15-095-21769

29-29s-7w

TRILOBITE TESTING L.L.C.

OPERATOR : Messenger Pet., Inc. DATE 08/2/2000
WELL NAME: Oak#1 KB 1543.00 ft TICKET NO: 12813 DST #1
LOCATION : 29-29s-7w Kingman co KS GR 1533.00 ft FORMATION: Mississippi
INTERVAL : 4132.00 To 4152.00 ft TD 4152.00 ft TEST TYPE: CONVENTIONAL

RECORDER DATA

	Mins		Field	1	2	3	4
PF	30	Rec.	13805	13805	2350		
SI	60	Range(Psi)	4250.0	4250.0	4995.0	0.0	0.0
SF	60	Clock(hrs)	12hr.	12hr.	elec.		
FS	60	Depth(ft)	4149.0	4149.0	4138.0	0.0	0.0

TIME DATA----------
PF Fr. 0305 to 0335 hr
IS Fr. 0335 to 0435 hr
SF Fr. 0435 to 0535 hr
FS Fr. 0535 to 0635 hr

	Field	1	2	3	4
A. Init Hydro	2207.0	2163.0	2102.0	0.0	0.0
B. First Flow	194.0	204.0	82.0	0.0	0.0
B1. Final Flow	162.0	160.0	87.0	0.0	0.0
C. In Shut-in	1136.0	1144.0	1110.0	0.0	0.0
D. Init Flow	162.0	164.0	46.0	0.0	0.0
E. Final Flow	162.0	163.0	94.0	0.0	0.0
F. Fl Shut-in	1071.0	1072.0	1041.0	0.0	0.0
G. Final Hydro	2218.0	2185.0	2049.0	0.0	0.0
Inside/Outside	O	O	I		

T STARTED 2359 hr
T ON BOTM 0302 hr
T OPEN 0305 hr
T PULLED 0635 hr
T OUT 0845 hr

TOOL DATA----------

Tool Wt.	2100.00 lbs
Wt Set On Packer	20000.00 lbs
Wt Pulled Loose	75000.00 lbs
Initial Str Wt	58000.00 lbs
Unseated Str Wt	59000.00 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	249.23 ft
D.P. Length	3874.77 ft

RECOVERY
Tot Fluid 255.00 ft of 249.00 ft in DC and 6.00 ft in DP
3868.00 ft of Gas in pipe.
255.00 ft of Very slightly gas cut mud
0.00 ft of 10% gas 90% 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

MUD DATA----------

Mud Type	Chemical
Weight	9.30 lb/c
Vis.	48.00 S/L
W.L.	8.80 in3
F.C.	0.32 in
Mud Drop	N
Amt. of fill	0.00 ft
Btm. H. Temp.	130.00 F
Hole Condition	good
% Porosity	0.00
Packer Size	6.75 in
No. of Packers	2
Cushion Amt.	0.00 n
Cushion Type	none
Reversed Out	N
Tool Chased	N
Tester	Darren L.Amerine
Co. Rep.	Jon F.Messenger
Contr.	Sterling
Rig #	4
Unit #	none
Pump T.	none

BLOW DESCRIPTION
Initial Flow:
Strong blow Bottom of bucket in 20 seconds. Gas to surface in 18 minutes Gauge gas.
Initial Shut-In:
Bled down for 10 minutes. No blow back.
Final Flow:
Strong blow. Bottom of bucket in 10 seconds. Gauge gas.
Final Shut-In:
Bled down for 10 minutes. No blow back.

SAMPLES: Caraway Analytical
SENT TO:Liberal,Ks.67901

Test Successful: Y

GAS RECOVERY

COMPANY: Messenger Pet., Inc. DATE: 08/2/2000
WELL NAME: Oak#1 KB Elev: 1543.00 ft TICKET #12813 DST #1
WELL LOCATION: 29-29s-7w Kingman co KS GR Elev: 1533.00 ft FORMATION: Mississippi
INTERVAL Fr.: 4132.00 To 4152.00 T.D.: 4152.00 ft TEST TYPE: CONVENTIONAL

GAS RECOVERY MEASURED WITH Merla Gauge

***** GAS RATES FOR FLOW #1

Time (min)	Orifice (in)	Pressure (Psi)	H2O (in)	Rate (cf/d)
23	0.38	0	19	15500.0
28	0.38	0	24	17400.0

***** GAS RATES FOR FLOW #2

Time (min)	Orifice (in)	Pressure (Psi)	H2O (in)	Rate (cf/d)
5	0.38	3	0	33500.0
10	0.38	2	0	31400.0
15	0.38	0	24	17400.0
20	0.38	0	20	15900.0
25	0.38	0	18	15100.0
30	0.38	0	16	14200.0
35	0.38	0	16	14200.0
40	0.38	0	16	14200.0
45	0.38	0	14	13400.0
50	0.38	0	14	13400.0
55	0.38	0	13	12900.0
60	0.38	0	13	12900.0

*** TOOL DIAGRAM *** CONVENTIONAL

WELL NAME: Oak#1

LOCATION : 29-29s-7w Kingman co KS

TICKET No. 12813 D.S.T. No. 1 DATE 08/2/2000

TOTAL TOOL TO BOTTOM OF TOP PACKERS 28

INTERVAL TOOL .....

BOTTOM PACKERS AND ANCHOR 20

TOTAL TOOL 48

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 249.23

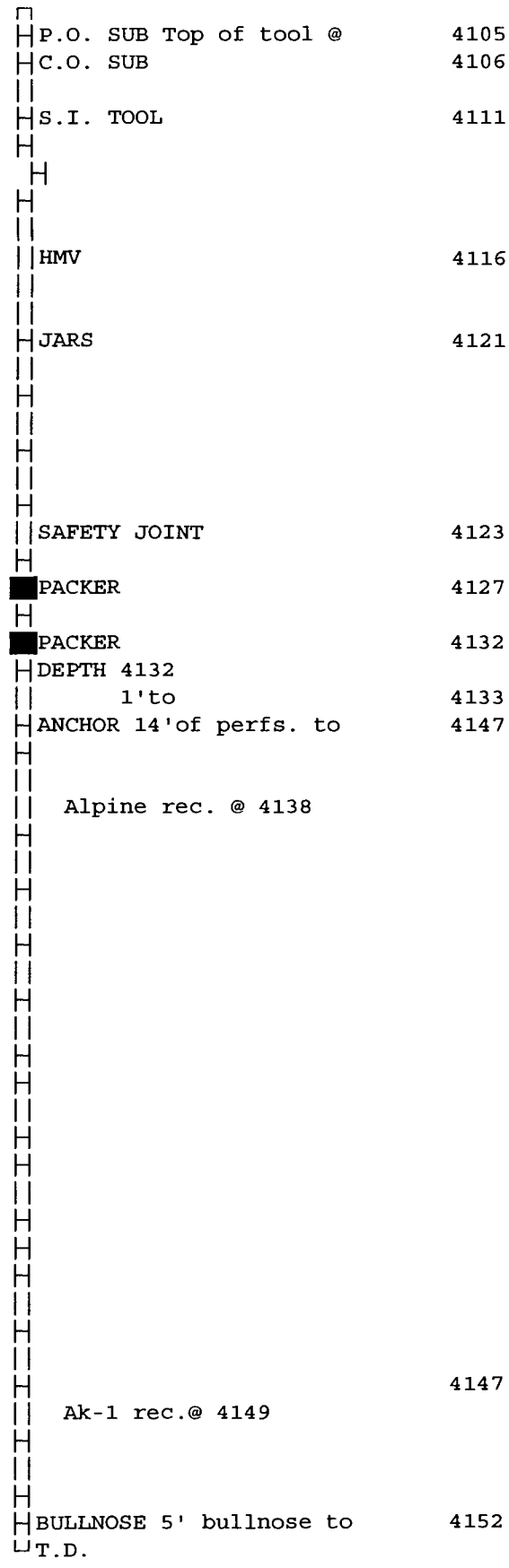
D.P. ABOVE TOOLS.Stands62 Single 1 Total 3874.77

