



WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # _____

Name: _____

Address 1: _____

Address 2: _____

City: _____ State: _____ Zip: _____ + _____

Contact Person: _____

Phone: (_____) _____

CONTRACTOR: License # _____

Name: _____

Wellsite Geologist: _____

Purchaser: _____

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 #: _____

Spud Date or Recompletion Date Date Reached TD Completion Date or Recompletion Date

API No. 15 - _____

Spot Description: _____

_____ - _____ - _____ Sec. _____ Twp. _____ S. R. _____ East West

_____ Feet from North / South Line of Section

_____ Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE NW SE SW

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total Depth: _____ Plug Back Total Depth: _____

Amount of Surface Pipe Set and Cemented at: _____ Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set: _____ Feet

If Alternate II completion, cement circulated from: _____

feet depth to: _____ w/ _____ sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: _____ ppm Fluid volume: _____ bbls

Dewatering method used: _____

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: _____ Date: _____



1057236

Operator Name: _____ Lease Name: _____ Well #: _____

Sec. _____ Twp. _____ S. R. _____ East West County: _____

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 type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Submitted Electronically <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(If no, Submit Copy)</i> List All E. Logs Run:	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample Name Top Datum
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CASING RECORD <input 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

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 <i>(Amount and Kind of Material Used)</i>	Depth

TUBING RECORD: Size: _____ Set At: _____ Packer At: _____ Liner Run: Yes No

Date of First, Resumed Production, SWD or ENHR. _____ Producing Method:
 Flowing Pumping Gas Lift Other (Explain) _____

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
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DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5) (Submit ACO-4)</i> <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	Pickrell Drilling Company, Inc.
Well Name	Baus Trust 'G' 1
Doc ID	1057236

Tops

Name	Top	Datum
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)



Services, Inc.

CHARGE TO: Prokell Drilling
 ADDRESS: _____
 CITY, STATE, ZIP CODE: _____

TICKET
20569

PAGE 1 OF 2

SERVICE LOCATIONS: Miss City, KS WELL/PROJECT NO. #1 LEASE Bays Trust G COUNTY/PARISH Miss STATE KS CITY Miss City DATE 11 APR 11 OWNER _____
 2. TICKET TYPE SERVICE SALES CONTRACTOR _____ RIG NAME/NO. _____ ORDER NO. _____
 3. WELL TYPE _____ WELL CATEGORY Co Traks JOB PURPOSE Development DELIVERED TO Locations
 4. REFERRAL LOCATION _____ INVOICE INSTRUCTIONS Development WELL PERMIT NO. _____ WELL LOCATION 5-17-24

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	LOC	ACCT	DF	DESCRIPTION	QTY.	UM	QTY.	UM	UNIT PRICE	AMOUNT
575					MILEAGE	20	mi			5.00	100.00
579					Pump Charge	1	ea			1750.00	1750.00
407					insert float shoe	4 1/2	in	1	ea	470.00	2115.00
402					Centralizer	4 1/2	in	4	ea	60.00	240.00
403					Concent Basket	4 1/2	in	1	ea	225.00	225.00
408					D V Tool	4 1/2	in	1	ea	2500.00	2500.00
417					Dv latch down plug & buffer	4 1/2	in	1	ea	280.00	280.00
281					MUDPLUG	500	gal			1.00	500.00
221					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
 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	8158.00
OUR SERVICE WAS PERFORMED WITHOUT DELAY?					
WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?					
ARE YOU SATISFIED WITH OUR SERVICE?	<input type="checkbox"/> YES	<input type="checkbox"/> NO			
SUBTOTAL				14048	26
NESS TAX 6.3%				691	43
TOTAL					14,739.69

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

SWIFT OPERATOR Robbi APPROVAL _____
 Thank You!



PO Box 466.
Ness City, KS 67560
Off: 785-798-2300

TICKET CONTINUATION

TICKET No. 20569

CUSTOMER Procell Drilling

WELL BAOS TRUST & #1

DATE 11 APR 11

PAGE 2 OF 2

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			TIME	DESCRIPTION	WELL				UNIT PRICE	AMOUNT
		LOC	ACCT	DF			QTY.	U/M	QTY.	U/M		
326						6440 Poz mix (290 gal)	125	SK			9.50	1187.50
325						STANDARD cement	75	SK			12.00	900.00
285						CFR-1	85	lb			4.00	340.00
283						SALT	50	lb			0.15	7.50
330						SMD cement	300	lbs			15.00	4500.00
581						SERVICE CHARGE					1.58	780.00
583						MILEAGE CHARGE					1.80	473.26
SERVICE CHARGE 500 lbs MILEAGE CHARGE 473.26 LOADED MILES 20 TON MILES 473.26 CUBIC FEET												
CONTINUATION TOTAL												8158.26

JOB LOG

SWIFT Services, Inc.

DATE 11 APR 11 PAGE NO.

CUSTOMER PICKERILL DRILLING WELL NO. #1 LEASE BAUSTRUST G JOB TYPE concrete / long string TICKET NO. 20569

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
								125 sks 6 1/4" 2 1/2% gel - 75 sks STD w/ 10% salt 300 sks SMD w/ 1/2" flocc
								Cont 1, 2, 3, 6 1/4" basket - 65" DV tool - 6.5 1825' 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 multiflush
			20				200	Pump 20 gal KCL H ₂ O
	1800	4 3/4	40				300	MIX 6 1/4" 2 1/2% gel 125 sks @ 13.6 ppf
	1807	4 3/4	16				200	MIX STD w/ 2 1/2% salt 75 sks @ 15.8 Drop 1st stage plug
	1815	6 3/4					200	Displace plug
	1830	6 3/4	71				700	Land plug
							1500	Release pressure to truck - dried up
	1830							Drop opening bomb
	1842						1500	open DV tool circulate
			7					Plug RH - MH 30 sks - 20 sks
	1905	6 3/4	116				200	Mix SMD w/ 1/2" flocc @ 11.2 ppf 300'
	1915							Drop 2nd stage plug
	1917	6 3/4					200	Displace plug (omit to surface)
	1925		29				1500	Land plug Release pressure to truck - dried up
	1930							Wash truck
	1950							Rack up JL complete
								1st stage - 200 sks mixed 2nd stage 270 sks mixed 3rd stop +
								Thru
								Wayne, Lane, Blaine & DAVE

ALLIED CEMENTING CO., LLC. 039904

Federal Tax I.D.# 20-5975804

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

SERVICE POINT: Oakley, Ky

DATE <u>9/3/17</u>	SEC. <u>5</u>	TWP. <u>17</u>	RANGE <u>24</u>	CALLED OUT	ON LOCATION <u>OK</u>	JOB START <u>2:30</u>	JOB FINISH <u>8:00</u>
LEASE <u>Bank's Trust #8</u>	WELL # <u>#1</u>	LOCATION <u>Ramsen W Twp</u>			COUNTY <u>Wash</u>	STATE <u>KY</u>	
OLD OR NEW (Circle one) <u>NEW</u>		S 70 240 W - Sinto					

