

Well Name: Baker Farms Unit #2
Company: Pickrell Drilling Co.
Location: 24-33s-20w
Comanche county Kansas
Date: 10-22-99

15-033-20079-0001

RECEIVED
KANSAS CORPORATION COMMISSION

MAY 09 2002

CONSERVATION DIVISION
WICHITA, KS

TRILOBITE TESTING L.L.C.

OPERATOR : Pickrell Drilling Co.

DATE 10-13-99

WELL NAME: Baker Farms Unit #2

KB 1985.00 ft

TICKET NO: 12319

DST #1

LOCATION : 24-33s-20w Comanche co KS

GR 1980.00 ft

FORMATION: Hertha

INTERVAL : 4800.00 To 4858.00 ft

TD 4858.00 ft

TEST TYPE: CONV

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 30 Rec.	10991	10991	10332			PF Fr. 0330 to 0400 hr
SI 60 Range(Psi)	4200.0	4200.0	4025.0	0.0	0.0	IS Fr. 0400 to 0500 hr
SF 90 Clock(hrs)	12	12	12			SF Fr. 0500 to 0630 hr
FS 90 Depth(ft)	4853.0	4853.0	4822.0	0.0	0.0	FS Fr. 0630 to 0800 hr

	Field	1	2	3	4	
A. Init Hydro	2250.0	2250.0	0.0	0.0	0.0	T STARTED 0100 hr
B. First Flow	32.0	46.0	0.0	0.0	0.0	T ON BOTM 0325 hr
B1. Final Flow	32.0	46.0	0.0	0.0	0.0	T OPEN 0330 hr
C. In Shut-in	1734.0	1735.0	0.0	0.0	0.0	T PULLED 0800 hr
D. Init Flow	43.0	51.0	0.0	0.0	0.0	T OUT 0945 hr
E. Final Flow	43.0	51.0	0.0	0.0	0.0	
F. Fl Shut-in	1724.0	1735.0	0.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	2240.0	2241.0	0.0	0.0	0.0	Tool Wt. 2100.00 lbs
Inside/Outside	0	0	I			Wt Set On Packer 20000.00 lbs
						Wt Pulled Loose 125000.00 lbs
						Initial Str Wt 71000.00 lbs
						Unseated Str Wt 71000.00 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 234.00 ft
						D.P. Length 4563.00 ft

RECOVERY

Tot Fluid 150.00 ft of 150.00 ft in DC and 0.00 ft in DP
 4648.00 ft of Gas in pipe
 150.00 ft of Gas cut mud 10% gas 90% mud
 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 secs. gas to surface in 20 mins.
 gauge gas
 Initial Shut-in:
 Bled down for 10 mins. No blow back
 Final Flow:
 Strong blow bottom of bucket in
 10 secs. gauge gas
 Final Shut-in:
 Bled down for 10 mins. no blow back

SAMPLES:
 SENT TO:

MUD DATA-----

Mud Type	Chemical
Weight	8.60 lb/cf
Vis.	64.00 S/L
W.L.	8.00 in3
F.C.	0.00 in
Mud Drop	
Amt. of fill	0.00 ft
Btm. H. Temp.	118.00 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	Darren Amerine
Co. Rep.	Bill Klaver
Contr.	Pickrell
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:	995543	Analyzed:	10/18/99
Sample From:	Baker Farm Unit #2 DST 1	Pressure:	
Producer:	Pickrell Drilling	Temperature:	
Date:		Location:	24-33-20
Time:		County:	Comanche
Sampler:		State:	Kansas
Source:		Formation:	Hertha

	Mole %	GPM
Helium	He: 0.187	0.000
Hydrogen	H2: 0.003	0.000
Oxygen	O2: 0.000	0.000
Nitrogen	N2: 10.045	0.000
Carbon Dioxide	CO2: 0.093	0.000
Methane	C1: 78.026	0.000
Ethane	C2: 5.265	1.408
Propane	C3: 4.145	1.142
Iso Butane	iC4: 0.384	0.126
Normal Butane	nC4: 1.008	0.318
Iso Pentane	iC5: 0.171	0.063
Normal Pentane	nC5: 0.176	0.064
Hexanes Plus	C6+: 0.497	0.217

TOTAL: 100.000 3.337
 Z Fact: 0.9974
 SP.GR.: 0.7035
 BTU (SAT): 1056.8 @ 14.73 psia
 BTU (DRY): 1075.5 @ 14.73 psia
 OCTANE RATING: 112.5

COMMENTS:

0.000

GAS RECOVERY

COMPANY: Pickrell Drilling Co.