TOTAL DRILL COLLARS DRILL PIPE & TOOLS .. 4172

TOTAL DEPTH 4152

TOTAL DRILL PIPE ABOVE K.B. 20

REMARKS:



TEST HISTORY

Tk#12813 DST#1 Oak#1 Messenger Petroleum, Inc.

Flag Points

	t(Min.)	P(PSIg)
A:	0.00	2102.85
B:	0.00	81.82
C:	29.00	86.86
D:	61.25	1110.02
E:	0.00	45.90
F:	58.25	93.91
G:	61.25	1041.20
Q:	0.00	2048.84

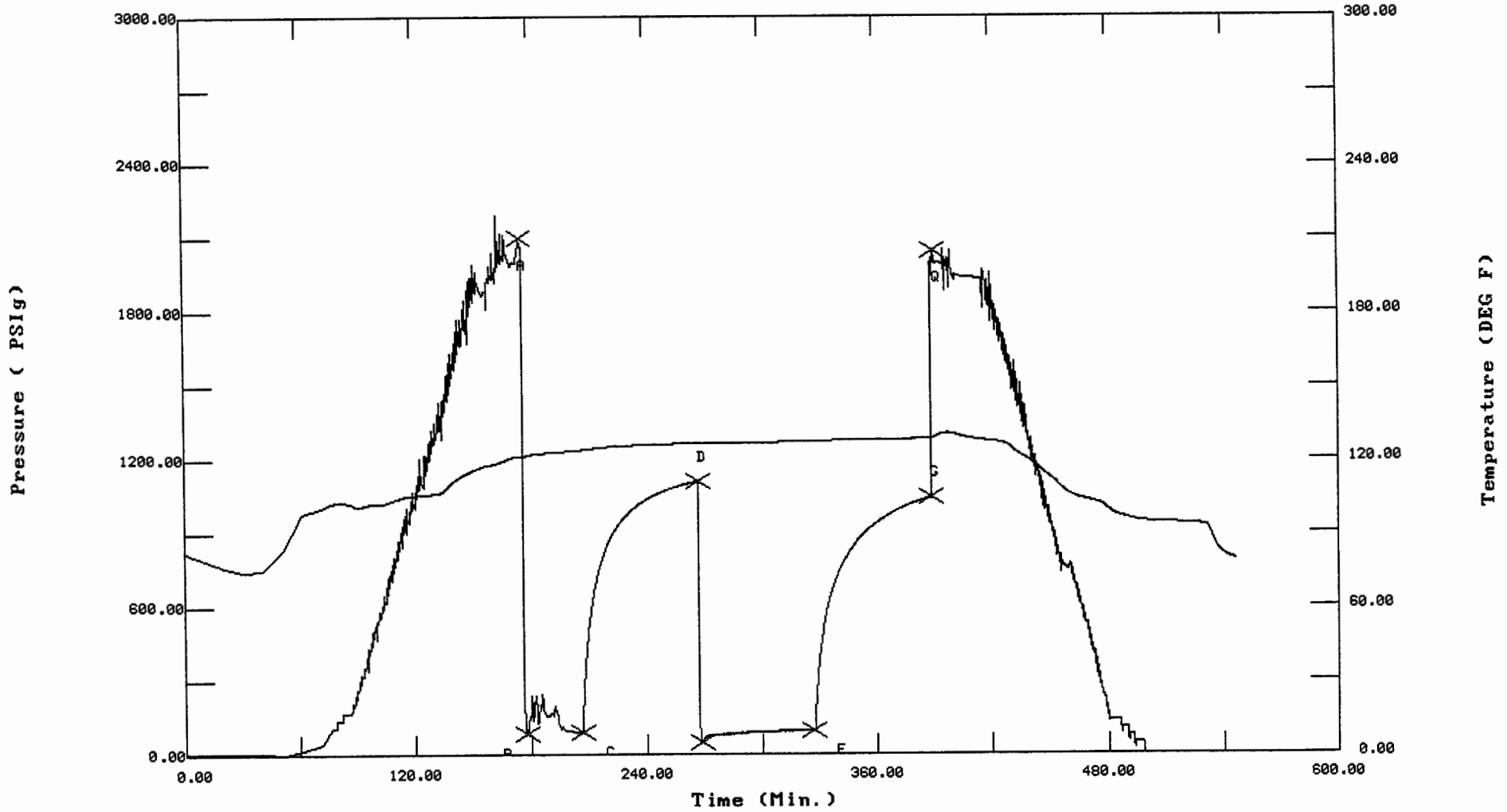
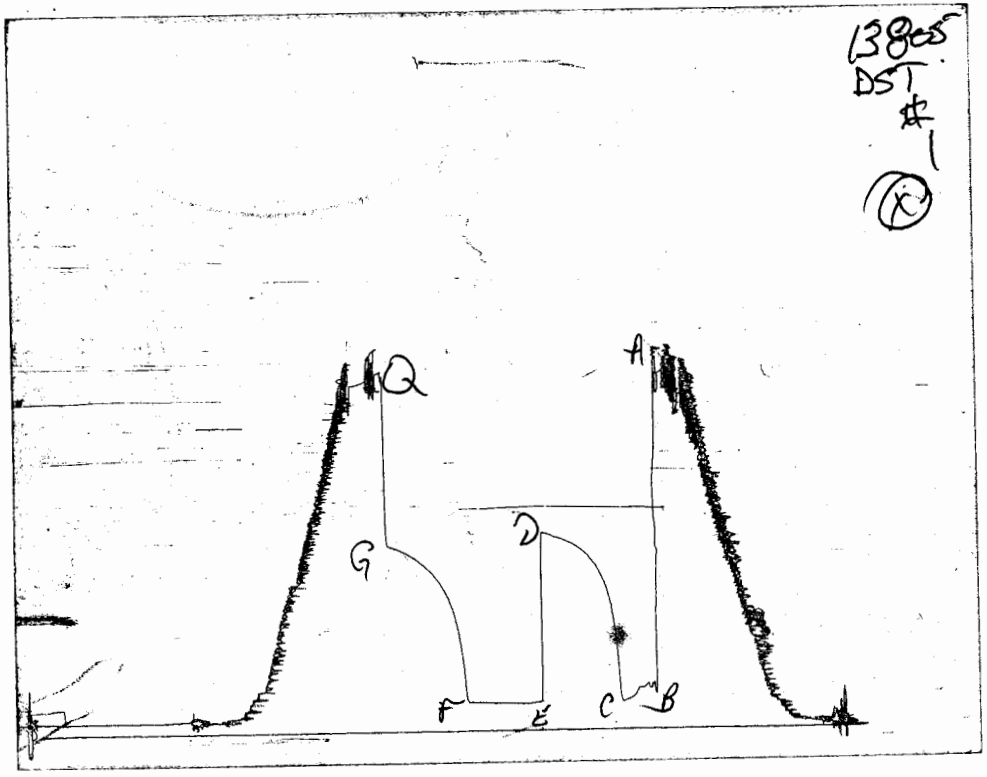


CHART PAGE



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

TRILOBITE TESTING L.L.C.

