

15-187-20933

TRILORITE TESTING L.L.C.

25-30s-41w

OPERATOR : Pickrell Drilling Co.

DATE 5-22-00

WELL NAME: Johns B #3

KB 0.00 ft

TICKET NO: 12586 DST #1

LOCATION : 25-30s-41w Stanton co KS

GR 0.00 ft

FORMATION: Morrow

INTERVAL : 5276.00 To 5300.00 ft

TD 5300.00 ft

TEST TYPE: CONVENTIONAL

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 0 Rec.	13277	13277	3026			PF Fr. to hr
SI 0 Range(Psi )	4125.0	4125.0	4995.0	0.0	0.0	IS Fr. to hr
SF 0 Clock(hrs)	12	12	12			SF Fr. to hr
FS 0 Depth(ft )	5300.0	5300.0	5283.0	0.0	0.0	FS Fr. to hr

	Field	1	2	3	4	
A. Init Hydro	0.0	0.0	0.0	0.0	0.0	T STARTED hr
B. First Flow	0.0	0.0	0.0	0.0	0.0	T ON BOTM hr
31. Final Flow	0.0	0.0	0.0	0.0	0.0	T OPEN hr
C. In Shut-in	0.0	0.0	0.0	0.0	0.0	T PULLED hr
D. Init Flow	0.0	0.0	0.0	0.0	0.0	T OUT 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	
3. Final Hydro	0.0	0.0	0.0	0.0	0.0	
Inside/Outside	0	0	I			

RECOVERY

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

MISRUN!  
No packer seat.

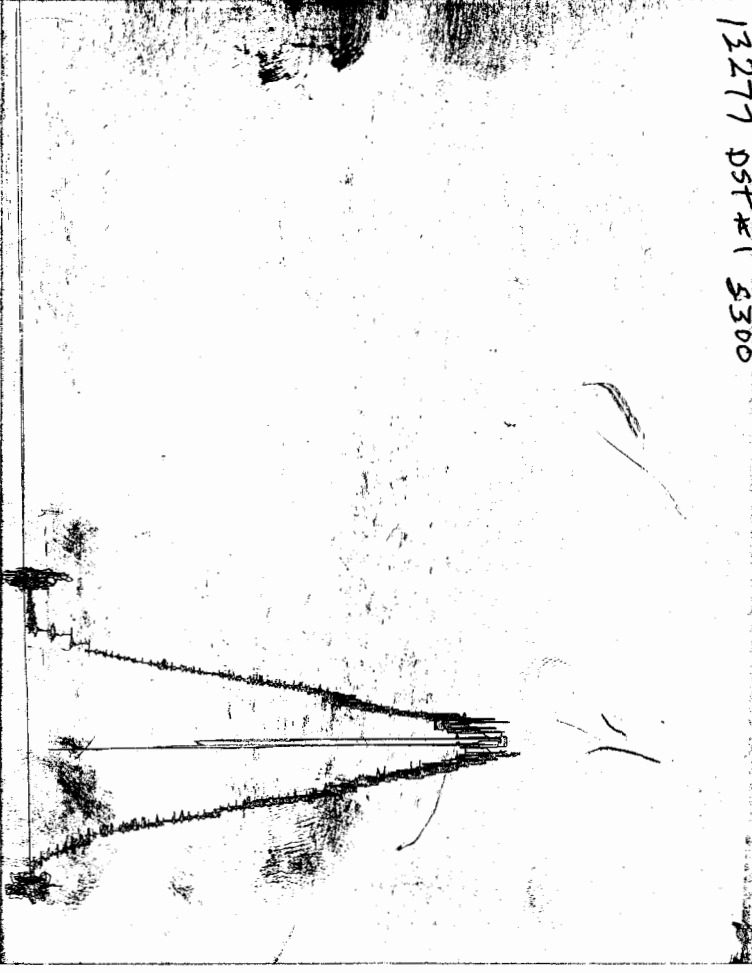
SAMPLES:  
SENT TO:

MUD DATA-----	Chemical
Mud Type	
Weight	8.90 lb/cf
Vis.	48.00 S/L
W.L.	8.00 in3
F.C.	0.00 in
Mud Drop	
Amt. of fill	0.00 ft
Btm. H. Temp.	0.00 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	Scott Bugbee
Co. Rep.	Arden Ratzlaff
Contr.	Norseman
Rig #	3
Unit #	
Pump T.	

Test Successful: N

CHART PAGE

13277 DST #1 5300



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<sup>o</sup> 12586

Well Name & No. <u>Johns B #3</u>	Test No. <u>#1</u>	Date <u>5-22-00</u>
Company <u>Picknell Drilling Co.</u>	Zone Tested <u>Morrow</u>	
Address <u>100 E. Main Wichita Ks. 67202</u>	Elevation _____	KB _____ GL _____
Co. Rep / Geo. <u>Arden Ratzlaff</u>	Cont. <u>Noiseman Rig 3</u>	Est. Ft. of Pay _____ Por. _____ %
Location: Sec. <u>25</u> Twp. <u>30S</u> Rge. <u>41W</u>	Co. <u>Stanton</u>	State <u>Ks.</u>
No. of Copies _____	Distribution Sheet (Y, N) _____	Turnkey (Y, N) _____
Evaluation (Y, N) _____		

Interval Tested <u>5276-5300</u>	Initial Str Wt./Lbs. <u>108,000</u>	Unseated Str Wt./Lbs. _____
Anchor Length <u>24'</u>	Wt. Set Lbs. _____	Wt. Pulled Loose/Lbs. _____
Top Packer Depth <u>5271</u>	Tool Weight <u>1800</u>	
Bottom Packer Depth <u>5276</u>	Hole Size — <u>7 7/8" ✓</u>	Rubber Size — <u>6 3/4" ✓</u>
Total Depth <u>5300</u>	Wt. Pipe Run _____	Drill Collar Run <u>642<sup>7</sup></u>
Mud Wt. <u>8.9</u> LCM <u>6</u> Vis. <u>48</u> WL <u>8.0</u>	Drill Pipe Size <u>4 1/2 XH</u>	Ft. Run <u>4631 49<sup>+</sup>2</u>

Blow Description \_\_\_\_\_  
Mis run No packer seat

Recovery — Total Feet	GIP	Ft. in DC	Ft. in DP
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 _____
Rec. _____ Feet Of _____		%gas _____ %oil _____	%water _____ %mud _____

BHT \_\_\_\_\_ °F Gravity \_\_\_\_\_ °API D@ \_\_\_\_\_ °F Corrected Gravity \_\_\_\_\_ °API  
RW \_\_\_\_\_ @ \_\_\_\_\_ °F Chlorides \_\_\_\_\_ ppm Recovery Chlorides \_\_\_\_\_ ppm System