CONTRACTOR Pickrell #10
 TYPE OF JOB Surface
 HOLE SIZE 12 7/8 T.D. 254
 CASING SIZE 8 5/8 DEPTH 248'
 TUBING SIZE DEPTH
 DRILL PIPE DEPTH
 TOOL DEPTH
 PRES. MAX MINIMUM
 MEAS. LINE SHOE JOINT
 CEMENT LEFT IN CSG. 65'
 PERFS.
 DISPLACEMENT 14.842

OWNER Sam
 CEMENT
 AMOUNT ORDERED 170 Can 340 cc
200 gal
 COMMON 170 @ 16²⁵ 2762⁵⁰
 POZMIX @
 GEL 3 @ 21²⁵ 63⁷⁵
 CHLORIDE 6 @ 57²⁰ 349²⁰
 ASC @
 HANDLING 179 @ 2²⁵ 402⁷⁵
 MILEAGE 114 5/4 mile 393⁵⁰

EQUIPMENT

PUMP TRUCK CEMENTER Alan
 # 423 HELPER Carl
 BULK TRUCK
 # 404 DRIVER Terry
 BULK TRUCK
 # DRIVER

REMARKS:

The 8 5/8 csg, Circulate, Mix cement
Displace, wash up collar.
Cement did circulate
Thank you
Alan, Terry, Terry

CHARGE TO: Pickrell Drilling Co
 STREET _____
 CITY _____ STATE _____ ZIP _____

TOTAL 3972⁵⁰

SERVICE

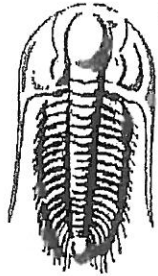
DEPTH OF JOB 248'
 PUMP TRUCK CHARGE 1125⁰⁰
 EXTRA FOOTAGE @
 MILEAGE 20 x 2 @ 20⁰⁰ 280⁰⁰
 MANIFOLD @
Lite Vehicle 20 x 2 @ 4⁰⁰ 160⁰⁰
 @

TOTAL 1565⁰⁰

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

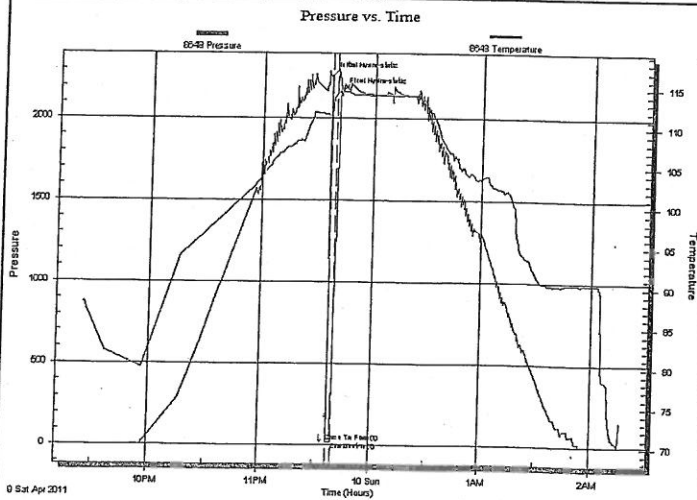
Baus Trust G
 5-17s-24w Ness, KS
 Job Ticket: 41599 DST#: 1
 Test Start: 2011.04.09 @ 21:24:40

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

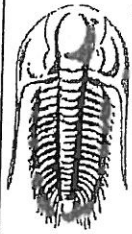
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2255.66	111.48	Initial Hydro-static
1	18.15	110.46	Open To Flow (1)
3	18.27	114.05	End Shut-In(1)
5	2160.79	115.04	Final Hydro-static

Recovery

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

Gas Rates

Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

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

Baus Trust G
5-17s-24w Ness, KS
Job Ticket: 41599 DST#: 1
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
100 S Main STE 505
Wichita, KS 67202
ATTN: Bob Stolze

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

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 10.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 43.00 sec/qt	Cushion Volume: bbl		
Water Loss: 12.75 in ³	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 bbl
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

