



KANSAS CORPORATION COMMISSION 1057236
OIL & GAS CONSERVATION DIVISION

Form ACO-1
June 2009
Form Must Be Typed
Form must be Signed
All blanks must be Filled

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # 5123
Name: Pickrell Drilling Company, Inc.
Address 1: 100 S MAIN STE 505
Address 2: _____
City: WICHITA State: KS Zip: 67202 + 3738
Contact Person: Larry J. Richardson
Phone: (316) 262-8427
CONTRACTOR: License # 5123
Name: Pickrell Drilling Company, Inc.
Wellsite Geologist: Robert Stolze
Purchaser: NCRA

Designate Type of Completion:
 New Well Re-Entry Workover
 Oil WSW SWD SIOW
 Gas D&A ENHR SIGW
 OG GSW Temp. Abd.
 CM (Coal Bed Methane)
 Cathodic Other (Core, Expl., etc.): _____

If Workover/Re-entry: Old Well Info as follows:
Operator: _____
Well Name: _____
Original Comp. Date: _____ Original Total Depth: _____
 Deepening Re-perf. Conv. to ENHR Conv. to SWD
 Conv. to GSW
 Plug Back: _____ Plug Back Total Depth
 Commingled Permit #: _____
 Dual Completion Permit #: _____
 SWD Permit #: _____
 ENHR Permit #: _____
 GSW Permit #: _____
04/02/2011 04/11/2011 05/23/2011
Spud Date or Date Reached TD Completion Date or Recompletion Date

API No. 15 - 15-135-25227-00-00
Spot Description: 80' N. & 120' W. of W/2 W/2 NE NW NE
SW SW NW NE Sec. 5 Twp. 17 S. R. 24 East West
1240 Feet from North / South Line of Section
2430 Feet from East / West Line of Section
Footages Calculated from Nearest Outside Section Corner:
 NE NW SE SW
County: Ness
Lease Name: Baus Trust 'G' Well #: 1
Field Name: Vermillion
Producing Formation: Mississippian
Elevation: Ground: 2452 Kelly Bushing: 2459
Total Depth: 4525 Plug Back Total Depth: 4466
Amount of Surface Pipe Set and Cemented at: 248 Feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set: 1795 Feet
If Alternate II completion, cement circulated from: 1795
feet depth to: _____ w/ 270 sx cmt.

Drilling Fluid Management Plan
(Data must be collected from the Reserve Pit)
Chloride content: 1795 ppm Fluid volume: 400 bbls
Dewatering method used: Evaporated
Location of fluid disposal if hauled offsite:
Operator Name: _____
Lease Name: _____ License #: _____
Quarter _____ Sec. _____ Twp. _____ S. R. _____ East West
County: _____ Permit #: _____

AFFIDAVIT

I am the affiant and I hereby certify that all requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Submitted Electronically

KCC Office Use ONLY

Letter of Confidentiality Received
Date: _____
 Confidential Release Date: _____
 Wireline Log Received
 Geologist Report Received
 UIC Distribution
ALT I II III Approved by: Deanna Garrick Date: 06/07/2011



1057236

Operator Name: Pickrell Drilling Company, Inc. Lease Name: Baus Trust 'G' Well #: 1
 Sec. 5 Twp. 17 S. R. 24 East West County: Ness

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed. Attach complete copy of all Electric Wire-line Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Electric Log Run <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Submitted Electronically <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(If no. Submit Copy)</i> List All E. Logs Run: Dual Induction, Compensated Sonic, Compensated Porosity	<input checked="" type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample Name Top Datum Attached Attached Attached
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CASING RECORD <input checked="" type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
Surface Casing	12.25	8.625	23	248	60-40 poz	170	2%gel,3% CC
Prod. Csg	7.875	4.50	10.50	4515	60-40 poz, commor	200	2%gel, 1/4#FC/sx

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
___ Perforate				
___ Protect Casing	-			
___ Plug Back TD				
___ Plug Off Zone	-			

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth
4	4448-4456	Natural	

TUBING RECORD: Size: <u>2.375</u> Set At: <u>4460</u> Packer At: <u> </u> Liner Run: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Date of First, Resumed Production, SWD or ENHR. <u>05/24/2011</u>	Producing Method: <input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain) <u> </u>
Estimated Production Per 24 Hours	Oil Bbbs. <u>43</u> Gas Mcf <u> </u> Water Bbbs. <u>33</u> Gas-Oil Ratio <u> </u> Gravity <u>37</u>

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input checked="" type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input checked="" type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <input type="checkbox"/> Other (Specify) <u> </u>	PRODUCTION INTERVAL: <u>4448-4456</u>
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Form	ACO1 - Well Completion
Operator	Pickrell Drilling Company, Inc.
Well Name	Baus Trust 'G' 1
Doc ID	1057236

Tops

T/Anh	1805	+654
B/Anh	1836	+623
Heebner Shale	3814	(-1354)
Lansing	3856	(-1397)
Stark Shale	4085	(-1627)
Fort Scott	4345	(-1886)
Mississippi	4441	(-1982)
Miss Porosity	4446	(-1987)



CHARGE TO: Pickrell Drilling

ADDRESS: _____

CITY, STATE, ZIP CODE: _____

TICKET
20569

PAGE 1 OF 2

SERVICE LOCATIONS	WELL/PROJECT NO.	LEASE	COUNTY/PARISH	STATE	CITY	DATE	OWNER
1. <u>Ness City KS</u>	<u>#1</u>	<u>Buss Trust &</u>	<u>Ness</u>	<u>KS</u>	<u>Ness City</u>	<u>11 APR 11</u>	
2.	TICKET TYPE	CONTRACTOR	RIG NAME/NO.	SHIPPED VIA	DELIVERED TO	ORDER NO.	
3.	<input checked="" type="checkbox"/> SERVICE <input type="checkbox"/> SALES	<u>Co Tanks</u>		<u>CT</u>	<u>Locations</u>		
4.	WELL TYPE	WELL CATEGORY	JOB PURPOSE	WELL PERMIT NO.	WELL LOCATION		
REFERRAL LOCATION	<u>oil</u>	<u>Development</u>	<u>concrete long string</u>		<u>5-17-24</u>		
INVOICE INSTRUCTIONS							

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		UNIT PRICE		AMOUNT
		LOC	ACCT	DF		QTY.	UM	QTY.	UM	
575		1			MILEAGE TRK 114	20	m	5	00	100 00
579		1			Pump Charge	1	ea	1750	00	1750 00
407		1			insert float shoe	4 1/2	in	1	00	450 00
402		1			Centralizer	4 1/2	in	4	00	240 00
403		1			Cement Basket	4 1/2	in	1	00	225 00
408		1			DV TOOL	4 1/2	in	1	00	2500 00
417		1			DV latch down plug & baffle	4 1/2	in	1	00	200 00
281		1			MUDFLUSH	500	gal	1	00	500 00
221		1			KCL liquid	4	gal	25	00	100 00

LEGAL TERMS: Customer hereby acknowledges and agrees to the terms and conditions on the reverse side hereof which include, but are not limited to, PAYMENT, RELEASE, INDEMNITY, and LIMITED WARRANTY provisions.

