



KANSAS CORPORATION COMMISSION 1052924
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: Jerry Smith
Purchaser: N/A

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 #: _____
3/05/2011 3/14/2011 3/15/2011
Spud Date or Date Reached TD Completion Date or
Recompletion Date Recompletion Date

API No. 15 - 15-135-25218-00-00
Spot Description: 70' S. of C W/2 W/2 SW N2NWSWSW
N2 - NW - SW - SW Sec. 21 Twp. 17 S. R. 25 East West
1,250 Feet from North / South Line of Section
330 Feet from East / West Line of Section
Footages Calculated from Nearest Outside Section Corner:
 NE NW SE SW
County: Ness
Lease Name: Mishler Trust 'E' Well #: 1
Field Name: _____
Producing Formation: N/A
Elevation: Ground: 2485 Kelly Bushing: 2490
Total Depth: 4464 Plug Back Total Depth: _____
Amount of Surface Pipe Set and Cemented at: 253 Feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set: _____ Feet
If Alternate II completion, cement circulated from: 253
feet depth to: _____ w/ 170 sx cmt.

Drilling Fluid Management Plan
(Data must be collected from the Reserve Pit)
Chloride content: 5500 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 Garrison Date: _____



1052924

Operator Name: Pickrell Drilling Company, Inc. Lease Name: Mishler Trust 'E' Well #: 1
 Sec. 21 Twp. 17 S. R. 25 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 <i>(Attach Additional Sheets)</i>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Name	Top	Datum
Cores Taken	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Anhydrite	1804	+686
Electric Log Run	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Heebner	3809	-1319
Electric Log Submitted Electronically <i>(If no, Submit Copy)</i>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Lansing	3851	-1361
List All E. Logs Run:		Stark	4088	-1598
Radiation Guard		Fort Scott	4343	1853
		Cherokee Shale	4369	-1879
		Mississippi	4447	-1957

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	8.6250	23	253	Class A	170	2% gel, 3% CC

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate <input type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone	-	60-40 poz	280	4% gel w/1/4#FC/sx for P&A of well
	-			

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)</i> <i>(Submit ACO-4)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
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ALLIED CEMENTING CO., LLC. 038717

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

SERVICE POINT:
Great Bend

DATE <u>3-5-11</u>	SEC. <u>21</u>	TWP. <u>17S</u>	RANGE <u>2W</u>	CALLED OUT	ON LOCATION	JOB START <u>1130pm</u>	JOB FINISH <u>1200 am</u>
LEASE <u>Mishler Trust E</u>	WELL# <u>1</u>	LOCATION <u>Ness city KS west to HRD</u>			COUNTY <u>Ness</u>	STATE <u>KS</u>	
OLD OR NEW (Circle one)			<u>8 North East into</u>				

CONTRACTOR Pickwell Rig 10
 TYPE OF JOB Surface
 HOLE SIZE 12 1/4 T.D. 258
 CASING SIZE 8 3/8 DEPTH 253
 TUBING SIZE DEPTH
 DRILL PIPE DEPTH
 TOOL DEPTH
 PRES. MAX MINIMUM
 MEAS. LINE SHOE JOINT
 CEMENT LEFT IN CSG. 15
 PERFS.
 DISPLACEMENT 15.25 BBHs

EQUIPMENT
 PUMP TRUCK CEMENTER Wayne - D
 # 366 HELPER G-c
 BULK TRUCK
 # 482 DRIVER CJ
 BULK TRUCK
 # DRIVER

REMARKS:
Pipe on Bottom Break circulation
with Rig mud
Hook up to cement line Run 5 BBL
Spacer Mix 1705X Class A 3% cc +
2% Gel
Displace 15.25 BBHs fresh water -
Shut in Cement did circulate
Rig Down

CHARGE TO: Pickwell Drilling
 STREET _____
 CITY _____ STATE _____ ZIP _____

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

OWNER Pickwell 0-111-2
 CEMENT
 AMOUNT ORDERED 1705X Class A
3% cc + 2% Gel

COMMON	<u>170</u>	@	<u>16.25</u>	<u>2,762.50</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>179 x 1.84.11</u>			<u>354.42</u>
TOTAL				<u>3,932.62</u>

SERVICE

DEPTH OF JOB	<u>253</u>		
PUMP TRUCK CHARGE			<u>1125.00</u>
EXTRA FOOTAGE		@	
MILEAGE Heavy	<u>36</u>	@	<u>7.00</u>
MANIFOLD		@	
Mileage light	<u>36</u>	@	<u>4.00</u>
TOTAL <u>1521.00</u>			

PLUG & FLOAT EQUIPMENT
 _____ @ _____
 _____ @ _____
 _____ @ _____
 _____ @ _____
 _____ @ _____

ALLIED CEMENTING CO., LLC. 038776

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

SERVICE POINT:
Great Bend

DATE <u>3-15-11</u>	SEC. <u>21</u>	TWP. <u>17</u>	RANGE <u>25</u>	CALLED OUT	ON LOCATION	JOB START <u>5:00 AM</u>	JOB FINISH <u>6:00 AM</u>
LEASE <u>Mishaw Forest</u>	WELL# <u>1</u>	LOCATION <u>Ness city west to HRD</u>			COUNTY <u>Ness</u>	STATE <u>KS</u>	
OLD OR <u>NEW</u> (Circle one)		LOCATION <u>8 North East to</u>					

CONTRACTOR Pickwell R210 OWNER Pickwell

TYPE OF JOB Rotary Plus

HOLE SIZE <u>7 3/4</u>	T.D. <u>4464</u>
CASING SIZE	DEPTH
TUBING SIZE	DEPTH
DRILL PIPE <u>4 1/2</u>	DEPTH <u>1830</u>
TOOL	DEPTH
PRES. MAX	MINIMUM
MEAS. LINE	SHOE JOINT
CEMENT LEFT IN CSG.	
PERFS.	
DISPLACEMENT	