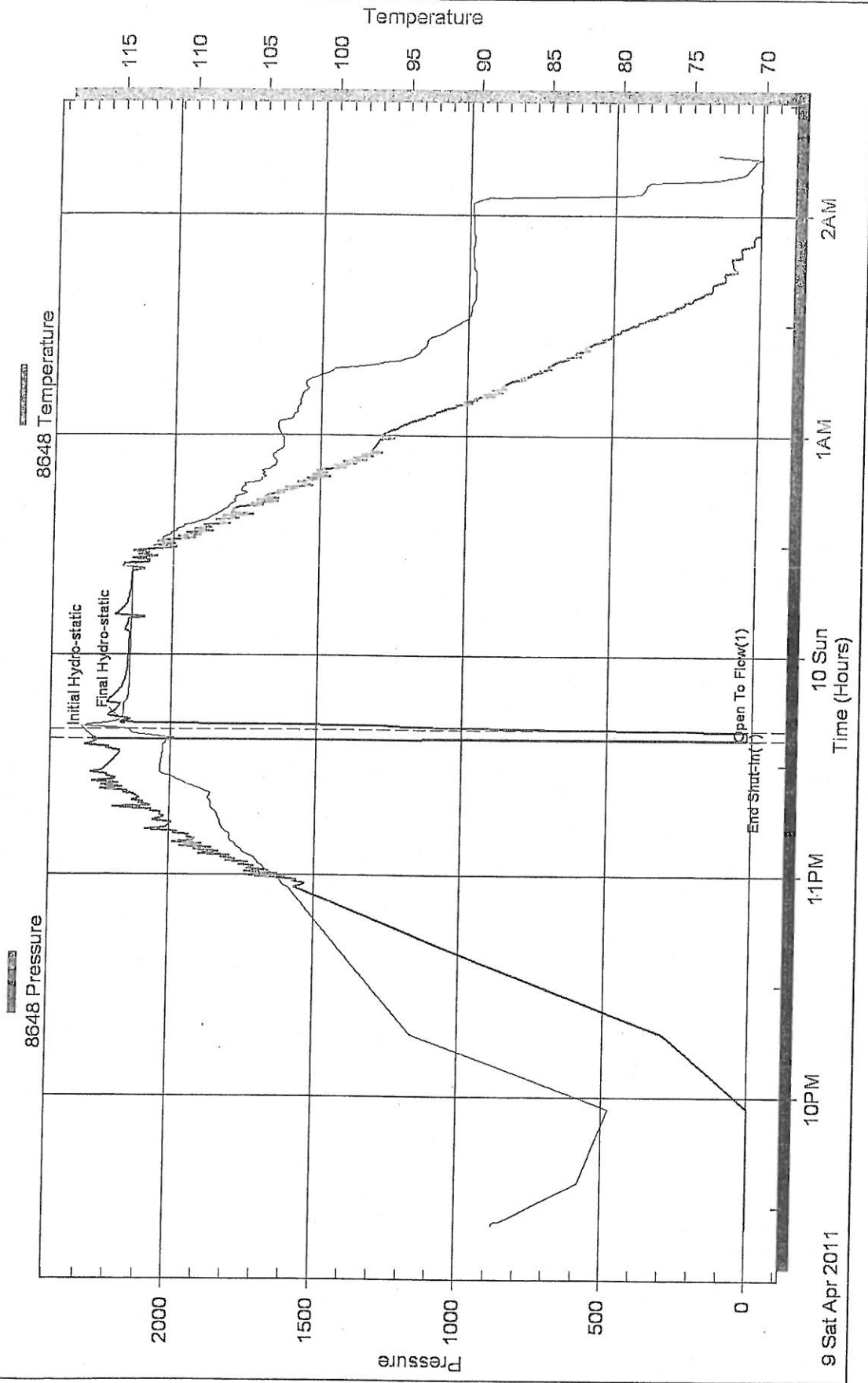
Inside

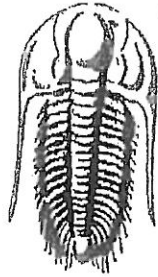
Fickrell Drilling Co

5-17s-24w Ness, KS

DST Test Number: 1

Pressure vs. Time





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

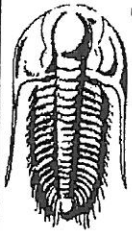
Baus Trust G

5-17s-24w Ness,KS

DST # 2

Miss-Warsaw

2011.04.10



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

PICKRELL DRILLING CO.
 100 S MAIN STE 505
 WICHITA KS 67202
 ATTN: BOB STOLZLE

BAUS TRUST G
5-17S-24W NESS CO
 Job Ticket: 41600 **DST#: 2**
 Test Start: 2011.04.10 @ 04:25:30

GENERAL INFORMATION:

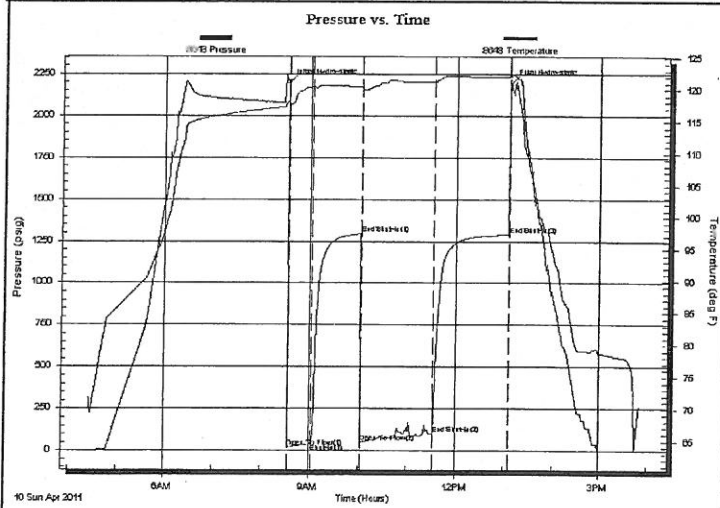
Formation: **MISS-WARSAW**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 08:33:00
 Time Test Ended: 15:51:15
 Interval: **4382.00 ft (KB) To 4449.00 ft (KB) (TVD)**
 Total Depth: 4449.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole
 Tester: 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: 41.75 psig @ 4383.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2011.04.10 End Date: 2011.04.10 Last Calib.: 2011.04.10
 Start Time: 04:25:35 End Time: 15:51:15 Time On Btm: 2011.04.10 @ 08:32:45
 Time Off Btm: 2011.04.10 @ 13:06:30

TEST COMMENT: IF-WBB, BUILT TO 5 1/2 INCHS IN 30 MIN'S.
 ISI- NBB
 FF- WBB, BUILT TO BOTTOM BUCKET IN 55 MIN'S
 FSI-NBB



PRESSURE SUMMARY

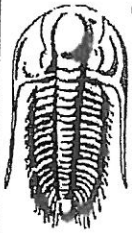
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2194.18	118.17	Initial Hydro-static
1	21.04	117.42	Open To Flow (1)
30	41.75	120.43	Shut-In(1)
90	1293.02	120.53	End Shut-In(1)
91	48.18	120.18	Open To Flow (2)
181	100.55	121.27	End Shut-In(2)
273	1288.21	122.07	End Shut-In(3)
274	2194.63	122.04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



TRILLOBITE
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
		Total Volume: 61.38 bbl		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	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



**TRILOBITE
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:

bbbl

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 bbl
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 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