	AK-1	Alpine		
(A) Initial Hydrostatic Mud			PSI Recorder No. <u>3026</u>	T-On Location <u>2:25 A.M.</u>
(B) First Initial Flow Pressure			PSI (depth) <u>5283</u>	T-Started <u>4:00 A.M.</u>
(C) First Final Flow Pressure			PSI Recorder No. <u>13277</u>	T-Open _____
(D) Initial Shut-In Pressure			PSI (depth) <u>5300</u>	T-Pulled _____
(E) Second Initial Flow Pressure			PSI Recorder No. _____	T-Out _____
(F) Second Final Flow Pressure			PSI (depth) _____	T-Off Location _____
(G) Final Shut-in Pressure			PSI Initial Opening _____	Test ✓ <u>600<sup>00</sup></u>
(Q) Final Hydrostatic Mud			PSI Initial Shut-in _____	Jars _____
			Final Flow _____	Safety Joint ✓ <u>50<sup>00</sup></u>
			Final Shut-in _____	Straddle _____
				Circ. Sub ✓ <u>N/C</u>
				Sampler _____
				Extra Packer _____
				Elec. Rec. ✓ <u>150<sup>00</sup></u>
				Mileage _____
				Other _____
				TOTAL PRICE \$ <u>800<sup>00</sup></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 Arden

Our Representative Scott Bugbee

TRILOBITE TESTING L.L.C.

OPERATOR : Pickrell Drilling Co.  
 WELL NAME: Johns B #3  
 LOCATION : 25-30s-41w  
 INTERVAL : 5278.00 To 5300.00 ft

DATE 5-22-00

KB 0.00 ft TICKET NO: 12587 DST #2  
 GR 0.00 ft FORMATION: Morrow  
 TD 5300.00 ft TEST TYPE: CONVENTIONAL

RECORDER DATA

Mins		Field	1	2	3	4	TIME DATA-----
PF 0	Rec.	13277	13277	3026			PF Fr. to hr
SI 0	Range (Psi )	4125.0	4125.0	4995.0	0.0	0.0	IS Fr. to hr
SF 0	Clock (hrs)	18hr	18hr	elect			SF Fr. to hr
FS 0	Depth(ft )	5300.0	5300.0	5285.0	0.0	0.0	FS Fr. to hr

	Field	1	2	3	4	
A. Init Hydro	0.0	0.0	0.0	0.0	0.0	T STARTED 1030 hr
B. First Flow	0.0	0.0	0.0	0.0	0.0	T ON BOTM hr
B1. Final Flow	0.0	0.0	0.0	0.0	0.0	T OPEN hr
C. In Shut-in	0.0	0.0	0.0	0.0	0.0	T PULLED hr
D. Init Flow	0.0	0.0	0.0	0.0	0.0	T OUT 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	
G. Final Hydro	0.0	0.0	0.0	0.0	0.0	
Inside/Outside	0	0	I			

RECOVERY

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

TOOL DATA-----  
 Tool Wt. 1800.00 lbs  
 Wt Set On Packer 0.00 lbs  
 Wt Pulled Loose 0.00 lbs  
 Initial Str Wt 108000.00 lbs  
 Unseated Str Wt 0.00 lbs  
 Bot Choke 0.78 in  
 Hole Size 7.78 in  
 D Col. ID 2.25 in  
 D. Pipe ID 3.38 in  
 D.C. Length 642.00 ft  
 D.P. Length 4631.00 ft

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

BLOW DESCRIPTION

MISRUN!  
 No packer seat.

MUD DATA-----  
 Mud Type Chemical  
 Weight 8.90 lb/cf  
 Vis. 48.00 S/L  
 W.L. 8.00 in3  
 F.C. 0.00 in  
 Mud Drop

Amt. of fill 0.00 ft  
 Btm. H. Temp. 0.00 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 Scott Bugbee  
 Co. Rep. Ardin Ratliff  
 Contr. Norseman  
 Rig # 3  
 Unit #  
 Pump T.

SAMPLES:  
 SENT TO:

Test Successful:

\*\*\* TOOL DIAGRAM \*\*\* CONVENTIONAL

WELL NAME: Johns B #3

LOCATION : 25-30s-41w

TICKET No. 12587 D.S.T. No. 2 DATE 5-22-00

TOTAL TOOL TO BOTTOM OF TOP PACKERS ..... 22

INTERVAL TOOL .....

BOTTOM PACKERS AND ANCHOR ..... 22

TOTAL TOOL ..... 44

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.Stands7 Single Total 642

D.P. ABOVE TOOLS.Stands49 Single 2 Total 4631

TOTAL DRILL COLLARS DRILL PIPE & TOOLS .. 5317

TOTAL DEPTH ..... 5300

TOTAL DRILL PIPE ABOVE K.B. .... 17

REMARKS:

P.O. SUB top of tool	5256
C.O. SUB 1' DP	5257
S.I. TOOL 5'	5262
HMV 5'	5267
JARS	
SAFETY JOINT 2'	5369
PACKER 5'	5274
PACKER 5'	5278
DEPTH 5278 1'	5279
ANCHOR	
1' perf	5280
Alpine Rec.	5285
5' PU sub	5285
10' perf	5295
Ak1 Rec.	5300
BULLNOSE	
T.D. 5'	5300