CEMENT
AMOUNT ORDERED 280 SK 60/40 + 4% Gel + 1/4 flo seal

COMMON	<u>168</u>	@ <u>16.25</u>	<u>2730.00</u>
POZMIX	<u>112</u>	@ <u>8.50</u>	<u>952.00</u>
GEL	<u>9</u>	@ <u>21.25</u>	<u>191.25</u>
CHLORIDE		@	
ASC		@	
<u>Flo seal</u>	<u>70#</u>	@ <u>2.70</u>	<u>189.00</u>
		@	
		@	
		@	
		@	
		@	
		@	
HANDLING	<u>292</u>	@ <u>2.25</u>	<u>657.00</u>
MILEAGE	<u>292 x 17 x .11</u>		<u>546.04</u>
TOTAL			<u>5265.29</u>

EQUIPMENT

PUMP TRUCK	CEMENTER <u>Wayne</u>
# <u>366</u>	HELPER <u>Bob-R</u>
BULK TRUCK	
# <u>344</u>	DRIVER <u>Guey</u>
BULK TRUCK	
#	DRIVER

REMARKS:

<u>1</u> plus <u>1830</u> mix <u>50SK</u>
<u>2nd</u> plus <u>1090</u> mix <u>80SK</u>
<u>3rd</u> plus <u>600</u> mix <u>50SK</u>
<u>4th</u> plus <u>280</u> mix <u>50SK</u>
<u>5th</u> plus <u>60</u> mix <u>20SK</u>
<u>Rot hole</u> mix <u>30SK</u>

SERVICE

DEPTH OF JOB	<u>1830</u>		
PUMP TRUCK CHARGE			<u>1250.00</u>
EXTRA FOOTAGE		@	
MILEAGE	<u>34</u>	@ <u>7.00</u>	<u>238.00</u>
MANIFOLD		@	
<u>Light Tower mileage</u>	<u>34</u>	@ <u>4.00</u>	<u>136.00</u>
		@	

CHARGE TO: Pickwell

STREET _____

CITY _____ STATE _____ ZIP _____

TOTAL 1624.00

PLUG & FLOAT EQUIPMENT

	@	
	@	
	@	
	@	

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



JERRY A. SMITH

CERTIFIED PETROLEUM GEOLOGIST

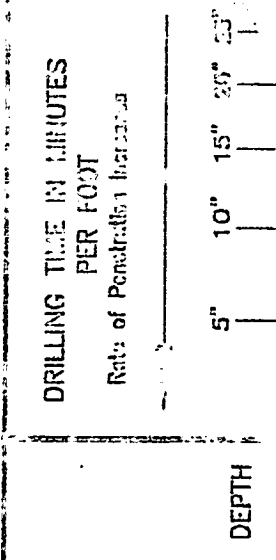
GEOLOGIST'S REPORT DRILLING TIME and SAMPLE LOG

COMPANY: PICKRELL DRILLING CO., INC		ELEVATIONS
LEASE: #1 MISHLER TRUST "E"		K.B. 2490
FIELD: UNNAMED		D.F. 2488
LOCATION: 1260' FSL & 330' FWL		G.L. 2485
SEC. 21	TWSP. 17	RNG. 25 W
COUNTY: NESS		STATE: KANSAS
		Measurements Are All From: KB
CONTRACTOR: COMPANY TOOLS, RIG #10		CASING
SPUD: 3/5/11	COMP. 3/14/11	SURFACE: 8 5/8" @ 253'
RTD. 4464	LTD. 4464	PRODUCTION: NONE
MUD UP: 3500	TYPE MUD: CHEMICAL	ELECTRICAL SURVEYS
API No. 15-135-25218		SUPERIOR: RAG
SAMPLES SAVED FROM: 3700'		TO: RTD
DRILLING TIME KEPT FROM: 3600'		TO: RTD
SAMPLES EXAMINED FROM: 3700'		TO: RTD
GEOLOGICAL SUPERVISION FROM: 3400'		TO: RTD
GEOLOGIST ON WELL: JERRY A. SMITH		

FORMATION TOPS	LOG	SAMPLES
ANHYDRITE	1804 (+686)	1805 (+685)
HEEBNER	3809 (-1319)	3809 (-1319)
LANSING	3851 (-1361)	3850 (-1360)
B/KANSAS CITY	4145 (-1655)	4147 (-1657)
PAWNEE	4275 (-1785)	4275 (-1785)
FT. SCOTT	4343 (-1853)	4343 (-1853)
CHEROKEE	4369 (-1879)	4370 (-1880)
MISSISSIPPIAN	4447 (-1957)	4447 (-1957)

LEGEND

	Dolomite
	Chert
	Gal. Lime
	Limestone
	Carb. sh.
	Shale
	Sandstone
	Salt
	Anhydrite