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

GAS VOLUME REPORT

Messenger Pet, Inc. (OPERATOR) | Oak #1 (WELL NAME AND NO.) | #1 (DST NO.)

GTS 18 mins — Final Flow

Min.	Ins. of Water PSIG	Orifice Size	CF/D	Min.	Ins. of Water PSIG	Orifice Size	CF/D
23	19"	3/8	16,900	5	3#	3/8	33,500
28	24"	3/8	17,400	10	2.5#	3/8	31,400
				15	24"	3/8	17,400
				20	20"	3/8	15,900
				25	18"	3/8	15,100
				30	16"	3/8	14,200
				35	16"	3/8	14,200
				40	16"	3/8	14,200
				45	14"	3/8	13,400
				50	14"	3/8	13,400
				55	13"	3/8	12,900
				60	13"	3/8	12,900

Remarks:

TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Test Ticket

№ 12813

Well Name & No. Oak #1 Test No. #1 Date 7/2/2000

Company Messenger Pet, Inc. Zone Tested Miss

Address 525 S Main Kingman, KS Elevation 1543 KB 1533 GL

Co. Rep / Geo. Jon F. Messenger Cont. Sterling #4 Est. Ft. of Pay ___ Por. ___ %

Location: Sec. 29 Twp. 29S Rge. 7W Co. Kingman State KS

No. of Copies 5 Distribution Sheet (Y, N) — Turnkey (Y, N) — Evaluation (Y, N) —

Interval Tested 4132' - 4152' Initial Str Wt./Lbs. 58,000 Unseated Str Wt./Lbs. 59,000

Anchor Length 20' Wt. Set Lbs. 20,000 Wt. Pulled Loose/Lbs. 75,000

Top Packer Depth 4127' Tool Weight ___

Bottom Packer Depth 4132' Hole Size — 7 7/8" ✓ Rubber Size — 6 3/4" ✓

Total Depth 4152' Wt. Pipe Run N/A Drill Collar Run 249.23

Mud Wt. 9.3 LCM 0 Vis. 48 WL 8.8 Drill Pipe Size 4½ XH Ft. Run 3874.77

Blow Description IF: Strong blow B.O.B in 20 sec. GTS in 18 min Gauge Ga
ISI: Bled down for 10 mins No blow back
FF: Strong blow B.O.B in 10 sec. Gauge Gas.
FSI: Bled down for 10 mins No blow back.

Recovery — Total Feet 255' GIP 3868' Ft. in DC 249 Ft. in DP 6'

Rec. 255'	Feet Of VSOCM	10 %gas	%oil	%water	90 %mud
Rec. 3868'	Feet Of Gas In pipe	%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 130 °F Gravity ___ °API D@ ___ °F Corrected Gravity ___ °API

RW ___ @ ___ °F Chlorides ___ ppm Recovery Chlorides 4,000 ppm System

	AK-1	Alpine				
(A) Initial Hydrostatic Mud	2207	2102	PSI	Recorder No.	2350	T-On Location ___
(B) First Initial Flow Pressure	194	82	PSI	(depth)	4138'	T-Started 2359
(C) First Final Flow Pressure	162	87	PSI	Recorder No.	13805	T-Open 0305
(D) Initial Shut-In Pressure	1136	1110	PSI	(depth)	4149'	T-Pulled 0635
(E) Second Initial Flow Pressure	162	46	PSI	Recorder No.	___	T-Out 0845
(F) Second Final Flow Pressure	162	94	PSI	(depth)	___	T-Off Location ___
(G) Final Shut-in Pressure	1071	1041	PSI	Initial Opening	30	Test ✓ 750
(Q) Final Hydrostatic Mud	2218	2049	PSI	Initial Shut-in	60	Jars ✓ 200
				Final Flow	60	Safety Joint ✓ 50
				Final Shut-in	60	Straddle ___
						Circ. Sub ___
						Sampler ___
						Extra Packer ___
						Elec. Rec. ✓ 150
						Mileage 40 40
						Other est 1 hr 30
						TOTAL PRICE $ 1220

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 Jon F Messenger

Our Representative Darren L Conerine

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: 20004432 Analyzed: 08/08/00

Sample From: Oak #1 DST 1
Producer: Messenger Petroleum
Pressure:
Temperature:

Date: Location: 29-29-7

Time:
Sampler:
Source:
County: Kingman
State: Kansas
Formation: Miss

		Mole %	GPM
Helium	He:	0.168	0.000
Hydrogen	H2:	0.008	0.000
Oxygen	O2:	0.000	0.000
Nitrogen	N2:	2.660	0.000
Carbon Dioxide	CO2:	0.192	0.000
Methane	C1:	87.081	0.000
Ethane	C2:	5.390	1.442
Propane	C3:	2.480	0.683
Iso Butane	iC4:	0.329	0.108
Normal Butane	nC4:	0.845	0.266
Iso Pentane	iC5:	0.192	0.070
Normal Pentane	nC5:	0.252	0.091
Hexanes Plus	C6+:	0.403	0.176
	TOTAL:	100.000	2.836

Z Fact: 0.9974
SP.GR.: 0.6545
BTU (SAT): 1100.0 @ 14.73 psia
BTU (DRY): 1119.5 @ 14.73 psia

OCTANE RATING: 122.6

COMMENTS:

0.000

TRILOBITE TESTING L.L.C.