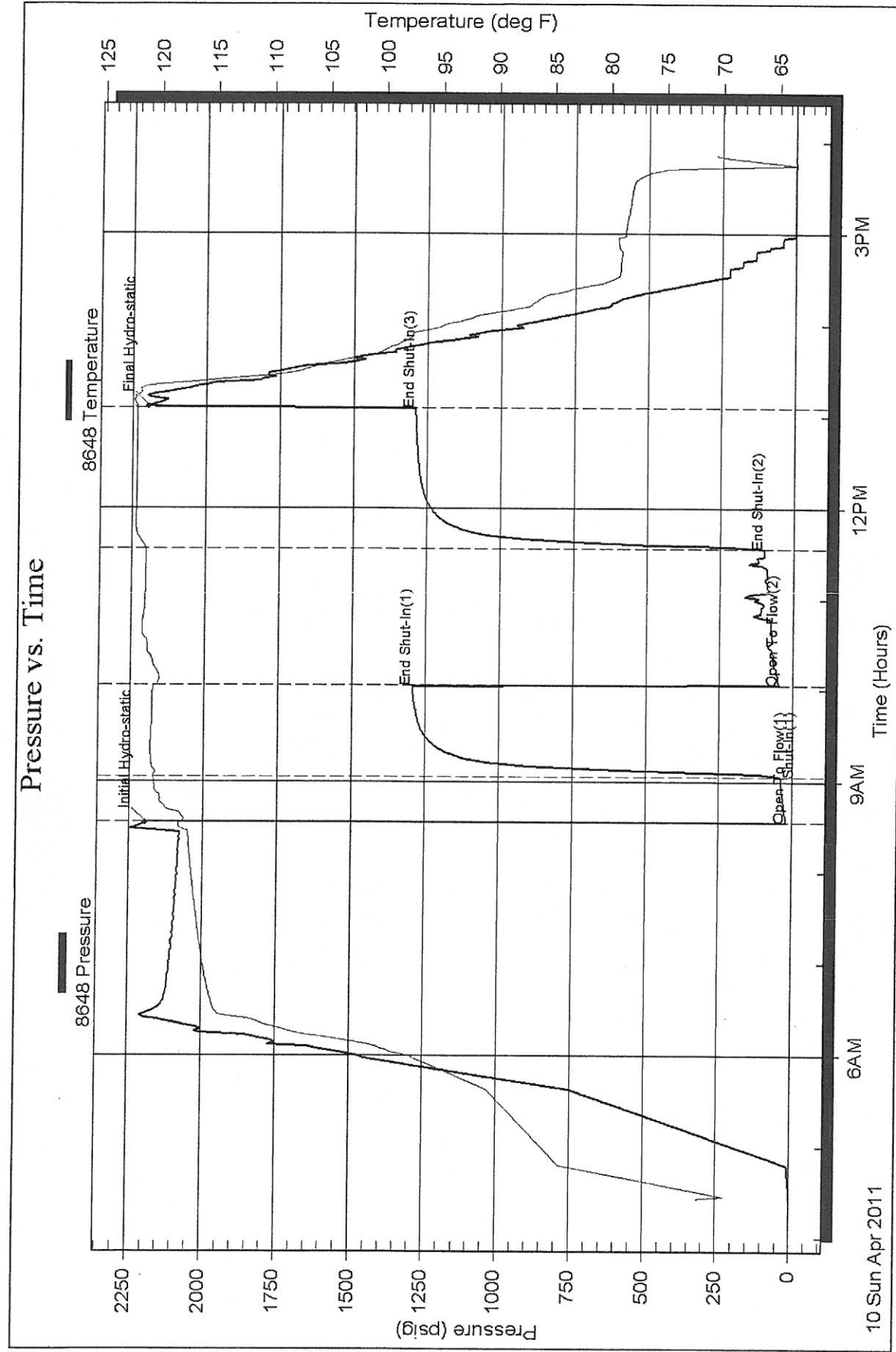
Serial #: 8648

Inside

PICKRELL DRILLING CO.

5-17S-24W NESS CO

DST Test Number: 2



ROBERT STOLZLE

CONSULTING PETROLEUM GEOLOGIST
AAPG CORP. #3244
2011 S. 201st St, W. Ocala, FL 32060 (916) 704-5000

DRILLING TIME AND SAMPLE LOG

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

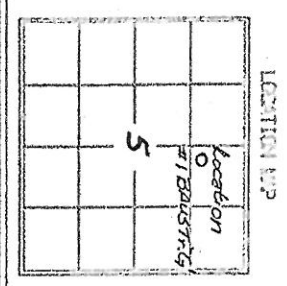
CONTRACTOR: Parkrell Drilling Rig 10
 COMMENCED: April 2, 2011 COMPLETED: 4/11/11
 POT/RY TOTAL DEPTH: 4525' LOG TOTAL DEPTH: 4527'
 GEOLOGICAL DESCRIPTION FROM: 3600' to: T.D.
 LOG-UP DEPTH: 3432' NO TYPE: Chemical Polymer

FORMATION	DEPTH		CORRECTION
	TOP	LOG	
Stone/Coral Ahvy.	1805 (4654)	1805 (4654)	+6'
Hebner Sh.	3807 (-1348)	3813 (-1354)	-8'
LANSING Group	3854 (-1395)	3856 (-1397)	-11'
LKlg Zone φ	3968 (-1509)	3968 (-1509)	-8'
STARK SHALE	4086 (-1627)	4086 (-1627)	-5'
Base Ks. C. Ty Gp.	4145 (-1686)	4146 (-1687)	-11'
Pawnee Ls.	4266 (-1807)	4266 (-1807)	-9'
FL. SCOTTL 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	

ELEVATIONS
 KB 2459'
 CL 2454'
 Measurements are all from KB

CASING RECORD
 SIZE: 8 5/8" 23#
 @ 248' W/1705X
 PRODUCTION: Used 4 1/2" @ 4515' w/2005X
D @ 1795' Circ.

WIRELINE SERVICES
 Log Tech: Dual
 Induction Comp. Dual
 Parosity, Micro-
 Electric and Sonic
 Logs. Water Full

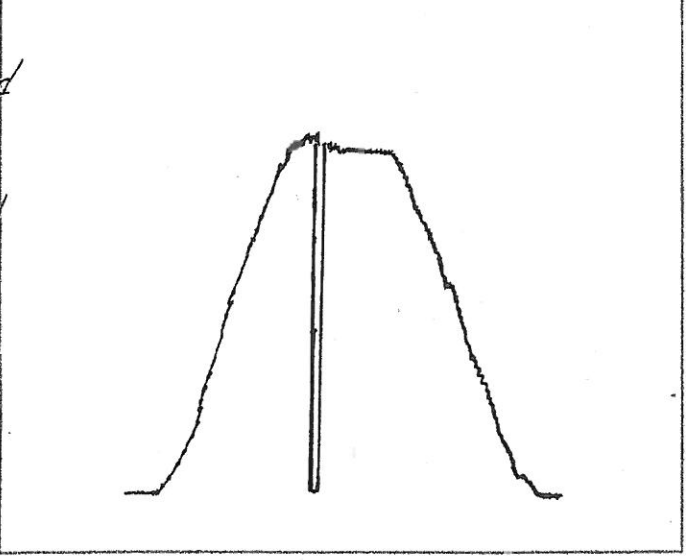


Reference Well for Structural Comparison: Palomino Vermillion NW 5 sec 6
 Comments and Recommendations: Recommended Mississippia Completion

DST # 1 ZONE: Miss. Warsaw Fm.
 INTERVAL: 4436'-4449'

Pressures:	Time	Press.	RECOVERY
1. Initial Hydrostatic		2256 psi	<u>347' Oil speckled</u>
2. Initial Flow: Start	<u>0</u>	<u>18</u> psi	<u>drilling Mud</u>
3. Initial Flow: End	<u>3.5 min</u>	<u>18</u> psi	
4. Initial Shut-in: End			<u>Packers failed</u>
5. Final Flow: Start			<u>to hold.</u>
6. Final Flow: End			
7. Final Shut-in: End			<u>Deviation 3/4°</u>
8. Final Hydrostatic			<u>No Strap - Windy</u>

DST # 1 8648 Chart
 Interval: 4436-4449 Depth: _____



DST # 2 ZONE: Miss. Warsaw Fm.
 INTERVAL: 4382'-4449'

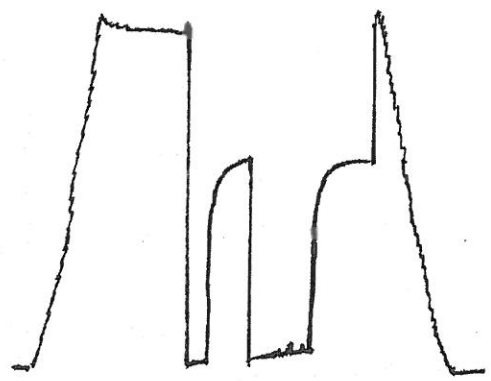
DST # 2 8648 Chart
 Interval: 4382-4449' Depth: _____

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' Mudcut 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

Rw: _____

IF - 5 1/2"
 IST - No blow
 FF - BOB 55 min
 F.SI - 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: _____

Rw: _____

ABBREVIATIONS USED

ROCK TYPES:
 Ls - Limestone
 Sh - Shale
 Ss - Sandstone
 Sils - Siltstone
 Cn - Conglomerate
 Chrt - Chert
 Qtz - Quartzite
 Gren - Granite
 Dol - Dolomite
 Chk - chalky