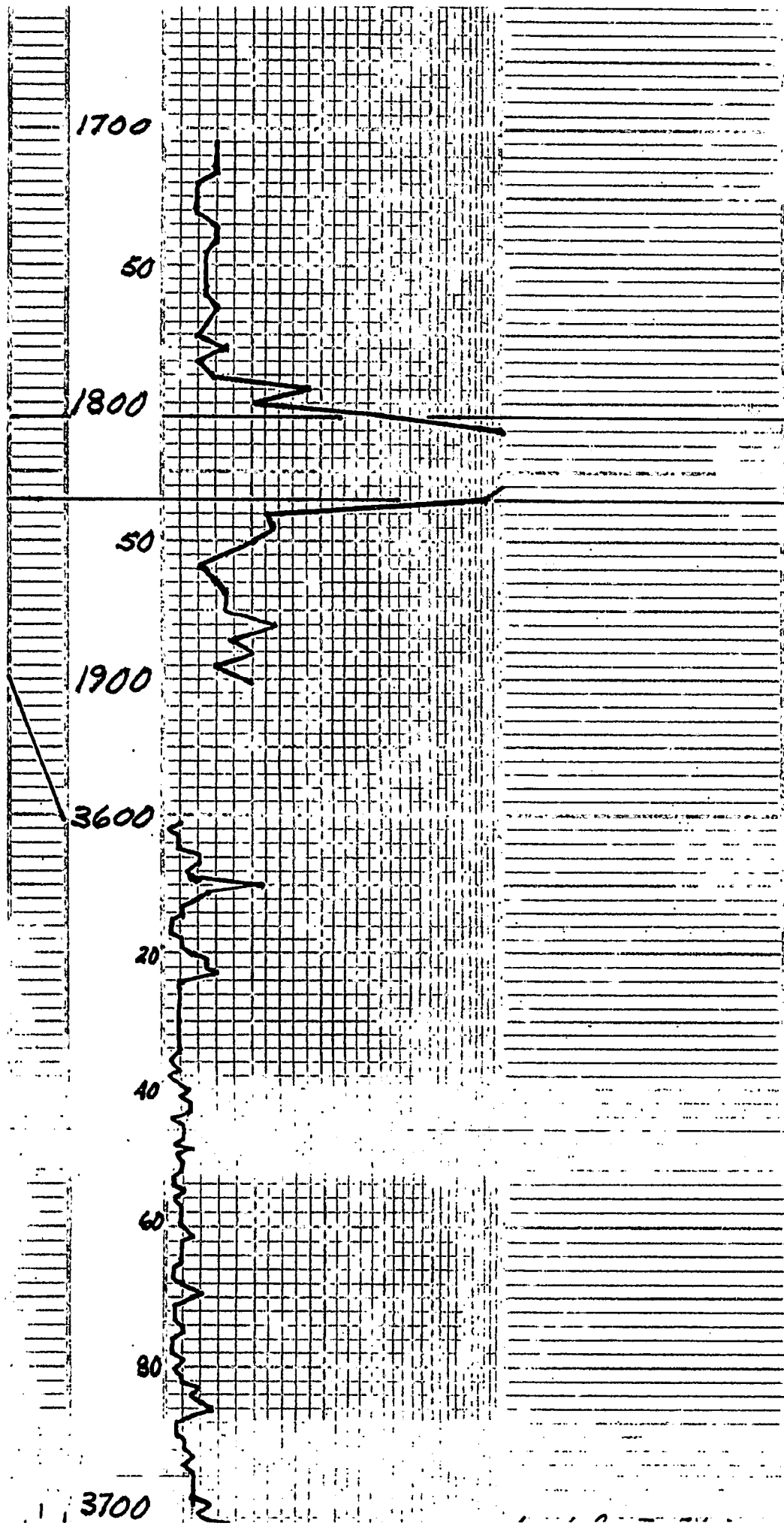


REMARKS

SAMPLE DESCRIPTIONS

NO GAS DETECTOR
DST'S (3): TRILOBITE
MUD: MUD-CO/SERVICE MUD
BIT TRIP @ 3895'
S.H.T.'S:

LITHCLOGY



161'	3/4"
1262'	1 1/4"
1762'	3/4"
2262'	1/2"
2762'	3/4"
3895'	3/4"
4372'	3/4"

ANHYDRITE
 1805 (+685) SMPL
 1804 (+686) LOG

B/ANHYDRITE
 1835 (+655) SMPL
 1832 (+658) LOG

VERT. LOG SCALE: 5' = 100'

S. ATT. V. G. D. N.S. V. C. M. S.

Ln = AA.

Ln = Crm, Th, FX, DSE -
TR. INFLUEN. N.S.

Ln = Crm, Th, FX, DSE.

Ln = AA. w/ SEAT DR BY
SH.

Ln = Th, FX, Foss. DSE.

Ln = Crm, Th, FX, DSE /
CRAY, w/ SEAT CRAY, OR,
SH, DSE, CH.

Ln = AA.

Ln = AA.

Ln = Crm, Th, FX, Foss. In P.
DSE - SEAT CRAY, OR,
N.S. ADD DR BY, CR - ON
SH.

Ln = AA.

SH = GR, CRAB.
Ln = Cr, GY, FX, DSE.

SH = DR BY, GY - GN.

Ln = Th, M BY, FX, DSE.

Ln = Crm, Lr, GY, FX,
DSE.

Ln = Crm, Lr, GY, FX, DSE.

Ln = Crm, Lr, GY, FX,
DSE - SEAT CRAY, OR,
SH, DSE, CH.

Ln = AA. w/ SEAT DR BY
SH.

Ln = Crm, Lr, GY, FX, DSE,
w/ SEAT CRAY - AA.

Ln = Crm, Th, FX, DSE.

SH = DR BY.

Ln = AA.

Ln = Crm, Th, FX, DSE.

20

40

60

80

3800

20

40

60

80

3900

20

HEEBNER
3809 (-1319) SMPL & LOG

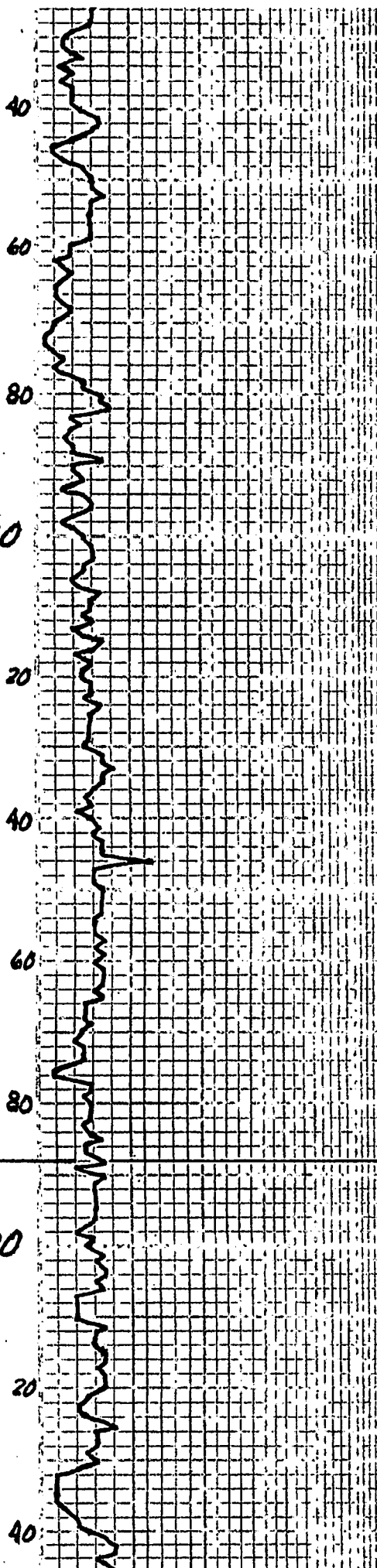
LANSING
3850 (-1360) SMPL
3851 (-1361) LOG

MUD @ 3915':
9.0 WT, 47 VIS, 10.4 FILT,
7200 CHLOR, TR LCM



4000

4100



Ln = L₂ - M. Gy. FX. DSE.