OPERATOR : Messenger Pet, Inc. DATE 08/02/200
WELL NAME: Oak #1 KB 1543.00 ft TICKET NO: 12814 DST #2
LOCATION : 29-29s-7w Kingman co KS GR 1533.00 ft FORMATION: Mississippi
INTERVAL : 4152.00 To 4176.00 ft TD 4176.00 ft TEST TYPE: CONVENTIONAL

RECORDER DATA

Mins			Field	1	2	3	4
PF	30	Rec.	13805	13805	2350		
SI	60	Range(Psi)	4250.0	4250.0	4995.0	0.0	0.0
SF	60	Clock(hrs)	12hr.	12hr.	elec.		
FS	60	Depth(ft)	4176.0	4176.0	4158.0	0.0	0.0

TIME DATA----------
PF Fr. 1803 to 1833 hr
IS Fr. 1833 to 1933 hr
SF Fr. 1933 to 2033 hr
FS Fr. 2033 to 2133 hr

	Field	1	2	3	4
A. Init Hydro	2218.0	2201.0	2117.0	0.0	0.0
B. First Flow	97.0	109.0	72.0	0.0	0.0
B1. Final Flow	54.0	64.0	63.0	0.0	0.0
C. In Shut-in	1093.0	1105.0	1128.0	0.0	0.0
D. Init Flow	86.0	89.0	53.0	0.0	0.0
E. Final Flow	86.0	94.0	90.0	0.0	0.0
F. Fl Shut-in	1028.0	1032.0	1047.0	0.0	0.0
G. Final Hydro	2218.0	2201.0	2131.0	0.0	0.0
Inside/Outside	O	O	I		

T STARTED 1604 hr
T ON BOTM 1800 hr
T OPEN 1803 hr
T PULLED 2133 hr
T OUT 2300 hr

RECOVERY
Tot Fluid 200.00 ft of 200.00 ft in DC and 0.00 ft in DP
3954.00 ft of Gas in pipe.
200.00 ft of Gas & oil cut muddy water
0.00 ft of 40% gas 10% oil 40% water 10% mud
0.00 ft of
0.00 ft of
0.00 ft of
0.00 ft of
0.00 ft of
SALINITY 140000.00 P.P.M. A.P.I. Gravity 0.00

TOOL DATA----------

Tool Wt.	2100.00 lbs
Wt Set On Packer	20000.00 lbs
Wt Pulled Loose	68000.00 lbs
Initial Str Wt	58000.00 lbs
Unseated Str Wt	58000.00 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	249.23 ft
D.P. Length	3905.13 ft

BLOW DESCRIPTION
Initial Flow:
Weak blow built to bottom of bucket in 3 minutes.
Initial Shut-In:
Bled down for 2 minutes. No blow back.
Final Flow:
Strong blow bottom of bucket in 10 seconds. Gas to surface in 30 minutes Gauge gas.
Final Shut-In:
Bled down for 10 minutes. No blow back.

SAMPLES: Caraway
SENT TO:Liberal,Ks.67901

MUD DATA----------

Mud Type	Chemical
Weight	9.10 lb/c
Vis.	61.00 S/L
W.L.	10.40 in3
F.C.	0.32 in
Mud Drop	N
Amt. of fill	0.00 ft
Btm. H. Temp.	129.00 F
Hole Condition	Good
% Porosity	0.00
Packer Size	6.75 in
No. of Packers	2
Cushion Amt.	0.00 n
Cushion Type	none
Reversed Out	N
Tool Chased	N
Tester	Darren L.Amerine
Co. Rep.	Jon F.Messenger
Contr.	Stering
Rig #	4
Unit #	none
Pump T.	none

Test Successful: Y

GAS RECOVERY

COMPANY: Messenger Pet, Inc. DATE: 08/02/200
WELL NAME: Oak #1 KB Elev: 1543.00 ft TICKET #12814 DST #2
WELL LOCATION: 29-29s-7w Kingman co KS GR Elev: 1533.00 ft FORMATION: Mississippi
INTERVAL Fr.: 4152.00 To 4176.00 T.D.: 4176.00 ft TEST TYPE: CONVENTIONAL

GAS RECOVERY MEASURED WITH Merla gauge

***** GAS RATES FOR FLOW #2

Time (min)	Orifice (in)	Pressure (Psi)	H2O (in)	Rate (cf/d)
35	0.12	0	13	1910.0
40	0.12	0	22	2480.0
45	0.12	0	30	2890.0
50	0.12	0	36	3170.0
55	0.12	0	42	3420.0
60	0.12	0	46	3580.0

*** TOOL DIAGRAM *** CONVENTIONAL

WELL NAME: Oak #1

LOCATION : 29-29s-7w Kingman co KS

TICKET No. 12814 D.S.T. No. 2 DATE 08/02/200

TOTAL TOOL TO BOTTOM OF TOP PACKERS 28

INTERVAL TOOL .....

BOTTOM PACKERS AND ANCHOR 24

TOTAL TOOL 52

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 249.23

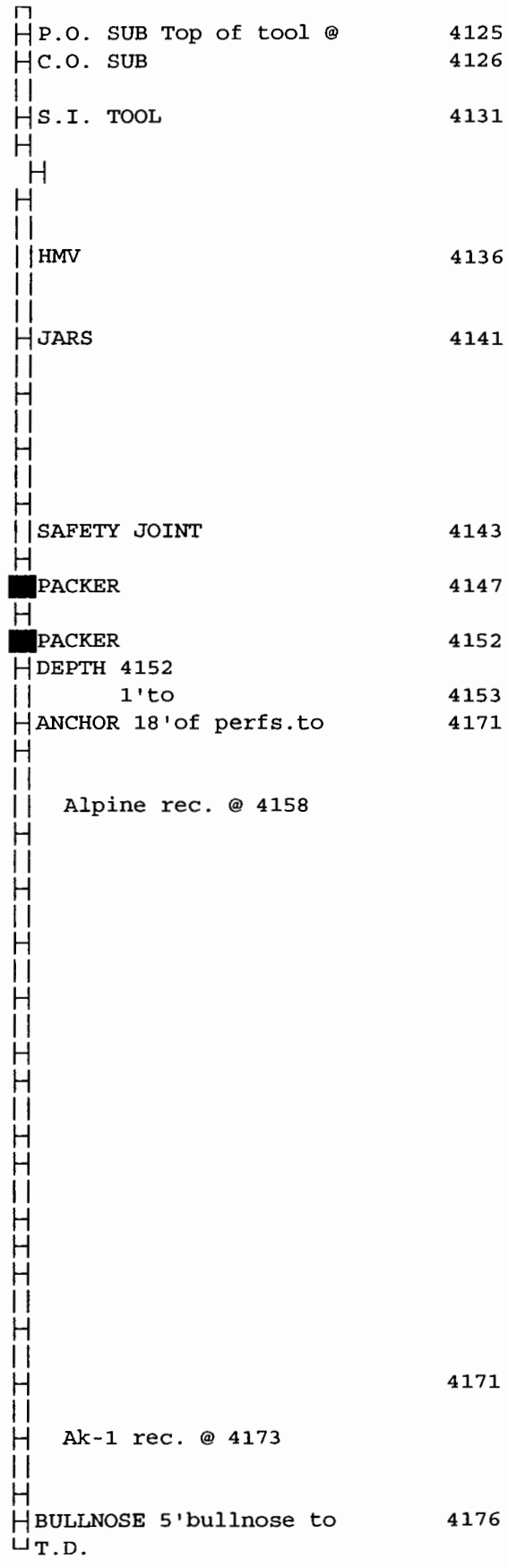
D.P. ABOVE TOOLS.Stands63 Single Total 3905.13

TOTAL DRILL COLLARS DRILL PIPE & TOOLS .. 4206.36

TOTAL DEPTH 4176

TOTAL DRILL PIPE ABOVE K.B. 30.36

REMARKS:



TEST HISTORY

Tk#12814 DST#2 Oak #1 Messenger Petroleum, Inc.