DATE: 10-13-99

WELL NAME: Baker Farms Unit #2

KB Elev: 1985.00 ft TICKET #12319 DST #1

WELL LOCATION: 24-33s-20w Comanche co KS

GR Elev: 1980.00 ft FORMATION: Hertha

INTERVAL Fr.: 4800.00 To 4858.00 T.D.: 4858.00 ft TEST TYPE: CONV

GAS RECOVERY MEASURED WITH Merla Gauge

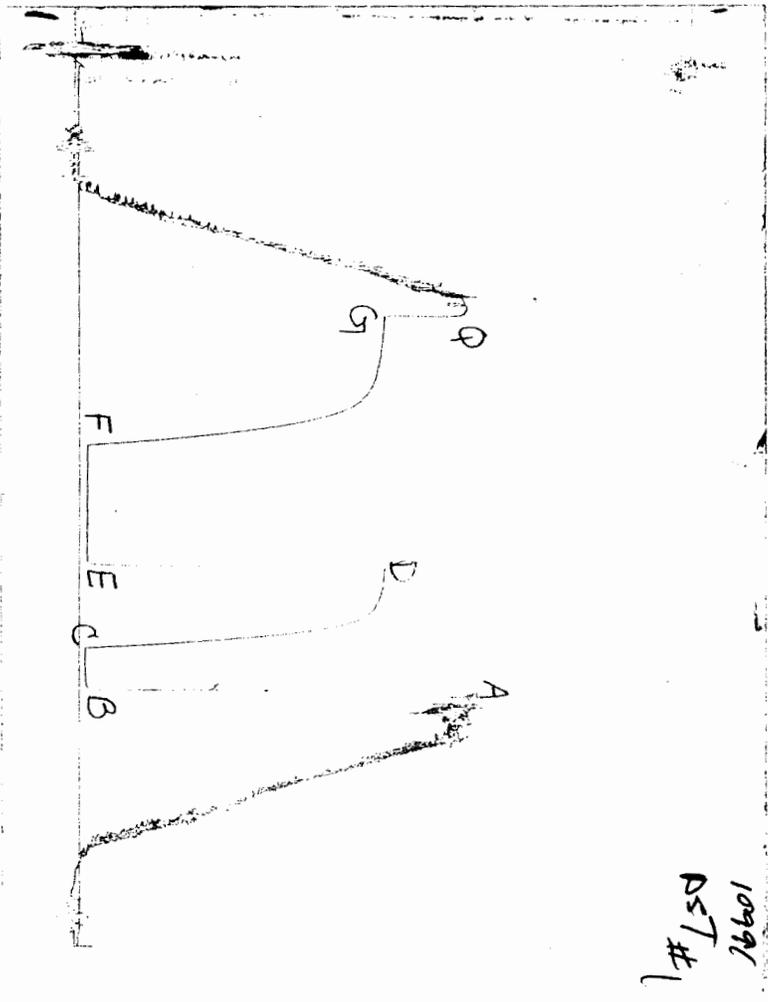
***** GAS RATES FOR FLOW #1

Time (min)	Orifice (in)	Pressure (Psi)	H2O (in)	Rate (cf/d)
30	0.38	0	12	5860.0

***** GAS RATES FOR FLOW #2

Time (min)	Orifice (in)	Pressure (Psi)	H2O (in)	Rate (cf/d)
10	0.38	0	32	20100.0
20	0.38	0	19	15500.0
30	0.38	0	17	14700.0
40	0.38	0	17	14700.0
50	0.38	0	17	14700.0
60	0.38	0	17	14700.0
70	0.38	0	17	14700.0
80	0.38	0	17	14700.0
90	0.38	0	17	14700.0

