

17-34s-19w

Conservation Commission

15-033 - 21070

ORIGINAL

WELL NAME:

Hackney B #1-17

COMPANY:

Daystar Petroleum Inc.

LOCATION:

17-34s-19w

Comanche co Kansas

DATE:

3/24/00

RECEIVED

STATE CORPORATION COMMISSION

AUG 10 2000

CONSERVATION COMMISSION

TRILOBITE TESTING L.L.C.

ORIGINAL

OPERATOR : Daystar Petroleum, Inc. DATE 03/14/200
 WELL NAME: Hackney "B"#1-17 KB 1799.00 ft TICKET NO: 12090 DST #1
 LOCATION : 17-34s-19w Comanche co KS GR 1794.00 ft FORMATION: Swope/K.C.
 INTERVAL : 4828.00 To 4836.00 ft TD 4836.00 ft TEST TYPE: CONVENTIONAL

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 30 Rec.	10991	10991	2350			PF Fr. 2050 to 2120 hr
SI 60 Range(Psi)	4200.0	4200.0	4995.0	0.0	0.0	IS Fr. 2120 to 2220 hr
SF 90 Clock(hrs)	12hr.	12hr.	elec.			SF Fr. 2220 to 2350 hr
FS 120 Depth(ft)	4814.0	4814.0	4836.0	0.0	0.0	FS Fr. 2350 to 0150 hr

	Field	1	2	3	4	
A. Init Hydro	0.0	0.0	2459.0	0.0	0.0	T STARTED 1825 hr
3. First Flow	0.0	0.0	24.0	0.0	0.0	T ON BOTM 2047 hr
31. Final Flow	0.0	0.0	42.0	0.0	0.0	T OPEN 2050 hr
2. In Shut-in	0.0	0.0	1439.0	0.0	0.0	T PULLED 0150 hr
2. Init Flow	0.0	0.0	29.0	0.0	0.0	T OUT 0415 hr
3. Final Flow	0.0	0.0	83.0	0.0	0.0	
7. Fl Shut-in	0.0	0.0	1292.0	0.0	0.0	TOOL DATA-----
3. Final Hydro	0.0	0.0	2390.0	0.0	0.0	Tool Wt. 2100.00 lbs
Inside/Outside	0	0	I			Wt Set On Packer 20000.00 lbs
						Wt Pulled Loose 70000.00 lbs
						Initial Str Wt 66000.00 lbs
						Unseated Str Wt 66000.00 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 232.02 ft
						D.P. Length 4585.48 ft

RECOVERY

Net Fluid 232.00 ft of 232.00 ft in DC and 0.00 ft in DP
 1585.00 ft of Gas in pipe.
 50.00 ft of Free oil, Slightly gas cut
 0.00 ft of 8% gas 92% oil
 120.00 ft of Gas & oil cut mud Trace of water
 0.00 ft of 30% gas 45% oil 5% water 20% mud
 52.00 ft of Heavily gas cut oily mud
 0.00 ft of 50% gas 40% oil 10% mud
 0.00 ft of
 SALINITY 0.00 P.P.M. A.P.I. Gravity 41.00

BLOW DESCRIPTION

Initial Flow:
 Strong blow. Bottom of bucket in 20 seconds.
 Initial Shut-In:
 Bled down for 5 minutes. No blow back.
 Final Flow:
 Strong blow bottom of bucket in 10 seconds. Gas to surface in 2 1/2 minutes. Gauge gas.
 Final Shut-In:
 Bled down for 5 minutes. Very slight surface blow back.

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

MUD DATA-----
 Mud Type Chemical
 Weight 9.00 lb/cf
 Vis. 46.00 S/L
 W.L. 9.60 in3
 F.C. 0.32 in
 Mud Drop N
 Amt. of fill 0.00 ft
 Btm. H. Temp. 116.00 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. Brad Rhine
 Contr. Pickrell
 Rig # 1
 Unit # none
 Pump T. none

Test Successful: Y

GAS RECOVERY

COMPANY: Daystar Petroleum, Inc.

DATE: 03/14/200

WELL NAME: Hackney "B"#1-17

KB Elev: 1799.00 ft TICKET #12090 DST #1

WELL LOCATION: 17-34s-19w Comanche co KS

GR Elev: 1794.00 ft FORMATION: Swope/K.C.

INTERVAL Fr.: 4828.00 To 4836.00 T.D.: 4836.00 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)
12	0.25	0	8	4760.0
22	0.25	0	5	3710.0
32	0.25	0	5	3710.0
42	0.25	0	5	3710.0
52	0.25	0	4	3370.0
62	0.25	0	4	3370.0
72	0.25	0	4	3370.0
82	0.25	0	4	3370.0
90	0.25	0	4	3370.0

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:	20001626	Analyzed:	03/21/00
Sample From:	Hackney B 1-17 DST 2	Pressure:	
Producer:	Daystar Petroleum	Temperature:	
Date:		Location:	17-34-19
Time:		County:	Comanche
Sampler:		State:	Kansas
Source:		Formation:	Pawnee/ Ft. Scott

	Mole %	GPM
Helium	He: 0.017	0.000
Hydrogen	H2: 0.000	0.000
Oxygen	O2: 0.000	0.000
Nitrogen	N2: 2.089	0.000
Carbon Dioxide	CO2: 0.100	0.000
Methane	C1: 55.176	0.000
Ethane	C2: 9.496	2.540
Propane	C3: 13.815	3.807
Iso Butane	iC4: 2.327	0.761
Normal Butane	nC4: 7.078	2.232
Iso Pentane	iC5: 2.147	0.786
Normal Pentane	nC5: 2.399	0.869
Hexane Plus	C6+: 5.356	2.337

TOTAL: 100.000 13.330
Z Fact: 0.9911
SP.GR.: 1.1211
BTU (SAT): 1824.8 @ 14.73 psia
BTU (DRY): 1857.1 @ 14.73 psia
OCTANE RATING: 107.7

COMMENTS:

0.000

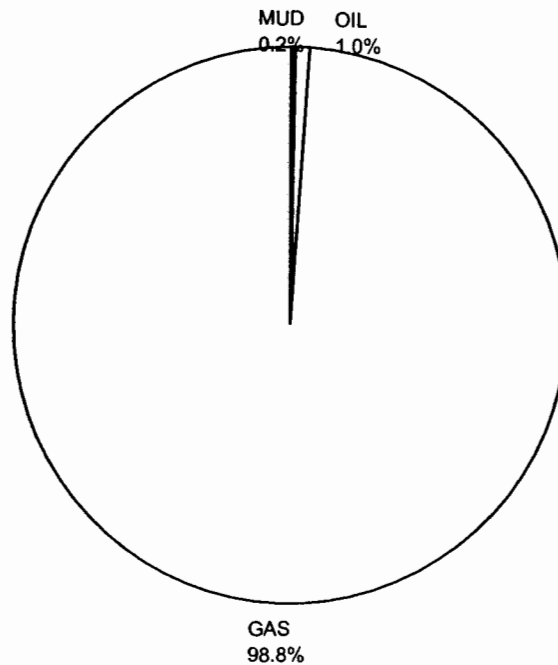
CALCULATED RECOVERY ANALYSIS

DST 1

TICKET 12090

SAMPLE		TOTAL		GAS		OIL		WATER		MUD	
#		FEET	%	FEET	%	FEET	%	FEET	%	FEET	%
DRILL	1	4585	100	4585	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
	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	60	8	4.8	92	55.2	0	0	0	0	0
COLLARS	2	120	30	36	45	54	5	6	20	24	
	3	52	50	26	40	20.8	0	0	10	5.2	
	4	0	0	0	0	0	0	0	0	0	
	5	0	0	0	0	0	0	0	0	0	
TOTAL		4817	0	4651.8	0	130	0	6	0	29.2	

			HRS OPEN		BBL/DAY
BBL OIL=	0.6357	*	2	=	7.6284
BBL WATER=	0.02934	*		=	0.35208
BBL MUD=	0.142788				
BBL GAS =	65.525352				



*** TOOL DIAGRAM *** CONVENTIONAL

WELL NAME: Hackney "B"#1-17

LOCATION : 17-34s-19w Comanche co KS

TICKET No. 12090 D.S.T. No. 1 DATE 03/14/200

TOTAL TOOL TO BOTTOM OF TOP PACKERS 32

INTERVAL TOOL

BOTTOM PACKERS AND ANCHOR 8

TOTAL TOOL 40

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 232.02

D.P. ABOVE TOOLS.Stands74 Single Total 4585.48

TOTAL DRILL COLLARS DRILL PIPE & TOOLS .. 4857.50

TOTAL DEPTH 4836.50

TOTAL DRILL PIPE ABOVE K.B. 21.0

REMARKS:

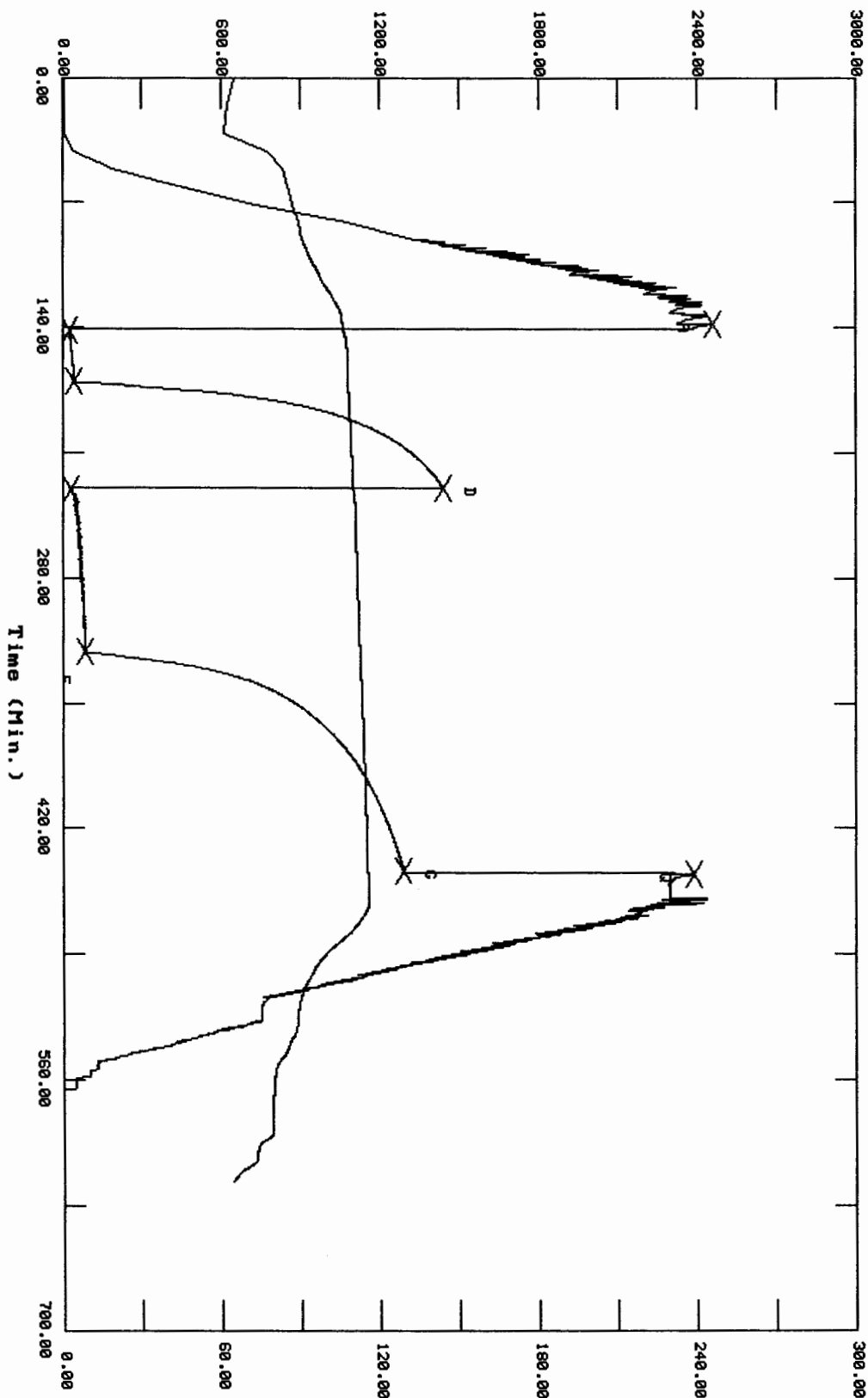
P.O. SUB Top of tool @	4797
C.O. SUB	4798
S.I. TOOL	4803
HMV	4808
JARS	4813
SAFETY JOINT	4815
4'A/P Ak-1 @	4814
PACKER	4823
PACKER	4828
DEPTH 4828	
1'to	4829
ANCHOR 2'of perms.to	4831
	4831
Alpine rec.@	4836
BULLNOSE 5'bullnose to	4836
T.D.	

Tk#12090 DST#1 Hackney "B" #1-17 Daystar Petroleum, Inc.

TEST HISTORY

Flag Points
(Min.) P (PSig)

A:	0.00	2459.41
B:	0.00	23.91
C:	28.25	41.54
D:	59.75	1438.93
E:	0.00	29.11
F:	90.75	83.00
G:	123.00	1292.06
H:	0.00	2390.00

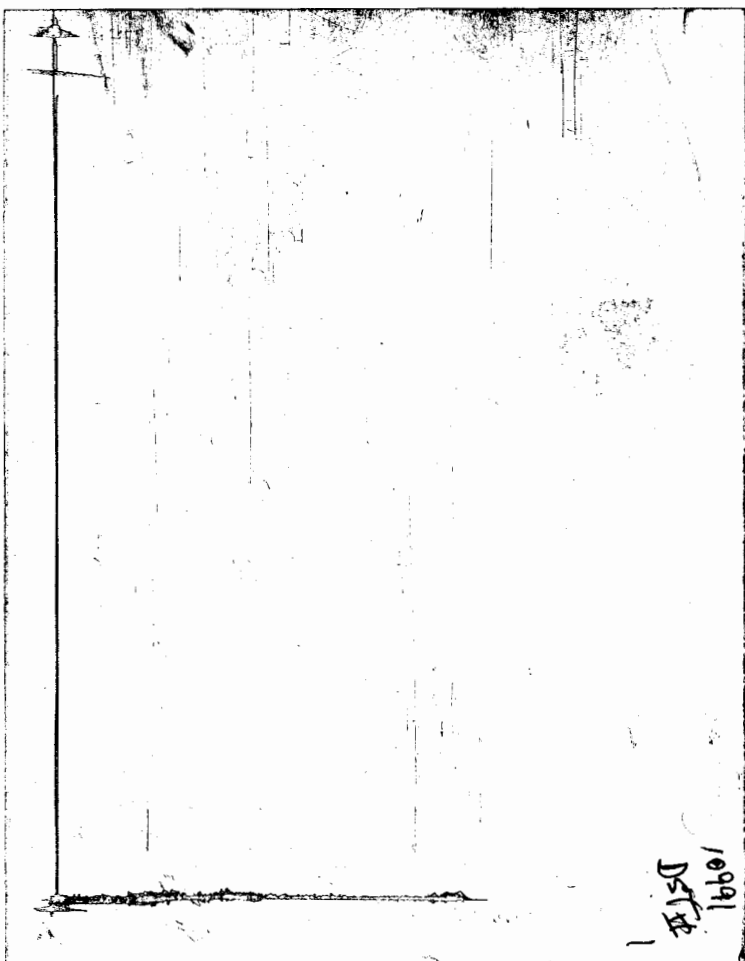


Temperature (DEG F)

Pressure (PSig)

Time (Min.)

CHART PAGE



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



GAS VOLUME REPORT

Daystar Pet, Inc
OPERATOR

Ducksey "B" 1-17
WELL NAME AND NO.

#,

DST NO.

6TS 2 1/2 mins into FF:

[illegible]

Remarks:

TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

N^o 12090

Test Ticket

Well Name & No. Hockett "B" 4-17 Test No. #1 Date 03/14/00
 Company Daystar Petroleum, Inc. Zone Tested Swape/KC
 Address 1321 W. 93rd. N. Valley Center, KS 67147 Elevation 1799' KB 1794' GL
 Co. Rep / Geo. Brad Rhine Cont. Pickrell #1 Est. Ft. of Pay Por. %
 Location: Sec. 17 Twp. 34S Rge. 19W Co. Comanche State KS
 No. of Copies 5 Distribution Sheet (Y, N) Turnkey (Y, N) Evaluation (Y, N)