Ln = AA.

Ln = AA.

Ln = AA w/ M. Gy. Gy = Gn

Ln = CRM, L₂ Gy. FX
GNT. w/ FR. Domo. p.

Ln = CRM, TN. FX. DSE.

Ln = CRM, F. FX. DSE.
SP. Foss.

Ln = CRM, TN. FX. DSE.
w/ SCAR CUT. L₂ Gy,
1000, SH. DSE.

Ln f. SCAR CUT = AA.

Ln = CRM, F. P. DSE.
CUT. AA.

SH = DR Gy, Gy = Gn.

Ln = CRM, FX. No. DSE.

Ln = AA w/ SCAR, DR Gy
SH, No. Gn. SH.

Ln = CRM, FX. Foss.
CRKY. IN. FR. No. V.S. p.

Ln = CRM, L₂ Gy. FX
Foss. w/ FR. Domo.
p. No.

Ln = M. Gy. FX. DSE. w/
TN. IN. M. DR Gy. SH.

ADD DR Gy, Gy = Gn, Rd, DR SH.

Ln = CRM, L₂ Gy. FX
Foss. IN. FR. DSE.

SH = DR Gy, Gy = Gn.

Ln = CRM, FX. Foss.
DSE.

Ln = AA, SCAR Foss. MUD
p. No.

SH = DR Gy, Gy = Gn. TR
FR. CADA. TN.

STARK
4088 (-1598) SMPL & LOG

B/KANSAS CITY

4147 (-1657) SMPL,
4145 (-1655) LOG

Lm = TN, Lr Gy, FX, DSE.
Sect. M. Gy, Org. Sp.
DSE. Chr. Abd. Gy, Sh.

Sh = Gy, Gy, Blk.

Lm = TN, M. Gy, FX, DSE.

Lm = AA. No.

Lm = AA. No.

Lm = Crm, TN, FX, SACT.
PR. Int. Len. P. No.

Lm = Crm, Lr Gy, Lr TN.
FX, DSE. No.

Lm = AA.

Lm = AA.

Lm = Crm, Lr TN, FX.
DSE. No. Vis. D.

Lm = AA.

Lm = Abd. / Abd. On Gy, d.
Gy. Sh. Sh.

Lm = Lr Gy, VFX, FX, DSE.
No.

Lm = AA.

Lm = AA.

Lm = AA.

Lm = Lr Gy, Gy, TN, FX.
DSE. No.

Lm = AA.

SN = Blk. Carb.

Lm = Lr Gy, FX, PR, VGY, D.
Wk. Door. Pa. Sh. FO.

Lm = AA, Pa, VGY, Int. Len. P.
PR. Abd. Pa. Sh. FO.

Lm = Lr Gy, VFX, DSE, M. Sh. V.
w/ Abd. Gy, Sh. Sh.

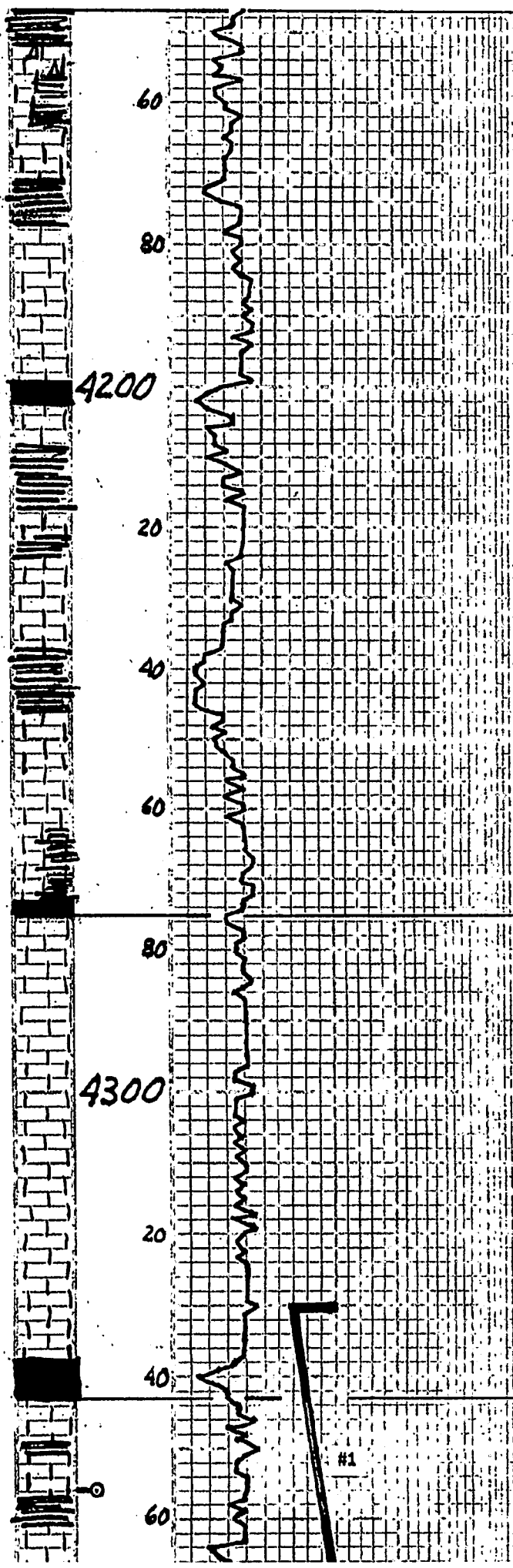
Lm = AA. w/ Abd. = Lr = M. Gy, FX.

