

WELL NAME: James Trust 1-A
COMPANY: Hartman Oil Co. Inc.
LOCATION: 21-23s-16w
Pawnee County, Kansas
DATE: 7/15/98

TRILOBITE TESTING L.L.C.

OPERATOR : Hartman Oil Co.

DATE 7-11-98

WELL NAME: James Trust 1-A

KB

0.00 ft

TICKET NO: 11327

DST #1

LOCATION : 21-23s-16w Pawnee co. KS

GR

2065.00 ft

FORMATION: Kansas City

INTERVAL : 3644.00 To 3678.00 ft

TD

3678.00 ft

TEST TYPE: CONV

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 30 Rec.	11085	11085	10270			PF Fr. 2305 to 2335 hr
SI 60 Range(Psi)	4300.0	4300.0	4150.0	0.0	0.0	IS Fr. 2335 to 0034 hr
SF 60 Clock(hrs)	12	12	12			SF Fr. 0035 to 0135 hr
FS 60 Depth(ft)	3647.0	3647.0	3650.0	0.0	0.0	FS Fr. 0135 to 0235 hr

	Field	1	2	3	4	
A. Init Hydro	1722.0	1733.0	0.0	0.0	0.0	T STARTED 2120 hr
B. First Flow	33.0	44.0	0.0	0.0	0.0	T ON BOTM 2300 hr
B1. Final Flow	66.0	71.0	0.0	0.0	0.0	T OPEN 2305 hr
C. In Shut-in	1104.0	1083.0	0.0	0.0	0.0	T PULLED 0235 hr
D. Init Flow	77.0	71.0	0.0	0.0	0.0	T OUT 0615 hr
E. Final Flow	143.0	156.0	0.0	0.0	0.0	
F. Fl Shut-in	1104.0	1095.0	0.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	1690.0	1673.0	0.0	0.0	0.0	Tool Wt. 2200.00 lbs
Inside/Outside	0	0	I			Wt Set On Packer 20000.00 lbs
						Wt Pulled Loose 72000.00 lbs
						Initial Str Wt 66000.00 lbs
						Unseated Str Wt 67000.00 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 485.00 ft
						D.P. Length 3137.00 ft

RECOVERY

Tot Fluid 370.00 ft of 370.00 ft in DC and 0.00 ft in DP
 130.00 ft of Oil and gas cut mud 10% gas 5% oil 85% mud
 60.00 ft of Slight oil and gas cut muddy water
 0.00 ft of 10% gas 2% oil 48% water 40% mud
 180.00 ft of Slight oil and gas cut muddy water
 0.00 ft of 5% gas 1% oil 84% water 10% mud
 0.00 ft of
 0.00 ft of
 0.00 ft of

SALINITY 34000.00 P.P.M. A.P.I. Gravity 0.00

BLOW DESCRIPTION

Initial Flow:

Weak building to a strong blow in 6 mins.

Final Flow:

Strong blow throughout gas to surface in 5 mins. in final shut-in, no gauge

SAMPLES:

SENT TO:

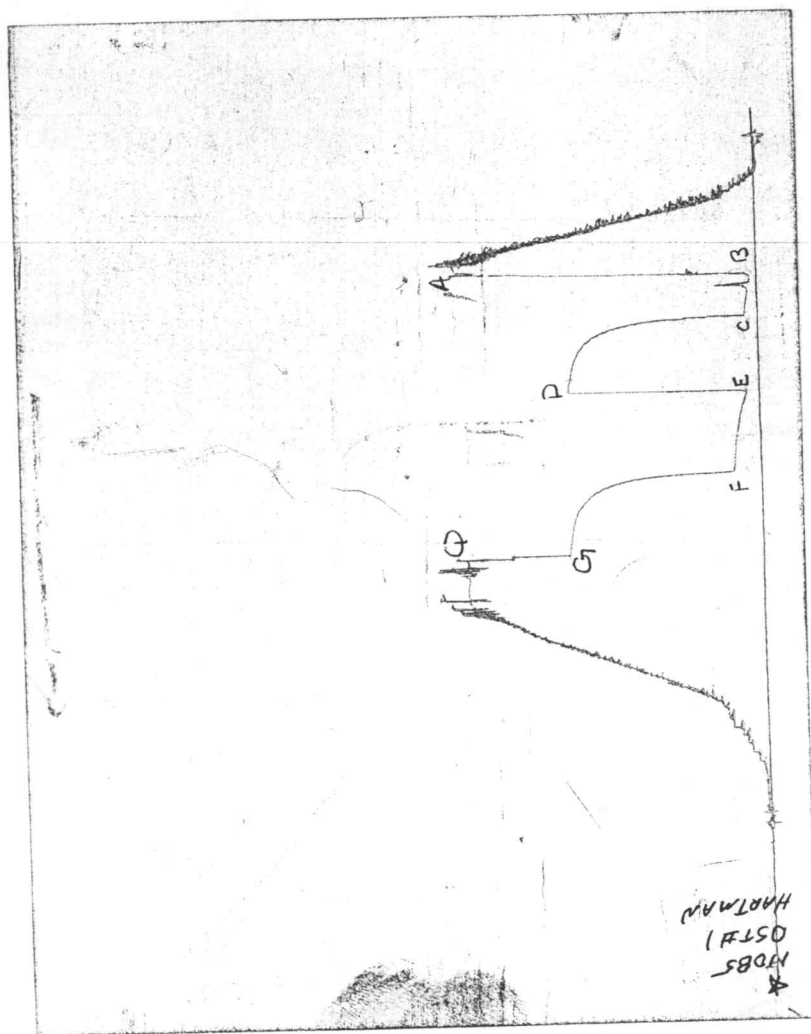
MUD DATA-----

Mud Type	Chemical
Weight	9.00 lb/c
Vis.	46.00 S/L
W.L.	10.40 in3
F.C.	0.00 in
Mud Drop	

Amt. of fill	0.00 ft
Btm. H. Temp.	109.00 F
Hole Condition	
% Porosity	0.00
Packer Size	6.75 in
No. of Packers	2
Cushion Amt.	0.00
Cushion Type	
Reversed Out	
Tool Chased	
Tester	Ray Schwager
Co. Rep.	Terry Mclead
Contr.	Sterling Drlg
Rig #	
Unit #	
Pump T.	

Test Successful: Y

CHART PAGE



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

TRILOBITE TESTING L.L.C.

OPERATOR : Hartman Oil Co. Inc.

DATE 7-13-98

WELL NAME: James Trust 1-A

KB 0.00 ft

TICKET NO: 11328

DST #2

LOCATION : 21-23s-16w Pawnee co. KS

GR 2065.00 ft

FORMATION: Arbuckle

INTERVAL : 4015.00 To 4042.00 ft

TD 4042.00 ft

TEST TYPE: CONV

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 30 Rec.	11085	11085	10270			PF Fr. 1230 to 1300 hr
SI 30 Range(Psi)	4300.0	4300.0	4150.0	0.0	0.0	IS Fr. 1300 to 1330 hr
SF 0 Clock(hrs)	12	12	12			SF Fr. to hr
FS 0 Depth(ft)	4034.0	4034.0	4037.0	0.0	0.0	FS Fr. to hr

	Field	1	2	3	4	
A. Init Hydro	2015.0	2034.0	0.0	0.0	0.0	T STARTED 1040 hr
B. First Flow	77.0	99.0	0.0	0.0	0.0	T ON BOTM 1225 hr
B1. Final Flow	88.0	100.0	0.0	0.0	0.0	T OPEN 1230 hr
C. In Shut-in	110.0	114.0	0.0	0.0	0.0	T PULLED 1330 hr
D. Init Flow	0.0	0.0	0.0	0.0	0.0	T OUT 0340 hr
E. Final Flow	0.0	0.0	0.0	0.0	0.0	
F. Fl Shut-in	0.0	0.0	0.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	2004.0	2016.0	0.0	0.0	0.0	Tool Wt. 2200.00 lbs
Inside/Outside	O	O	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 485.00 ft
						D.P. Length 3508.00 ft

RECOVERY

Tot Fluid 5.00 ft of 5.00 ft in DC and 0.00 ft in DP

5.00 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

0.00 ft of

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

BLOW DESCRIPTION

Initial Flow:

Very weak blow died in 15 min.