COLOR:
 Wh - White
 Grn - Green
 Clr - Clear
 Rd - Red
 Grn - Green
 Gry - Gray
 Blk - Black
 Mot - Mottled

HARDNESS:
 SFT - Soft
 M.SFT - Moderately soft
 Hrd - Hard
 V.Hrd - Very hard

FABRIC:
 Fn.grn - finegrained
 VFG - Very fine grained
 Med - Medium
 Crg - Coarse
 Det - Detrital
 Facs - Fossiliferous
 Xln - Crystalline
 Mxln - Microcrystalline
 Oal - Oolitic
 Oam - Oolitic
 Mat - Matrix

OTHER TERMS:
 fl - fluorescence (of oil)
 min fl - mineral fluorescence
 pyr - pyritic
 pflu - pyrofluorescent
 carb - carbonaceous
 str - stain (of oil)
 cut - oil cut
 AA - as above
 p - porosity
 NSFCC - no stain, fluorescence, color, or cut (of oil)
 ampl - sample
 perm - permeability
 F.O. - free oil
 vug - vugular
 tr - trace
 w/ - with

MODIFIERS:
 gd - Good
 fr - Fair
 pr - Poor
 ex - excellent
 v - very
 y - yell
 tr - trace
 occ - occasional
 vis - visible
 N - no
 gran - granular
 Intgran - intergranular
 pp - pinpoint
 dd - dead
 gsy - gassy

TEXTURE:
 Dns - Dense
 Cly - Clayey
 Fri - Friable
 Earth - Earthy
 Hack - Hackly
 Fiss - Fissile
 Vit - Vitreous
 Vug - Vugular
 Mic - Micritic

OIL SHOWS
 ○ Weak Oil Show
 ⊙ Fair Oil Show
 ⊕ Good Oil Show
 ⊗ Excellent Oil Show

ROCK TYPE SYMBOLS

SHALE

CARBONACEOUS SHALE

QUARTZITE

SANDSTONE

LIMESTONE

SALT



CRINOID LIME STONE



COLOMITE



ANHYDRITE



CHERT

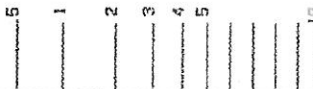


GRANITE



LITHOLOGY

DRILLING TIME



GAS SHOWS

TOTAL GAS UNITS

CHOCALTOON UNITS



Oil Shows

SAMPLE DESCRIPTIONS

REMARKS

1750

Note: Anhydrite drilling,
time recorded in 5'
intervals - Averaged to
min./ft. here.

1800

Stone Corral
Anhydrite
(+654')

1850

Displace Mud System at 3432'

Wt. on Bit 35,000-40,000#
RPM 70
Pump Pressure 900psi

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

Mud Check @ 3513'
M.W. 8.716/94
Vis. 51 sec./qt.
WL 8.0 ml/30min.
Chl. 1600 PPM
Solids 2.7%
L.C.M. 2 lbs./bbl.

3600

Ls. crm. - gr. hrd. - m. sft. dns. VEG
XIN. occ. sandy. tr. pr. PP. Vug. ϕ
tr. foss. NSFOC
Sh. gr. - dk. gr. m. sft. dns. earthy
Ls. crm. - gr. hrd. - m. sft. dns. VEG
XIN. occ. v. foss. occ. sandy. NO
NSFOC

Sh. gr. - dk. gr. v. sft. dns. earthy
Ls. crm. - gr. m. sft. hrd. dns. VEG
XIN. occ. v. foss. occ. sandy.
NSFOC

Sh. gr. m. sft. m. hrd. dns. hackly
Sh. A.A.

Ls. crm. - lt. gr. hrd. dns. VEG XIN.
occ. v. sandy. calc. ss. tr. v. foss.
tr. sft. + chik. NSFOC

Ls. crm. - dk. gr. hrd. dns. - sft. v.
chik. occ. foss. occ. sandy.
NSFOC

3650

Sp. more Sh. gr. m. hrd. dns. hack.
Ls. crm. sft. - chik. - gr. hrd. dns.
VEG - XIN. + foss. tr. pr.
no. d. c. ϕ NSFOC

Sh. gr. - dk. gr. m. hrd. dns. earthy
Ls. crm. m. sft. - hrd. dns. VEG XIN.
tr. foss. tr. chik. sh. sft. hrd.
NSFOC

Sh. gr. - dk. m. hrd. m. sft. earthy
Sh. gr. - dk. m. sft. m. hrd. dns.
earth. - hackly. tr. carb.

Ls. crm. - gr. hrd. dns. VEG XIN. occ.
v. foss. tr. sandy. NSFOC

Ls. crm. hrd. dns. VEG - XIN. m. sft.
occ. foss. tr. sandy. tr. chik.
NSFOC

3700

Sh. lt. dk. gr. m. sft. dns. earthy
Ls. tan - gr. m. hrd. - sft. + chik.
foss. tr. sandy. occ. tr. pr. VEG
PP. Vug. ϕ NSFOC

Sh. A.A.
Ls. crm. sft. chik. - hrd. dns. VEG -
XIN. occ. foss. - lt. foss. tr. pr.
Vug. ϕ NSFOC

Sh. gr. m. sft. dns. earthy
Ls. crm. - tr. lt. gr. hrd. - sft. + chik.
tr. foss. NSFOC

Sh. gr. - dk. gr. m. hrd. dns. hackly
Ls. A.A. NSFOC

Sh. gr. - dk. - dk. m. hrd. dns. hackly
earth. - earthy. tr. carb.
Sh. A.A. less gr. gnd.

Ls. crm. hrd. dns. VEG - XIN. occ. foss.
occ. sft. + chik. NSFOC

3750

3800

3850

3900

3950

occ. foss., tr. stl. chik.,
 tr. pr. pp. ϕ NSEOC
 Sh. gry. m. stl. dns., hackly
 Ls. crm., hrd. dns., VEG-mixln.,
 tr. chl., occ. stl. chiky., tr.
 foss., tr. sandy NQNSEOC
 Sh. gry. dk. gry. m. hrd. dns., hack.
 Sh. gry. gn. - dk. gn., m. hrd. dns.
 hackly
 Ls. crm. - tan, hrd. stl. chik., tr.
 foss. NQNSEOC
 Ls. crm. - tan, hrd. - stl. chik.,
 occ. foss., VEG-mixln., NQNSEOC
 Sh. gry. - dk. gry. m. hrd. dns.,
 hackly, pyr.
 Sh. A. A.
 Ls. crm. - tan, hrd. dns., VEG-
 mixln. occ. stl. + chik., foss.
 NQNSEOC
 Ls. crm. - tan - brn., hrd. dns.,
 VEG-mixln., tr. mic., occ. foss.
 tr. stl. chik. NQNSEOC
 Sh. gry. gn. - dk. gry. m. hrd., hack.
 Ls. crm., stl. chik. - hrd. dns., VEG-
 mixln., occ. foss. NQNSEOC
 Sh. gry. - blk., m. stl. hrd. dns.,
 earthy - hackly, carb.
 Sh. gry. - blk. A. A.
 Ls. tan, hrd. dns., VEG-mixln., tr.
 foss. NQNSEOC

Heabner Shale
 (-1348')

Sh. gry., v. stl., clayey, occ.
 sandy - stl.