Interval Tested 4828 - 4836 Initial Str Wt./Lbs. 66000 Unseated Str Wt./Lbs. 66000
 Anchor Length 8' Wt. Set Lbs. 20,000 Wt. Pulled Loose/Lbs. 70000
 Top Packer Depth 4825' Tool Weight 2100
 Bottom Packer Depth 4828' Hole Size — 7 7/8" ☒ Rubber Size — 6 3/4" ☒
 Total Depth 4836' Wt. Pipe Run N/A Drill Collar Run 232.02
 Mud Wt. 9.0+ LCM 3# Vis. 46 WL 9.6 Drill Pipe Size 4 1/2 XH Ft. Run 4585
 Blow Description IF: Strong blow b.o.b in 20 sec.
ISI: Bled down for 5 mins. No blow back
FF: Strong blow b.o.b in 10 sec. GTS in 2 1/2 mins. Bang 06as.
FSL: Bled down for 5 mins. Very slight surface blow back.
 Recovery — Total Feet 232' GIP 4585' Ft. in DC 232' Ft. in DP
 Rec. 60' Feet Of free oil. S6C 8%gas 92%oil %water %mud
 Rec. 620' Feet Of 650CM Trace Water 30%gas 45%oil 5%water 20%mud
 Rec. 52' Feet Of HOCOM 50%gas 40%oil %water 10%mud
 Rec. 4585 Feet Of GTP- %gas %oil %water %mud
 Rec. Feet Of %gas %oil %water %mud
 BHT 116° °F Gravity 41 °API D@ °F Corrected Gravity °API
 RW @ °F Chlorides ppm Recovery Chlorides 6000 ppm System

	AK-1	Alpine			
(A) Initial Hydrostatic Mud	<u>Close</u>	<u>2459</u>	PSI Recorder No.	<u>10991</u>	T-On Location <u>1700</u>
(B) First Initial Flow Pressure	<u>Didnt</u>	<u>24</u>	PSI (depth)	<u>4814'</u>	T-Started <u>1825</u>
(C) First Final Flow Pressure	<u>Run</u>	<u>42</u>	PSI Recorder No.	<u>2350</u>	T-Open <u>2050</u>
(D) Initial Shut-In Pressure	<u> </u>	<u>1439</u>	PSI (depth)	<u>4836'</u>	T-Pulled <u>0150</u>
(E) Second Initial Flow Pressure	<u> </u>	<u>29</u>	PSI Recorder No.	<u> </u>	T-Out <u>0415</u>
(F) Second Final Flow Pressure	<u> </u>	<u>83</u>	PSI (depth)	<u> </u>	T-Off Location <u>0500</u>
(G) Final Shut-in Pressure	<u> </u>	<u>1292</u>	PSI Initial Opening	<u>30</u>	Test <u> </u>
(Q) Final Hydrostatic Mud	<u> </u>	<u>2390</u>	PSI Initial Shut-in	<u>60</u>	Jars <u> </u>
			Final Flow	<u>90</u>	Safety Joint <u> </u>
			Final Shut-in	<u>120</u>	Straddle <u> </u>
					Circ. Sub <u> </u>
					Sampler <u> </u>
					Extra Packer <u> </u>
					Elec. Rec. <u> </u>
					Mileage <u> </u>
					Other <u> </u>
					TOTAL PRICE \$ <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 Rhine
 Our Representative Darren L. Merriam

TRILOBITE TESTING L.L.C.

OPERATOR : Daystar Petroleum, Inc.

DATE 03/16/200

WELL NAME: Hackney "B"#1-17

KB 1799.00 ft

TICKET NO: 12091 DST #2

LOCATION : 17-34s-19w Comanche co KS

GR 1794.00 ft

FORMATION: Pawnee/Ft.Scott

INTERVAL : 5047.00 To 5110.00 ft

TD 5110.00 ft

TEST TYPE: CONVENTIONAL

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 30 Rec.	10991	10991	2350			PF Fr. 1415 to 1445 hr
SI 60 Range(Psi)	4200.0	4200.0	4995.0	0.0	0.0	IS Fr. 1445 to 1545 hr
3F 60 Clock(hrs)	12hr.	12hr.	elec.			SF Fr. 1545 to 1645 hr
FS 120 Depth(ft)	5107.0	5107.0	5053.0	0.0	0.0	FS Fr. 1645 to 1845 hr

	Field	1	2	3	4	
A. Init Hydro	2450.0	2524.0	2528.0	0.0	0.0	T STARTED 1140 hr
B. First Flow	117.0	178.0	131.0	0.0	0.0	T ON BOTM 1412 hr
31. Final Flow	128.0	178.0	168.0	0.0	0.0	T OPEN 1415 hr
C. In Shut-in	1935.0	1975.0	1971.0	0.0	0.0	T PULLED 1845 hr
D. Init Flow	149.0	202.0	170.0	0.0	0.0	T OUT 2130 hr
E. Final Flow	181.0	212.0	214.0	0.0	0.0	
F. Fl Shut-in	1935.0	1952.0	1962.0	0.0	0.0	
G. Final Hydro	2471.0	2422.0	2447.0	0.0	0.0	

	Field	1	2	3	4	TOOL DATA-----
Inside/Outside	O	O	I			Tool Wt. 2100.00 lbs
						Wt Set On Packer 20000.00 lbs
						Wt Pulled Loose 85000.00 lbs
						Initial Str Wt 71000.00 lbs
						Unseated Str Wt 72000.00 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 232.02 ft
						D.P. Length 4800.98 ft

RECOVERY

Pot Fluid 640.00 ft of 232.00 ft in DC and 408.00 ft in DP
 4393.00 ft of Gas in pipe.
 220.00 ft of Slightly gas & oil cut mud
 0.00 ft of 11% gas 1% oil 88% mud
 240.00 ft of Slightly oil & gas cut muddy water
 0.00 ft of 52% gas 8% oil 25% water 15% mud
 180.00 ft of Slightly oil & condensate cut muddy water
 0.00 ft of 40% gas 10% oil 40% water 10% mud
 0.00 ft of

SALINITY 75000.00 P.P.M. A.P.I. Gravity 0.00

BLOW DESCRIPTION

Initial Flow:
 Strong blow. Bottom of bucket in 15 seconds. Gas to surface in 3 minutes.
 Gauged gas.

Initial Shut-In:
 Bled down for 30 minutes. No blow back.

Final Flow:
 Strong blow bottom of bucket in 10 seconds. Gauged gas.

Final Shut-In:
 Bled down for 60 minutes. Built back to weak surface bow 1 1/4" in diesel bucket.

SAMPLES: Carawaay Analytical, 728 N. Roosevelt
 SENT TO: Liberal, Ks. 67901

MUD DATA-----

Mud Type	Chemical
Weight	9.00 lb/cf
Vis.	44.00 S/L
W.L.	9.50 in3
F.C.	0.32 in
Mud Drop N	

Amt. of fill	0.00 ft
Btm. H. Temp.	113.00 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.	Brad Rhine
Contr.	Pickrell
Rig #	1
Unit #	none
Pump T.	no

Test Successful: Y

GAS RECOVERY

COMPANY: Daystar Petroleum, Inc.

DATE: 03/16/200

WELL NAME: Hackney "B"#1-17

KB Elev: 1799.00 ft TICKET #12091 DST #2

WELL LOCATION: 17-34s-19w Comanche co KS

GR Elev: 1794.00 ft FORMATION: Pawnee/Ft.Scott

INTERVAL Fr.: 5047.00 To 5110.00 T.D.: 5110.00 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)
13	0.75	18	0	370000.0
23	0.75	19	0	384000.0
30	0.75	20	0	378000.0

***** GAS RATES FOR FLOW #2

Time (min)	Orifice (in)	Pressure (Psi)	H2O (in)	Rate (cf/d)
10	0.75	22	0	424000.0
20	0.75	22	0	424000.0
30	0.75	21	0	411000.0
40	0.75	19	0	384000.0
50	0.75	19	0	384000.0
60	0.75	19	0	384000.0

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:	20001627	Analyzed:	03/21/00
Sample From:	Hackney B 1-17 DST 2	Pressure:	
Producer:	Daystar Petroleum	Temperature:	
Date:		Location:	17-34-19
Time:		County:	Comanche
Sampler:		State:	Kansas
Source:		Formation:	Swope/KC

	Mole %	GPM
Helium	He: 0.089	0.000
Hydrogen	H2: 0.022	0.000
Oxygen	O2: 0.000	0.000
Nitrogen	N2: 2.520	0.000
Carbon Dioxide	CO2: 0.036	0.000
Methane	C1: 84.248	0.000
Ethane	C2: 4.915	1.315
Propane	C3: 4.039	1.113
Iso Butane	iC4: 0.485	0.159
Normal Butane	nC4: 1.579	0.498
Iso Pentane	iC5: 0.393	0.144
Normal Pentane	nC5: 0.501	0.181
Hexanes Plus	C6+: 1.173	0.512

TOTAL: 100.000 3.921
 Z Fact: 0.9968
 SP.GR.: 0.7082
 BTU (SAT): 1188.4 @ 14.73 psia
 BTU (DRY): 1209.4 @ 14.73 psia
 OCTANE RATING: 121.2

COMMENTS:

0.000

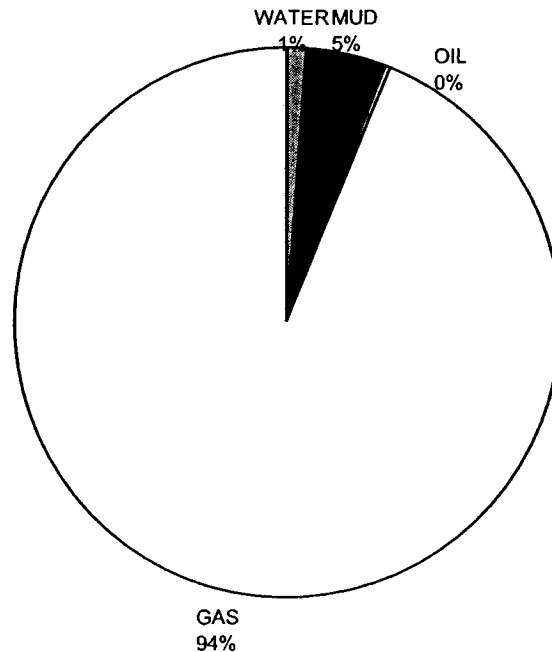
CALCULATED RECOVERY ANALYSIS

DST 2

TICKET 12091

SAMPLE		TOTAL	GAS		OIL		WATER		MUD	
#		FEET	%	FEET	%	FEET	%	FEET	%	FEET
DRILL	1	4393	100	4393	0	0	0	0	0	0
PIPE	2	220	11	24.2	1	2.2	0	0	88	193.6
	3	188	52	97.76	8	15.04	25	47	15	28.2
	4	0	0	0	0	0	0	0	0	0
	5	0	0	0	0	0	0	0	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	52	52	27.04	8	4.16	25	13	15	7.8
COLLARS	2	18	40	7.2	10	1.8	40	7.2	10	1.8
	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		4871	0	4549.2	0	23.2	0	67.2	0	231.4

			HRS OPEN		BBL/DAY
BBL OIL=	0.2742972	*	1.5	=	4.3887552
BBL WATER=	0.767118	*		=	12.273888
BBL MUD=	3.20094				
BBL GAS =	64.370165				



*** TOOL DIAGRAM *** CONVENTIONAL

WELL NAME: Hackney "B"#1-17

LOCATION : 17-34s-19w Comanche co KS

TICKET No. 12091 D.S.T. No. 2 DATE 03/16/200

TOTAL TOOL TO BOTTOM OF TOP PACKERS 28

INTERVAL TOOL

BOTTOM PACKERS AND ANCHOR 32

TOTAL TOOL 60

DRILL COLLAR ANCHOR IN INTERVAL

D.C. ANCHOR STND.Stands Single Total

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

TOTAL ASSEMBLY 91

D.C. ABOVE TOOLS.Stands4 Single Total 232.02

D.P. ABOVE TOOLS.Stands72 Single 1 Total 4800.98

TOTAL DRILL COLLARS DRILL PIPE & TOOLS .. 5110

TOTAL DEPTH 5124

TOTAL DRILL PIPE ABOVE K.B. 14

REMARKS:

P.O. SUB Top of tool @	5020
C.O. SUB	5021
S.I. TOOL	5026
HMV	5031
JARS	5036
SAFETY JOINT	5038
PACKER	5042
PACKER	5047
DEPTH 5047	
1'to	5048
ANCHOR 26'of perfs.to	5074
Alpine rec.@ 5053	
31'of drillpipe to	5074
	5105
	5105
Ak-1 rec.@ 5107	
BULLNOSE 5' bullnose to	5110
T.D.	

TK#12091 DST#2 Hackney "B" #1-17 Daystar Petroleum, Inc.

TEST HISTORY

Flag Points
(Min.) (K PSig)

A:	0.00	2527.65
B:	0.00	130.50
C:	27.75	167.68
D:	61.75	1970.87
E:	0.00	169.53
F:	57.50	214.18
G:	121.25	1961.72
H:	0.00	2447.33

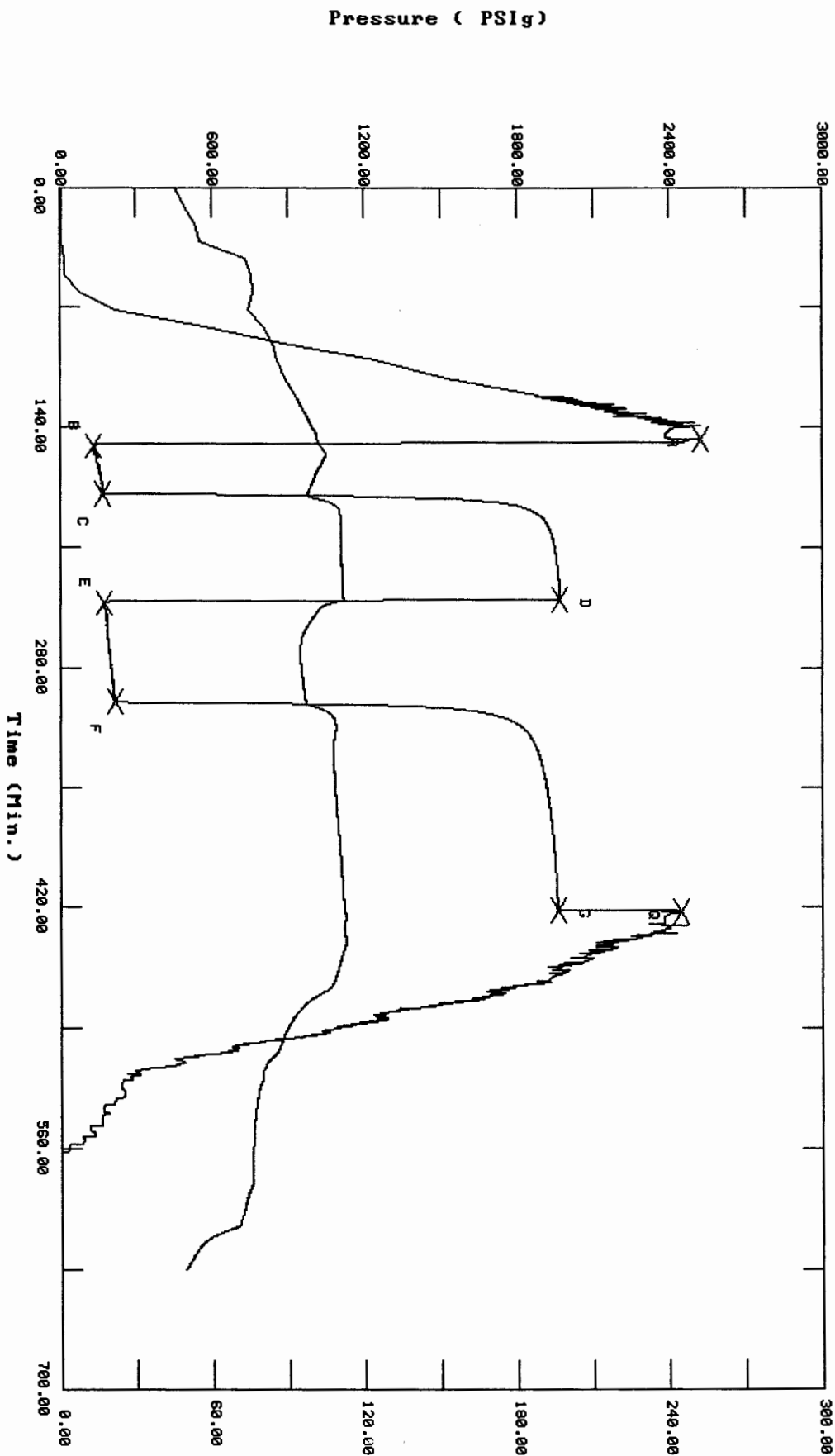
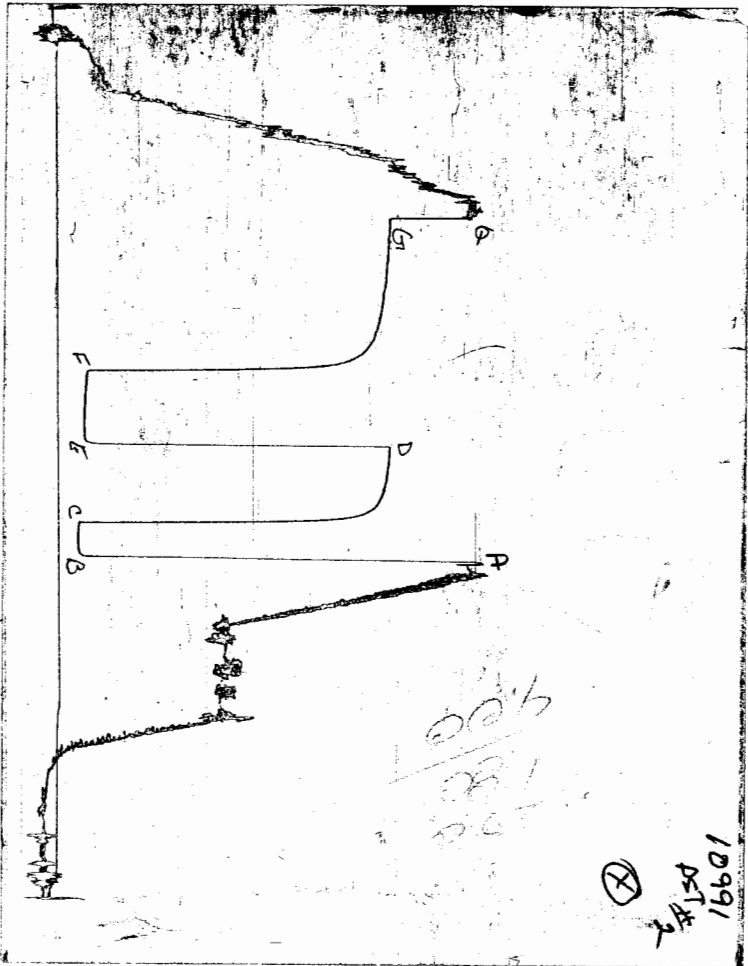


CHART PAGE



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



GAS VOLUME REPORT

Daystar Pet Inc. OPERATOR

VOLUME REPORT "B" #1-17

WELL NAME AND NO.

2

~~Pawnee T. Scott~~ POST NO. 1

615 in 3 mins

[illegible]

Remarks:

TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Nº 12091

Test Ticket

Well Name & No. <u>Hackney "B" #1-17</u>	Test No. <u>#2</u>	Date <u>03/16/2000</u>
Company <u>Daystar Pet, Inc.</u>	Zone Tested <u>Lawrence / Ft. Scott</u>	
Address <u>1321 W. 95th Valley Center, KS 67147</u>	Elevation <u>1799</u>	KB <u>1794</u> GL
Co. Rep / Geo. <u>Brad Rhine</u>	Cont. <u>Pickrell #1</u>	Est. Ft. of Pay <u> </u> Por. <u> </u> %
Location: Sec. <u>17</u> Twp. <u>34S</u> Rge. <u>19W</u>	Co. <u>Comanche, Co.</u>	State <u>KS</u>
No. of Copies <u> </u>	Distribution Sheet (Y, N) <u> </u>	Turnkey (Y, N) <u> </u> Evaluation (Y, N) <u> </u>

Interval Tested <u>5047' - 5110'</u>	Initial Str Wt./Lbs. <u>71,000</u>	Unseated Str Wt./Lbs. <u>72,000</u>
Anchor Length <u>63'</u>	Wt. Set Lbs. <u>20,000</u>	Wt. Pulled Loose/Lbs. <u>85,000</u>
Top Packer Depth <u>5045'</u>	Tool Weight <u>2100</u>	
Bottom Packer Depth <u>5047'</u>	Hole Size — 7 7/8" ☒	Rubber Size — 6 3/4" ☒
Total Depth <u>5110</u>	Wt. Pipe Run <u>N/A</u>	Drill Collar Run <u>232.02</u>
Mud Wt. <u>9.1</u> LCM <u>2#</u> Vis. <u>44</u> WL <u>9.5</u>	Drill Pipe Size <u>4 1/2 KH</u>	Ft. Run <u>4831.98</u>
Blow Description <u>TF: Strong blow b.o.b in 15 sec. GTS in 3 mins Gauge Gas.</u>		
<u>IST: Bled down for 30 mins. No blow back.</u>		
<u>FF: Strong blow b.o.b in 10 sec Gauge Gas</u>		
<u>EST: Bled down for 60 mins built back to work surface slowly indicated</u>		
Recovery — Total Feet <u>640'</u>	GIP <u>4393'</u>	Ft. in DC <u>232'</u> Ft. in DP <u>408'</u>
Rec. <u>220'</u> Feet Of <u>56' OCM</u>	11% gas 100% oil	%water 88% mud
Rec. <u>240'</u> Feet Of <u>80' 6CMW</u>	52% gas 100% oil	25% water 15% mud
Rec. <u>180'</u> Feet Of <u>80' 6CMW</u>	40% gas 10% oil	40% water 10% mud
Rec. <u>4393'</u> Feet Of <u>Gas In pipe</u>	%gas %oil	%water %mud
BHT <u>113</u> °F Gravity <u> </u>	°API D@ <u> </u>	°F Corrected Gravity <u> </u> °API
RW <u>.09</u> @ <u>75"</u> °F Chlorides <u>75,000</u>	ppm Recovery	Chlorides <u>7,000</u> ppm System

	AK-1	Alpine			
(A) Initial Hydrostatic Mud	<u>2430</u>	<u>2528</u>	PSI Recorder No. <u>2550</u>	T-On Location <u>0900</u>	
(B) First Initial Flow Pressure	<u>117</u>	<u>131</u>	PSI (depth) <u>5053'</u>	T-Started <u>1140</u>	
(C) First Final Flow Pressure	<u>128</u>	<u>168</u>	PSI Recorder No. <u>10991</u>	T-Open <u>1415</u>	
(D) Initial Shut-In Pressure	<u>1935</u>	<u>1971</u>	PSI (depth) <u>5107</u>	T-Pulled <u>1845</u>	
(E) Second Initial Flow Pressure	<u>149</u>	<u>170</u>	PSI Recorder No. <u> </u>	T-Out <u>2130</u>	
(F) Second Final Flow Pressure	<u>181</u>	<u>214</u>	PSI (depth) <u> </u>	T-Off Location <u>2230</u>	
(G) Final Shut-in Pressure	<u>1935</u>	<u>1962</u>	PSI Initial Opening <u>30</u>	Test ☒	
(Q) Final Hydrostatic Mud	<u>2471</u>	<u>2447</u>	PSI Initial Shut-in <u>60</u>	Jars ☒	
			Final Flow <u>60</u>	Safety Joint ☒	
			Final Shut-in <u>120</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 Rhine

Our Representative Darren Spurrine

Extra Packer
Elec. Rec. ☒
Mileage
Other
TOTAL PRICE \$

TRILOBITE TESTING L.L.C.

OPERATOR : Daystar Petroleum, Inc.

DATE 03-17-000

WELL NAME: Hackney B #1-17

KB 1799.00 ft

TICKET NO: 12777 DST #3

LOCATION : 17-34s-19w Comanche co KS

GR 1794.00 ft

FORMATION: Detrital/Miss

INTERVAL : 5147.00 To 5235.00 ft

TD 5235.00 ft

TEST TYPE: CONVENTIONAL

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 30 Rec.	10248	10248	2342			PF Fr. 1815 to 1845 hr
SI 60 Range(Psi)	4400.0	4400.0	4995.0	0.0	0.0	IS Fr. 1845 to 1945 hr
SF 90 Clock(hrs)	12 hr	12 hr	batt.			SF Fr. 1945 to 2115 hr
FS 120 Depth(ft)	5232.0	5232.0	5157.0	0.0	0.0	FS Fr. 2115 to 2315 hr

	Field	1	2	3	4	
A. Init Hydro	2625.0	2622.0	2532.0	0.0	0.0	T STARTED 1607 hr
B. First Flow	57.0	92.0	50.0	0.0	0.0	T ON BOTM 1808 hr
B1. Final Flow	69.0	92.0	57.0	0.0	0.0	T OPEN 1815 hr
C. In Shut-in	1100.0	1120.0	1087.0	0.0	0.0	T PULLED 2320 hr
D. Init Flow	73.0	101.0	66.0	0.0	0.0	T OUT 0230 hr
E. Final Flow	85.0	101.0	83.0	0.0	0.0	
F. Fl Shut-in	1218.0	1234.0	1201.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	2536.0	2556.0	2405.0	0.0	0.0	Tool Wt. 2100.00 lbs
Inside/Outside	0	0	I	T		Wt Set On Packer 20000.00 lbs
						Wt Pulled Loose 85000.00 lbs
						Initial Str Wt 74000.00 lbs
						Unseated Str Wt 74000.00 lbs

RECOVERY

Tot Fluid 175.00 ft of 175.00 ft in DC and 0.00 ft in DP	0.00 ft of Gas in all fluid free pipe.	175.00 ft of Heavy mud	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 EST.FT. of PAY-----10
SALINITY 5000.00 P.P.M. A.P.I. Gravity 0.00									

BLOW DESCRIPTION

Initial Flow:
Strong blow. Bottom of bucket in 1 1/2 minutes.
Initial Shut-In:
No blow.

Final Flow:

Strong blow. Gas to surface in 7 minutes. (See gas volume report)

Final Shut-In:

No blow.

SAMPLES: Gas sample

SENT TO:Caraway/Liberal

MUD DATA-----

Mud Type	Chemical
Weight	8.90 lb/cf
Vis.	53.00 S/L
W.L.	10.40 in3
F.C.	0.20 in
Mud Drop N	

Amt. of fill	2.00 ft
Btm. H. Temp.	125.00 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 N	
Tester	Gary Pevoteaux
Co. Rep.	Brad Rine
Contr.	Pickrell Drlg.
Rig #	1
Unit #	
Pump T.	LCM 1 #/bl

Test Successful: Y

GAS RECOVERY

COMPANY: Daystar Petroleum, Inc.

DATE: 03-17-000

WELL NAME: Hackney B #1-17

KB Elev: 1799.00 ft TICKET #12777 DST #3

WELL LOCATION: 17-34s-19w Comanche CO KS

GR Elev: 1794.00 ft FORMATION: Detrital/Miss

INTERVAL Fr.: 5147.00 To 5235.00 T.D.: 5235.00 ft TEST TYPE: CONVENTIONAL

GAS RECOVERY MEASURED WITH Adjusting Choke

***** GAS RATES FOR FLOW #2

Time (min)	Orifice (in)	Pressure (Psi)	H2O (in)	Rate (cf/d)
10	0.25	0	8	4760.0
20	0.25	0	6	4120.0
30	0.25	0	8	4760.0
40	0.25	0	8	4760.0
50	0.25	0	8	4760.0
60	0.25	0	8	4760.0
70	0.25	0	8	4760.0
80	0.25	0	8	4760.0
90	0.25	0	8	4760.0

*** TOOL DIAGRAM *** CONVENTIONAL

WELL NAME: Hackney B #1-17

LOCATION : 17-34s-19w Comanche co KS

TICKET No. 12777 D.S.T. No. 3 DATE 03-17-000

TOTAL TOOL TO BOTTOM OF TOP PACKERS 27

INTERVAL TOOL

BOTTOM PACKERS AND ANCHOR 26

TOTAL TOOL 53

DRILL COLLAR ANCHOR IN INTERVAL

D.C. ANCHOR STND.Stands Single Total

D.P. ANCHOR STND.Stands 1 Single Total 62

TOTAL ASSEMBLY 115

D.C. ABOVE TOOLS.Stands4 Single Total 236

D.P. ABOVE TOOLS.Stands79 Single Total 4888

TOTAL DRILL COLLARS DRILL PIPE & TOOLS .. 5239

TOTAL DEPTH 5235

TOTAL DRILL PIPE ABOVE K.B. 5

REMARKS:

FLUID SAMPLER DATA (not run)

GAS----- cubic ft
OIL----- ML.
MUD----- ML.
WATER----- ML.
OTHER-----
PRESSURE----- PSI
Rw ----- ohms @ deg. F.
CHLORIDES----- ppm.
GRAVITY----- deg.API

P.O. SUB	
C.O. SUB @ top of tool	5120
S.I. TOOL Sterling	5126
HMV Sterling	5131
JARS Bowen	5136
SAFETY JOINT bowen	5138
PACKER Top	5142
PACKER Btm.	5147
DEPTH 5147	
1 ft.	5148
ANCHOR	
4'perfs & sub to	5152
Alpine rec. @ 5157	
1 stand pipe to	5214
16'perfs & sub to	5230
AK-1 rec. @ 5232	
BULLNOSE 5 ft. perforated	5235
T.D.	

TEST HISTORY 12777 DST#3 HACKNEY B #1-17 DAYSTAR PETROLEUM INC.

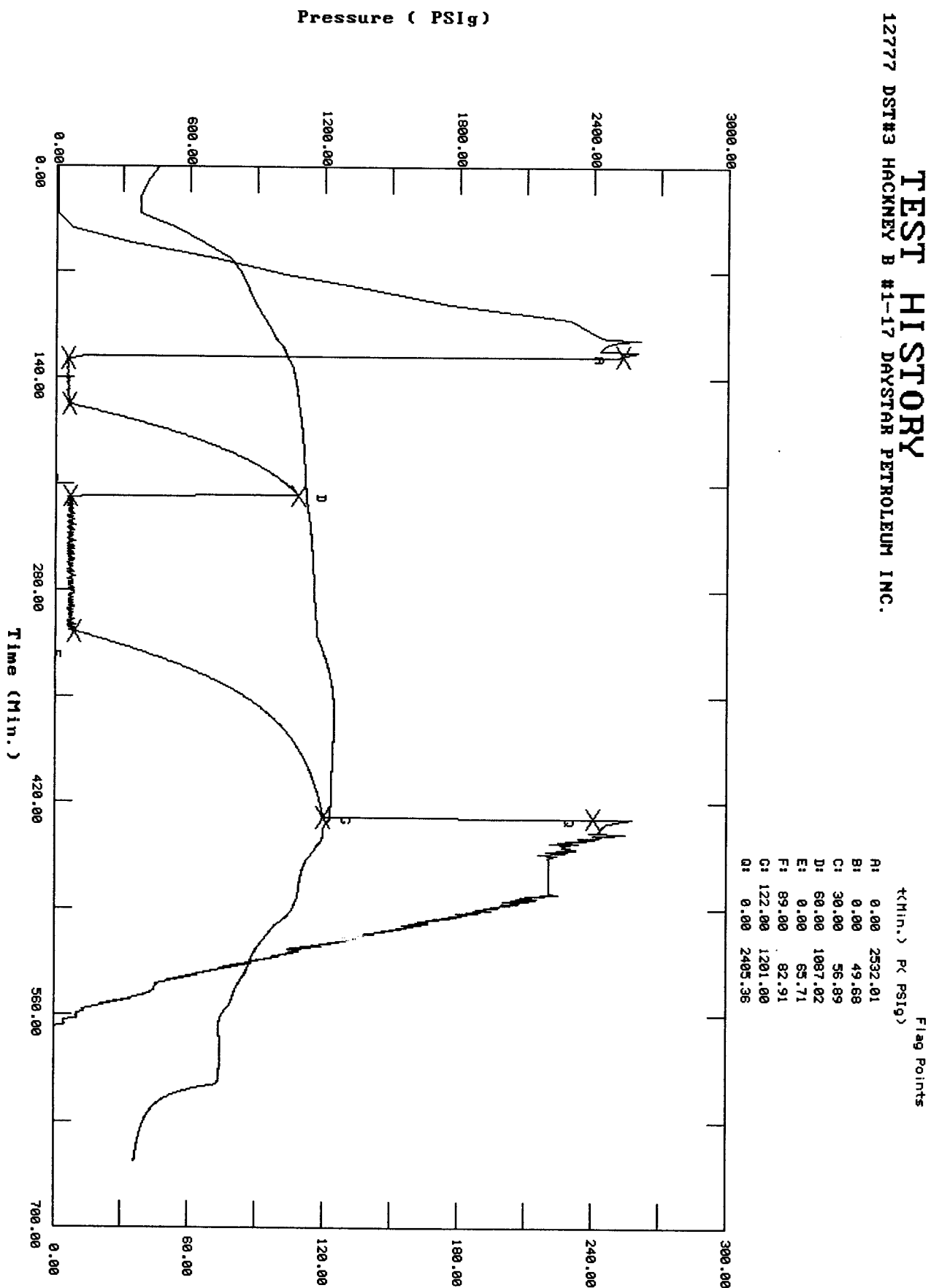
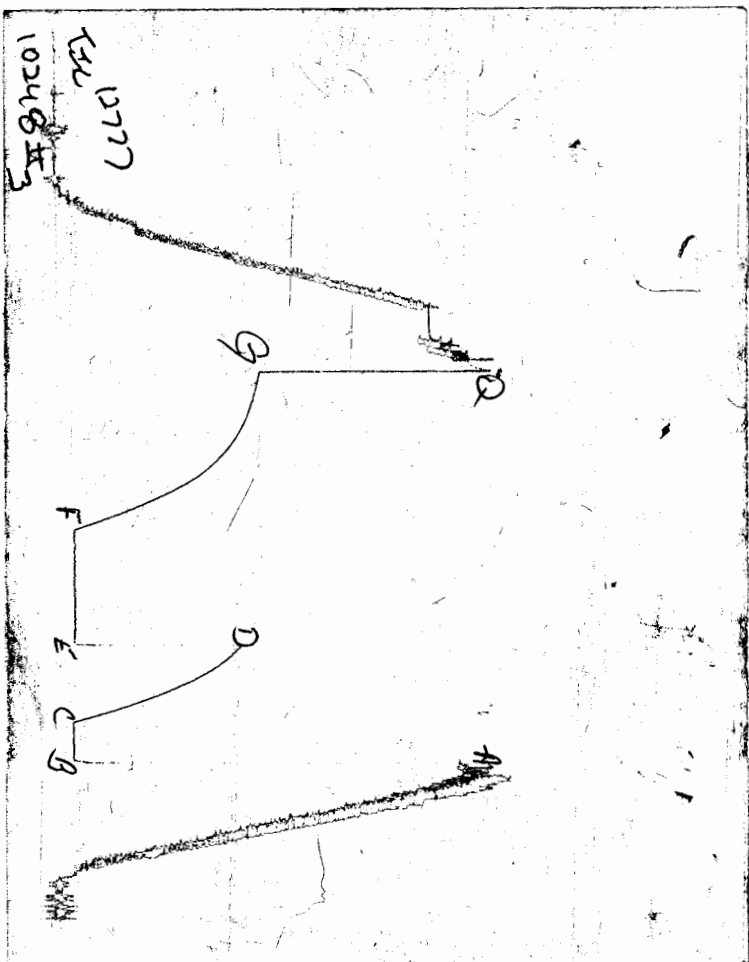


CHART PAGE



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



GAS VOLUME REPORT

Daystar Pet. Inc.
OPERATOR

Hackney B #1-17

3
DST NO.

Initial Open

Final Open

Remarks:

TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Test Ticket

N^o 12777

Well Name & No.	Hackney B #1-17	Test No.	3	Date	3-17-2000
Company	Daystar Petrol. Inc.	Zone Tested	Detrital Miss.		
Address	1321 W. 93 RD N. Valley Center Ks. 67147	Elevation	1799	KB	1994 GL
Co. Rep / Geo.	Brad Rine	Cont.	Pickrell Dlg. #1	Est. Ft. of Pay	10 Por. %
Location: Sec.	17	Twp.	34S	Rge.	19W Co. Comanche State Ks.
No. of Copies	5	Distribution Sheet (Y, N)	N	Turnkey (Y, N)	Evaluation (Y, N)

Interval Tested 5147 ~ 5235' Initial Str Wt./Lbs. 14,000 Unseated Str Wt./Lbs. 14,000
Anchor Length 88' Wt. Set Lbs. 20,000 Wt. Pulled Loose/Lbs. 85,000
Top Packer Depth 5142' Tool Weight 2100#
Bottom Packer Depth 5147' Hole Size — 7 7/8" ☒ Rubber Size — 6 3/4" ☒
Total Depth 5235' Wt. Pipe Run None Drill Collar Run 236'
Mud Wt. 8.9 LCM 1# Vis. 53 WL 10.4cc. Drill Pipe Size 4 1/2" x H. Ft. Run 4888'
Blow Description IF: Strong blow. B.O.B. in 1 1/2 mins.
ISI: No blow.
FF: Strong blow. GTS in 7 mins. (see gas volume report)
FSI: No blow.

Recovery — Total Feet 175 GIP yes Ft. in DC 175 Ft. in DP —
Rec. 175 Feet Of Heavy 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 125 °F Gravity N/A °API D₆₀ — °F Corrected Gravity N/A °API
RW N.C. @ — °F Chlorides 5,000 ppm Recovery Chlorides 5,000 ppm System

	AK-1	Alpine				
(A) Initial Hydrostatic Mud	<u>2425</u>	<u>2532</u>	PSI	Recorder No. <u>2342</u>	T-On Location	<u>1405</u>
(B) First Initial Flow Pressure	<u>57</u>	<u>50</u>	PSI	(depth) <u>5157'</u>	T-Started	<u>1607</u>
(C) First Final Flow Pressure	<u>69</u>	<u>57</u>	PSI	Recorder No. <u>10248</u>	T-Open	<u>1815</u>
(D) Initial Shut-In Pressure	<u>1100</u>	<u>1087</u>	PSI	(depth) <u>5232'</u>	T-Pulled	<u>2320</u>
(E) Second Initial Flow Pressure	<u>73</u>	<u>66</u>	PSI	Recorder No. <u>—</u>	T-Out	<u>0230</u>
(F) Second Final Flow Pressure	<u>85</u>	<u>83</u>	PSI	(depth) <u>—</u>	T-Off Location	<u>0345</u>
(G) Final Shut-in Pressure	<u>1218</u>	<u>1201</u>	PSI	Initial Opening <u>30</u>	Test	<u>✓ 800⁰⁰</u>
(Q) Final Hydrostatic Mud	<u>2536</u>	<u>2405</u>	PSI	Initial Shut-in <u>60</u>	Jars	<u>✓ 200⁰⁰</u>
				Final Flow <u>90</u>	Safety Joint	<u>✓ 50⁰⁰</u>
				Final Shut-in <u>120</u>	Straddle	<u>—</u>
				<u>9</u>	Circ. Sub	<u>—</u>
					Sampler	<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 Gary P. Watson

Extra Packer —
Elec. Rec. ✓ 150⁰⁰
Mileage 5.00
Other By ✓ 3360⁰⁰
TOTAL PRICE \$ 1260⁰⁰

TRILOBITE TESTING L.L.C.

OPERATOR : Daystar Petroleum Inc.

DATE 03-18-000

WELL NAME: Hackney B #1-17

KB 1799.00 ft

TICKET NO: 12778 DST #4

LOCATION : 17-34s-19w Comanche co KS

GR 1794.00 ft

FORMATION: Mississippi

INTERVAL : 5240.00 To 5264.00 ft

TD 5264.00 ft

TEST TYPE: CONVENTIONAL

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 30 Rec.	10248	10248	2342			PF Fr. 1445 to 1515 hr
SI 60 Range(Psi)	4400.0	4400.0	4995.0	0.0	0.0	IS Fr. 1515 to 1615 hr
SF 15 Clock(hrs)	12 hr	12 hr	batt.			SF Fr. 1615 to 1630 hr
FS 180 Depth(ft)	5261.0	5261.0	5245.0	0.0	0.0	FS Fr. 1630 to 1930 hr

	Field	1	2	3	4	
A. Init Hydro	2591.0	2609.0	2604.0	0.0	0.0	T STARTED 1217 hr
B. First Flow	12.0	31.0	19.0	0.0	0.0	T ON BOTM 1440 hr
B1. Final Flow	16.0	23.0	24.0	0.0	0.0	T OPEN 1445 hr
C. In Shut-in	373.0	361.0	369.0	0.0	0.0	T PULLED 1935 hr
D. Init Flow	16.0	35.0	19.0	0.0	0.0	T OUT 2140 hr
E. Final Flow	19.0	33.0	31.0	0.0	0.0	
F. Fl Shut-in	918.0	930.0	923.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	2508.0	2567.0	2492.0	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 95000.00 lbs
						Initial Str Wt 74000.00 lbs
						Unseated Str Wt 74000.00 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 236.00 ft
						D.P. Length 5011.00 ft

RECOVERY

Tot Fluid 80.00 ft of 80.00 ft in DC and 0.00 ft in DP
 0.00 ft of Trace of gas in pipe.
 80.00 ft of Heavy mud.
 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 EST.FT. of PAY-----6
 SALINITY 5000.00 P.P.M. A.P.I. Gravity 0.00

BLOW DESCRIPTION

Initial Flow:
 Fair to strong blow. Bottom of bucket
 in 10 minutes.

Initial Shut-In:
 No blow.

Final Flow:
 Strong blow. Bottom of bucket in 7
 minutes.

Final Shut-In:
 No blow.

SAMPLES: none

SENT TO: Caraway/Liberal

MUD DATA-----

Mud Type	Chemical
Weight	8.90 lb/cf
Vis.	53.00 S/L
W.L.	10.40 in3
F.C.	0.20 in
Mud Drop N	
Amt. of fill	2.00 ft
Btm. H. Temp.	121.00 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 N	
Tester	Gary Pevoteaux
Co. Rep.	Brad Rine
Contr.	Pickrell Drlg.
Rig #	1
Unit #	
Pump T.	LCM 1 #/bl

Test Successful: Y

*** TOOL DIAGRAM *** CONVENTIONAL

WELL NAME: Hackney B #1-17

LOCATION : 17-34s-19w Comanche co KS

TICKET No. 12778 D.S.T. No. 4 DATE 03-18-000

TOTAL TOOL TO BOTTOM OF TOP PACKERS 27

INTERVAL TOOL

BOTTOM PACKERS AND ANCHOR 24

TOTAL TOOL 51

DRILL COLLAR ANCHOR IN INTERVAL

D.C. ANCHOR STND.Stands Single Total

D.P. ANCHOR STND.Stands Single Total

TOTAL ASSEMBLY 51

D.C. ABOVE TOOLS.Stands4 Single Total 236

D.P. ABOVE TOOLS.Stands81 Single Total 5011

TOTAL DRILL COLLARS DRILL PIPE & TOOLS .. 5298

TOTAL DEPTH 5264

TOTAL DRILL PIPE ABOVE K.B. 34

REMARKS:

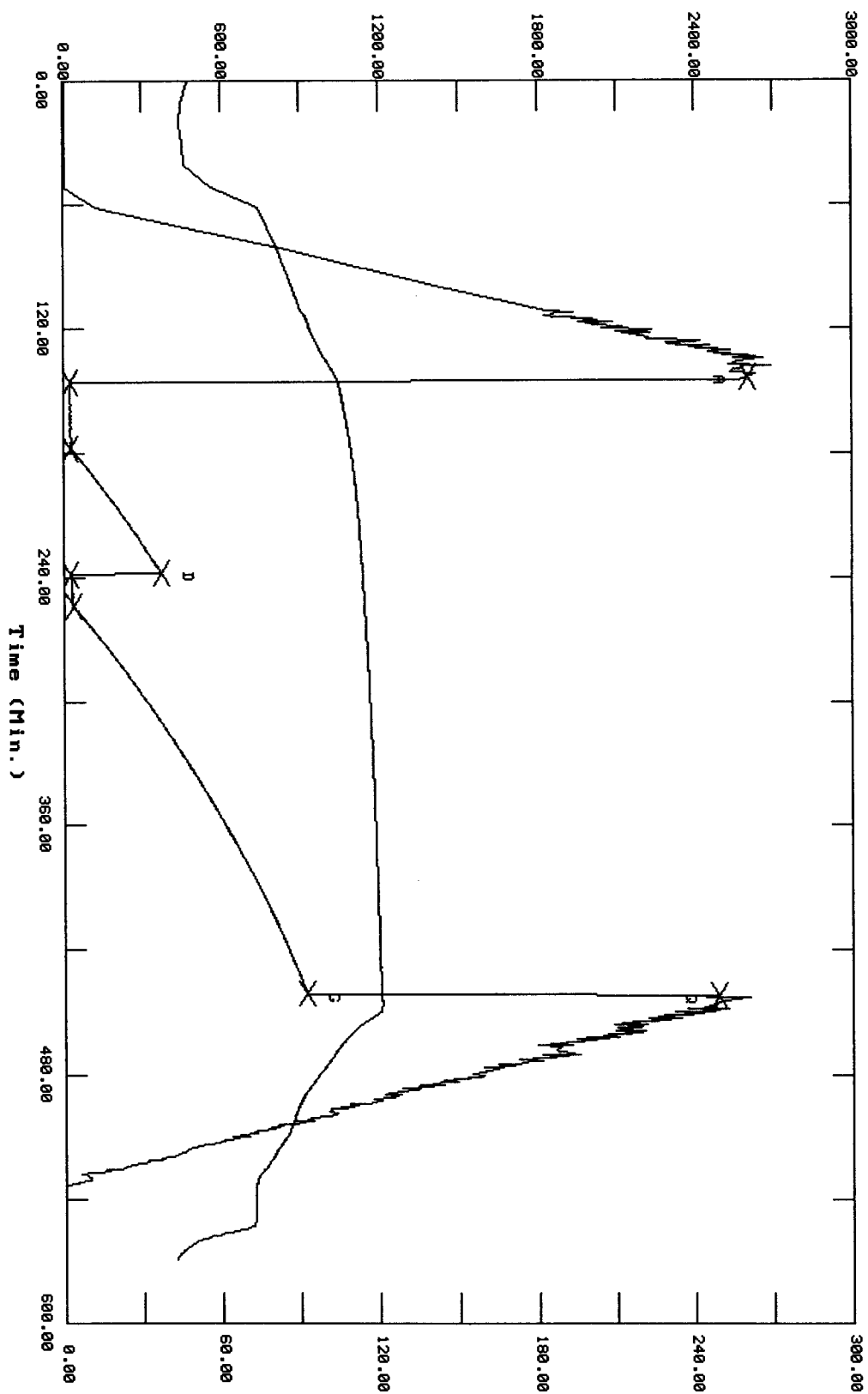
Comments:

FLUID SAMPLER DATA (not run)

GAS-----		cubic ft
OIL-----		ML.
MUD-----		ML.
WATER-----		ML.
OTHER-----		
PRESSURE-----		PSI
Rw -----	ohms @	deg. F.
CHLORIDES-----		ppm.
GRAVITY-----		deg.API

P.O. SUB	
C.O. SUB @ top of tool	5213
S.I. TOOL Sterling	5219
HMV Sterling	5224
JARS Bowen	5229
SAFETY JOINT bowen	5231
PACKER Top	5235
PACKER Btm.	5240
DEPTH 5240	
1 ft.	5241
ANCHOR	
perfs	
Alpine rec. @ 5245	
18'perfs to	5259
AK-1 rec. @ 5261	
BULLNOSE 5 ft. perforated	5264
T.D.	

TEST HISTORY 12778 DST#4 HACKNEY B #1-17 DAYSTAR PETROLEUM INC.



Flag Points

t (Min.)	P (PSIg)
A: 0.00	2604.10
B: 0.00	18.79
C: 31.50	24.33
D: 60.50	369.11
E: 0.00	18.79
F: 15.50	30.88
G: 187.00	923.45
H: 0.00	2492.40

Temperature (DEG F)

Ex 10718
CD 10248 II

A hand-drawn diagram of a geological profile. The diagram shows a cross-section with points A, B, C, D, and E. A dashed line connects A and B. A solid line connects A and C. A solid line connects C and D. A solid line connects D and E. A solid line connects E and B. The diagram is labeled with 'Ex 10718' and 'CD 10248 II' in the top left corner.

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

N^o 12778

Well Name & No.	Hackney B # 1-17	Test No.	4	Date	3-18-2000
Company	Daystar Petrol. Inc.	Zone Tested	Miss		
Address	1321 W 93 RD N, Valley Center Ks. 67147	Elevation	1799	KB	1794 GL
Co. Rep / Geo.	Brad Rine	Cont.	Pickrell Drly #1	Est. Ft. of Pay	6 Por. %
Location: Sec.	17	Twp.	34 ^S	Rge.	19 ^W
		Co.	Comanche	State	Ks.
No. of Copies	5	Distribution Sheet (Y, N)	N	Turnkey (Y, N)	
		Evaluation (Y, N)			

Interval Tested	5240 - 5264'	Initial Str Wt./Lbs.	74,000	Unseated Str Wt./Lbs.	74,000
Anchor Length	24'	Wt. Set Lbs.	20,000	Wt. Pulled Loose/Lbs.	95,000
Top Packer Depth	5235'	Tool Weight	2100 II		
Bottom Packer Depth	5240'	Hole Size — 7 7/8"	✓	Rubber Size — 6 3/4"	✓
Total Depth	5264'	Wt. Pipe Run	None	Drill Collar Run	236'
Mud Wt. 8.9 LCM 1# Vis. 53 WL 10.4cc		Drill Pipe Size	4 1/2" X.H.	Ft. Run	5011
Blow Description	FF: Fair to strong blow. B.O.B. in 10 mins. ISI: No blow.				
	FF: Strong blow. B.O.B. in 7 mins. FSI: No blow.				

Recovery — Total Feet	80	GIP	trace	Ft. in DC	80	Ft. in DP	—
Rec.	80	Feet Of	Heavy 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	121	°F Gravity	N/A	°API @	—	°F Corrected Gravity	N/A
RW	N.C.	@	—	°F Chlorides	5,000	ppm Recovery	Chlorides 5,000 ppm System

	AK-1	Alpine				
(A) Initial Hydrostatic Mud	2591	2604	PSI	Recorder No.	2342	T-On Location
(B) First Initial Flow Pressure	12	19	PSI	(depth)	5245'	T-Started
(C) First Final Flow Pressure	16	24	PSI	Recorder No.	10248	T-Open
(D) Initial Shut-In Pressure	373	369	PSI	(depth)	5261'	T-Pulled
(E) Second Initial Flow Pressure	16	19	PSI	Recorder No.	—	T-Out
(F) Second Final Flow Pressure	19	31	PSI	(depth)	—	T-Off Location
(G) Final Shut-in Pressure	918	923	PSI	Initial Opening	80	Test
(Q) Final Hydrostatic Mud	2508	2492	PSI	Initial Shut-in	60	Jars

Final Flow	15	Safety Joint	✓	80
Final Shut-in	180	Straddle		
	9	Circ. Sub		
		Sampler		

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Approved By Brad Rine

Our Representative Gary F. Watson

Extra Packer	
Elec. Rec.	✓ 150 ⁰⁰
Mileage	5000 ✓
Other	BY ✓ 30 ⁰⁰
TOTAL PRICE \$	✓ 1280 ⁰⁰