flow Chart"
Strong Blow O.B.B. F.S.T.P.

Recovery — Total Feet	558'	GIP	4239	Ft. in DC	328'	Ft. in DP	230'
Rec.	92'	Feet Of	Clean oil	%gas	100	%oil	%water %mud
Rec.	156'	Feet Of	gassy oil cut mud	26	%gas 40	%oil	%water 34 %mud
Rec.	124'	Feet Of	gassy oil water cut mud	40	%gas 6	%oil 24	%water 30 %mud
Rec.	186'	Feet Of	gassy water	%gas	%oil	100	%water %mud
Rec.		Feet Of		%gas	%oil	%water	%mud

BHT 113 °F Gravity 44 °API D@ 62° °F Corrected Gravity 44 °API
RW 277 @ 67° °F Chlorides 27,000 ppm Recovery Chlorides ppm System

	AK-1	Alpine			
(A) Initial Hydrostatic Mud	2240	2373	PSI Recorder No.	2357	T-On Location 10:30 AM
(B) First Initial Flow Pressure	198	75	PSI (depth)	4818	T-Started 11:40 AM
(C) First Final Flow Pressure	198	106	PSI Recorder No.	13278	T-Open 1:48
(D) Initial Shut-In Pressure	1413	1444	PSI (depth)	4829	T-Pulled 6:18
(E) Second Initial Flow Pressure	231	90	PSI Recorder No.		T-Out 9:45
(F) Second Final Flow Pressure	242	208	PSI (depth)		T-Off Location 10:15
(G) Final Shut-in Pressure	1424	1430	PSI Initial Opening	30	Test ✓ 700
(Q) Final Hydrostatic Mud	2273	2278	PSI Initial Shut-in	60	Jars ✓ 200
			Final Flow	60	Safety Joint ✓ 50
			Final Shut-in	120	Straddle

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Approved By Ed Grieve
Our Representative Brad Boy

Circ. Sub 1
Sampler
Extra Packer
Elec. Rec. ✓ 150
Mileage
Other ent 2 @ 30 = 60
TOTAL PRICE \$ 1160

206100