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

N^o 12319

Test Ticket

Well Name & No.	<u>Baker Farms Unit #2</u>	Test No.	<u>#1</u>	Date	<u>10/13/1999</u>
Company	<u>Pickrell Drilling, Co. Inc.</u>	Zone Tested	<u>Hertha</u>		
Address	<u>110 N. Market, Suite 205 - Wichita, KS 67202</u>	Elevation	<u>1985</u>	KB	<u>1990</u>
Co. Rep / Geo.	<u>Bill Klaver</u>	Cont.	<u>Pickrell #1</u>	Est. Ft. of Pay	<u> </u> Por. <u> </u> %
Location: Sec.	<u>24</u>	Twp.	<u>33S</u>	Rge.	<u>20W</u> Co. <u>Comanche</u> State <u>KS</u>
No. of Copies	<u>5</u>	Distribution Sheet (Y, N)	<u> </u>	Turnkey (Y, N)	<u> </u> Evaluation (Y, N) <u> </u>

Interval Tested	<u>4800' - 4858'</u>	Initial Str Wt./Lbs.	<u>71,000</u>	Unseated Str Wt./Lbs.	<u>71,000</u>
Anchor Length	<u>58'</u>	Wt. Set Lbs.	<u>20,000</u>	Wt. Pulled Loose/Lbs.	<u>12,500</u>
Top Packer Depth	<u>4795'</u>	Tool Weight	<u>2100</u>		
Bottom Packer Depth	<u>4800''</u>	Hole Size — 7 7/8" <input checked="" type="checkbox"/>	Rubber Size — 6 3/4" <input checked="" type="checkbox"/>		
Total Depth	<u>4858</u>	Wt. Pipe Run	<u>N/A</u>	Drill Collar Run	<u>234.20</u>
Mud Wt.	<u>8.6</u> LCM <u>2#</u> Vis. <u>64</u> WL <u>8.0</u>	Drill Pipe Size	<u>4 1/2 KH</u>	Ft. Run	<u>4563.80</u>
Blow Description	<u>IF: Strong blow p.o.b. in 30 sec. GTS in 20 min. Gauge gas.</u>				
	<u>FST: Bled down for 10 mins. No blow back.</u>				
	<u>EF: Strong blow p.o.b. in 10 sec. Gauge Gas.</u>				
	<u>FST: Bled down for 10 mins. No blow back.</u>				

Recovery — Total Feet	<u>150'</u>	GIP	<u>4648.43</u>	Ft. in DC	<u>150'</u>	Ft. in DP	<u> </u>
Rec.	<u>150'</u>	Feet Of	<u>6CM</u>	%gas	<u>10</u>	%oil	<u> </u>
				%water	<u>90</u>	%mud	<u> </u>
Rec.	<u>4648'</u>	Feet Of	<u>6TP</u>	%gas	<u> </u>	%oil	<u> </u>
				%water	<u> </u>	%mud	<u> </u>
Rec.	<u> </u>	Feet Of	<u> </u>	%gas	<u> </u>	%oil	<u> </u>
				%water	<u> </u>	%mud	<u> </u>
Rec.	<u> </u>	Feet Of	<u> </u>	%gas	<u> </u>	%oil	<u> </u>
				%water	<u> </u>	%mud	<u> </u>
BHT	<u>118°</u>	°F Gravity	<u> </u>	°API D@	<u> </u>	°F Corrected Gravity	<u> </u>
RW	<u> </u>	@	<u> </u>	°F Chlorides	<u> </u>	ppm Recovery	<u> </u>
				Chlorides	<u>6000</u>	ppm System	<u> </u>