TEST HISTORY  
12587 DST#2 Johns B#3 Pickrell Drilling

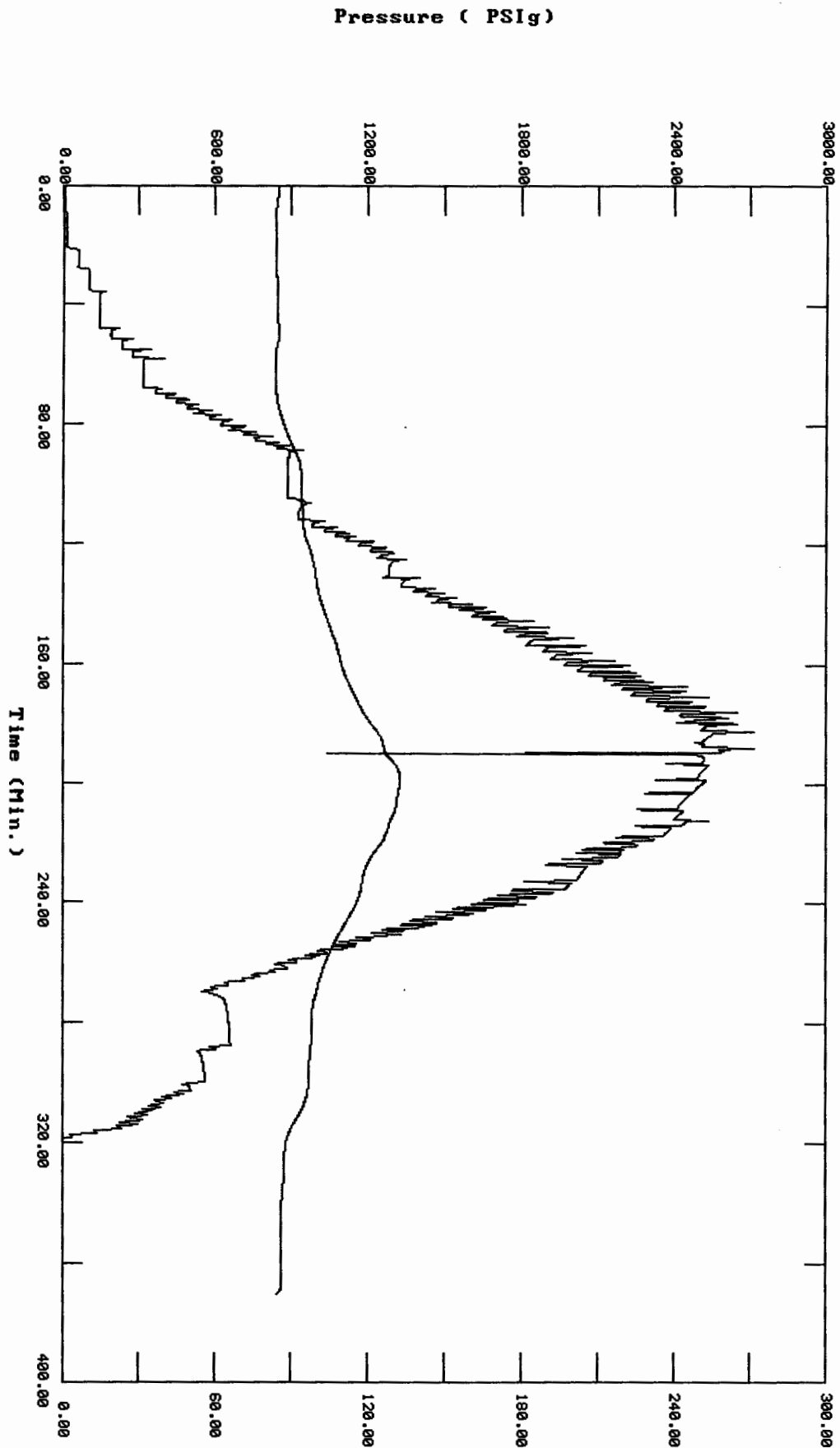
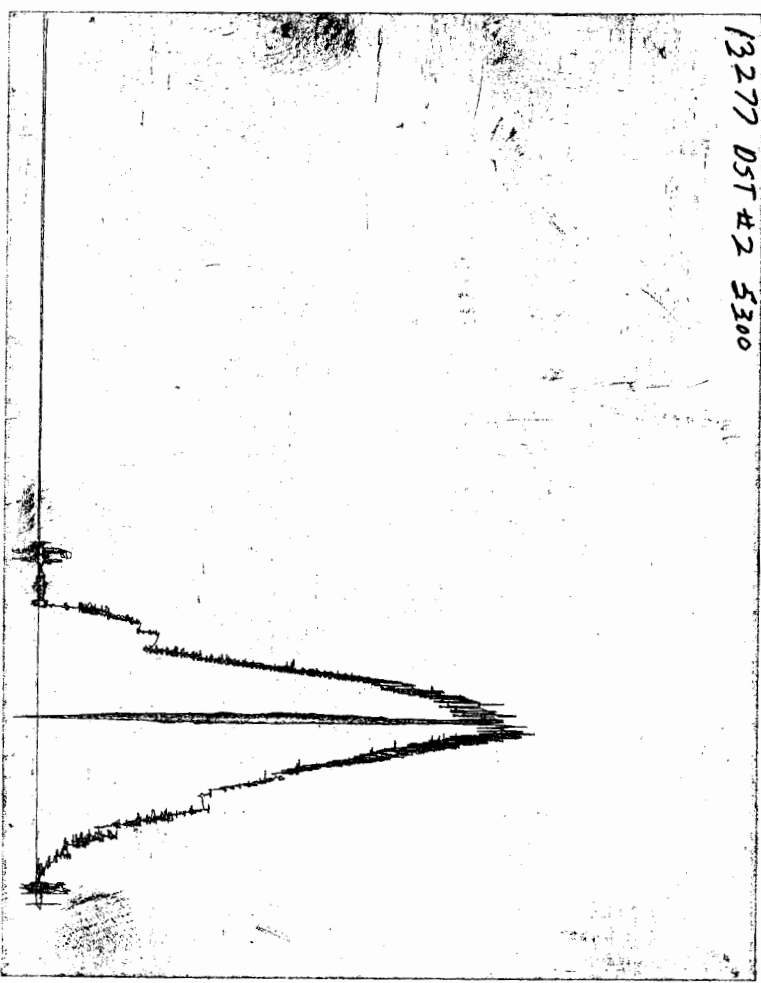


CHART PAGE

13277 DST #2 5300



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<sup>o</sup> 12587

Well Name & No. <u>Johns B #3</u>	Test No. <u>#2</u>	Date <u>5-22-00</u>
Company <u>Pickrell Drilling</u>	Zone Tested <u>Marrok</u>	
Address <u>160 S. Main Ste. 505 Wichita Ks. 67202</u>	Elevation _____	KB _____ GL _____
Co. Rep / Geo. <u>Arden Ratliff</u>	Cont. <u>Norseman Rig 3</u>	Est. Ft. of Pay _____ Por. _____ %
Location: Sec. <u>25</u>	Twp. <u>30S</u>	Rge. <u>41W</u> Co. <u>Stanton</u> State <u>Ks.</u>
No. of Copies _____	Distribution Sheet (Y, N) _____	Turnkey (Y, N) _____ Evaluation (Y, N) _____

Interval Tested <u>5278-5300</u>	Initial Str Wt./Lbs. _____	Unseated Str Wt./Lbs. _____
Anchor Length <u>22'</u>	Wt. Set Lbs. _____	Wt. Pulled Loose/Lbs. _____
Top Packer Depth <u>5273</u>	Tool Weight _____	
Bottom Packer Depth <u>5278</u>	Hole Size — 7 7/8" <input checked="" type="checkbox"/>	Rubber Size — 6 3/4" <input checked="" type="checkbox"/>
Total Depth <u>5300</u>	Wt. Pipe Run _____	Drill Collar Run <u>642'</u>
Mud Wt. <u>8.9</u> LCM <u>6</u> Vis. <u>48</u> WL <u>8.0</u>	Drill Pipe Size <u>4 1/2 XH</u>	Ft. Run <u>4631</u>
Blow Description _____ <u>Mud run no packer seat</u>		

Recovery — Total Feet	GIP	Ft. in DC	Ft. in DP		
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 _____		
Rec. _____ Feet Of _____		%gas _____ %oil _____	%water _____ %mud _____		
BHT _____ °F Gravity _____	°API D@ _____	°F Corrected Gravity _____		°API _____	
RW _____ @ _____ °F	Chlorides _____ ppm Recovery	Chlorides _____ ppm System			