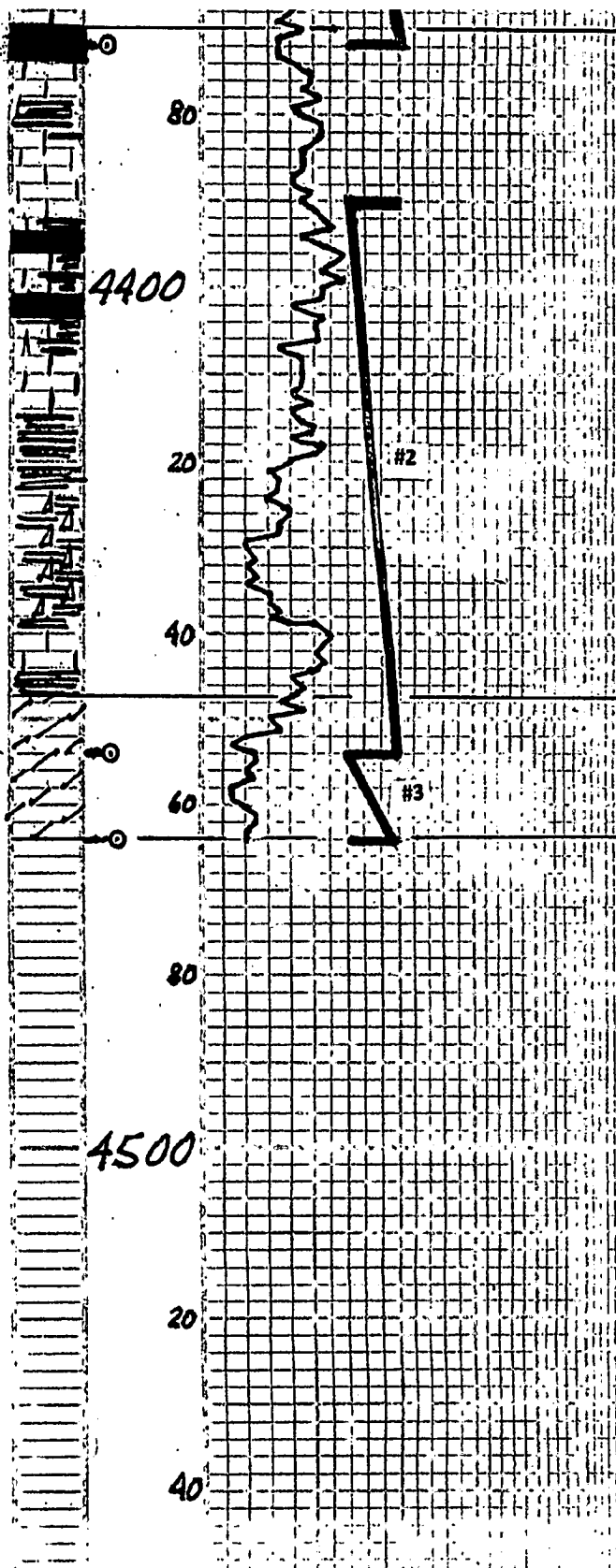
PAWNEE
4275 (-1785) SMPL & LOG

DST #1: 4330-72
30-30-15-0
IF: WK BLO. DEAD IN 10 MIN.
ISI: DEAD
FF: DEAD. FLUSH TOOL
SURGE. DEAD
REC: 7' MUD
SIP'S: 98-No FSIP #
FP'S: 17-18/18-20 #
HP'S: 2154-2052 #
BHT: 111' F

FT. SCOTT
4343 (-1853) SMPL & LOG

MUD @ 4348':
9.4 WT, 51 VIS, 8.8 FILT,
5500 CHLOR, 0 LCM





SN - Blk, Carb.
 Lm - Lr - M.G. FX. DSE. TR WH, CUKY Lm.
 SN - M - DR Gy, Gr-Gn, Rd.
 Lm - Lr. Gr. FX. DSE. Ho.
 Lm - AA.
 SN - M - DR Gy, Gr-Gn, Blk, MARON. GRDY.
 SN - AA. w/ CNF. WH, Lr Gy, DR. TR. - / Blk, RSD. SN.
 Lm - Cen. Lr. FX. DSE. DSE. M. P. No. ODR.
 DOD - Gy. M. Ed. FLY. SW. No. AD.
 DOD - M. Gr. Lr. FX. DSE. SW. No. AD.

CHEROKEE SHALE
 4370 (-1880) SMPL
 4369 (-1879) LOG
 PIPE STRAP @ 4372':
 4388.26 STRAP
 4387.78 BOARD
 .48 LONG

DST #2: 4390-4454
 30-30-15-0
 IF: DEAD
 ISI: DEAD
 FF: DEAD. FLUSH TOOL
 SMALL SURGE. DEAD
 REC.: 1' FO
 12' VSOCM (1% O, 99% M)
 SIP'S: 272-No FSIP #
 FP'S: 34-37/37-38 #
 HP'S: 2229-2124 #
 BHT: 111° F

MISSISSIPPIAN
 4447 (-1957) SMPL & LOG

TOTAL DEPTH
 4464 (-1974) ROTARY & LOG
 MUD @ 4464':
 9.5 WT, 45 VIS, 10.4 ILT,
 5500 CHLOR, TR LCM

DST #3: 4454-64
 30-60-90-90
 IF: STR BLO. BOB IN 1 MIN
 ISI: DEAD.
 FF: STR BLO. BOB IN 1 MIN.
 FSI: DEAD.
 REC.: 2280' SW W/OIL SCUM
 (REVERSED OUT)
 1/2' FO.
 SIP'S: 1253-1254 #
 FP'S: 150-520/592-1069 #
 HP'S: 2242-2148 #
 BHT: 130° F

DEPTH	DRILLING TIME MINUTES/FOOT	SAMPLE DESCRIPTIONS	REMARKS



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Fickrell Drilling Company, Inc

#1 Mishler 'E'

100 S. Main
Suite 505
Wichita, KS. 67202
ATTN: Jerry Smith

21-17s-25w-Ness

Job Ticket: 41722

DST#: 1

Test Start: 2011.03.12 @ 19:25:06

GENERAL INFORMATION:

Formation: **Ft. Scott**

Deviated: **No** Whipstock: **ft (KB)**

Time Tool Opened: 21:37:36

Time Test Ended: 01:03:21

Test Type: **Conventional Bottom Hole**

Tester: **Jason McLemore**

Unit No: **54**

Interval: **4330.00 ft (KB) To 4372.00 ft (KB) (TVD)**

Total Depth: **4372.00 ft (KB) (TVD)**

Hole Diameter: **7.80 inches** Hole Condition: **Good**

Reference Elevations: **2490.00 ft (KB)**

2485.00 ft (CF)