SAMPLES:

SENT TO:

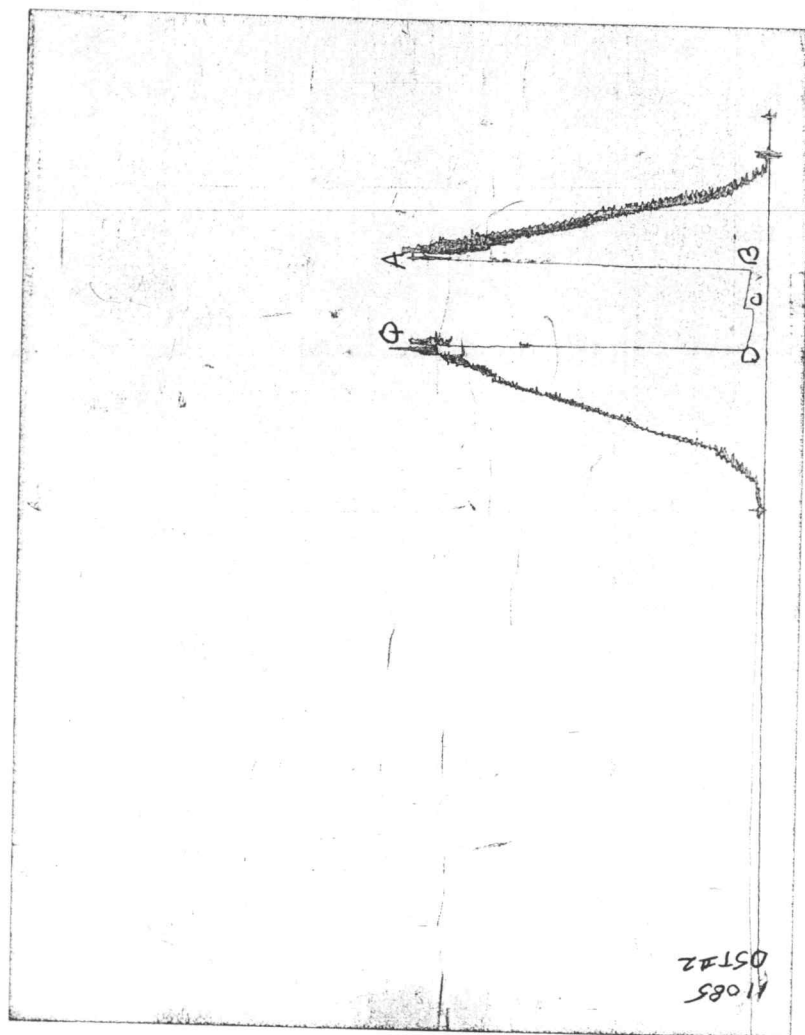
MUD DATA-----

Mud Type	Chemical
Weight	9.30 lb/c
Vis.	53.00 S/L
W.L.	10.80 in3
F.C.	0.00 in
Mud Drop	

Amt. of fill	0.00 ft
Btm. H. Temp.	112.00 F
Hole Condition	
% Porosity	0.00
Packer Size	6.75 in
No. of Packers	2
Cushion Amt.	0.00
Cushion Type	
Reversed Out	
Tool Chased	
Tester	Ray Schwager
Co. Rep.	Terry Mclead
Contr.	Sterling Drlg
Rig #	
Unit #	
Pump T.	

Test Successful: Y

CHART PAGE



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

TRILOBITE TESTING L.L.C.

OPERATOR : Hartman Oil Co. Inc.

DATE 7-14-98

WELL NAME: James Trust 1-A

KB 0.00 ft

TICKET NO: 11329 DST #3

LOCATION : 21-23s-16w Pawnee co. KS

GR 2065.00 ft

FORMATION: Arbuckle

INTERVAL : 4048.00 To 4068.00 ft

TD 4121.00 ft

TEST TYPE: CONV-STRADDLE

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 60 Rec.	11085	11085	10270	13401		PF Fr. 1115 to 1215 hr
SI 60 Range(Psi)	4300.0	4300.0	4150.0	3950.0	0.0	IS Fr. 1215 to 1315 hr
SF 60 Clock(hrs)	12	12	12	12		SF Fr. 1315 to 1415 hr
FS 60 Depth(ft)	4052.0	4052.0	4055.0	4078.0	0.0	FS Fr. 1415 to 1515 hr