Flag Points

	t(Min.)	P(PSIg)
A:	0.00	2117.41
B:	0.00	71.75
C:	25.75	63.27
D:	60.00	1127.56
E:	0.00	52.95
F:	58.25	89.71
G:	61.50	1047.16
Q:	0.00	2131.00

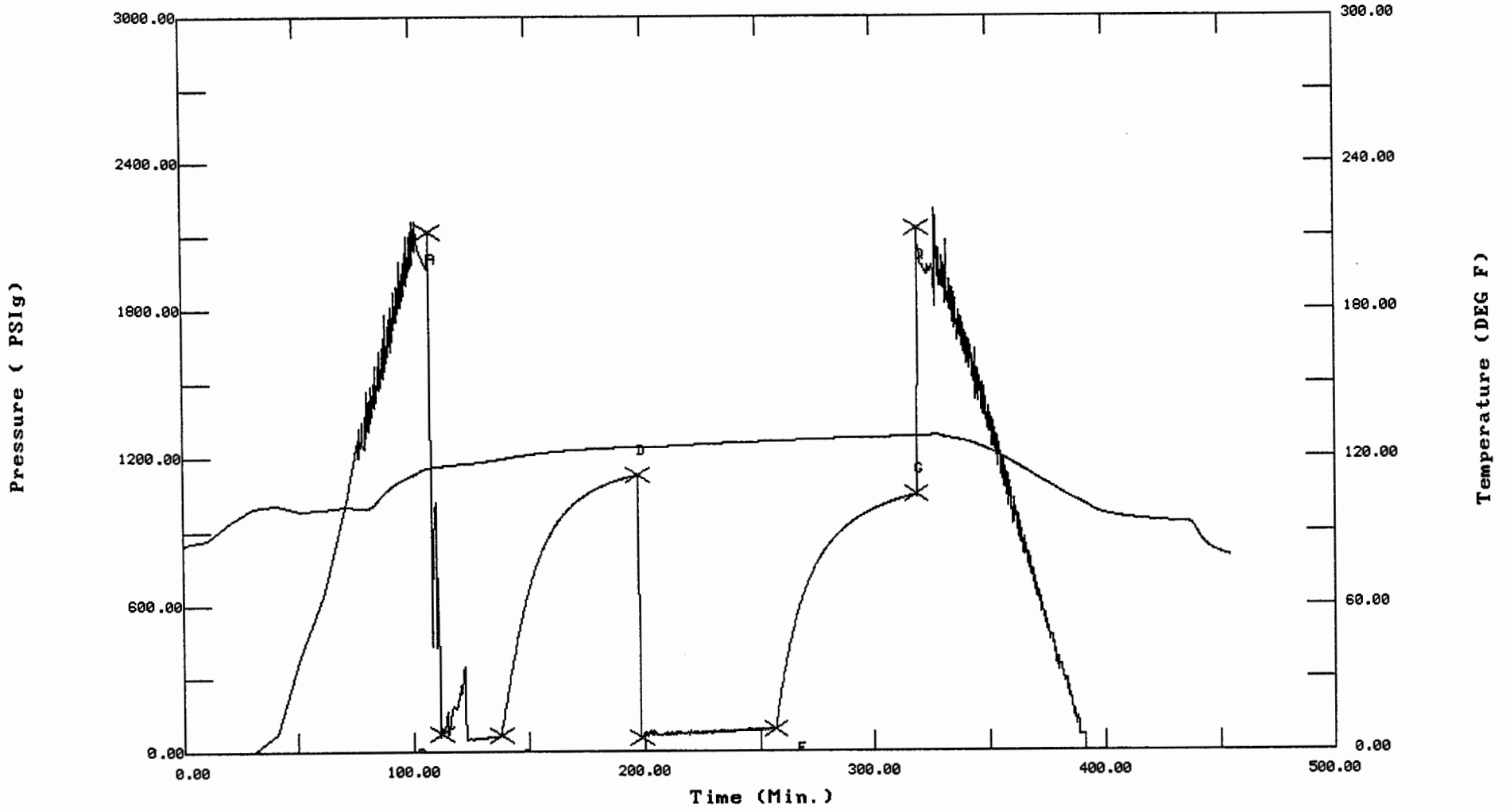
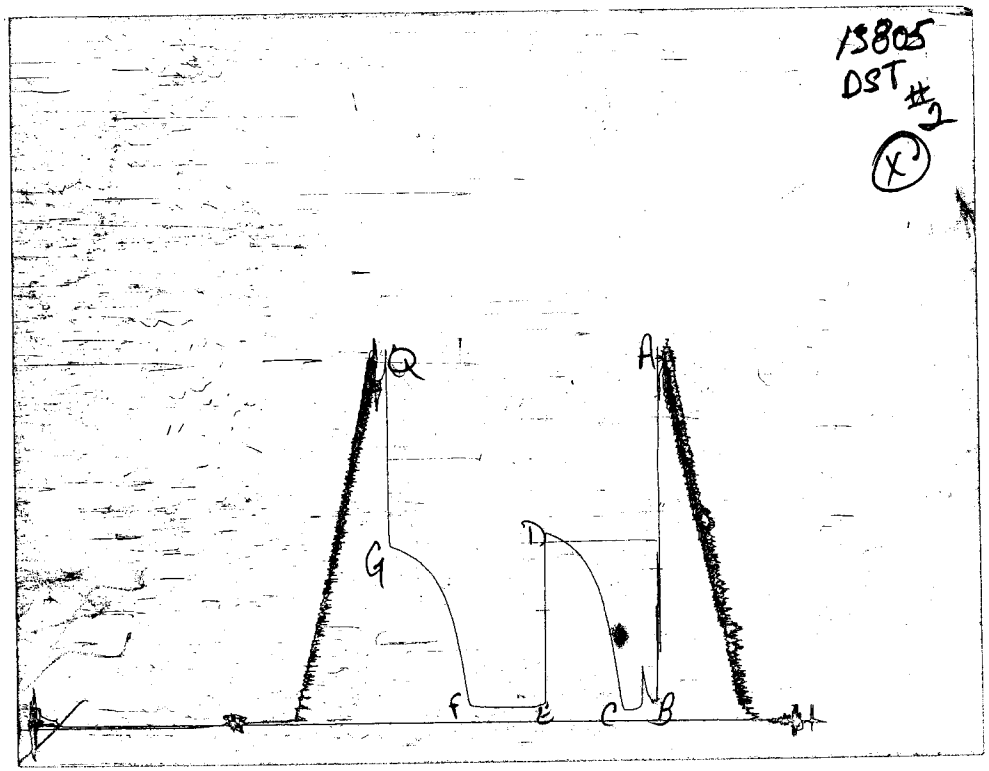


CHART PAGE



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



TRILOBITE TESTING L.L.C.

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

GAS VOLUME REPORT

Messenger Pet, Inc (OPERATOR) — Oak #1 (WELL NAME AND NO.) — Miss — #1 (DST NO.)

GTS 30 mins on final Flow.