(A) Initial Hydrostatic Mud	<u>2250</u>	AK-1	Alpine	PSI Recorder No.	<u>10332</u>	T-On Location	<u>024(C)</u>
(B) First Initial Flow Pressure	<u>32</u>			PSI (depth)	<u>4822'</u>	T-Started	<u>0100</u>
(C) First Final Flow Pressure	<u>32</u>			PSI Recorder No.	<u>10991</u> (X)	T-Open	<u>0330</u>
(D) Initial Shut-In Pressure	<u>1734</u>			PSI (depth)	<u>4853'</u>	T-Pulled	<u>0800</u>
(E) Second Initial Flow Pressure	<u>43</u>			PSI Recorder No.	<u> </u>	T-Out	<u>0945</u>
(F) Second Final Flow Pressure	<u>43</u>			PSI (depth)	<u> </u>	T-Off Location	<u>1030</u>
(G) Final Shut-in Pressure	<u>1724</u>			PSI Initial Opening	<u>30</u>	Test	<input checked="" type="checkbox"/>
(Q) Final Hydrostatic Mud	<u>2240</u>			PSI Initial Shut-in	<u>60</u>	Jars	<u> </u>
				Final Flow	<u>90</u>	Safety Joint	<u> </u>
				Final Shut-in	<u>90</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 Bill Klaver

Our Representative Dana Plurino

Mileage

Other

TOTAL PRICE \$

TRILOBITE TESTING L.L.C.

OPERATOR : Pickrell Drilling Co.

DATE 10-15-99

WELL NAME: Baker Farms Unit #2

KB 1985.00 ft

TICKET NO: 12320

DST #2

LOCATION : 24-33s-20w Comanche co KS

GR 1980.00 ft

FORMATION: Pawnee

INTERVAL : 4992.00 To 5038.00 ft

TD 5038.00 ft

TEST TYPE: CONV

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 30 Rec.	10991	10991	10332			PF Fr. 0757 to 0827 hr
SI 60 Range(Psi)	4200.0	4200.0	4025.0	0.0	0.0	IS Fr. 0827 to 0927 hr
SF 90 Clock(hrs)	12	12	12			SF Fr. 0927 to 1057 hr
FS 90 Depth(ft)	5035.0	5035.0	5008.0	0.0	0.0	FS Fr. 1057 to 1227 hr

	Field	1	2	3	4	
A. Init Hydro	2418.0	2276.0	0.0	0.0	0.0	T STARTED 0530 hr
B. First Flow	53.0	57.0	0.0	0.0	0.0	T ON BOTM 0755 hr
B1. Final Flow	53.0	57.0	0.0	0.0	0.0	T OPEN 0757 hr
C. In Shut-in	1681.0	1676.0	0.0	0.0	0.0	T PULLED 1227 hr
D. Init Flow	75.0	88.0	0.0	0.0	0.0	T OUT 1415 hr
E. Final Flow	117.0	115.0	0.0	0.0	0.0	
F. Fl Shut-in	1629.0	1639.0	0.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	2376.0	2363.0	0.0	0.0	0.0	Tool Wt. 2100.00 lbs
Inside/Outside	0	0	I			Wt Set On Packer 20000.00 lbs
						Wt Pulled Loose 95000.00 lbs
						Initial Str Wt 72000.00 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 234.00 ft
						D.P. Length 4747.00 ft

RECOVERY

Tot Fluid 210.00 ft of 210.00 ft in DC and 0.00 ft in DP
 120.00 ft of Water and gas cut mud
 0.00 ft of 20% gas 36% water 44% mud
 90.00 ft of Slight gas cut muddy water
 0.00 ft of 22% gas 30% water 48% mud
 0.00 ft of Trace of gas in pipe
 0.00 ft of
 0.00 ft of

SALINITY 50000.00 P.P.M. A.P.I. Gravity 0.00

MUD DATA-----

Mud Type	Chemical
Weight	8.70 lb/cf
Vis.	52.00 S/L
W.L.	8.80 in3
F.C.	0.00 in
Mud Drop	

BLOW DESCRIPTION

Initial Flow:
 Weak blow built to 7 1/2" in water bucket
 Initial Shut-in:
 Bled down for 5 mins. no blow back
 Final Flow:
 Weak blow built to 12 1/2" in water
 Final Shut-in:
 Bled down for 10 mins. no blow back