KB to GR/CF: **5.00 ft**

Serial #: 8673

Inside

Press@RunDepth: **18.31 psig @ 4366.00 ft (KB)**

Start Date: **2011.03.12**

End Date:

2011.03.13

Start Time: **19:25:08**

End Time:

01:03:21

Capacity: **8000.00 psig**

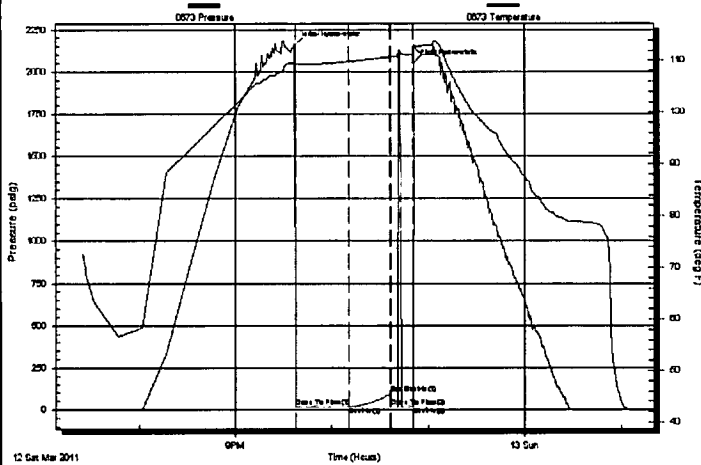
Last Calib.: **2011.03.13**

Time On Btm: **2011.03.12 @ 21:37:21**

Time Off Btm: **2011.03.12 @ 22:51:06**

TEST COMMENT: IFF-w eak Blow ,Died in 10 Mn.
ISI-Dead
FFP-Dead,Flush Tool,Surge,Then Died,Pull Tool

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2154.26	109.63	Initial Hydro-static
1	17.20	108.89	Open To Flow (1)
34	18.31	109.82	Shut-In(1)
59	97.82	110.73	End Shut-In(1)
60	18.09	110.71	Open To Flow (2)
74	19.73	111.30	Shut-In(2)
74	2052.06	112.21	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
7.00	Drilling Mud	0.10

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Pickrell Drilling Company, Inc
100 S. Main
Suite 505
Wichita, KS. 67202
ATTN: Jerry Smith

#1 Mishler 'E'
21-17s-25w-Ness
Job Ticket: 41722 **DST#: 1**
Test Start: 2011.03.12 @ 19:25:06

Mud and Cushion Information

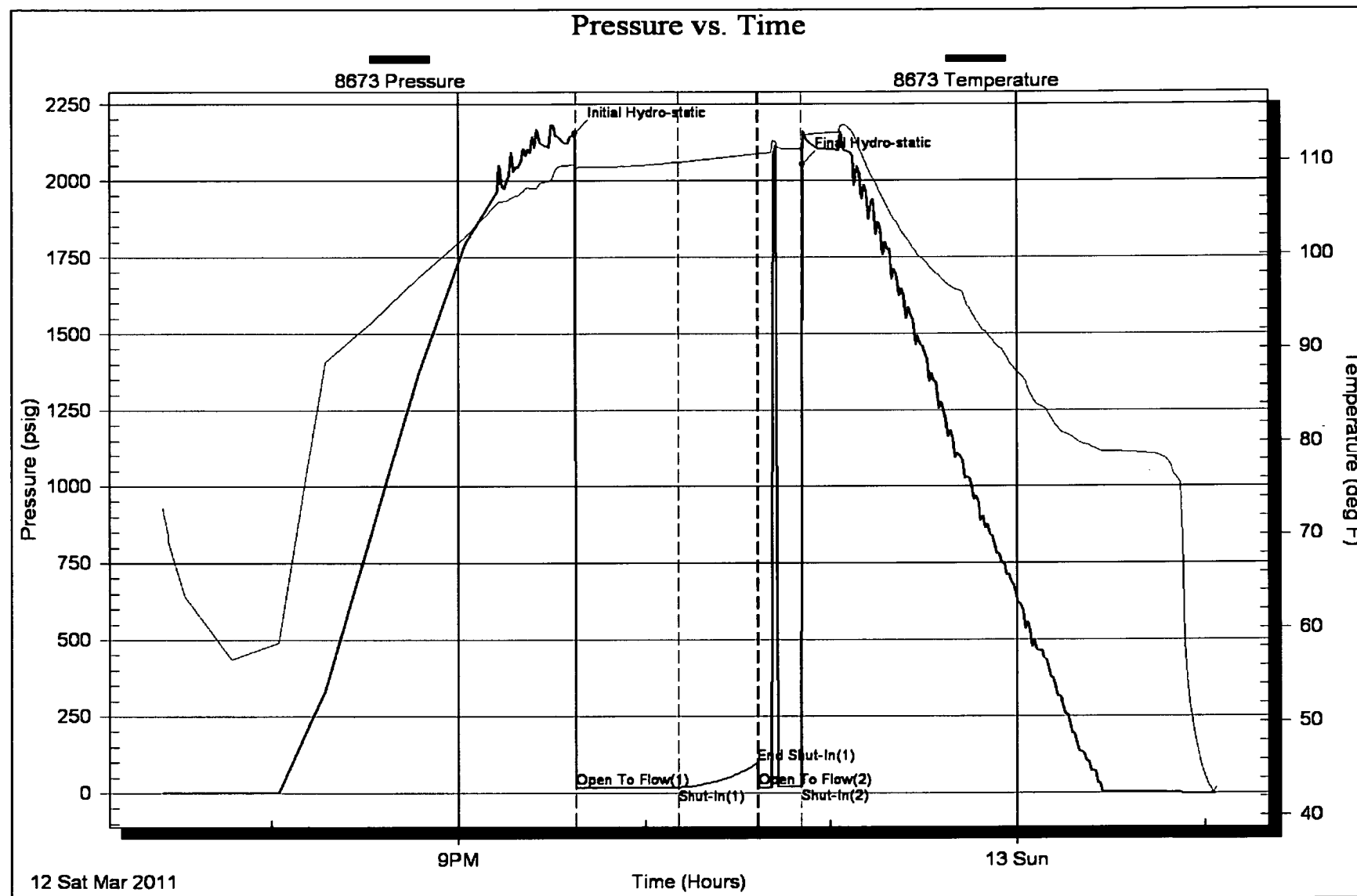
Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 51.00 sec/qt	Cushion Volume: bbl		
Water Loss: 8.79 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 5500.00 ppm			
Filter Cake: inches			