Min.	Ins. of Water PSIG	Orifice Size	CF/D	Min.	Ins. of Water PSIG	Orifice Size	CF/D
35	13	1/8	1,910				
40	22	1/8	2,480				
45	30	1/8	2,890				
50	36	1/8	3,170				
55	42	1/8	3,420				
60	46	1/8	3,580				

Remarks:

TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Test Ticket

№ 12814

Well Name & No. Oak #1 Test No. #2 Date 8/2/2000

Company Messenger Pet, Inc. Zone Tested M.'55

Address 525 S. Main Kingman, Ks Elevation 1543 KB 1553 GL

Co. Rep / Geo. Jon F Messenger Cont. Sterling #4 Est. Ft. of Pay ___ Por. ___ %

Location: Sec. 29 Twp. 29S Rge. 7W Co. Kingman State Ks

No. of Copies 5 Distribution Sheet (Y, N) — Turnkey (Y, N) — Evaluation (Y, N) —

Interval Tested 4152' - 4176' Initial Str Wt./Lbs. 58000 Unseated Str Wt./Lbs. 58000

Anchor Length 24' Wt. Set Lbs. 20,000 Wt. Pulled Loose/Lbs. 68000

Top Packer Depth 4147' Tool Weight 2100

Bottom Packer Depth 4152' Hole Size — 7 7/8" ✓ Rubber Size — 6 3/4" ✓

Total Depth 4176' Wt. Pipe Run N/A Drill Collar Run 249.23

Mud Wt. 9.1 LCM 0 Vis. 61 WL 10.4 Drill Pipe Size 4½ XH Ft. Run 3905.13

Blow Description IF: Weak blow built to B.O.B in 3 mins

ISI: Bled down for 2 mins No blow back.

FF: Strong blow B.O.B in 10 sec. GTS in 30 mins. Gauged Gas.

FST: Bled down for 10 mins. No blow back

Recovery — Total Feet 200' GIP 3954' Ft. in DC 200' Ft. in DP ___

Rec. 200'	Feet Of	GCOCMW	40 %gas	10 %oil	40 %water	10 %mud
Rec. 3954	Feet Of	Gas In pipe	%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 129 °F Gravity ___ °API D@ ___ °F Corrected Gravity ___ °API

RW .036 @ 89° °F Chlorides 140,000 ppm Recovery Chlorides 4,000 ppm System

	AK-1	Alpine				
(A) Initital Hydrostatic Mud	2218	2117	PSI	Recorder No.	2350	T-On Location 1530
(B) First Initial Flow Pressure	97	72	PSI	(depth)	4158'	T-Started 1604
(C) First Final Flow Pressure	54	63	PSI	Recorder No.	13805	T-Open 1803
(D) Initial Shut-In Pressure	1093	1128	PSI	(depth)	4173'	T-Pulled 2133
(E) Second Initial Flow Pressure	86	53	PSI	Recorder No.	___	T-Out 2300
(F) Second Final Flow Pressure	86	90	PSI	(depth)	___	T-Off Location 0045
(G) Final Shut-in Pressure	1028	1047	PSI	Initial Opening	30	Test ✓ 750
(Q) Final Hydrostatic Mud	2218	2131	PSI	Initial Shut-in	60	Jars ✓ 200
				Final Flow	60	Safety Joint ✓ 50
				Final Shut-in	60	Straddle ___
						Circ. Sub ___
						Sampler ___
						Extra Packer ___
						Elec. Rec. ✓ 150
						Mileage 40 miles 40
						Other ___
						TOTAL PRICE $ 1190

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 Jon F Messenger

Our Representative Darren L Ornelas

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: 20004433 Analyzed: 08/08/00

Sample From: Oak #1 DST 2
Producer: Messenger Petroleum
Date: Location: 29-29-7
Time:
Sampler:
Source:

Pressure:
Temperature:
County: Kingman
State: Kansas
Formation: Miss

		Mole %	GPM
Helium	He:	0.089	0.000
Hydrogen	H2:	0.011	0.000
Oxygen	O2:	0.000	0.000
Nitrogen	N2:	1.835	0.000
Carbon Dioxide	CO2:	0.057	0.000
Methane	C1:	80.038	0.000
Ethane	C2:	7.216	1.930
Propane	C3:	4.533	1.249
Iso Butane	iC4:	0.749	0.245
Normal Butane	nC4:	2.224	0.701
Iso Pentane	iC5:	0.656	0.240
Normal Pentane	nC5:	0.944	0.342
Hexanes Plus	C6+:	1.648	0.719
	TOTAL:	100.000	5.426

Z Fact: 0.9962
SP.GR.: 0.7618
BTU (SAT): 1281.0 @ 14.73 psia
BTU (DRY): 1303.6 @ 14.73 psia

OCTANE RATING: 120.0

COMMENTS: 0.000

TRILOBITE TESTING L.L.C.

OPERATOR : Messenger Pet, Inc. DATE 08/04/200
WELL NAME: Oak #1 KB 1543.00 ft TICKET NO: 12815 DST #3
LOCATION : 29-29s-7w Kingman co KS GR 1433.00 ft FORMATION: Simpson
INTERVAL : 4488.00 To 4522.00 ft TD 4522.00 ft TEST TYPE: CONVENTIONAL

RECORDER DATA

Mins		Field	1	2	3	4
PF 15	Rec.	13805	13805	2350		
SI 60	Range(Psi)	4250.0	4250.0	4995.0	0.0	0.0
SF 30	Clock(hrs)	12hr.	12hr.	elec.		
FS 60	Depth(ft)	4519.0	4519.0	4494.0	0.0	0.0

TIME DATA----------
PF Fr. 0902 to 0917 hr
IS Fr. 0917 to 1017 hr
SF Fr. 1017 to 1047 hr
FS Fr. 1047 to 1147 hr

	Field	1	2	3	4
A. Init Hydro	2400.0	2390.0	2227.0	0.0	0.0
B. First Flow	581.0	578.0	524.0	0.0	0.0
B1. Final Flow	1028.0	1033.0	1076.0	0.0	0.0
C. In Shut-in	1673.0	1667.0	1676.0	0.0	0.0
D. Init Flow	1103.0	1095.0	1101.0	0.0	0.0
E. Final Flow	1534.0	1535.0	1571.0	0.0	0.0
F. Fl Shut-in	1662.0	1665.0	1675.0	0.0	0.0
G. Final Hydro	2410.0	2331.0	2147.0	0.0	0.0
Inside/Outside	O	O	I		

T STARTED 0607 hr
T ON BOTM 0859 hr
T OPEN 0902 hr
T PULLED 1147 hr
T OUT 1515 hr

RECOVERY
Tot Fluid 3400.00 ft of 249.23 ft in DC and 3151.00 ft in DP
400.00 ft of Heavy mud cut water
0.00 ft of 25% water 75% mud
3000.00 ft of Salt water
0.00 ft of
0.00 ft of
0.00 ft of
0.00 ft of
0.00 ft of
SALINITY 50000.00 P.P.M. A.P.I. Gravity 0.00

TOOL DATA----------

Tool Wt.	2100.00 lbs
Wt Set On Packer	20000.00 lbs
Wt Pulled Loose	80000.00 lbs
Initial Str Wt	61000.00 lbs
Unseated Str Wt	78000.00 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	249.23 ft
D.P. Length	4218.77 ft

BLOW DESCRIPTION
Initial Flow:
Strong blow bottom of bucket in 40 seconds.
Initial Shut-In:
Bled down for 2 minutes. Built back to bottom of bucket in 10 minutes.
Final Flow:
Strong blow bottom of bucket in 30 seconds.
Final Shut-In:
Bled down for 2 minutes. Built back to weak surface blow.