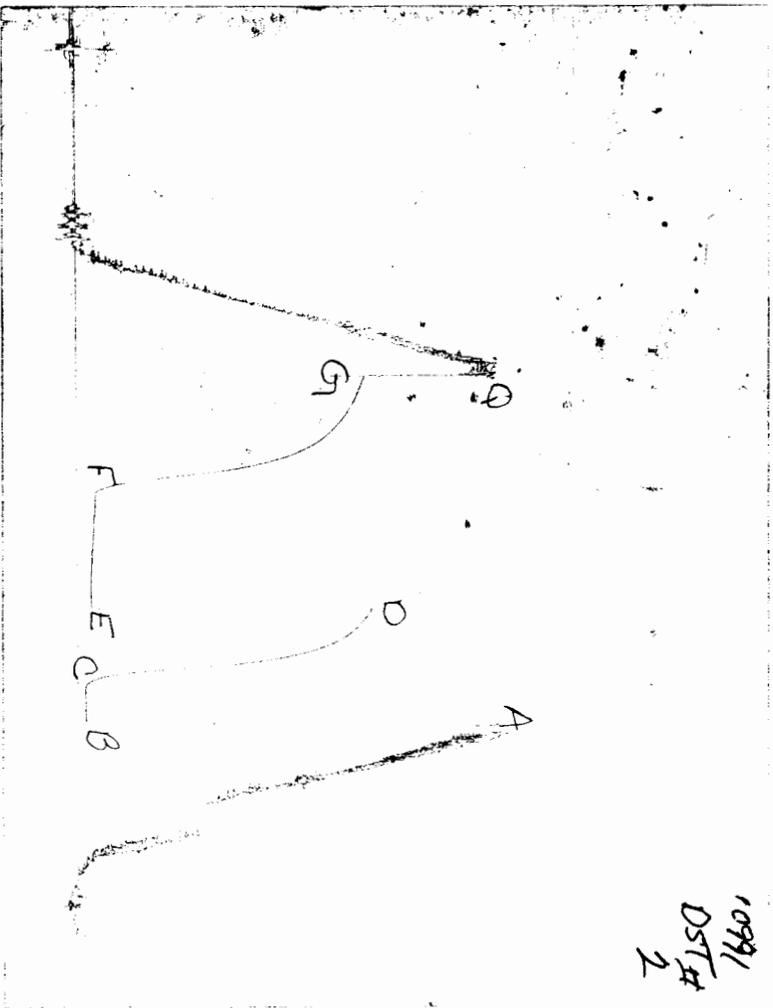
Amt. of fill	0.00 ft
Btm. H. Temp.	122.00 F
Hole Condition	
% Porosity	0.00
Packer Size	6.75 in
No. of Packers	2
Cushion Amt.	0.00
Cushion Type	
Reversed Out	
Tool Chased	

SAMPLES:
 SENT TO:

Tester Darren Amerine
 Co. Rep. Bill Klaver
 Contr. Pickrell
 Rig # 1
 Unit #
 Pump T.

Test Successful: Y

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

N^o 12320

Test Ticket

Well Name & No. Baker Farms Unit #2 Test No. #2 Date 10/15/1999
 Company Pickrell Drilling Co, Inc. Zone Tested Pawnee
 Address 110 N. Market Suite 205, Wichita KS 67202 Elevation 1985 KB 1980 GL
 Co. Rep / Geo. Bill Klauer Cont. Pickrell #1 Est. Ft. of Pay _____ Por. _____ %
 Location: Sec. 24 Twp. 33^S Rge. 20^W Co. Comanche State KS
 No. of Copies 5 Distribution Sheet (Y, N) _____ Turnkey (Y, N) _____ Evaluation (Y, N) _____

Interval Tested 4992' - 5038' Initial Str Wt./Lbs. 72,000 Unseated Str Wt./Lbs. 72,000
 Anchor Length 46' Wt. Set Lbs. 20,000 Wt. Pulled Loose/Lbs. 2,000
 Top Packer Depth 4987' Tool Weight 2100
 Bottom Packer Depth 4992' Hole Size — 7 7/8" Rubber Size — 6 3/4"
 Total Depth 5038' Wt. Pipe Run N/A Drill Collar Run 234.20
 Mud Wt. 8.7 LCM 3# Vis. 52 WL 88 Drill Pipe Size 4 1/2 KH Ft. Run 7747.80
 Blow Description IF: Weak blow built to 7 1/2" in #120 bucket.
IST: Bled down for 5 mins. No blow back.
FF: Weak blow built to 12 1/2" in #120.
FSI: Bled down for 10 mins. No blow back.