MUST BE SIGNED BY CUSTOMER OR CUSTOMER'S AGENT PRIOR TO START OF WORK OR DELIVERY OF GOODS

X [Signature]

DATE SIGNED _____ TIME SIGNED _____ A.M. P.M.

REMIT PAYMENT TO:

SWIFT SERVICES, INC.
P.O. BOX 466
NESS CITY, KS 67560
785-798-2300

SURVEY	AGREE	UN-DECIDED	DIS-AGREE	PAGE TOTAL	AMOUNT
OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?				1	5890 00
WE UNDERSTOOD AND MET YOUR NEEDS?				2	8158 26
OUR SERVICE WAS PERFORMED WITHOUT DELAY?				subtotal	14048 26
WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?				Tax	691 43
ARE YOU SATISFIED WITH OUR SERVICE?	<input type="checkbox"/> YES	<input type="checkbox"/> NO		TOTAL	14,739 69
<input type="checkbox"/> CUSTOMER DID NOT WISH TO RESPOND					

CUSTOMER ACCEPTANCE OF MATERIALS AND SERVICES The customer hereby acknowledges receipt of the materials and services listed on this ticket

SWIFT OPERATOR [Signature] APPROVAL _____

Thank You!

JOB LOG

SWIFT Services, Inc.

DATE 11 APR 11 PAGE NO.

CUSTOMER PICKETT DRILLING WELL NO. #1 LEASE BAUSTRUST G JOB TYPE CONCRETE / JOY STRING TICKET NO. 20529

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
								125 sks 1 1/4" 2 1/2 gal - 75 sks STD w/ 10' float 300 sks STD w/ 1/2" flocculo
								Cont 1, 2, 3, 64 basket-65 DV tool-605 1725' 4 1/2 casing 4575 pipe 25' shoe jt TD - 4525'
	1400							on loc TRK 114
	1530							start 4 1/2 casing in well
	1730							Drop ball - circulate
	1750		12			200		Pump 50 gal mud flush
			20			200		Pump 20 bbl KCL H2O
	1800	4 3/4	40			300		Mix 100 gal 20% gel 125 sks @ 13.6 ppf
	1807	4 3/4	16			200		Mix STD w/ 2 1/2 gal 75 sks @ 15.8
								Drop 1st stage plug
	1815	6 3/4				200		Displace plug
	1830	6 3/4	71			700		Load plug
						1500		Release pressure to truck - dried up
	1832							Drop opening bomb
	1842					1500		Open DV tool circulate
			7					Plug RH - 1111 30 sks - 20 sks
	1905	6 3/4	116			200		Mix STD w/ 1/2" flocculo @ 11.2 ppf 300 sks
	1915							Drop 2nd stage plug
	1917	6 3/4				200		Displace plug (connect to surface)
	1925		29			1500		Load plug Release pressure to truck - dried up
	1930							wash truck
	1940							Rack up job complete
								Thru Wayne, Loni, Blaine, Dave

1st stage - 200 sks mixed
2nd stage 270 sks mixed
30.5 to pit

ALLIED CEMENTING CO., LLC. 039904

REMIT TO P.O. BOX 31
RUSSELL, KANSAS 67665

SERVICE POINT: Osborne, KS

DATE <u>9/3/17</u>	SEC. <u>5</u>	TWP. <u>17</u>	RANGE <u>24</u>	CALLED OUT	ON LOCATION <u>Osborne</u>	JOB START <u>7:30</u>	JOB FINISH <u>8:00</u>
Buy's Lease Tract # <u>5</u>		WELL # <u>#1</u>		LOCATION <u>Ransom in field</u>		COUNTY <u>Wich</u>	STATE <u>KS</u>
OLD OR NEW (Circle one) <u>2</u>			S 70 240 W - 5000				

CONTRACTOR Pickrell #10 OWNER Sum

TYPE OF JOB Surface

HOLE SIZE <u>12 1/4</u>	T.D. <u>257</u>
CASING SIZE <u>8 5/8</u>	DEPTH <u>248'</u>
TUBING SIZE	DEPTH
DRILL PIPE	DEPTH
TOOL	DEPTH
PRES. MAX	MINIMUM
MEAS. LINE	SHOE JOINT
CEMENT LEFT IN CSG. <u>65'</u>	
PERFS.	
DISPLACEMENT <u>14.842</u>	

CEMENT AMOUNT ORDERED 170 Can 370 cc
2 5/8" pipe

COMMON	<u>170</u>	@	<u>16.25</u>	<u>2762.50</u>
POZMIX		@		
GEL	<u>3</u>	@	<u>21.25</u>	<u>63.75</u>
CHLORIDE	<u>6</u>	@	<u>58.20</u>	<u>349.20</u>
ASC		@		
		@		
		@		
		@		
		@		
		@		
		@		
		@		
HANDLING	<u>179</u>	@	<u>2.25</u>	<u>402.75</u>
MILEAGE <u>14.5/4 mile</u>				<u>393.00</u>
TOTAL				<u>3922.00</u>

REMARKS:

The 8 5/8 Casing Circulate, Mix Cement
Displace, Wash up Celler.
Cement Drill Circulate
Thank You
Alan, Larry, Perry

SERVICE

DEPTH OF JOB	<u>248'</u>
PUMP TRUCK CHARGE	<u>1125.00</u>
EXTRA FOOTAGE	@
MILEAGE <u>20 x 2</u>	@ <u>2.00</u> <u>280.00</u>
MANIFOLD	@
Lite Vehicle <u>20 x 2</u>	@ <u>4.00</u> <u>160.00</u>
	@

CHARGE TO: Pickrell Drilling Co

STREET _____

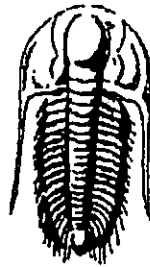
CITY _____ STATE _____ ZIP _____

TOTAL 1565.00

PLUG & FLOAT EQUIPMENT

_____	@	_____
_____	@	_____
_____	@	_____
_____	@	_____
_____	@	_____

To Allied Cementing Co., LLC.
You are hereby requested to rent cementing equipment



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Pickrell Drilling Co**

100 S Main STE 505
Wichita, KS 67202

ATTN: Bob Stolze

5-17s-24w Ness,KS

Baus Trust G

Start Date: 2011.04.09 @ 21:24:40

End Date: 2011.04.10 @ 02:16:10

Job Ticket #: 41599 DST #: 1

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620

Pickrell Drilling Co

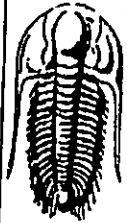
Baus Trust G

5-17s-24w Ness,KS

DST # 1

Miss-Warsaw

2011.04.09



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Pickrell Drilling Co
100 S Main STE 505
Wichita, KS 67202
ATTN: Bob Stolze

Baus Trust G
5-17s-24w Nees, KS
Job Ticket: 41599 DST#: 1
Test Start: 2011.04.09 @ 21:24:40

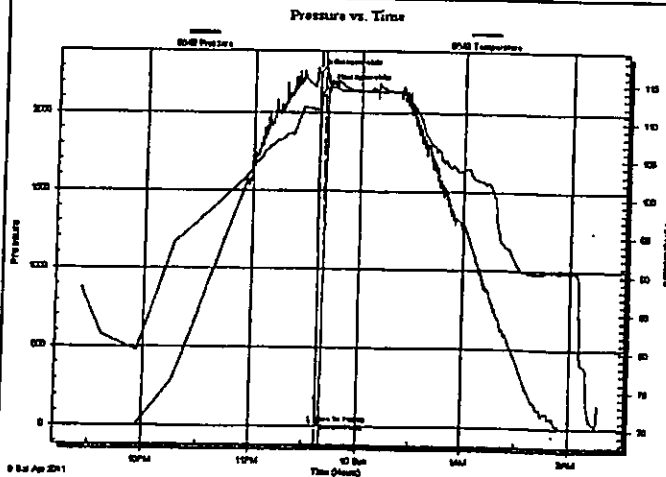
GENERAL INFORMATION:

Formation: Miss-Warsaw
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 23:36:55
Time Test Ended: 02:16:10
Interval: 4436.00 ft (KB) To 4449.00 ft (KB) (TVD)
Total Depth: 4449.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

Test Type: Conventional Bottom Hole
Tester: Randall Williams
Unit No: 43
Reference Elevations: 2459.00 ft (KB)
2452.00 ft (CF)
KB to GR/CF: 7.00 ft

Serial #: 8648 Inside
Press@RunDepth: 18.27 psig @ 4437.00 ft (KB)
Start Date: 2011.04.09 End Date: 2011.04.10
Start Time: 21:24:45 End Time: 02:16:09
Capacity: 8000.00 psig
Last Calib.: 2011.04.10
Time On Btm: 2011.04.09 @ 23:36:40
Time Off Btm: 2011.04.09 @ 23:41:25

TEST COMMENT: IF-Weak blow for 2 min - Packer Failure



PRESSURE SUMMARY

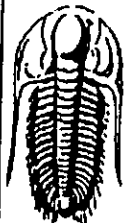
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2255.66	111.48	Initial Hydro-static
1	18.15	110.46	Open To Flow (1)
3	18.27	114.05	End Shut-in(1)
5	2160.79	115.04	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
347.00	Oil specked mud	4.87

Gas Rates

Choke (Inches)	Pressure (psig)	Gas Rate (Mc/d)



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Pickrell Drilling Co

Baus Trust G

100 S Main STE 505
Wichita, KS 67202

5-17s-24w Ness,KS

Job Ticket: 41599

DST#: 1

ATTN: Bob Stolze

Test Start: 2011.04.09 @ 21:24:40

Tool Information

Drill Pipe:	Length: 4433.00 ft	Diameter: 3.80 inches	Volume: 62.18 bbl	Tool Weight: 4000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 24000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 1000.00 lb
			<u>Total Volume: 62.18 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	20.00 ft			String Weight: Initial 64000.00 lb
Depth to Top Packer:	4436.00 ft			Final 65000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	13.00 ft			
Tool Length:	36.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			4418.00	
Hydraulic tool	5.00			4423.00	
Safety Joint	3.00			4426.00	
Packer	5.00			4431.00	23.00 Bottom Of Top Packer
Packer	5.00			4436.00	
Stubb	1.00			4437.00	
Recorder	0.00	8648	Inside	4437.00	
Recorder	0.00	6799	Outside	4437.00	
Perforations	7.00			4444.00	
Bullnose	5.00			4449.00	13.00 Bottom Packers & Anchor
Total Tool Length:	36.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Pickrell Drilling Co

Eaus Trust G

100 S Main STE 505
Wichita, KS 67202

5-17s-24v/ Ness, KS

Job Ticket: 41599

DST#: 1

ATTN: Bob Stoizle

Test Start: 2011.04.09 @ 21:24:40

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil APT

deg API

Mud Weight: 10.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 43.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 12.75 in³

Gas Cushion Type:

Gas Cushion Pressure:

psig

Resistivity: ohm.m

Salinity: 3000.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
347.00	Oil specked mud	4.867

Total Length: 347.00 ft

Total Volume: 4.867 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

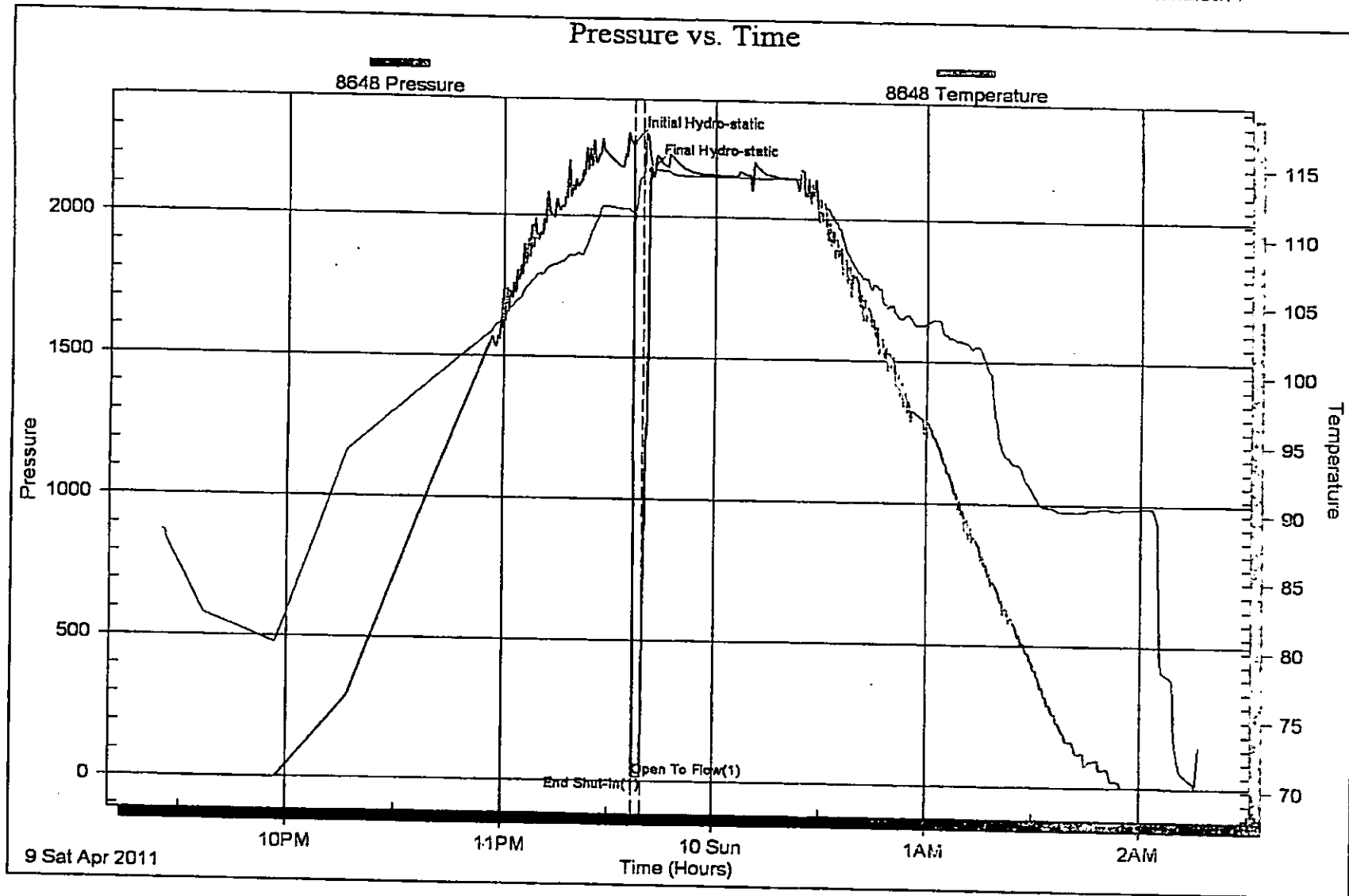
Recovery Comments:

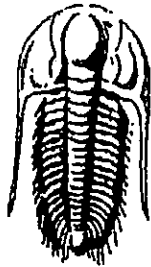
Serial #: 8648

Inside Fickrell Drilling Co

5-17s-24w Ness,KS

DST Test Number: 1





TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Pickrell Drilling Co**
100 S Main STE 505
Wichita, KS 67202

ATTN: Bob Stolze

5-17s-24w Ness,KS

Baus Trust G

Start Date: 2011.04.10 @ 04:25:30

End Date: 2011.04.10 @ 15:51:15

Job Ticket #: 41600 DST #: 2

Trilobite Testing, Inc
PO Box 1733 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Pickrell Drilling Co

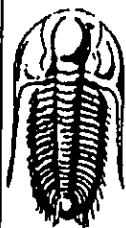
Baus Trust G

5-17s-24w Ness,KS

DST # 2

MISS-Warsaw

2011.04.10



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

PICKRELL DRILLING CO.

BAUS TRUST G

100 S MAIN STE 505
WICHITA KS 67202

5-17S-24W NESS CO

ATTN: BOB STOLZLE

Job Ticket: 41600

DST#: 2

Test Start: 2011.04.10 @ 04:25:30

GENERAL INFORMATION:

Formation: MISS-WARSAW

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 08:33:00

Time Test Ended: 15:51:15

Test Type: Conventional Bottom Hole

Tester: RANDALL WILLIAMS

Unit No: 43

Interval: 4382.00 ft (KB) To 4449.00 ft (KB) (TVD)

Total Depth: 4449.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2459.00 ft (KB)

2452.00 ft (CF)

KB to GR/CF: 7.00 ft

Serial #: 8648

Inside

Press@RunDepth: 41.75 psig @ 4383.00 ft (KB)

Start Date: 2011.04.10

End Date:

2011.04.10

Start Time: 04:25:35

End Time:

15:51:15

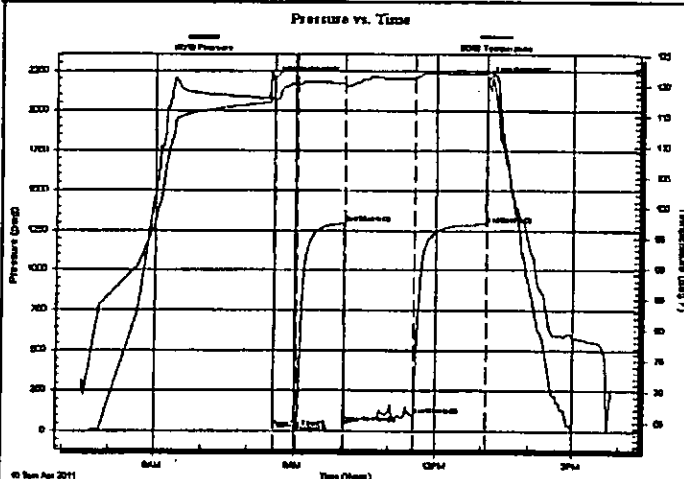
Capacity: 8000.00 psig

Last Calib.: 2011.04.10

Time On Btm: 2011.04.10 @ 08:32:45

Time Off Btm: 2011.04.10 @ 13:06:30

TEST COMMENT: IF-WBB, BULT TO 5 1/2 INCHS IN 30 MINS.
IS- NBB
FF- WBB, BULT TO BOTTOM BUCKET IN 55 MINS
FSI-NBB



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2194.18	118.17	Initial Hydro-static
1	21.04	117.42	Open To Flow (1)
30	41.75	120.43	Shut-in(1)
90	1293.02	120.53	End Shut-in(1)
91	48.18	120.18	Open To Flow (2)
181	100.55	121.27	End Shut-in(2)
273	1288.21	122.07	End Shut-in(3)
274	2194.63	122.04	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
63.00	MCO- 60% MUD, 40% OIL	0.88
63.00	OCM- 45% OIL, 55% MUD	0.88
94.00	CLEAN OIL	1.32

Gas Rates

	Choke (Inches)	Pressure (psig)	Gas Rate (Mcfd)



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Pickrell Drilling Co

Baus Trust G

100 S Main STE 505
Wichita, KS 67202

5-17s-24w Ness, KS

Job Ticket: 41600

DST#: 2

ATTN: Bob Stolze

Test Start: 2011.04.10 @ 04:25:30

Tool Information

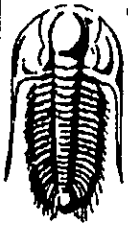
Drill Pipe:	Length: 4376.00 ft	Diameter: 3.80 inches	Volume: 61.38 bbl	Tool Weight: 4000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 64000.00 lb
			<u>Total Volume: 61.38 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	17.00 ft			String Weight: Initial 60000.00 lb
Depth to Top Packer:	4382.00 ft			Final 64000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	67.00 ft			
Tool Length:	90.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			4364.00	
Hydraulic tool	5.00			4369.00	
Safety Joint	3.00			4372.00	
Packer	5.00			4377.00	23.00 Bottom Of Top Packer
Packer	5.00			4382.00	
Stubb	1.00			4383.00	
Perforations	5.00			4388.00	
Change Over Sub	1.00			4389.00	
Recorder	0.00	8648	Inside	4389.00	
Recorder	0.00	6799	Outside	4389.00	
Blank Spacing	31.00			4420.00	
Change Over Sub	1.00			4421.00	
Perforations	23.00			4444.00	
Bullnose	5.00			4449.00	67.00 Bottom Packers & Anchor

Total Tool Length: 90.00



**TRIOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

PICKRELL DRILLING CO.