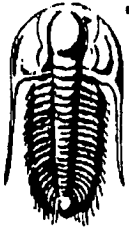
Recovery Information

Recovery Table

Length ft	Description	Volume bbl
7.00	Drilling Mud	0.098

Total Length: 7.00 ft Total Volume: 0.098 bbl
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:





**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Pickrell Drilling Company, Inc
100 S. Main
Suite 505
Wichita, KS. 67202
ATTN: Jerry Smith

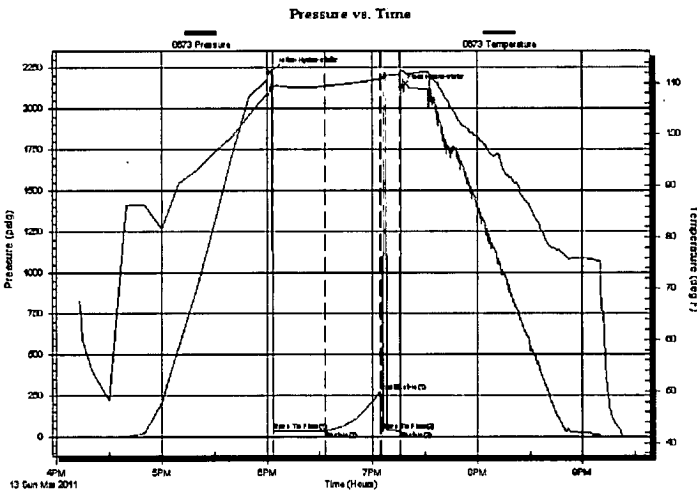
#1 Mishler 'E'
21-17s-25w-Ness
Job Ticket: 41723 **DST#: 2**
Test Start: 2011.03.13 @ 16:12:58

GENERAL INFORMATION:

Formation: **Mississippi**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 18:03:28
Time Test Ended: 21:23:13
Interval: **4390.00 ft (KB) To 4454.00 ft (KB) (TVD)**
Total Depth: 4454.00 ft (KB) (TVD)
Hole Diameter: 7.80 inches Hole Condition: Good
Test Type: Conventional Bottom Hole
Tester: Jason McLemore
Unit No: 54
Reference Elevations: 2490.00 ft (KB)
2485.00 ft (CF)
KB to GR/CF: 5.00 ft

Serial #: 8673 Inside
Press@RunDepth: 36.82 psig @ 4426.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2011.03.13 End Date: 2011.03.13 Last Calib.: 2011.03.13
Start Time: 16:13:00 End Time: 21:23:13 Time On Btm: 2011.03.13 @ 18:03:13
Time Off Btm: 2011.03.13 @ 19:16:13

TEST COMMENT: IFF-Weak, Surge on Open, Dead
ISI-Dead
FFP-Dead, Flush Tool, Still Dead After Surge, Pull Tool



PRESSURE SUMMARY

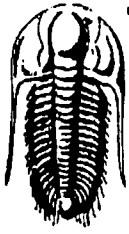
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2229.28	109.96	Initial Hydro-static
1	34.47	109.14	Open To Flow (1)
30	36.82	109.42	Shut-In(1)
61	271.57	110.74	End Shut-In(1)
62	36.64	110.69	Open To Flow (2)
73	37.67	111.61	Shut-In(2)
73	2124.10	112.73	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
1.00	Free Oil	0.01
12.00	VSOCM-1%O-99%M	0.17

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Pickrell Drilling Company, Inc
100 S. Main
Suite 505
Wichita, KS. 67202
ATTN: Jerry Smith

#1 Mishler 'E'
21-17s-25w-Ness
Job Ticket: 41723 **DST#: 2**
Test Start: 2011.03.13 @ 16:12:58

Mud and Cushion Information

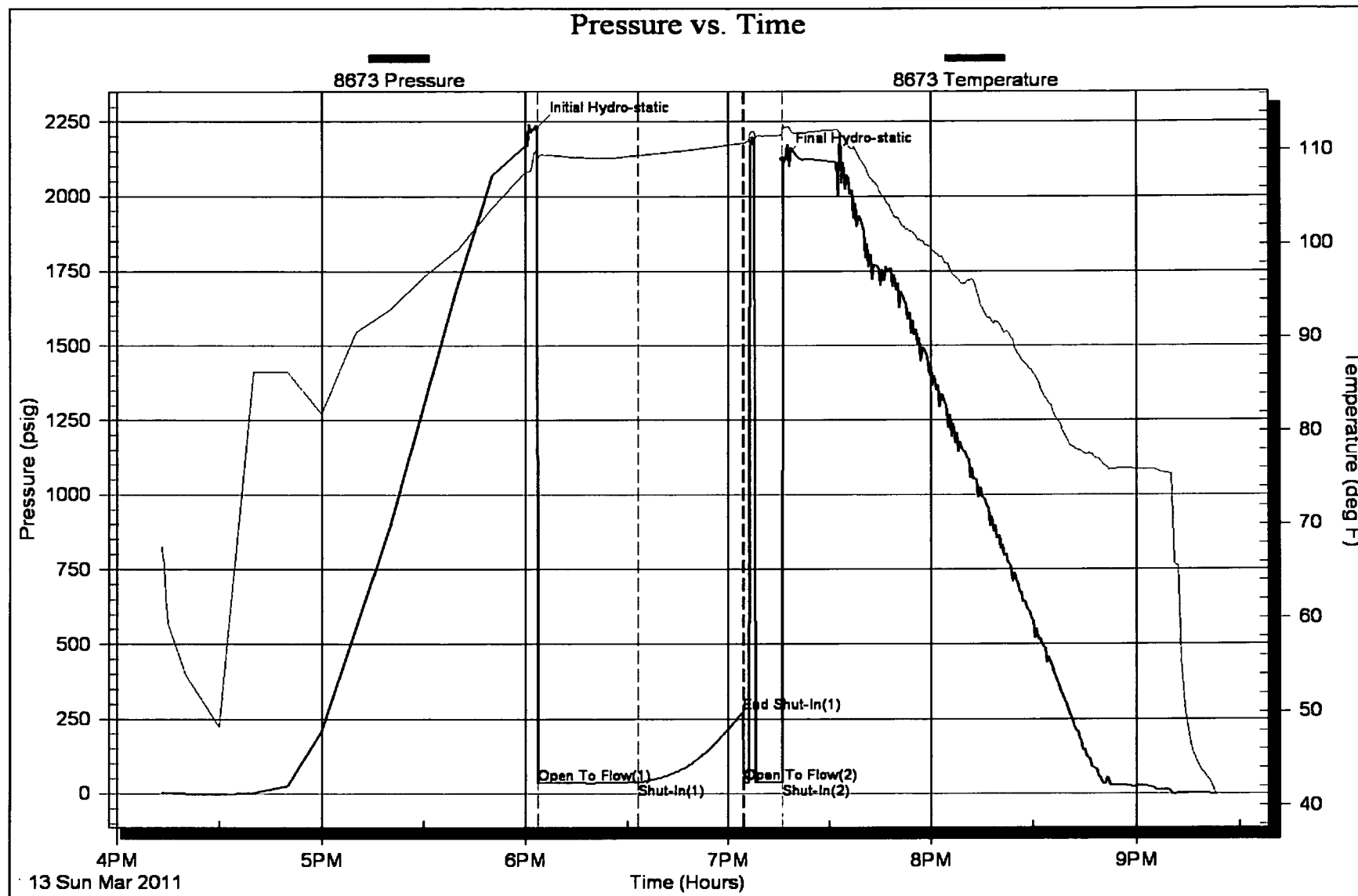
Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 10.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 54.00 sec/qt	Cushion Volume: bbl		
Water Loss: 9.19 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 5500.00 ppm			
Filter Cake: inches			