	Field	1	2	3	4	
A. Init Hydro	1993.0	1991.0	0.0	0.0	0.0	T STARTED 0920 hr
B. First Flow	1060.0	1068.0	0.0	0.0	0.0	T ON BOTM 1110 hr
B1. Final Flow	1093.0	1101.0	0.0	0.0	0.0	T OPEN 1115 hr
C. In Shut-in	1299.0	1300.0	0.0	0.0	0.0	T PULLED 1515 hr
D. Init Flow	1126.0	1129.0	0.0	0.0	0.0	T OUT 1745 hr
E. Final Flow	1158.0	1159.0	0.0	0.0	0.0	
F. Fl Shut-in	1310.0	1316.0	0.0	0.0	0.0	
G. Final Hydro	1917.0	1920.0	0.0	0.0	0.0	

	Field	1	2	3	4	TOOL DATA-----
Inside/Outside	O	O	I	S		Tool Wt. 2200.00 lbs

RECOVERY

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

Strong blow gas to surface in 3 mins.

Final Flow:

Gas to surface

MUD DATA-----

Mud Type	Chemical
Weight	9.00 lb/c
Vis.	53.00 S/L
W.L.	10.80 in3
F.C.	0.00 in
Mud Drop	

Amt. of fill	0.00 ft
Btm. H. Temp.	114.00 F
Hole Condition	
% Porosity	0.00
Packer Size	6.75 in
No. of Packers	3
Cushion Amt.	0.00
Cushion Type	
Reversed Out	
Tool Chased	
Tester	Ray Schwager
Co. Rep.	Terry Mclead
Contr.	Sterling Drlg
Rig #	
Unit #	
Pump T.	

SAMPLES:

SENT TO:

Test Successful: Y

GAS RECOVERY

COMPANY: Hartman Oil Co. Inc.

DATE: 7-14-98

WELL NAME: James Trust 1-A

KB Elev: 0.00

ft TICKET #11329

DST #3

WELL LOCATION: 21-23s-16w Pawnee co. KS

GR Elev: 2065.00

ft FORMATION: Arbuckle

INTERVAL Fr.: 4048.00 To 4068.00 T.D.: 4121.00 ft TEST TYPE: CONV-STRADDLE

GAS RECOVERY MEASURED WITH Merla Gauge

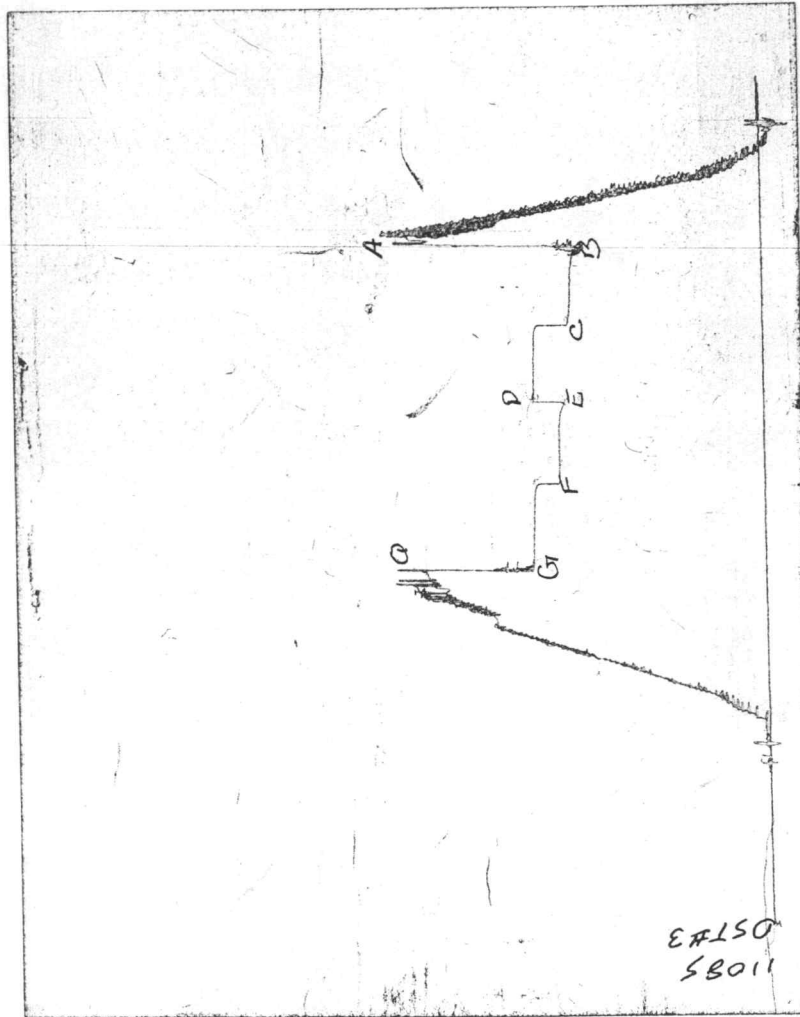
***** GAS RATES FOR FLOW #1

Time (min)	Orifice (in)	Pressure (Psi)	H2O (in)	Rate (cf/d)
7	1.25	0	60	2702000.0
17	1.25	0	95	3960000.0
27	1.25	0	100	4146000.0
37	1.25	0	100	4146000.0
47	1.25	0	100	4146000.0
57	1.25	0	100	4146000.0

***** GAS RATES FOR FLOW #2

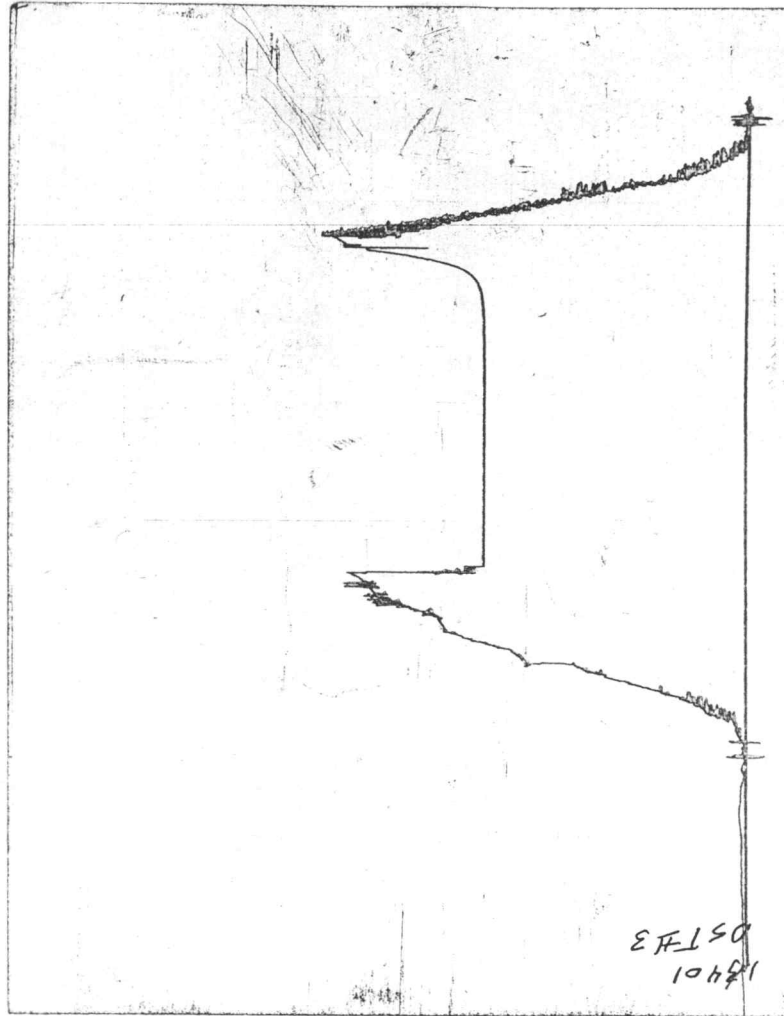
Time (min)	Orifice (in)	Pressure (Psi)	H2O (in)	Rate (cf/d)
5	1.50	0	41	3215000.0
15	1.50	0	60	4349000.0
25	1.50	0	62	4468000.0
35	1.50	0	62	4468000.0
45	1.50	0	62	4468000.0
55	1.50	0	62	4468000.0

CHART PAGE



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