MUD DATA----------

Mud Type	Chemical
Weight	9.10 lb/c
Vis.	63.00 S/L
W.L.	10.00 in3
F.C.	0.32 in
Mud Drop	N
Amt. of fill	0.00 ft
Btm. H. Temp.	145.00 F
Hole Condition	good
% Porosity	0.00
Packer Size	6.75 in
No. of Packers	2
Cushion Amt.	0.00 n
Cushion Type	none
Reversed Out	Y
Tool Chased	N
Tester	Darren L.Amerine
Co. Rep.	Jon F.Messenger
Contr.	Sterling
Rig #	4
Unit #	no
Pump T.	none

SAMPLES: Caraway Analytical
SENT TO:Liberal,Ks.67901

Test Successful: Y

*** TOOL DIAGRAM *** CONVENTIONAL

WELL NAME: Oak #1

LOCATION : 29-29s-7w Kingman co KS

TICKET No. 12815 D.S.T. No. 3 DATE 08/04/200

TOTAL TOOL TO BOTTOM OF TOP PACKERS 28

INTERVAL TOOL .....

BOTTOM PACKERS AND ANCHOR 34

TOTAL TOOL 62

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 249.23

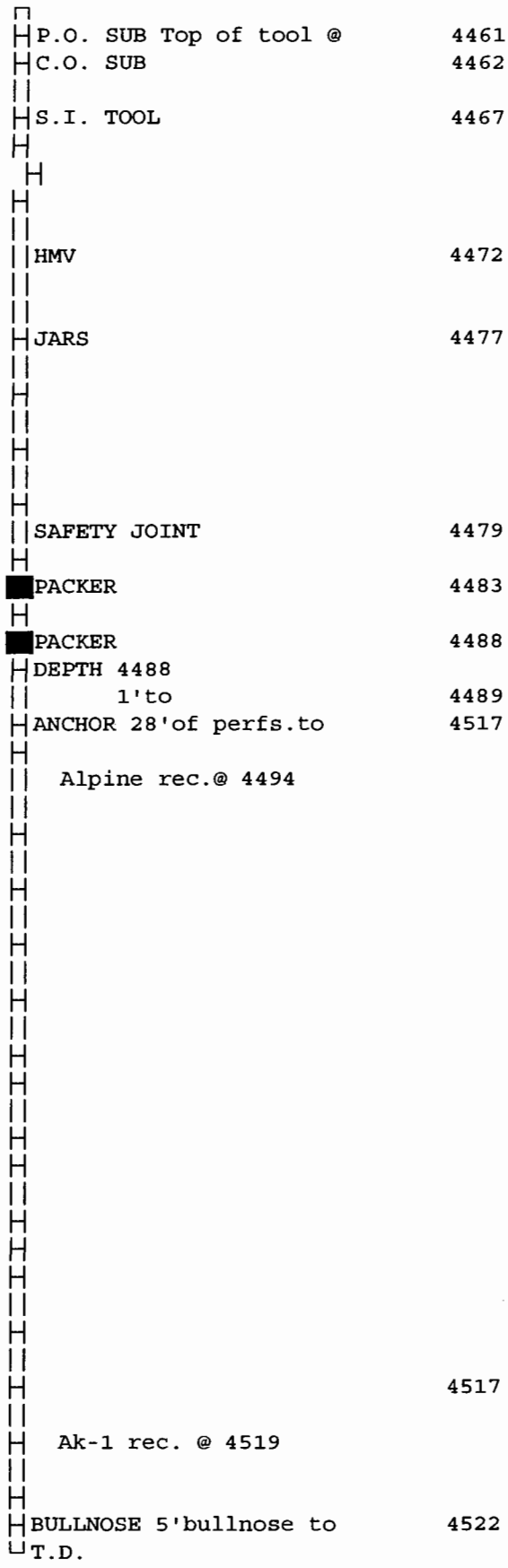
D.P. ABOVE TOOLS.Stands68 Single Total 4218.77

TOTAL DRILL COLLARS DRILL PIPE & TOOLS .. 4530

TOTAL DEPTH 4522

TOTAL DRILL PIPE ABOVE K.B. 8

REMARKS:



TEST HISTORY

Tk#12815 DST#3 Oak#1 Messenger Petroleum, Inc.

Flag Points

	t(Min.)	P(PSIg)
A:	0.00	2226.51
B:	0.00	523.53
C:	15.25	1076.45
D:	59.50	1676.11
E:	0.00	1101.29
F:	29.25	1571.46
G:	61.75	1675.36
Q:	0.00	2147.37

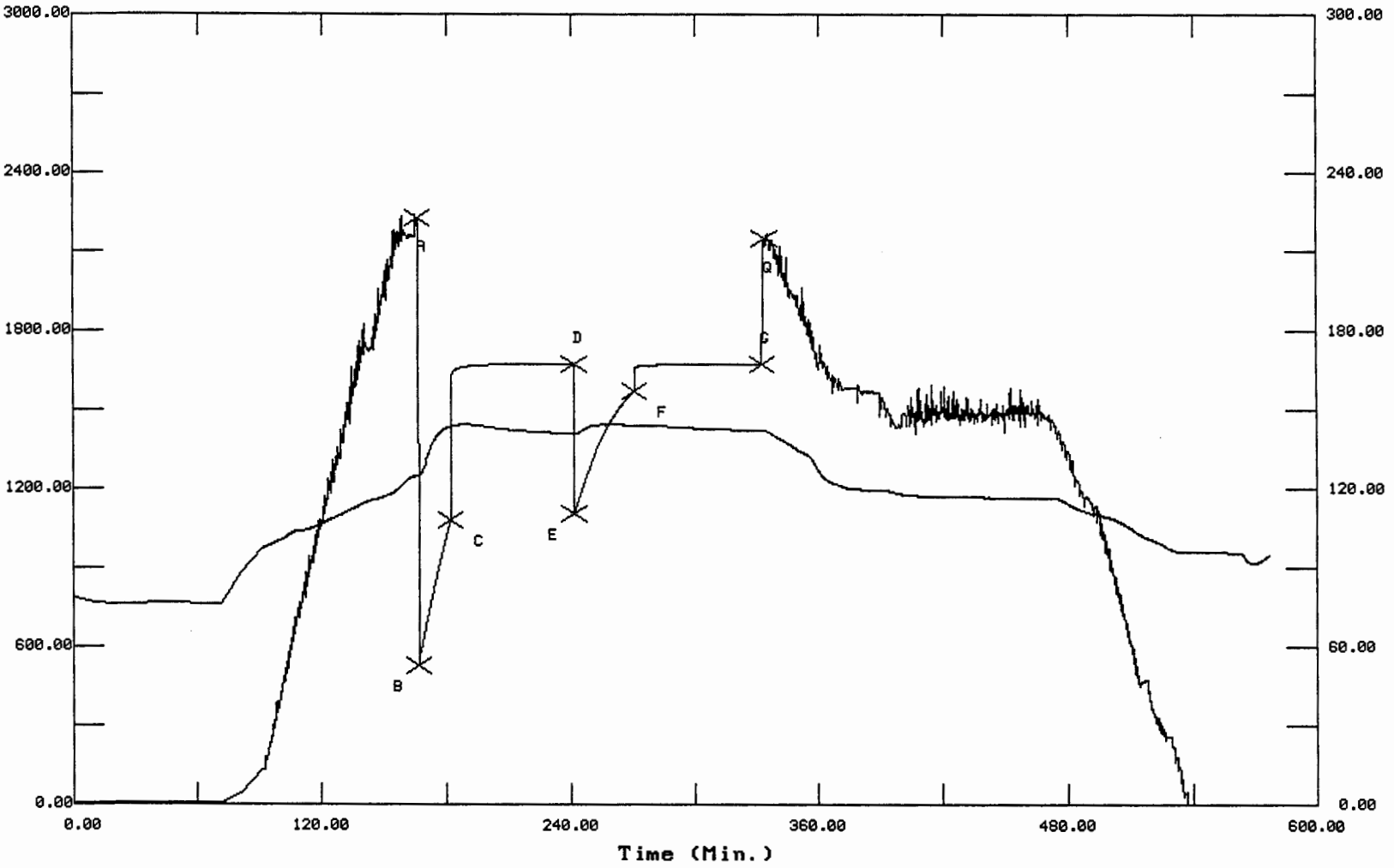
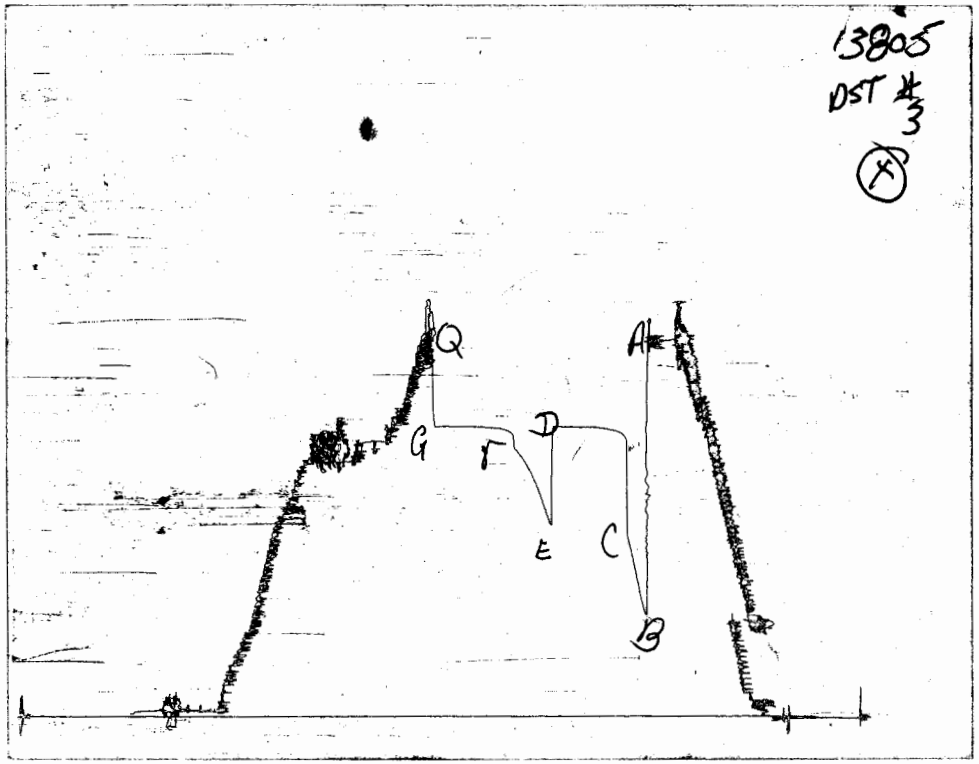


CHART PAGE



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

№ 12815

Well Name & No. Oak #1 Test No. #3 Date 08/04/2000

Company Messenger Pet, Inc. Zone Tested Simpson

Address 525 S. Main Kingman, Ks. Elevation 1543 KB 1533 GL

Co. Rep / Geo. Jon F. Messenger Cont. Sterling #4 Est. Ft. of Pay ___ Por. ___ %

Location: Sec. 29 Twp. 29S Rge. 7W Co. Kingman State Ks

No. of Copies 5 Distribution Sheet (Y, N) — Turnkey (Y, N) — Evaluation (Y, N) —

Interval Tested 4488' - 4522' Initial Str Wt./Lbs. 61,000 Unseated Str Wt./Lbs. 78,000

Anchor Length 34' Wt. Set Lbs. 20,000 Wt. Pulled Loose/Lbs. 80,000

Top Packer Depth 4483' Tool Weight 2100

Bottom Packer Depth 4488' Hole Size — 7 7/8" ✓ Rubber Size — 6 3/4" ✓

Total Depth 4522' Wt. Pipe Run N/A Drill Collar Run 249.23

Mud Wt. 9.1 LCM 0 Vis. 63 WL 10.0 Drill Pipe Size 4½ XH Ft. Run 4218.77

Blow Description IF: Strong blow b.o.b in 40 sec.
ISI: Bled down for 2 mins built back to b.o.b in 10 mins.
FF: Strong blow b.o.b in 50 sec.
FSI. Bled down for 2 mins. Built back to Weak surface blow.

Recovery — Total Feet 3400' GIP ___ Ft. in DC 249 Ft. in DP 3151'

Rec. 400'	Feet Of HMCW	Trace %gas	%oil	25 %water	75 %mud
Rec. 3000	Feet Of Salt Water	%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 145 °F Gravity ___ °API D@ ___ °F Corrected Gravity ___ °API

RW .1 @ 96° °F Chlorides 50,000 ppm Recovery Chlorides 6,000 ppm System

	AK-1	Alpine					
(A) Initial Hydrostatic Mud	2480	2227	PSI	Recorder No.	2350	T-On Location	0545
(B) First Initial Flow Pressure	581	524	PSI	(depth)	4494'	T-Started	0607
(C) First Final Flow Pressure	1028	1076	PSI	Recorder No.	13805	T-Open	0903 9:08
(D) Initial Shut-In Pressure	1673	1676	PSI	(depth)	4519'	T-Pulled	1147
(E) Second Initial Flow Pressure	1103	1101	PSI	Recorder No.	___	T-Out	1515
(F) Second Final Flow Pressure	1534	1571	PSI	(depth)	___	T-Off Location	1700
(G) Final Shut-in Pressure	1662	1675	PSI	Initial Opening	15	Test	✓ 750
(Q) Final Hydrostatic Mud	2410	2147	PSI	Initial Shut-in	60	Jars	✓ 200
				Final Flow	30	Safety Joint	✓ 50
				Final Shut-in	60	Straddle	___
						Circ. Sub	✓ 35
						Sampler	___
						Extra Packer	___
						Elec. Rec.	✓ 150
						Mileage	40 mile 40
						Other	ext 1hr 30
						TOTAL PRICE $	1255

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 Jon F Messenger

Our Representative Darren L Amerine