Recovery — Total Feet 210' GIP Trace Ft. in DC 210' Ft. in DP _____
 Rec. 120' Feet Of W&SCM 20% gas %oil 36 %water 49 %mud
 Rec. 90' Feet Of SECMA 22% gas %oil 30 %water 18 %mud
 Rec. _____ Feet Of Trace Gas In pipe %gas %oil %water %mud
 Rec. _____ Feet Of _____ %gas %oil %water %mud
 Rec. _____ Feet Of _____ %gas %oil %water %mud
 BHT 122° °F Gravity _____ °API D@ _____ °F Corrected Gravity _____ °API
 RW 7 @ 84° °F Chlorides 50,000 ppm Recovery Chlorides 8,000 ppm System

	AK-1	Alpine		
(A) Initial Hydrostatic Mud	<u>2418</u>		PSI Recorder No. <u>10332</u>	T-On Location <u>0430</u>
(B) First Initial Flow Pressure	<u>53</u>		PSI (depth) <u>5008'</u>	T-Started <u>0530</u>
(C) First Final Flow Pressure	<u>53</u>		PSI Recorder No. <u>10941 *</u>	T-Open <u>0757</u>
(D) Initial Shut-In Pressure	<u>1681</u>		PSI (depth) <u>5035'</u>	T-Pulled <u>1227</u>
(E) Second Initial Flow Pressure	<u>75</u>		PSI Recorder No. _____	T-Out <u>1415</u>
(F) Second Final Flow Pressure	<u>117</u>		PSI (depth) _____	T-Off Location <u>1445</u>
(G) Final Shut-in Pressure	<u>1629</u>		PSI Initial Opening <u>30</u>	Test <input checked="" type="checkbox"/>
(Q) Final Hydrostatic Mud	<u>2376</u>		PSI Initial Shut-in <u>60</u>	Jars <input checked="" type="checkbox"/>
			Final Flow <u>90</u>	Safety Joint <input checked="" type="checkbox"/>
			Final Shut-in <u>90</u>	Straddle _____

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Approved By Bill Klauer
 Our Representative Darren L. Amerino

Circ. Sub _____
 Sampler _____
 Extra Packer _____
 Elec. Rec. _____
 Mileage _____
 Other _____
 TOTAL PRICE \$ _____

TRILOBITE TESTING L.L.C.

OPERATOR : Pickrell Drilling Co.

DATE 10-16-99

WELL NAME: Baker Farms Unit #2

KB 1985.00 ft

TICKET NO: 12321

DST #3

LOCATION : 24-33s-20w Comanche co KS

GR 1980.00 ft

FORMATION: Cherokee

INTERVAL : 5088.00 To 5170.00 ft

TD 5170.00 ft

TEST TYPE: CONV

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 30 Rec.	10991	10991	10332			PF Fr. 0805 to 0835 hr
SI 60 Range(Psi)	4200.0	4200.0	4025.0	0.0	0.0	IS Fr. 0835 to 0935 hr
SF 90 Clock(hrs)	12	12	12			SF Fr. 0935 to 1105 hr
FS 90 Depth(ft)	5167.0	5167.0	5102.0	0.0	0.0	FS Fr. 1105 to 1235 hr

	Field	1	2	3	4	
A. Init Hydro	2586.0	2475.0	0.0	0.0	0.0	T STARTED 0540 hr
B. First Flow	96.0	91.0	0.0	0.0	0.0	T ON BOTM 0800 hr
B1. Final Flow	96.0	91.0	0.0	0.0	0.0	T OPEN 0805 hr
C. In Shut-in	1534.0	1532.0	0.0	0.0	0.0	T PULLED 1235 hr
D. Init Flow	75.0	85.0	0.0	0.0	0.0	T OUT 1400 hr
E. Final Flow	85.0	85.0	0.0	0.0	0.0	
F. Fl Shut-in	1681.0	1666.0	0.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	2471.0	2426.0	0.0	0.0	0.0	Tool Wt. 2100.00 lbs
Inside/Outside	0	0	I			Wt Set On Packer 20000.00 lbs
						Wt Pulled Loose 105000.00 lbs
						Initial Str Wt 75000.00 lbs
						Unseated Str Wt 75000.00 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 234.00 ft
						D.P. Length 4906.00 ft