	AK-1	Alpine	PSI Recorder No. <u>3026</u>	T-On Location _____
(B) First Initial Flow Pressure _____			PSI (depth) <u>5285</u>	T-Started <u>10:30 A.M.</u>
(C) First Final Flow Pressure _____			PSI Recorder No. <u>13277</u>	T-Open _____
(D) Initial Shut-In Pressure _____			PSI (depth) <u>5300</u>	T-Pulled <u>2:00 P.M.</u>
(E) Second Initial Flow Pressure _____			PSI Recorder No. _____	T-Out _____
(F) Second Final Flow Pressure _____			PSI (depth) _____	T-Off Location _____
(G) Final Shut-in Pressure _____			PSI Initial Opening _____	Test <input checked="" type="checkbox"/> <u>600<sup>00</sup></u>
(Q) Final Hydrostatic Mud _____			PSI Initial Shut-in _____	Jars _____
			Final Flow _____	Safety Joint <input checked="" type="checkbox"/> <u>50<sup>00</sup></u>
			Final Shut-in _____	Straddle _____

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Approved By Arden

Our Representative Scott Bugbee

Circ. Sub  N/C

Sampler \_\_\_\_\_

Extra Packer \_\_\_\_\_

Elec. Rec.  150<sup>00</sup>

Mileage \_\_\_\_\_

Other \_\_\_\_\_

TOTAL PRICE \$ 800<sup>00</sup>

TRILOBITE TESTING L.L.C.

OPERATOR : Pickrell Drilling Co.

DATE 5-23-00

WELL NAME: Johns B #3

KB 0.00 ft

TICKET NO: 12588

DST #3

LOCATION : 25-30s-41w Stanton co KS

GR 0.00 ft

FORMATION: Keyes

INTERVAL : 5424.00 To 5440.00 ft

TD 5440.00 ft

TEST TYPE: CONVENTIONAL

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 30 Rec.	13277	13277	3026			PF Fr. 1822 to 1852 hr
SI 60 Range(Psi )	4125.0	4125.0	4995.0	0.0	0.0	IS Fr. 1852 to 1952 hr
SF 90 Clock(hrs)	18hr	18hr	elect			SF Fr. 1952 to 2122 hr
FS 120 Depth(ft )	5440.0	5440.0	5431.0	0.0	0.0	FS Fr. 2122 to 2322 hr

	Field	1	2	3	4	
A. Init Hydro	2657.0	2667.0	2589.0	0.0	0.0	T STARTED 1600 hr
B. First Flow	75.0	97.0	29.0	0.0	0.0	T ON BOTM 1821 hr
B1. Final Flow	140.0	159.0	135.0	0.0	0.0	T OPEN 1822 hr
C. In Shut-in	1039.0	1045.0	1009.0	0.0	0.0	T PULLED 2322 hr
D. Init Flow	183.0	227.0	135.0	0.0	0.0	T OUT 0400 hr
E. Final Flow	313.0	333.0	290.0	0.0	0.0	
F. Fl Shut-in	1019.0	1048.0	1012.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	2556.0	2547.0	2503.0	0.0	0.0	Tool Wt. 1800.00 lbs
Inside/Outside	0	0	I			Wt Set On Packer 30000.00 lbs
						Wt Pulled Loose 130000.00 lbs
						Initial Str Wt 114000.00 lbs
						Unseated Str Wt 117000.00 lbs
						Bot Choke 0.78 in
						Hole Size 7.78 in
						D Col. ID 2.25 in
						D. Pipe ID 3.38 in
						D.C. Length 642.00 ft
						D.P. Length 4788.00 ft

RECOVERY

Tot Fluid 672.00 ft of 642.00 ft in DC and 30.00 ft in DP  
 90.00 ft of Gas in pipe.  
 90.00 ft of Gassy watery mud cut oil  
 0.00 ft of 20% gas 40% oil 25% water 15% mud  
 180.00 ft of Gassy watery oil  
 0.00 ft of 20% gas 40% oil 40% water  
 180.00 ft of Oil cut muddy water  
 0.00 ft of 5% oil 70% water 25% mud  
 222.00 ft of Water 100% water  
 SALINITY 30000.00 P.P.M. A.P.I. Gravity 43.00

MUD DATA-----

Mud Type	Chemical
Weight	9.00 lb/cf
Vis.	55.00 S/L
W.L.	7.20 in3
F.C.	0.00 in
Mud Drop	
Amt. of fill	0.00 ft
Btm. H. Temp.	140.00 F
Hole Condition	good
% Porosity	0.00
Packer Size	6.75 in
No. of Packers	2
Cushion Amt.	0.00
Cushion Type	
Reversed Out N	
Tool Chased N	
Tester	Scott Bugbee
Co. Rep.	Arden Ratzlaff
Contr.	Norseman
Rig #	3
Unit #	
Pump T.	

BLOW DESCRIPTION

Initial Flow:  
 Weak blow built to fair blow. Bottom of bucket in 6 minutes.  
 Initial Shut-In:  
 Bled 2". Had 2" blow back never died.  
 Final Flow:  
 Fair blow Bottom of bucket in 5 minutes.  
 Final Shut-In:  
 Bled 2". Blow never died.

SAMPLES:  
 SENT TO:

Test Successful: Y

\*\*\* TOOL DIAGRAM \*\*\* CONVENTIONAL

WELL NAME: Johns B #3		P.O. SUB top of tool	5402
		C.O. SUB 1' DP	5403
LOCATION : 25-30s-41w Stanton co KS		S.I. TOOL 5'	5408
TICKET No. 12588 D.S.T. No. 3 DATE 5-23-00			
TOTAL TOOL TO BOTTOM OF TOP PACKERS ..... 22			
INTERVAL TOOL .....		HMV 5'	5413
BOTTOM PACKERS AND ANCHOR ..... 16		JARS	
TOTAL TOOL ..... 38			
DRILL COLLAR ANCHOR IN INTERVAL .....			
D.C. ANCHOR STND.Stands Single Total		SAFETY JOINT 2'	5415
D.P. ANCHOR STND.Stands Single Total		PACKER 5'	5420
TOTAL ASSEMBLY .....		PACKER 5'	5424
D.C. ABOVE TOOLS.Stands7 Single Total 642		DEPTH 5424	
D.P. ABOVE TOOLS.Stands51 Single 1 Total 4788		1'	5425
TOTAL DRILL COLLARS DRILL PIPE & TOOLS .. 5468		ANCHOR	
		1' perf	5426
TOTAL DEPTH ..... 5400			
TOTAL DRILL PIPE ABOVE K.B. .... 28			
REMARKS:		Alpine Rec.	5431
43 Gravity at 60 deg.			
RW .29 at 57 deg. 30000 chlorides			
		5' PU sub	5431
		4' perf	5435
		AK1 REC.	5440
		BULLNOSE	
		T.D. 5'	5440