Ls. crm., hrd. dns., mixln., occ.
 foss. - v. foss., tr. stl. + chik.
 NQNSEOC

Sh. gry., v. stl., clayey - dk. gry. m. hrd.
 dns., earthy - hackly
 Ls. crm., hrd. dns., mixln. - VEG-mixln., occ.
 foss. + sh. stnd. NQNSEOC

Sh. A. A.
 Ls. crm., hrd. dns., mixln. - mixln.,
 occ. v. foss., tr. v. pr. in top
 ϕ NSEOC
 Ls. wh. - crm., hrd. dns., VEG-mixln.
 tr. stl. chik., occ. foss.
 NQNSEOC

Ls. A. A., occ. sh. stnd. NQNSEOC

Sh. gry. - dk. gry., m. hrd. dns., hack.
 fissile
 Sh. A. A.
 Ls. crm., stl. + chik. - hrd. dns., VEG-
 mixln., occ. foss. NQNSEOC

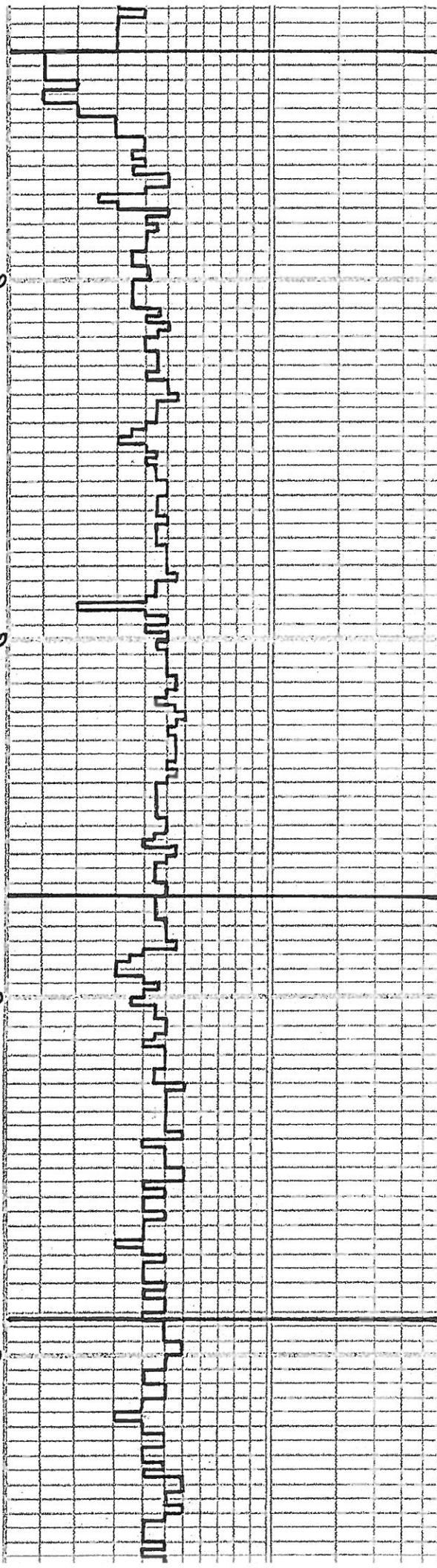
Sh. dk. gry., m. hrd. dns., hack.
 Ls. crm., hrd. dns., VEG-mixln., occ.
 foss., tr. sh. stnd. NQNSEOC

Sh. dk. gry., m. hrd. dns., hack - earthy
 tr. v. stl., clayey
 Ls. crm., hrd. m. stl. dns., VEG, occ.
 foss., sh. stnd. NQNSEOC
 Sh. A. A., occ. tr. gry., stl., earthy
 Ls. crm. - h. gry., hrd. dns., VEG-mixln.
 foss., tr. sh. stnd. NQNSEOC

Ls. crm. - wh., hrd. dns., mixln. - VEG-
 mixln., foss., tr. sh. stnd. NQNSEOC
 Sh. dk. gry. - blk., m. hrd. dns.,
 earthy - hack., tr. carb.
 Ls. crm., hrd. - stl. chiky., mixln. - VEG-
 mixln., tr. foss., tr. sh. stnd. NQNSEOC
 Sh. gry. - blk., m. hrd. dns., hack -
 earthy
 Ls. crm. - gry., hrd. dns., occ. stl. +
 chik., mixln. - mixln., mic., tr. chl.
 occ. foss. NQNSEOC
 Sh. A. A.
 Sh. A. A. incl. bd. brn. - poss. carinas
 Ls. crm., hrd. dns., mixln. - mixln.,
 occ. foss., tr. chiky. NQNSEOC

Heabner Shale (-1348')

Lansing Gr. (-1395')



Ls: crm., hrd., dns., f.xln., mxln.,
 mic., chy., occ. foss. & ool.
 NΦNSFOC
 Tr. Sh. A.A.
 Ls: wh.-crm., sft., chy., clayey
 mxln., No vis. φ NSFOC
 Ls: wh.-crm., hrd., dns., f.xln., mxln.,
 tr. sft. + chik., tr. foss.
 NΦNSFOC
 Sh: A.A. - crinids
 Ls: crm.-tan, hrd., dns., VEG-mxln.,
 mic., chy., rare foss. NΦNSFOC
 Ls: crm., hrd.-m. sft., dns., VEG-
 mxln., tr. mic., tr. chy., rare
 foss., tr. sh. std. NΦNSFOC
 Sh: dk. gry., m. hrd., dns., hackly
 Sh. A.A.
 Ls: crm., hrd.-sft., dns., VEG-mxln.,
 tr. mic., tr. chy., rare foss.
 NΦNSFOC
 Sh: gry.-dk. gry., m. sft., dns., earthy
 Ls: wh.-crm.-tan, m. sft., chy.,
 hrd., dns., VEG-mxln., mic., chy.,
 rare foss. NΦNSFOC
 Ls: crm.-tan, m. sft., hrd., dns.,
 VEG-mxln., mic., occ. chy., tr.
 sh. std., tr. foss. NΦNSFOC
 Sh: dk. gry., m. hrd., dns., earthy-hack.
 Sh. A.A.
 Ls: crm.-tan, hrd.-m. sft., VEG-mxln.,
 ool.-v. ool., occ. qd.-ex. ool. φ
 NSFOC
 Ls: crm.-tan, hrd., dns., VEG-mxln.,
 occ. v. ool. w/ tr. pf. ool. φ
 occ. mic. NSFOC
 Sh: dk. gry., m. hrd., dns., hack.
 Sh. A.A.
 Ls: crm.-tan, hrd., dns., VEG-mxln.,
 mic., chy., occ. ool. NΦNSFOC
 Ls: crm., hrd., dns., VEG-mxln., occ.
 mic., chy., occ. ool.-v. ool. w/
 tr. qd. ool. φ NSFOC
 Sh: dk. gry., m. hrd., dns., earthy
 Ls: crm.-tan, hrd., dns., VEG-mxln.,
 mic., tr. chy., tr. ool. NΦNSFOC
 Sh: dk. gry.-blk., m. hrd., dns.,
 earthy, carb.
 Tr. Sh. A.A.
 Ls: crm.-tan, hrd.-sft., chy., VEG-
 mxln., mic., chy. NΦNSFOC
 Ls: crm.-tan, f.xln.-mxln., hrd., dns.,
 occ. sft. + chy., tr. chy., rare
 foss. or ool. NΦNSFOC
 Ls: A.A., occ. H. gry. NΦNSFOC
 Sh: dk. gry.-blk., m. hrd., dns., hack-
 ly, sh. std., carbonaceous
 Tr. Sh. A.A.
 Ls: crm.-tan, hrd., dns., VEG-mxln.,
 mic., tr. chy., tr. foss., occ.
 chy. NΦNSFOC
 Ls: A.A. NΦNSFOC
 Sh: dk. gry.-gry. gen.-rd. bn., m.
 sft., earthy, tr. sh. std.
 Sh. A.A., more gry. gen.
 Ls: crm.-tan, hrd., dns., VEG-mxln.,
 chy., sh. std. NΦNSFOC
 Ls: A.A., occ. foss., occ. sh. std.
 NΦNSFOC
 Sh: gry.-blk.-rd. bn., m. hrd.-
 m. sft., dns., earthy, carb.
 Sh. A.A., occ. gry., v. sft., clayey
 Ls: crm.-tan, hrd., dns., VEG-mxln.,
 mic., occ. sh. std. NΦNSFOC
 Sh: dk. gry.-rd. bn., m. hrd., m. sft., occ.
 v. sft., clayey, earthy
 Ls: crm.-tan, hrd., dns., VEG-mxln.,
 mic., sh. std. NΦNSFOC

LKC G' Zone
 Porosity
 (-1509')

Mud Check @ 4062'
 M.W. 9.3
 Vis. 46
 W.L. 12.0
 Ch. 3.000
 Solids 6.8%
 L.C.M. 1/2#

Stark Shale
 (-1627')

Base of Kansas
 City Group
 (-1686')

4200

4250

4300

4350

2

Sh. gry. - gm. gm. - rd. tan. m. sft. -
 dns. earthy
 Ls. crm. - tan, hrd. dns. veg. mxln. -
 tr. foss. sh. stnd. NONSFOC
 Sh. A.A.
 Ls. crm. - brn. hrd. m. sft. dns. -
 mxln. mxln. chky. occ. sh. stnd
 occ. pebb. surf. NONSFOC
 Ls. A.A. rd. brn. sh. stnd. pebb
 surf. NONSFOC
 Sh. gry. - dk. gry. - mar. m. sft. -
 occ. sft. earthy
 Sh. A.A.
 Ls. crm. - tan, hrd. dns. veg. mxln. -
 mic. sh. stnd. occ. foss.
 NONSFOC
 Ls. crm. - tan, hrd. dns. veg. mxln. -
 occ. mic. tr. chky. occ. pebb. -
 sh. stnd. tr. foss. NONSFOC
 Sh. A.A.
 Ls. A.A. NONSFOC
 Sh. varicolored, m. sft. - m. hrd. -
 dns. earthy
 Ls. crm. - gry. hrd. dns. veg. mxln. -
 mic. NONSFOC
 Sh. gry. gm. - rd. brn. - mar. m. sft. -
 dns. occ. sft. earthy
 Sh. A.A.
 Ls. crm. - tan, hrd. dns. mxln. -
 mic. NONSFOC
 Sh. gry. - rd. brn. - mar. m. sft. - m. hrd. -
 sft. - sandy, hack. - earthy
 Ls. crm. - tan, hrd. dns. mxln. mic. -
 tr. chky. tr. chky. NONSFOC
 Sh. gry. - gry. gm. - tr. rd. brn. - m.
 hrd. - m. sft. dns. sft. - sandy.
 earthy - hackly
 Ls. tr. A.A. mic. NONSFOC
 Sh. A.A. more rd. brn. - mar.
 Ls. crm. - tan, hrd. dns. veg. -
 mxln. mic. NONSFOC
 tr. Ls. A.A. NONSFOC
 Sh. gry. - gry. gm. - mar. - rd. brn. -
 m. hrd. m. sft. - m. hrd. dns. -
 occ. sft. earthy - hackly
 Sh. gry. gm. - dk. gry. m. hrd. - m. sft. -
 dns. occ. sandy. earthy
 tr. Ls. crm. hrd. dns. mxln. mic.
 pebbles? NONSFOC
 Sh. gry. gm. - dk. gry. occ. rd. brn.
 occ. sandy. m. sft. - m. hrd. earthy
 Ls. tr. A.A. poss. pebb. NONSFOC
 Sh. gry. - gm. gm. - rd. brn. - m. sft. -
 m. hrd. dns. tr. sft. earthy
 Ls. crm. hrd. dns. veg. mxln. mic
 sh. stnd. occ. pebb. NONSFOC
 tr. Ls. A.A. NONSFOC
 Sh. gry. gm. - dk. gry. - rd. brn. m. sft. -
 m. hrd. dns. earthy. - hackly
 tr. sandy.
 Sh. A.A. occ. blk. carb.
 Ls. tan, hrd. dns. mxln. mic
 pyx. Not foss. NONSFOC
 ABUN. CARINGS
 Ls. crm. - tan, A.A. occ. sft. + chky
 veg. mxln. Not foss. NONSFOC
 Ls. tan - brn. hrd. dns. veg. mxln. -
 mic. 1-2 pc. wl. pr. tr. yug moldic
 (p.) tr. brn. stn. tr. cut fl. tr.
 gd. odor. No F.O. Vary WEAK SHOW
 Sh. dk. gry. gm. - blk. m. hrd. dns. pyx. -
 hack. carb.
 Sh. gry. gm. - blk. - rd. brn. m. hrd. -
 m. sft. dns. occ. chky. pebb. hack.
 Ls. crm. - tan, hrd. dns. mxln. mic.
 tr. foss. pebb. NONSFOC
 Sh. A.A.
 Ls. crm. - tan, hrd. sft. dns. veg. -
 mxln. mic. tr. chky. occ. chky.
 NONSFOC
 Sh. varicolored. m. sft. - m. hrd. -
 dns. occ. sandy. tr. chky. pebb. hack.
 Ls. crm. - tan, hrd. dns. veg. mxln. -

Pawnee Ls. (-1807')

Ft. Scott Ls. (-1884')

Cherokee Sh. (-1909')