RECOVERY

Tot Fluid 180.00 ft of 180.00 ft in DC and 0.00 ft in DP
 4961.00 ft of Gas in pipe
 180.00 ft of Slight gas cut mud 25% gas 75% mud
 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	8.90 lb/cf
Vis.	71.00 S/L
W.L.	10.40 in3
F.C.	0.00 in
Mud Drop	

BLOW DESCRIPTION

Initial Flow:
 Strong blow built to bottom of bucket in 1 1/2 mins. gas to surface in 15 mins.
 Initial Shut-in:
 Bled down for 5 mins. no blow back
 Final Flow:
 Strong blow bottom of bucket in 10 secs. gauge gas
 Final Shut-in:
 Bled down for 10 mins.

Amt. of fill	0.00 ft
Btm. H. Temp.	126.00 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	

SAMPLES:
 SENT TO:

Tester Darren Amerine
 Co. Rep. Bill Klaver
 Contr. Pickrell
 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:	995577	Analyzed:	10/19/99
Sample From:	Baker Farm Unit #2 DST 3	Pressure:	
Producer:	Pickrell Drilling	Temperature:	
Date:		Location:	24-33-20
Time:		County:	Comanche
Sampler:		State:	Kansas
Source:		Formation:	Cherokee

	Mole %	GPM
Helium	He: 0.081	0.000
Hydrogen	H2: 0.007	0.000
Oxygen	O2: 0.000	0.000
Nitrogen	N2: 1.093	0.000
Carbon Dioxide	CO2: 0.005	0.000
Methane	C1: 94.111	0.000
Ethane	C2: 2.798	0.748
Propane	C3: 0.967	0.266
Iso Butane	iC4: 0.146	0.048
Normal Butane	nC4: 0.291	0.092
Iso Pentane	iC5: 0.096	0.035
Normal Pentane	nC5: 0.099	0.036
Hexanes Plus	C6+: 0.306	0.134

TOTAL: 100.000 1.359
 Z Fact: 0.9978
 SP.GR.: 0.6009
 BTU (SAT): 1048.4 @ 14.73 psia
 BTU (DRY): 1066.9 @ 14.73 psia
 OCTANE RATING: 126.8

COMMENTS:

0.000

GAS RECOVERY

COMPANY: Pickrell Drilling Co.

DATE: 10-16-99

WELL NAME: Baker Farms Unit #2

KB Elev: 1985.00 ft TICKET #12321 DST #3

WELL LOCATION: 24-33s-20w Comanche co KS

GR Elev: 1980.00 ft FORMATION: Cherokee

INTERVAL Fr.: 5088.00 To 5170.00 T.D.: 5170.00 ft TEST TYPE: CONV

GAS RECOVERY MEASURED WITH Merla Gauge

***** GAS RATES FOR FLOW #1

Time (min)	Orifice (in)	Pressure (Psi)	H2O (in)	Rate (cf/d)
25	0.38	0	38	18100.0
30	0.38	0	44	23600.0

***** GAS RATES FOR FLOW #2

Time (min)	Orifice (in)	Pressure (Psi)	H2O (in)	Rate (cf/d)
10	0.38	8	0	59300.0
20	0.38	5	0	44200.0
30	0.38	5	0	44200.0
40	0.38	5	0	44200.0
50	0.38	5	0	44200.0
60	0.38	5	0	44200.0
70	0.38	5	0	44200.0
80	0.38	6	0	46400.0
90	0.38	6	0	46400.0

TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

N^o 12321

Test Ticket

Well Name & No.	<u>Baker Far</u>	Test No.	<u># 3</u>	Date	<u>10/16/1999</u>
Company	<u>Pickrell Drilling Co, Inc.</u>	Zone Tested	<u>Cherokee</u>		
Address	<u>110 N. Market Suite 205, Wichita, KS 67202</u>		Elevation	<u>1985</u>	KB <u>1980</u> GL
Co. Rep / Geo.	<u>Bill Klaver</u>	Cont.	<u>Pickrell #1</u>	Est. Ft. of Pay	Por. %
Location: Sec.	<u>24</u>	Twp.	<u>33^S</u>	Rge.	<u>20^W</u>
Co. <u>Corniche</u> State <u>KS</u>					
No. of Copies	<u>5</u>	Distribution Sheet (Y, N)	Turnkey (Y, N)	Evaluation (Y, N)	

Interval Tested	<u>5088' - 5770'</u>	Initial Str Wt./Lbs.	<u>75000</u>	Unseated Str Wt./Lbs.	<u>75000</u>
Anchor Length	<u>82'</u>	Wt. Set Lbs.	<u>20,000</u>	Wt. Pulled Loose/Lbs.	<u>105,000</u>
Top Packer Depth	<u>5083'</u>	Tool Weight	<u>2100</u>		
Bottom Packer Depth	<u>5088'</u>	Hole Size — 7 7/8"	<input checked="" type="checkbox"/>	Rubber Size — 6 3/4"	<input checked="" type="checkbox"/>
Total Depth	<u>5770'</u>	Wt. Pipe Run	<u>N/A</u>	Drill Collar Run	<u>234.20</u>
Mud Wt. <u>8.9</u> LCM <u>3[#]</u> Vis. <u>71</u> WL <u>10.4</u>	Drill Pipe Size		<u>4 1/2 XH</u>	Ft. Run	<u>4906.80</u>
Blow Description	<u>TF: Strong blow built to bob in 1/2 min. 6TS in 15 min.</u>				
	<u>IST: Bled down for 5 mins no blow back</u>				
	<u>FF: Strong blow bob in 10 sec. Gauge Gas</u>				
	<u>PSI: Bled down for 10 mins.</u>				

Recovery — Total Feet	<u>180'</u>	GIP	Ft. in DC	<u>180'</u>	Ft. in DP
Rec.	<u>180'</u>	Feet Of	<u>36CM</u>	<u>25%</u> gas	%oil %water <u>75%</u> mud
Rec.	<u>4961'</u>	Feet Of	<u>Gas in P.P.</u>	%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	<u>126°</u>	°F Gravity	°API D@	°F Corrected Gravity	°API
RW	@	°F Chlorides	ppm Recovery	Chlorides	<u>9,000</u> ppm System

	AK-1	Alpine			
(A) Initial Hydrostatic Mud	<u>2586</u>		PSI Recorder No.	<u>10332</u>	T-On Location <u>(1.5/5)</u>
(B) First Initial Flow Pressure	<u>96</u>		PSI (depth)	<u>5102</u>	T-Started <u>(1.5/0)</u>
(C) First Final Flow Pressure	<u>96</u>		PSI Recorder No.	<u>10991</u>	T-Open <u>0805</u>
(D) Initial Shut-In Pressure	<u>1534</u>		PSI (depth)	<u>5167'</u>	T-Pulled <u>1235</u>
(E) Second Initial Flow Pressure	<u>85</u>		PSI Recorder No.		T-Out <u>1400</u>
(F) Second Final Flow Pressure	<u>85</u>		PSI (depth)		T-Off Location <u>1430</u>
(G) Final Shut-in Pressure	<u>1681</u>		PSI Initial Opening	<u>00</u>	Test
(Q) Final Hydrostatic Mud	<u>2471</u>		PSI Initial Shut-in	<u>00</u>	Jars
			Final Flow	<u>90</u>	Safety Joint
			Final Shut-in	<u>90</u>	Straddle
					Circ. Sub
					Sampler
					Extra Packer
					Elec. Rec.
					Mileage
					Other
					TOTAL PRICE \$

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Approved By Bill Klaver
 Our Representative Darrel J. Cummins