BAUS TRUST G

100 S MAIN STE 505
WICHITA KS 67202

5-17S-24W NESS CO

Job Ticket: 41600

DST#: 2

ATTN: BOB STOLZLE

Test Start: 2011.04.10 @ 04:25:30

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

39 deg API

Mud Weight: 10.00 lb/gal

Cushion Length:

ft

Water Salinity:

3000 ppm

Viscosity: 43.00 sec/qt

Cushion Volume:

bbf

Water Loss: 12.78 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3000.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbf
63.00	MCO- 60% MUD, 40% OIL	0.884
63.00	OCM- 45% OIL, 55% MUD	0.884
94.00	CLEAN OIL	1.319

Total Length: 220.00 ft

Total Volume: 3.087 bbf

Num Fluid Samples: 0

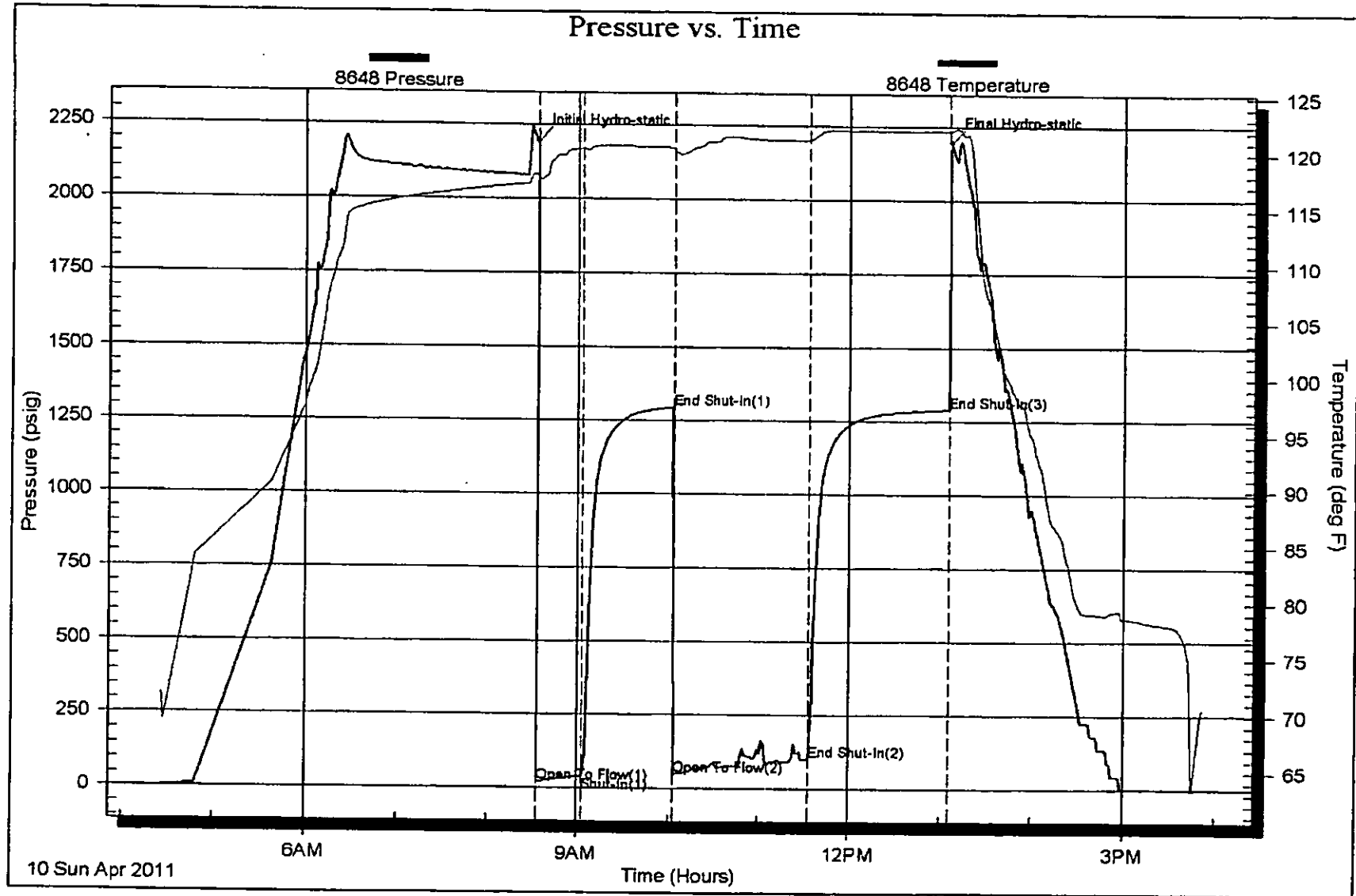
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



ROBERT STOLZLE

CONSULTING PETROLEUM GEOLOGIST

2023 Oak St. #210

2211 S. 25th St, W. Okmulgee, OK 73052-0800 (405) 704-0400

DRILLING TIME AND SAMPLE LOG

OPERATOR: Pickrell Drilling Co., Inc.
 LEASE: Baust Trust 'G' WELL NO.: 1
 FIELD: Vermillion
 LOCATION: 1240' ENL, 2430' FEL
 SEC.: 5 TWP: 17S RANGE: 24W
 COUNTY: Ness STATE: KS
 API NO.: 15-135-25227-00-00

CONTRACTOR: Pickrell Drilling Rig 10
 LOG DATED: April 2, 2011 COMPLETED: 4/11/11
 ROTARY TOTAL DEPTH: 4525' LOG TOTAL DEPTH: 4527'
 GEOLOGICAL SUPERVISION FROM: 3600' to: T.D.
 MUD-LOG CATH. 3432' MUD TYPE: Chemical Polymer

FORMATION	SAMPLE		LOG		STRUCTURAL DEVIATION
	TOP	THICKNESS	TOP	THICKNESS	
Stone Corral Anhy.	1805	(+654)	1805	(+654)	+6'
Heebner Sh.	3807	(-1348)	3813	(-1351)	-8'
Lansing Group	3854	(-1395)	3856	(-1397)	-11'
LKC G Zone ϕ	3968	(-1509)	3968	(-1509)	-8'
Stark Shale	4086	(-1627)	4086	(-1627)	-5'
Base Ks. City Gr.	4145	(-1686)	4146	(-1687)	-11'
Pawnee Ls.	4266	(-1807)	4266	(-1807)	-9'
Ft. Scott Ls.	4343	(-1884)	4345	(-1886)	-11'
Cherokee Sh.	4368	(-1909)	4370	(-1911)	-12'
Miss. Warsaw Fm.	4437	(-1978)	4441	(-1982)	-21'
Miss. Parosity	4444	(-1985)	4446	(-1987)	-18'
Total Depth	4525		4527		

Reference Well for Structural Comparison: Palomino #1 Vermillion NE 1/4 Sec. 6
 Comments and Recommendations: Recommended Mississippian Completion

ELEVATIONS

KB 2459'

GL 2454'

Measurements are all
From KB

CASING RECORD

SERVICE: 8 5/8" 23#

@ 248' W/170SK

PRODUCTION: Used 4 1/2"

@ 4515' W/200SK

2 1/2" @ 1795' Circ.

WIRE LINE SURVEYS

Log Tech. Dual

Induction Comp. Dual

Porosity, Micro-

electric and sonic

Logs were run

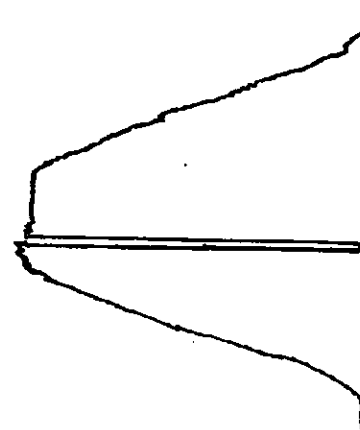
LOGGING

DATE	LOCATION
	Location #1 BAUST TR. G
5	

DST # 1 Chart 8648

Depth:

Interval: 4436-4449



DST # 1 ZONE: Miss. Warsaw Fm.

INTERVAL: 4436'-4449'

Pressure:	Time	Process	RECOVERY
1. Initial Hydrostatic	Start	2256 psi	347' Oil spaced
2. Initial Flow:	Start	18 psi	drilling Mud
3. Initial Flow:	End	18 psi	Packers failed
4. Initial Shut-in:	End		to hold.
5. Final Flow:	Start		Deviation 3/4"
6. Final Flow:	End		No-Stop -
7. Final Shut-in:	End		Windy
8. Final Hydrostatic	End		

BIT:

Rv:

DST # 2 Chart 8648

Depth:

DST # 2

Interval: 4382-4449

DST # 2 ZONE: Miss. Warsaw Fm.

INTERVAL: 4382'-4449'

1. Initial Hydrostatic _____ 2194 psi 94' Clean Oil
 2. Initial Flow: Start 0 21 psi 63' Oil Cut Mud
 3. Initial Flow: End 30 42 psi (45% Oil)
 4. Initial Shut-in: End 60 1293 psi 63' Mud Cut Oil
 5. Final Flow: Start 0 48 psi (60% Oil)
 6. Final Flow: End 90 101 psi 39° Gravity
 7. Final Shut-in: End 90 1288 psi
 8. Final Hydrostatic _____ 2195 psi

BHT: 122°F
 Rv: _____

IF - 5 1/2"
 IST - No blow
 FF - BDB 55 Min
 FSI - No blow



DST # _____ ZONE: _____
 INTERVAL: _____

DST # _____ Chart _____
 Interval: _____ Depth: _____

Pressures:	Time	Press.	RECOVERY
1. Initial Hydrostatic	_____	_____ psi	_____
2. Initial Flow: Start	_____	_____ psi	_____
3. Initial Flow: End	_____	_____ psi	_____
4. Initial Shut-in: End	_____	_____ psi	_____
5. Final Flow: Start	_____	_____ psi	_____
6. Final Flow: End	_____	_____ psi	_____
7. Final Shut-in: End	_____	_____ psi	_____
8. Final Hydrostatic	_____	_____ psi	_____

BHT: _____
 Rv: _____

ABBREVIATIONS USED

ROCK TYPES:

ls - Limestone
 sh - Shale
 sd - Sandstone
 slts - Siltstone
 cc - Conglomerate
 chert - Chert
 Qtz - Quartzite
 gran - Granite
 dol - Dolomite
 chlk - chalky

COLOR:

wh - White
 grn - Green
 br - Brown
 rd - Red
 grn - Green
 gry - Gray
 blk - Black
 blot - Mottled

HARDNESS:

SF - Soft
 M.SF - Moderately soft
 H - Hard
 V.H - Very hard

FABRIC:

fn.grn - Finegrained
 VFG - Very fine grained
 Med - Medium
 Co - Coarse
 Det - Detrital
 Foco - Foliofoliarous
 Crn - Crystalline
 M - Microcrystalline
 Pol - Politic
 Cam - Crystalline
 Mat - Matrix

OTHER TERMS:

fl - Fluorescence (of oil)
 min fl - minimal fluorescence
 pur - puritic
 o/w - oil/water
 carb - carbonaceous
 str - stain (of oil)
 cut - oil cut
 A - as above
 A - as above
 NSFC - no stain, fluorescence, odor, or cut (of oil)
 car - caraple
 perm - permeability
 F.O. - Free oil
 vug - vugular
 tr - trace
 w/ - with

MODIFIERS:

gd - Good
 fr - Fair
 pr - Poor
 ex - excellent
 v - very
 v - very
 tr - trace
 occ - occasional
 vis - visible
 N - no
 gran - granular
 Intgran - Interganular
 pp - pinpoint
 ad - acid
 gsy - gummy

OIL SHOWS

- Weak Oil Show
- ⊙ Fair Oil Show
- ⊙ Good Oil Show
- ⊙ Excellent Oil Show

TEXTURE:

Dns - Dense
 Cty - Clayey
 Frl - Friable
 Earth - Earthy
 Hack - Hackly
 Fion - Fine
 Vit - Vitreous
 Vug - Vugular
 Mic - Micritic

ROCK TYPE SYMBOLS

SHALE

CARBONACEOUS
SHALE

QUARTZITE

SANDSTONE

LIMESTONE

Displace Mud System at 3432'

Wt. on Bit 35, md-40, 10.0#
RPM 70
Pump Pressure 900psi

Note: Automatic driller took
weight off bit when
temperature dropped;
occasional very erratic
drilling.

Mud Check @ 3513'
M.W. 8.716/gal
Vis. 51 sec./qt.
WL 8.0 ml/30min.
Chl. 1000ppm
Solids 2.7%
L.C.M. 2 lbs./bbl.

3600

Ls. cm. - grey, bed. - m. sst. dns, vfg
xln, occ. sand, v. l. p. r. p. v. g. o.
tr. f. ss. NSFOC

Sh. grey. dk. grey. m. sst. dns, earthy
Ls. cm. - grey, bed. - m. sst. dns, vfg
Md. occ. v. f. ss., occ. sand, no
NSFOC

Sh. grey. dk. grey. v. sst. dns, earthy
Ls. cm. - grey, m. sst. bed. dns, vfg
v. f. ss., occ. v. f. ss., occ. sand
NSFOC

Sh. grey. m. sst. - m. bed. dns, hackly
Sh. A.A.
Ls. cm. - dk. grey, bed. dns, vfg
occ. v. f. ss., occ. sand, tr. f. ss.
tr. sst. & chik. NSFOC

Ls. cm. - dk. grey, bed. dns - sst. v
chik., occ. f. ss., occ. sand
NSFOC

3650

Sh. more Sh. grey. m. bed. dns, hack
Ls. cm. - sst. chik. - grey, bed. dns,
vfg - m. sst. tr. f. ss., tr. p.
m. sst. p. NSFOC

Sh. grey. dk. grey, m. bed. dns, earthy
Ls. cm. - m. sst. - bed. dns, vfg
tr. f. ss., tr. chik., sh. sst. no
NSFOC

Sh. grey. dk. grey, m. bed. dns, earthy
Sh. grey. dk. grey, m. bed. dns, earthy
Ls. cm. - dk. grey, bed. dns, vfg
v. f. ss., tr. sand, tr. chik. NSFOC

Ls. cm. - dk. grey, bed. dns, vfg
v. f. ss., tr. sand, tr. chik. NSFOC
Ls. cm. - bed. dns, vfg - m. sst. v. g.
occ. f. ss., tr. sand, tr. chik. NSFOC

Sh. dk. dk. grey, m. sst. dns, earthy
Ls. cm. - dk. grey, bed. sst. chik.,
tr. f. ss., tr. sand, occ. tr. p. v. g.
pp. v. g. p. NSFOC

3700

Sh. A.A.
Ls. cm. - sst. chik. - bed. dns, vfg -
m. sst. occ. f. ss. - tr. f. ss., tr. p.
v. g. r. p. NSFOC

Sh. grey, m. sst. dns, earthy
Ls. cm. - tr. dk. grey, bed. sst. chik.
tr. f. ss. NSFOC

Sh. grey. dk. grey, m. bed. dns,
hackly
Ls. A.A. NSFOC

Sh. grey. dk. grey, m. bed. dns,
hackly - earthy, tr. carb.
Sh. A.A., less grey. g. r. d.

Ls. cm. - bed. dns, vfg - m. sst. v. g.
occ. f. ss., occ. sst. & chik.
NSFOC

3750

3800

3850

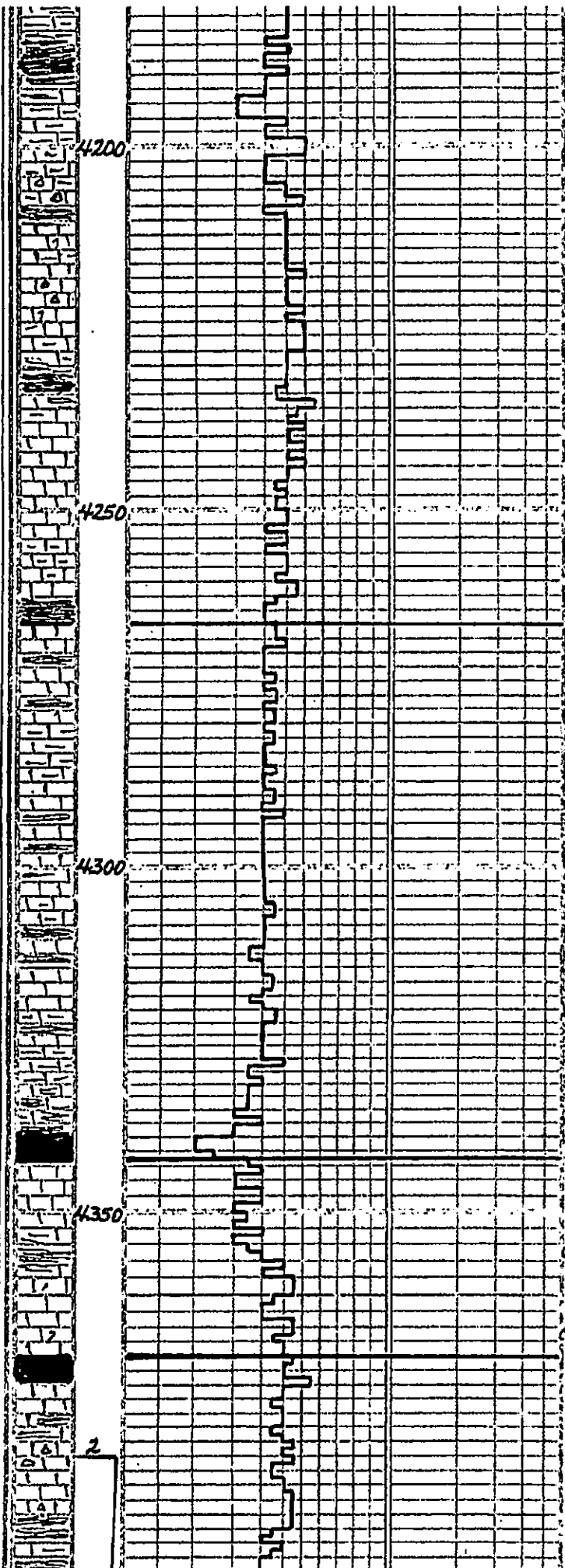
3900

3950

occ. foss. - v. foss. - tr. st. chik. -
 NSFOC
 Sp. gr. - m. st. - d. ns. - h. ack. -
 Ls. - cr. m. - h. d. - d. ns. - veg. - m. h. -
 tr. - ch. - occ. - st. - chik. -
 foss. - tr. - sandy - NSFOC
 Sh. - gr. - de. - gr. - m. - h. d. - d. ns. - h. ack. -
 Sh. - gr. - q. n. - d. r. g. n. - m. - h. d. - d. ns. -
 h. ack. -
 Ls. - cr. m. - tan. - h. d. - st. - chik. - tr. -
 foss. - NSFOC
 Ls. - cr. m. - tan. - h. d. - st. - chik. -
 occ. - foss. - veg. - m. h. - NSFOC
 Sh. - gr. - de. - gr. - m. - h. d. - d. ns. -
 h. ack. - tr. -
 Sh. - A. - A. -
 Ls. - cr. m. - tan. - h. d. - d. ns. - veg. -
 m. h. - occ. - st. - chik. - foss. -
 NSFOC
 Ls. - cr. m. - tan. - h. d. - d. ns. -
 veg. - m. h. - tr. - mic. - occ. - foss. -
 tr. - st. - chik. - NSFOC
 Sh. - gr. - q. n. - d. r. g. n. - m. - h. d. -
 h. ack. -
 Ls. - cr. m. - st. - chik. - h. d. - d. ns. - veg. -
 m. h. - occ. - foss. - NSFOC
 Sh. - gr. - b. k. - m. - st. - h. d. - d. ns. -
 earthy - h. ack. - carb. -
 Sh. - gr. - b. k. - A. - A. -
 Ls. - tan. - h. d. - d. ns. - veg. - m. h. -
 foss. - NSFOC
 Sh. - gr. - v. st. - clayey - occ. -
 sandy - silty -
 Ls. - cr. m. - h. d. - d. ns. - tr. - st. -
 chik. - occ. - foss. - NSFOC
 Sh. - gr. - v. st. - clayey - d. r. g. n. - m. - h. d. -
 d. ns. - earthy - h. ack. -
 Ls. - cr. m. - h. d. - d. ns. - tr. - veg. -
 occ. - v. st. - sandy - C. - P. - NSFOC
 Sh. - A. - A. -
 Ls. - cr. m. - h. d. - d. ns. - tr. - h. -
 occ. - v. foss. - tr. - v. pr. - h. d. -
 NSFOC
 Ls. - sh. - cr. m. - h. d. - d. ns. - veg. -
 tr. - st. - chik. - occ. - foss. -
 NSFOC
 Ls. - A. - A. - occ. - sh. - st. - NSFOC
 Sh. - gr. - de. - gr. - m. - h. d. - d. ns. - h. ack. -
 foss. -
 Sh. - A. - A. -
 Ls. - cr. m. - st. - chik. - h. d. - d. ns. - veg. -
 m. h. - occ. - foss. - NSFOC
 Sh. - de. - gr. - m. - h. d. - d. ns. - h. ack. -
 Ls. - cr. m. - h. d. - d. ns. - veg. - m. h. -
 foss. - tr. - st. - sandy - NSFOC
 Sh. - A. - A. -
 Ls. - cr. m. - h. d. - d. ns. - veg. -
 Sh. - de. - gr. - m. - h. d. - d. ns. -
 earthy - h. ack. - carb. -
 Ls. - cr. m. - h. d. - st. - chik. - tr. - veg. -
 h. d. - tr. - foss. - tr. - sh. - st. - NSFOC
 Sh. - gr. - b. k. - m. - h. d. - d. ns. - h. ack. -
 earthy -
 Ls. - cr. m. - gr. - h. d. - d. ns. - occ. - st. -
 chik. - tr. - h. - m. h. - mic. - tr. - ch. -
 occ. - foss. - NSFOC
 Sh. - A. - A. -
 Sh. - A. - A. - incl. - h. d. - st. - h. -
 Ls. - cr. m. - h. d. - d. ns. - tr. - h. -
 occ. - foss. - tr. - chik. - NSFOC

Heabner shale (-1348')

Lansing Gr. (-1395')



Sh. gray - gray, red, brown, m. st. f.,
 dns., earthy,
 Ls. com. - tan, hrd, dns., veg - mxln,
 tr. foss., sh. sand. NONSEDC
 Sh. A.A.
 Ls. com. - brn, hrd, m. st. f., dns.,
 tan, mxln, chky, occ. sh. sand,
 occ. p. r. d. surf. NONSEDC
 Ls. A.A. red, brn, sh. sand, pebb,
 surf. NONSEDC
 Sh. gray - dk, gray - mar, m. st. f.,
 occ. st. f., earthy
 Sh. A.A.
 Ls. com. - tan, hrd, dns., veg - mxln,
 mic. sh. sand, occ. foss.
 NONSEDC
 Ls. com. - tan, hrd, dns., veg - mxln,
 occ. mic. st. f., occ. pebb, sh. sand,
 tr. foss. NONSEDC
 Sh. A.A.
 Ls. A.A. NONSEDC
 Sh. varicolored, m. st. f. - m. hrd,
 dns., earthy,
 Ls. com. - gray, hrd, dns., veg - mxln,
 mic. NONSEDC
 Sh. gray, red, brn - mar, m. st. f.,
 dns., occ. st. f., earthy
 Sh. A.A.
 Ls. com. - tan, hrd, dns., mxln,
 mic. NONSEDC
 Sh. gray - red, brn - mar, m. st. f., hrd,
 st. f., sandy, hark - earthy
 Ls. com. - tan, hrd, dns., mxln, mic.,
 fr. ch. f., ch. f. NONSEDC
 Sh. gray - gray, red, brown, m. st. f.,
 hrd - fr. st. f., dns., st. f., sandy,
 earthy - hark
 Ls. tr. A.A., mic. NONSEDC
 Sh. A.A., mar, red, brn - mar
 Ls. com. - tan, hrd, dns., veg -
 mxln, mic. NONSEDC
 Sh. A.A. NONSEDC
 Sh. gray - gray, red, mar - red, tan,
 m. st. f., m. st. f. - m. hrd, dns.,
 occ. st. f., earthy - hark
 Sh. gray - dk, gray, m. hrd, m. st. f.,
 dns., occ. sandy, earthy
 Ls. com. - tan, hrd, dns., mxln, mic.
 pebbles? NONSEDC
 Sh. gray, red, dk, gray, occ. red, brn,
 occ. sandy, m. st. f. - m. hrd, earthy
 Ls. tr. A.A. poss. pebb. NONSEDC
 Sh. gray - gray, red - m. brn, m. st. f. -
 m. hrd, dns., tr. st. f., earthy
 Ls. com. - tan, hrd, dns., veg - mxln, mic.
 sh. sand, occ. pebb. NONSEDC
 Sh. A.A. NONSEDC
 Sh. gray, red, dk, gray - red, brn, m. st. f. -
 m. hrd, dns., earthy - hark
 fr. sandy
 Sh. A.A. occ. blk, carb.
 Ls. tan, hrd, dns., mxln, mic.
 p. r. d. foss. NONSEDC
 pebb. carb.
 Ls. com. - tan, A.A. occ. st. f., chky,
 veg - mxln, occ. foss. NONSEDC
 Ls. tan - brn, hrd, dns., veg - mxln,
 mic., l. z. pc. w. l. fr. fr. p. r. d. m. hrd
 fr. brn, st. f., fr. cut fl. fr.
 fr. pebb, No. 8, D. very weak show
 Sh. gray, red, brn, hrd, dns., p. r. d.
 hark, carb.
 Sh. gray, red, brn - red, brn, m. st. f. -
 m. st. f., dns., occ. chky, pebb, hark
 Ls. com. - tan, hrd, dns., mxln, mic.
 tr. foss., pebb. NONSEDC
 Sh. A.A.
 Ls. com. - tan, hrd, st. f., dns., veg -
 mxln, mic. tr. chky, occ. chky.
 NONSEDC
 Sh. varicolored, m. st. f. - m. hrd,
 dns., occ. sandy, fr. chky, pebb, hark
 Ls. com. - tan, hrd, dns., veg - mxln,

Pawnee Ls
 (-1807)

Ft. Scott Ls.
 (-1884)

Charokey Sh.
 (-1909)
 Mud chock @ 4412'
 M.W. 9.5 solids 84%
 Vis. 43 LCM 42#
 W.L. 12.8
 Chl. 3,000