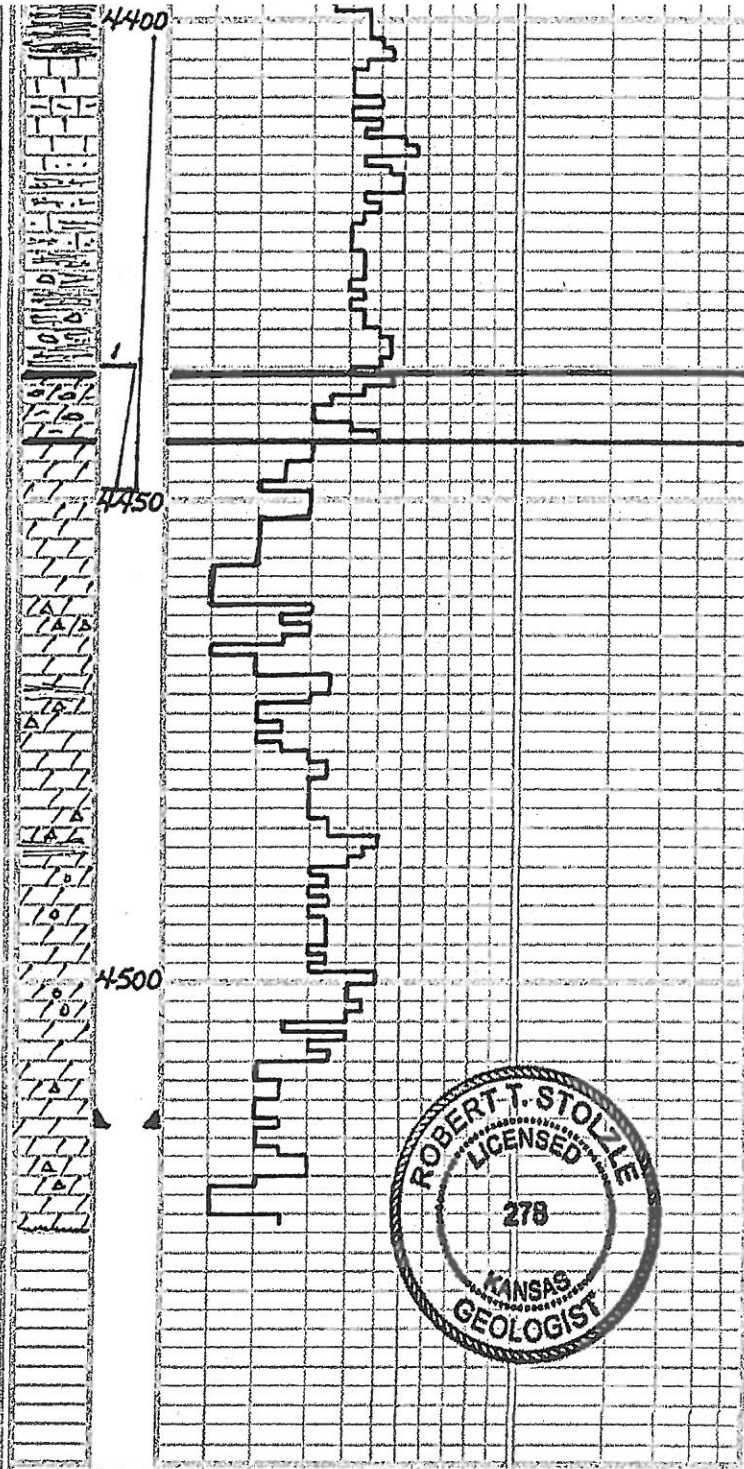
Mud chack @ 4412'

M. W. 9.5 solids 8.4%

Vis. 43 LCM 1/2"

W.L. 12.8

Ch. 3,000



mic. NPNSFOC DST # 4436 -
 Shi. Varic. / Cg. A.P., occ. ch. pebb., 4439'
 PACK. REC. 94' CO.
 Ls. crm. - tan, hrd, dns, vfg - mx/n, 63' OCM
 occ. sft. chik. NO NSFOC 63' MCO
 Shi. A.P., occ. vstf., clayey

 Ls. crm., m. sft. - hrd, dns, vfg - mx/n,
 fr. mic., tr. sft. + chik. NO NSFOC DST # 4436-49'
 Cg. / sh. gray, qn - dk. qn. - rd. brn., m. PACKER FAILURE
 sft., sndy. - v. sndy., e. ar. m. Deviation 34°
 Ls. crm., hrd. - sft. + chik, dns, vfg -
 mx/n, occ. v. sndy., sh. sndy. NO NSFOC
 Cg. / sh. Varic., occ. sndy., occ. ch.
 + Ls. pebb. NO NSFOC (-1978)
 Dol. wh - crm., hrd, dns, vfg. x/n, occ. Miss. Warsaw Fm.
 gd - ex. moldic ϕ - 2 pr. m., dk. brn. Fair - Good Show
 brk. sft., gd - ex. cut + fl. No F.O. Miss. Parasitey
 gd. ool. - 2 pr. barren ϕ (1985)
 Dol. A.P., vfg x/n - fr. v. faint in ϕ , gd. Good Show
 sft., tr. F.O. gd. ool. cut + fl.
 Dol. wh - crm., hrd - m. sft., vfg x/n.
 occ. rexled, tr. gd. vug. ϕ , pr. Fair Show
 No intx/n. ϕ , gd. sft., ool. cut + fl.
 Sli. wkr. than above, poss. wgr.
 Dol. wh - crm., hrd - sft. + chik, tan/n Weak Show
 mx/n + mic., occ. rexled, tr. ch.
 fr. vug. ϕ , pr. intx/n. ϕ , lt. sft., wk. cut + fl., wk. ool., some barren ϕ
 Dol. wh - crm., hrd - m. hrd, vfg -
 mx/n, tr. mic., occ. ch. - fr. vug. Mud Check @ 4449
 ϕ No intx/n. ϕ , lt. sft., wk. cut + fl. M.W. 9.6
 fl., \pm 50% barren ϕ v. wk. show Vi S. 49
 Dol. wh - crm., hrd, dns, vfg - mx/n, w.t. 9.2
 mic. - tr. ch., occ. fr. vug. ϕ , tr. Ch. 2.800
 dk. sft., wk. cut + fl., most ϕ Solids 9.0%
 barren Very Weak Show LCM 1/2#
 Dol. crm., hrd - m. sft. + tr. n., vfg - mx/n
 mic. - tr. rexled, tr. ool., occ. fr.
 vug. ϕ , w/dk. ool. sft., wk. cut + fl.
 most ϕ barren Very Weak Show
 Dol. wh - crm., hrd - sft. + chik, vfg -
 mx/n + mic., occ. rexled, tr. pr.
 intx/n, fr. vug. moldic ϕ , tr. dk.
 lt. brn. sft. - 32% smp. v. wk. show
 Dol. wh - crm., hrd, vfg - mx/n, tr. mic.
 occ. gd - ex. vug. ϕ , tr. rexled, tr. vfg
 intx/n. ϕ , tr. wk. sft., wk. cut + fl.
 wk. ool., most ϕ barren v. wk. show
 Dol. crm., vfg - mx/n, mic., tr. ch.
 tr. fr. - gd. vug. ϕ w/ v. wk. show
 D.T.D. 4525'
 L.T.D. 4527'
 Deviation 1°
 Robert Stolze
 4/11/11