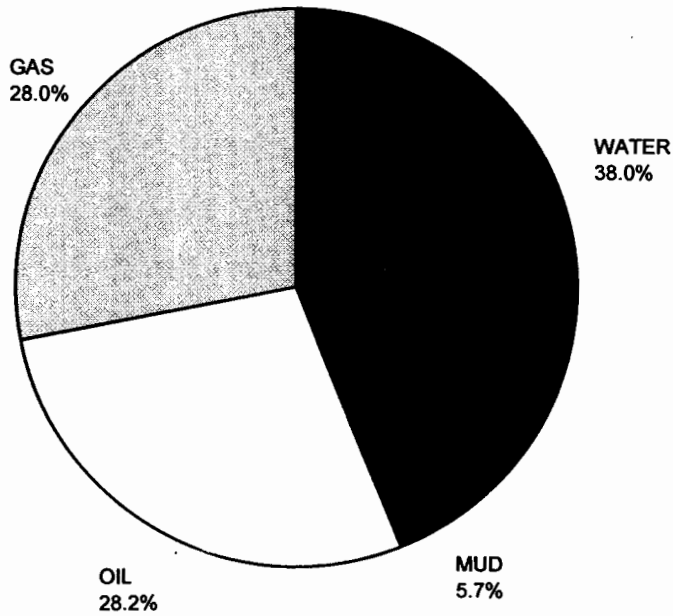
CALCULATED RECOVERY ANALYSIS

DST 3

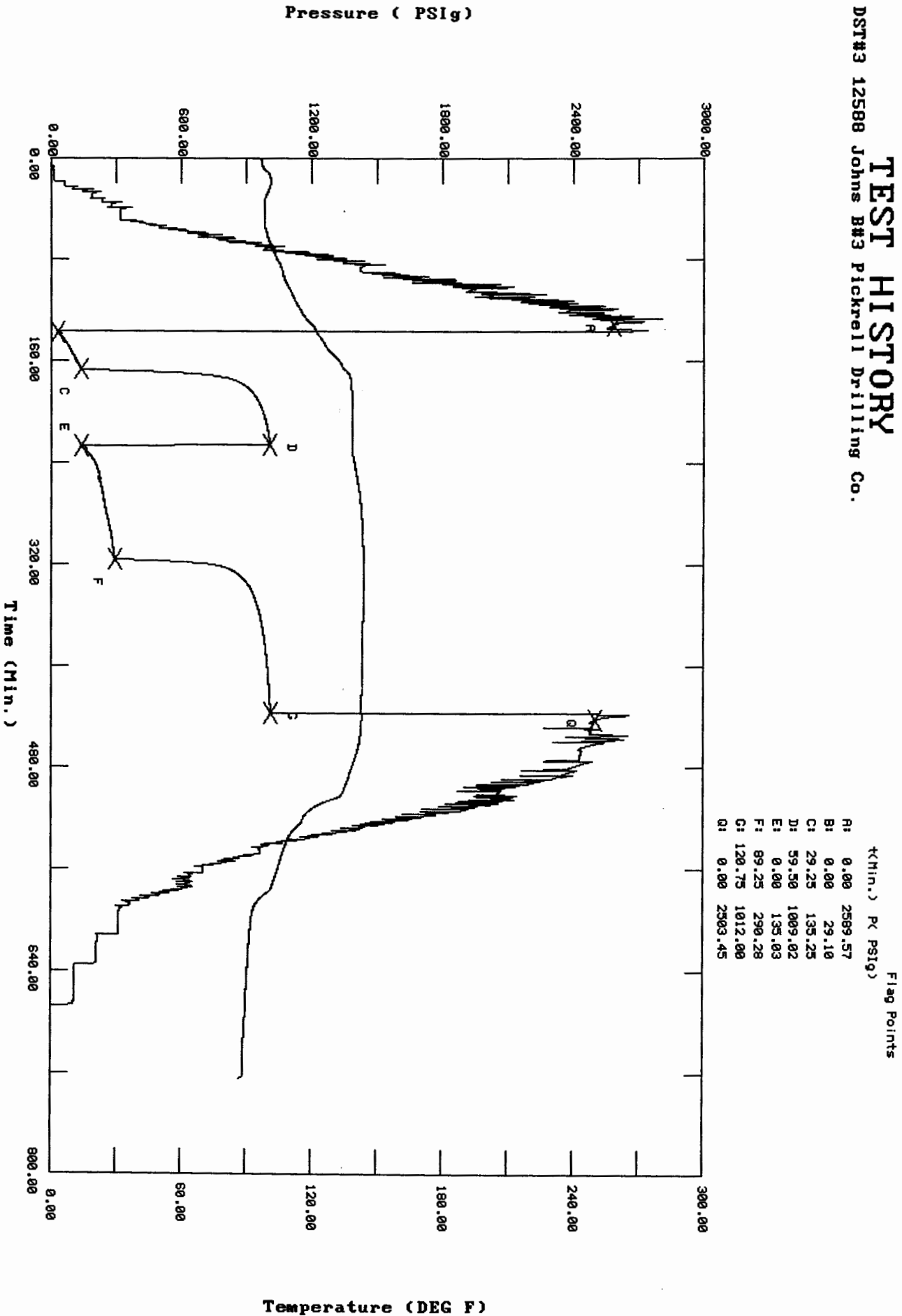
TICKET 12588

SAMPLE #	TOTAL FEET	GAS		OIL		WATER		MUD	
		%	FEET	%	FEET	%	FEET	%	FEET
DRILL 1	90	100	90	100	90	0	0	0	0
PIPE 2	30	20	6	40	12	25	0	15	4.5
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
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	60	20	12	40	24	25	15	15	9
COLLARS 2	180	20	36	40	0	40	72	0	0
3	180	0	0	5	9	75	135	25	45
4	222	0	0	0	0	100	222	0	0
5	0	0	0	0	0	0	0	0	0
<b>TOTAL</b>	<b>762</b>	<b>0</b>	<b>144</b>	<b>0</b>	<b>135</b>	<b>0</b>	<b>444</b>	<b>0</b>	<b>58.5</b>

BBL OIL=	1.61181	*	HRS OPEN	1.5	=	BBL/DAY	25.78896
BBL WATER=	2.17116	*			=		34.73856
BBL MUD=	0.32805						
BBL GAS =	1.59984						



**TEST HISTORY**  
 DST#3 12588 Johns B#3 Pickrell Drilling Co.

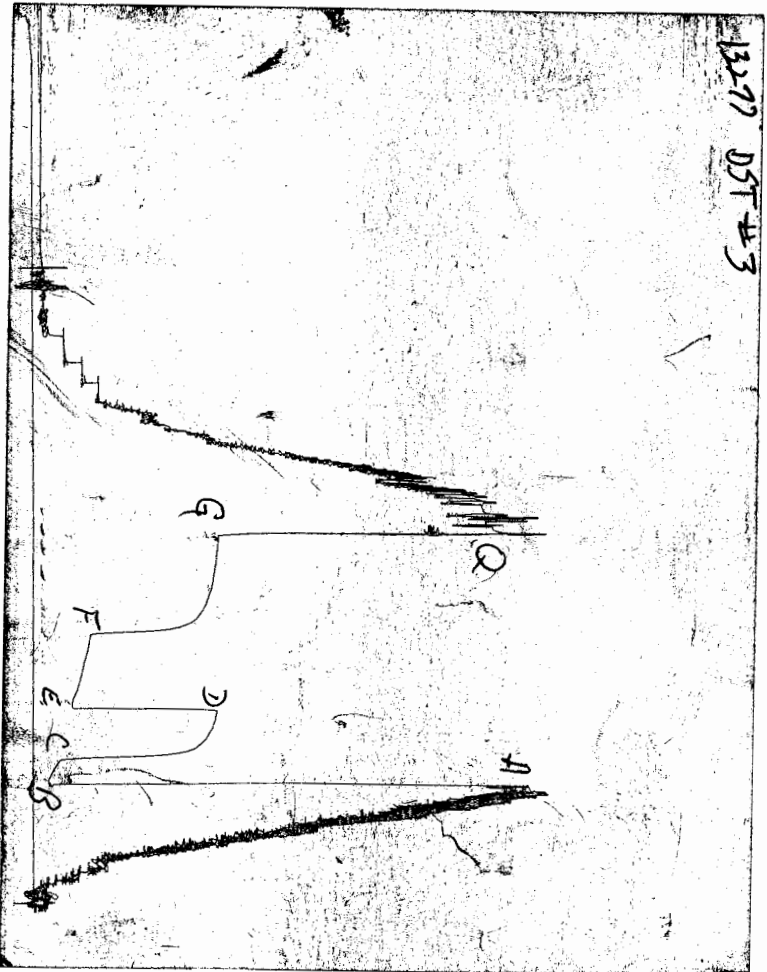


Flag Points

(Min.)	P (PSIg)
A: 0.00	2589.57
B: 0.00	29.10
C: 29.25	135.25
D: 59.50	1009.02
E: 89.25	135.03
F: 120.75	1012.00
G: 0.00	2503.45

Temperature (DEG F)

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

N<sup>o</sup> 12588

Well Name & No. <u>Johns B #3</u>	Test No. <u>3</u>	Date <u>5-23-00</u>
Company <u>Pickrell Drilling Co.</u>	Zone Tested <u>Keyes</u>	
Address <u>Wichita Ks.</u>	Elevation _____	KB _____ GL _____
Co. Rep / Geo. <u>Arden Ratzlaff</u>	Cont. <u>Nonseman #3</u>	Est. Ft. of Pay _____ Por. _____ %
Location: Sec. <u>25</u>	Twp. <u>30s</u>	Rge. <u>41W</u> Co. <u>Stanton</u> State <u>Ks</u>
No. of Copies _____	Distribution Sheet (Y, N) _____	Turnkey (Y, N) _____ Evaluation (Y, N) _____

Interval Tested <u>5424-5440</u>	Initial Str Wt./Lbs. <u>114000</u>	Unseated Str Wt./Lbs. <u>117,000</u>
Anchor Length <u>16</u>	Wt. Set Lbs. <u>36,100</u>	Wt. Pulled Loose/Lbs. <u>130,000</u>
Top Packer Depth <u>5419</u>	Tool Weight <u>1800</u>	
Bottom Packer Depth <u>5424</u>	Hole Size — 7 7/8" <u>✓</u>	Rubber Size — 6 3/4" <u>✓</u>
Total Depth <u>5440</u>	Wt. Pipe Run _____	Drill Collar Run <u>642</u>
Mud Wt. <u>9.0</u> LCM <u>8</u> Vis. <u>55</u> WL <u>7.2</u>	Drill Pipe Size <u>4 1/2 XH</u>	Ft. Run <u>4788</u>
Blow Description <u>1<sup>st</sup> open weak blow built to fair blow B.O.B. in 6 min.</u>		
<u>Bled 2" had 2" blow back never died</u>		
<u>2<sup>nd</sup> open fair blow B.O.B. in 5 min.</u>		
<u>Bled 2" blow never died</u>		

Recovery — Total Feet <u>672</u>	GIP <u>90</u>	Ft. in DC <u>642</u>	Ft. in DP <u>30</u>
Rec. <u>90</u>	Feet Of <u>Gassy watery mudcut oil</u>	20% gas 40% oil	25% water 15% mud
Rec. <u>180</u>	Feet Of <u>Gassy watery oil</u>	20% gas 40% oil	40% water % mud
Rec. <u>180</u>	Feet Of <u>oil cut muddy water</u>	% gas 5% oil	70% water 25% mud
Rec. <u>222</u>	Feet Of <u>water</u>	% gas % oil	100% water % mud
Rec. _____	Feet Of _____	% gas % oil	% water % mud
BHT <u>140</u>	°F Gravity <u>45</u>	°API D@ <u>80</u>	°F Corrected Gravity <u>43</u> °API _____
RW <u>1.29</u>	@ <u>57</u>	°F Chlorides <u>30,000</u>	ppm Recovery Chlorides <u>800</u> ppm System

	AK-1	Alpine	PSI Recorder No.	T-On Location
(A) Initial Hydrostatic Mud	<u>21657</u>	<u>2589</u>	<u>3026</u>	<u>3:20 P.M.</u>
(B) First Initial Flow Pressure	<u>75</u>	<u>29</u>	(depth) <u>5431</u>	T-Started <u>4:00 P.M.</u>
(C) First Final Flow Pressure	<u>140</u>	<u>135</u>	PSI Recorder No. <u>13277</u>	T-Open <u>6:22 P.M.</u>
(D) Initial Shut-In Pressure	<u>1039</u>	<u>1009</u>	(depth) <u>5440</u>	T-Pulled <u>11:22 P.M.</u>
(E) Second Initial Flow Pressure	<u>183</u>	<u>135</u>	PSI Recorder No. _____	T-Out <u>4:15 P.M.</u>
(F) Second Final Flow Pressure	<u>313</u>	<u>290</u>	(depth) _____	T-Off Location _____
(G) Final Shut-in Pressure	<u>1019</u>	<u>1012</u>	PSI Initial Opening <u>30</u>	Test <u>✓ 800</u>
(Q) Final Hydrostatic Mud	<u>2556</u>	<u>2503</u>	PSI Initial Shut-in <u>60</u>	Jars _____
			Final Flow <u>90</u>	Safety Joint <u>5000</u>
			Final Shut-in <u>120</u>	Straddle _____

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 Andrew

Our Representative Scott Bugbee

Circ. Sub NC

Sampler \_\_\_\_\_

Extra Packer \_\_\_\_\_

Elec. Rec. 150

Mileage \_\_\_\_\_

Other 3 hrs 90

TOTAL PRICE \$ 1000

1090

TRILOBITE TESTING L.L.C.

OPERATOR : Pickrell Drilling Co. DATE 5-25-00  
 WELL NAME: Johns "B-3" KB 3373.00 ft TICKET NO: 12566 DST #4  
 LOCATION : 25-30S-41W Stanton co KS GR 3362.00 ft FORMATION: Lower Keyes  
 INTERVAL : 5452.00 To 5514.00 ft TD 5514.00 ft TEST TYPE: CONVENTIONAL

RECORDER DATA

Mins		Field	1	2	3	4	TIME DATA-----
PF 30	Rec.	10242	10242	3017			PF Fr. 0850 to 0920 hr
SI 60	Range(Psi )	4175.0	4175.0	5000.0	0.0	0.0	IS Fr. 0920 to 1020 hr
SF 30	Clock(hrs)	12 HR	12 HR	Elect			SF Fr. 1020 to 1050 hr
FS 60	Depth(ft )	5511.0	5511.0	5455.0	0.0	0.0	FS Fr. 1050 to 1150 hr

	Field	1	2	3	4	
A. Init Hydro	2661.0	2657.0	2555.0	0.0	0.0	T STARTED 0620 hr
B. First Flow	121.0	146.0	32.0	0.0	0.0	T ON BOTM 0847 hr
B1. Final Flow	121.0	140.0	71.0	0.0	0.0	T OPEN 0850 hr
C. In Shut-in	147.0	157.0	120.0	0.0	0.0	T PULLED 1150 hr
D. Init Flow	130.0	149.0	72.0	0.0	0.0	T OUT 1515 hr
E. Final Flow	158.0	183.0	85.0	0.0	0.0	
F. Fl Shut-in	163.0	178.0	108.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	2641.0	2680.0	2549.0	0.0	0.0	Tool Wt. 2300.00 lbs
Inside/Outside	I	I	I			Wt Set On Packer 22000.00 lbs
						Wt Pulled Loose 28000.00 lbs
						Initial Str Wt 112000.00 lbs
						Unseated Str Wt 112000.00 lbs

RECOVERY

Tot Fluid	95.00 ft of	95.00 ft in DC and	0.00 ft in DP			Bot Choke 0.75 in
	95.00 ft of Mud					Hole Size 7.78 in
	0.00 ft of	100% mud				D Col. ID 2.25 in
	0.00 ft of					D. Pipe ID 3.80 in
	0.00 ft of					D.C. Length 642.00 ft
	0.00 ft of					D:P. Length 4813.00 ft
	0.00 ft of					
	0.00 ft of					
SALINITY	4600.00 P.P.M.	A.P.I. Gravity	0.00			

BLOW DESCRIPTION

Initial Flow:  
 Weak 1/2" built to 2 1/2" in 16 minutes. Decreased slightly in 30 minutes.  
 Initial Shut-In:  
 No blow back.  
 Final Flow:  
 No blow. Flushed tool 14 & 19 minutes into blow. Surface blow for 2 minutes Blow died.  
 Final Shut-In:  
 No blow back.  
 Remarks: 7 Ft. of Pay.

SAMPLES: None  
 SENT TO:

MUD DATA-----

Mud Type	Chemical
Weight	9.00 lb/cf
Vis.	60.00 S/L
W.L.	7.60 in3
F.C.	0.00 in
Mud Drop Y	20.0 ft
Amt. of fill	25.00 ft
Btm. H. Temp.	139.00 F
Hole Condition	Fill "Poor"
% Porosity	16.00
Packer Size	6.75 in
No. of Packers	2
Cushion Amt.	0.00
Cushion Type	
Reversed Out N	
Tool Chased Y	0.00 ft
Tester	Lanny Saloga
Co. Rep.	Arden Ratzlaff
Contr.	Norseman
Rig #	3
Unit #	
Pump T.	

Test Successful: Y

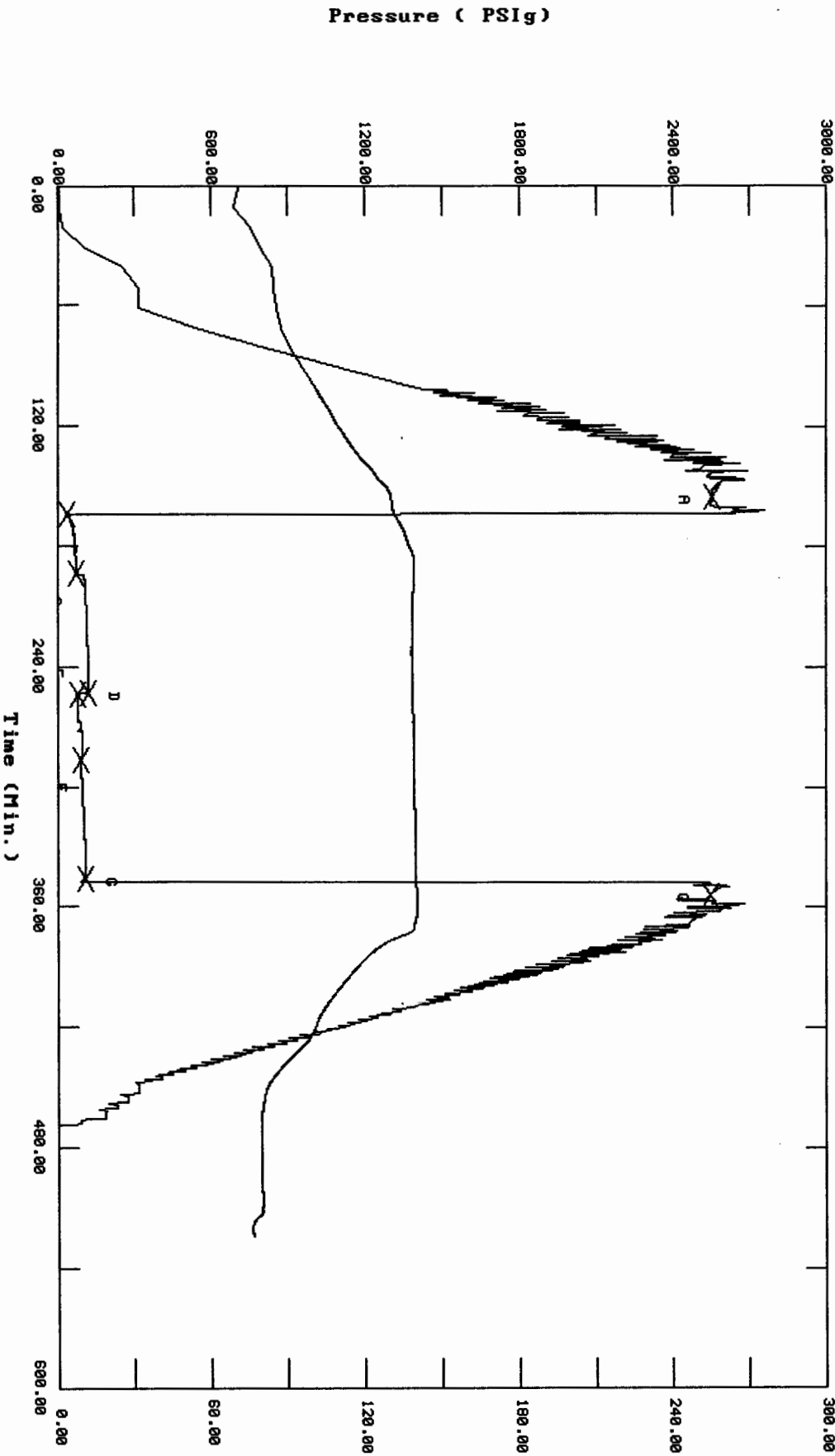


12566 D.S.T. #4 Johns "B-3" Pickrell Drilling Co.

# TEST HISTORY

Flag Points  
(Min.) PK Psig)

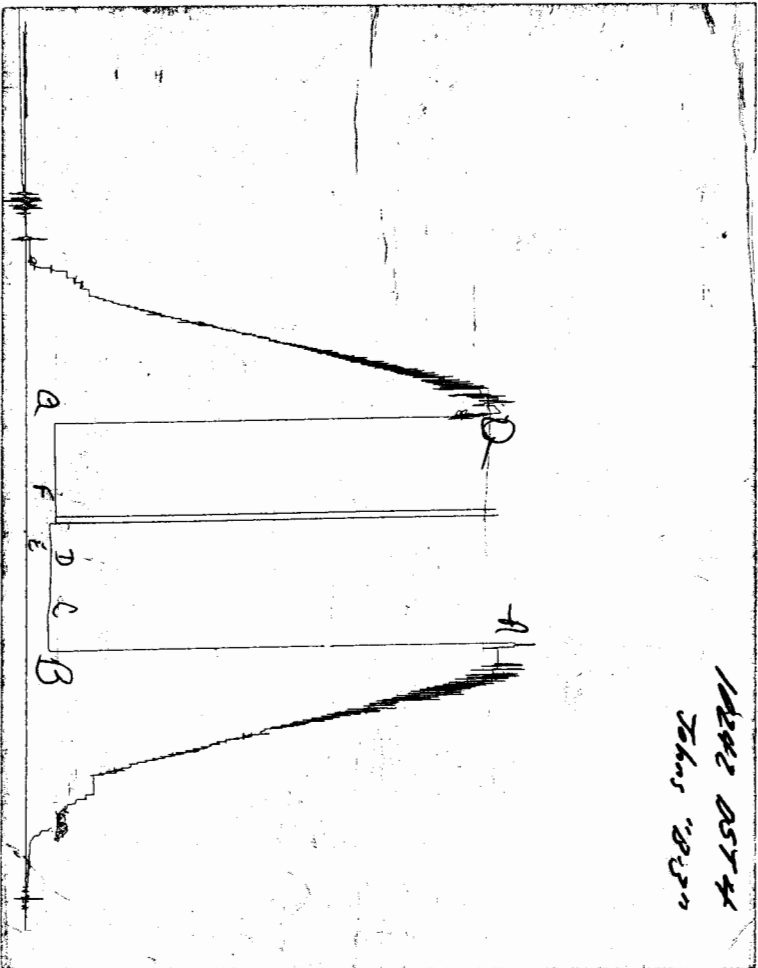
R:	0.00	2555.68
B:	0.00	32.67
C:	30.00	71.82
D:	59.50	120.01
E:	0.00	72.80
F:	32.75	85.60
G:	59.50	108.63
Q:	0.00	2549.35



Temperature (DEG F)

CHART PAGE

14242 0574  
Zehns "8330"



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<sup>o</sup> 12566

Well Name & No. <u>Johns "B-3"</u>	Test No. <u>4</u>	Date <u>5-25-00</u>
Company <u>Pittsall Drilling Co.</u>	Zone Tested <u>Lower Keyes</u>	
Address <u>Wichita ks 67202</u>	Elevation <u>3373</u> KB <u>3362</u> GL	
Co. Rep / Geo. <u>Arden Ratzlaff</u>	Cont. <u>Naveean Rq 3</u>	Est. Ft. of Pay <u>7</u> Por. <u>16</u> %
Location: Sec. <u>25</u> Twp. <u>30.5</u> Rge. <u>41W</u> Co. <u>Stanton</u> State <u>KS</u>		
No. of Copies <u>500</u> Distribution Sheet (Y, N) _____	Turnkey (Y, N) _____	Evaluation (Y, N) _____

Interval Tested 5452-5514 Initial Str Wt./Lbs. 112,000 Unseated Str Wt./Lbs. 112,000  
 Anchor Length 62' Tool = 27' Wt. Set Lbs. 22,000 Wt. Pulled Loose/Lbs. 28,000  
 Top Packer Depth 5447 Tool Weight 2,300  
 Bottom Packer Depth 5452 Hole Size — 7 7/8" Rubber Size — 6 3/4"  
 Total Depth 5514 Wt. Pipe Run \_\_\_\_\_ Drill Collar Run 642  
 Mud Wt. 9.0 LCM 7# Vis. 60 WL 7.6 Drill Pipe Size 4 1/2 XH Ft. Run 4813 30' up  
 Blow Description blow 1/2" built to 2 1/2" in 16 min. Decentral slightly 30 min. T.F.  
No blow-back. T.S.T.P.  
No blow. Flushed tool 14 & 19 min. into flow. Surface blow for 2 min. 8 min. F.F.I.  
No blow-back. F.S.T.P.

Recovery — Total Feet 75 GIP 0 Ft. in DC 75 Ft. in DP 0  
 Rec. 75 Feet Of 100% %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 139 °F Gravity \_\_\_\_\_ °API D@ \_\_\_\_\_ °F Corrected Gravity \_\_\_\_\_ °API  
 RW 1.2 @ 78 °F Chlorides 4600 ppm Recovery Chlorides 1000 ppm System

	AK-1	Alpine				
(A) Initial Hydrostatic Mud	<u>2661</u>	<u>2555</u>	PSI	Recorder No. <u>3017 "06:05"</u>	T-On Location <u>4:40 AM.</u>	
(B) First Initial Flow Pressure	<u>121</u>	<u>32</u>	PSI	(depth) <u>5455</u>	T-Started <u>6:20 AM.</u>	
(C) First Final Flow Pressure	<u>121</u>	<u>71</u>	PSI	Recorder No. <u>10242</u>	T-Open <u>8:50 AM.</u>	
(D) Initial Shut-In Pressure	<u>147</u>	<u>120</u>	PSI	(depth) <u>5511</u>	T-Pulled <u>11:50 AM.</u>	
(E) Second Initial Flow Pressure	<u>130</u>	<u>72</u>	PSI	Recorder No. _____	T-Out <u>3:15 PM.</u>	
(F) Second Final Flow Pressure	<u>158</u>	<u>85</u>	PSI	(depth) _____	T-Off Location _____	
(G) Final Shut-in Pressure	<u>163</u>	<u>108</u>	PSI	Initial Opening <u>30</u>	Test <u>800</u> ✓	
(Q) Final Hydrostatic Mud	<u>2641</u>	<u>2549</u>	PSI	Initial Shut-in <u>60</u>	Jars <u>200</u> ✓	
				Final Flow <u>30</u>	Safety Joint <u>150</u> ✓	
				Final Shut-in <u>60</u>	Straddle _____	

52500605.017  
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Approved By Arden Ratzlaff

Our Representative Jimmy J. Salgan

Extra Packer \_\_\_\_\_  
 Elec. Rec. 150 ✓  
 Mileage \_\_\_\_\_  
 Other 1301 Hg. ✓  
 TOTAL PRICE \$ 4230.00