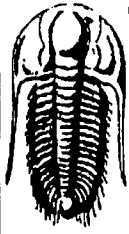
Recovery Information

Recovery Table

Length ft	Description	Volume bbl
1.00	Free Oil	0.014
12.00	VSOCM-1%O-99%M	0.168

Total Length: 13.00 ft Total Volume: 0.182 bbl
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:





**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Pickrell Drilling Company, Inc

100 S. Main
Suite 505
Wichita, KS. 67202
ATTN: Jerry Smith

#1 Mishler 'E'

21-17s-25w-Ness

Job Ticket: 41724

DST#: 3

Test Start: 2011.03.14 @ 03:44:06

GENERAL INFORMATION:

Formation: **Mississippi**

Deviated: **No** Whipstock: **ft (KB)**

Time Tool Opened: 07:34:51

Time Test Ended: 16:17:06

Test Type: **Conventional Bottom Hole**

Tester: **Jason McLemore**

Unit No: **54**

Interval: **4454.00 ft (KB) To 4464.00 ft (KB) (TVD)**

Total Depth: **4464.00 ft (KB) (TVD)**

Hole Diameter: **7.80 inches** Hole Condition: **Good**

Reference Elevations: **2490.00 ft (KB)**

2485.00 ft (CF)

KB to GR/CF: **5.00 ft**

Serial #: 8673

Inside

Press@RunDepth: **1069.12 psig @ 4457.00 ft (KB)**

Capacity: **8000.00 psig**

Start Date: **2011.03.14**

End Date:

2011.03.14

Last Calib.: **2011.03.14**

Start Time: **03:44:08**

End Time:

16:17:06

Time On Btm: **2011.03.14 @ 07:33:51**

Time Off Btm: **2011.03.14 @ 12:09:51**

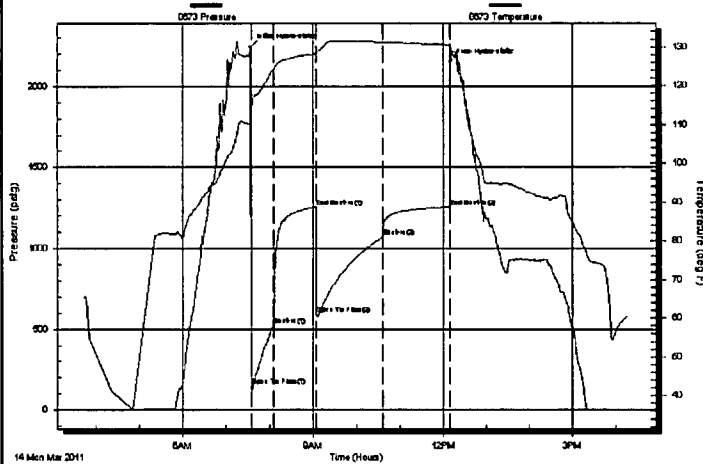
TEST COMMENT: IFF-Strong, BOB in 1 Mn.

ISI-Dead

FFP-Strong, BOB in 1 Mn.

FSI-Dead

Pressure vs. Time



PRESSURE SUMMARY

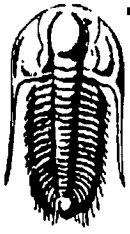
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2241.97	111.10	Initial Hydro-static
1	149.97	112.55	Open To Flow (1)
32	519.96	124.14	Shut-In(1)
91	1252.53	128.14	End Shut-In(1)
92	592.20	128.16	Open To Flow (2)
183	1069.12	131.22	Shut-In(2)
275	1253.57	130.47	End Shut-In(2)
276	2148.03	130.73	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
2280.00	Salt Water W/Oil Scum	31.98
0.50	Free Oil	0.01

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Pickrell Drilling Company, Inc
100 S. Main
Suite 505
Wichita, KS. 67202
ATTN: Jerry Smith

#1 Mishler 'E'
21-17s-25w-Ness
Job Ticket: 41724 **DST#: 3**
Test Start: 2011.03.14 @ 03:44:06

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	32000 ppm
Viscosity: 51.00 sec/qt	Cushion Volume: bbl		
Water Loss: 8.78 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 5500.00 ppm			
Filter Cake: inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
2280.00	Salt Water W/Oil Scum	31.982
0.50	Free Oil	0.007

Total Length: 2280.50 ft Total Volume: 31.989 bbl
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:

