

ORIGINAL 6/21/13

CONFIDENTIAL

**KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION
WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE**

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

OPERATOR: License # 4767
Name: Ritchie Exploration, Inc.
Address 1: P.O. Box 783188
Address 2: _____
City: Wichita State: KS Zip: 67278 + 3188
Contact Person: John Niernberger
Phone: (316) 691-9500
CONTRACTOR: License # 5929
Name: Duke Drilling Co., Inc.
Wellsite Geologist: Adam Eldani
Purchaser: MV Purchasing

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 #: _____
3/3/11 3/15/11 3/15/11
Spud Date or Date Reached TD Completion Date or
Recompletion Date Recompletion Date

API No. 15 - 057-20719-00-00
Spot Description: irregular section
_____ Sec. 9 Twp. 28 S. R. 22 East West
2,690 Feet from North / South Line of Section
2,130 Feet from East / West Line of Section
Footages Calculated from Nearest Outside Section Corner:
 NE NW SE SW
County: Ford
Lease Name: Maupin-Fisher Well #: 1
Field Name: _____
Producing Formation: Mississippian
Elevation: Ground: 2404 Kelly Bushing: 2416
Total Depth: 5208 Plug Back Total Depth: 5174
Amount of Surface Pipe Set and Cemented at: 343 Feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set: 1390 Feet
If Alternate II completion, cement circulated from: 1390
feet depth to: surface w/ 240 sx cmt.

Drilling Fluid Management Plan
(Data must be collected from the Reserve Pit)
Chloride content: 11800 ppm Fluid volume: 900 bbls
Dewatering method used: evaporation
Location of fluid disposal if hauled offsite: _____
Operator Name: _____
Lease Name: _____ License #: _____
Quarter _____ Sec. _____ Twp. _____ S. R. _____ East West
County: _____ Permit #: _____

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INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market - Room 2078, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. Information of side two of this form will be held confidential for a period of 12 months if requested in writing and submitted with the form (see rule 82-3-107 for confidentiality in excess of 12 months). One copy of all wireline logs and geologist well report shall be attached with this form. ALL CEMENTING TICKETS MUST BE ATTACHED. Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells.

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.
Signature: _____
Title: Production Manager Date: 6/21/11

KCC Office Use ONLY
 Letter of Confidentiality Received
Date: 6/21/11 - 6/21/13
 Confidential Release Date: _____
 Wireline Log Received
 Geologist Report Received
 UIC Distribution
ALT I II III Approved by: NJ Date: 6-27-11

Operator Name: Ritchie Exploration, Inc. Lease Name: Maupin-Fisher Well #: 1
 Sec. 9 Twp. 28 S. R. 22 East West County: Ford

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 Yes No
 (Attach Additional Sheets)

Samples Sent to Geological Survey Yes No

Cores Taken Yes No

Electric Log Run Yes No

Electric Log Submitted Electronically Yes No
 (If no, Submit Copy)

Log Formation (Top), Depth and Datum Sample
 Name Top Datum

SEE ATTACHED

List All E. Logs Run:
 Dual Induction Log
 Compensated Density/Neutron Log

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	12-1/4	8-5/8	24	343	class A	425	3%cc, 2% gel
Production	7-7/8	4-1/2	10.5	5204	ASC	200	10% salt, 1% gel, 5#/ax koiseal

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				

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	5080.5' - 5086' (3/31/11)	500 gallons 15% NE	

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TUBING RECORD: Size: <u>2-3/8"</u> Set At: <u>5150</u>		Packer At:	Liner Run: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumed Production, SWD or ENHR: <u>5/2/11</u>	Producing Method: <input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain) _____		
Estimated Production Per 24 Hours	Oil Bbls. <u>2.98</u>	Gas Mcf <u>12.69</u>	Water Bbls. <u>33.5</u> Gas-Oil Ratio _____ Gravity _____

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease (If vented, Submit ACO-18.)	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input checked="" type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled (Submit ACO-5) (Submit ACO-4) <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: CONFIDENTIAL <u>JUN 21 2013</u>
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#1 Maupin-Fisher

2690' FNL & 2130' FEL

Section 9-28S-22W

Ford County, Kansas

API# 15-057-20719-0000

Elevation: 2404' GL: 2416' KB

<u>Sample Tops</u>			<u>Ref.</u> <u>Well</u>
Anhydrite	1414'	+1002	-19
B/Anhydrite	1450'	+966	-10
Chase/Her	2597'	-181	-2
Stotler	3503'	-1087	+16
Heebner	4208'	-1792	-33
Lansing	4344'	-1928	-29
Muncie Shale	4524'	-2110	-27
Stark Shale	4663'	-2247	-26
Pawnee	4866'	-2450	-21
Cherokee Shale	4940'	-2524	-50
Atoka Shale	5029'	-2613	-48
Mississippian	5051'	-2635	-48
RTD	5208'	-2792	

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ALLIED CEMENTING CO., LLC. 040670

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

SERVICE POINT:
Med. Lodge KS

(MANREN - Fisher)

DATE <i>3-18-11</i>	SEC <i>9</i>	TWP <i>28S</i>	RANGE <i>22W</i>	CALLED OUT	ON LOCATION	JOB START <i>11:00am</i>	JOB FINISH <i>1:00pm</i>
LEASE <i>MANREN</i>	WELL # <i>1</i>	LOCATION <i>Ford, KS, 1/2 S, 74 E</i>			COUNTY <i>Ford</i>	STATE <i>KS</i>	
OLD OR <u>NEW</u> (Circle one)							

CONTRACTOR *Plorns LLC*
 TYPE OF JOB *port collar*
 HOLE SIZE *7 7/8* T.D.
 CASING SIZE *4 1/2* DEPTH
 TUBING SIZE *2 7/8* DEPTH *1390'*
 DRILL PIPE DEPTH
 TOOL *port collar* DEPTH
 PRES. MAX MINIMUM
 MEAS. LINE SHOE JOINT
 CEMENT LEFT IN CSG.
 PERFS.
 DISPLACEMENT

OWNER *Ritchie Exploration*
 CEMENT
 AMOUNT ORDERED *230 SK 60:40:62 gel + 19 # Flo Seal*
300# Hulls

EQUIPMENT
 PUMP TRUCK CEMENTER *Matt Thimmesch*
 # *364/265* HELPER *Jason Thimmesch*
 BULK TRUCK
 # *421/252* DRIVER *Ron Gilley*
 BULK TRUCK
 # DRIVER

COMMON	<i>A 138</i>	@ <i>15.45</i>	<i>2132.10</i>
POZMIX	<i>92</i>	@ <i>8.00</i>	<i>736.00</i>
GEL	<i>12</i>	@ <i>20.80</i>	<i>249.60</i>
CHLORIDE		@	
ASC		@	
	<i>Flo Seal C 57.50</i>	@ <i>2.50</i>	<i>143.75</i>
	<i>Hulls 300#</i>	@ <i>31.85</i>	<i>191.10</i>
		@	
		@	
		@	
		@	
HANDLING	<i>475</i>	@ <i>2.40</i>	<i>1140.00</i>
MILEAGE	<i>475/50/.10</i>		<i>2375.00</i>
			TOTAL <i>6967.55</i>

REMARKS:

*Run tubing to top
 pressure test to 1000 psi
 open tool mix 230 SK cement of 300# Hulls
 475 SK bbls shut down. proceed to seal
 pressure test 1020 psi
 Run 3 joints tubing of cement with
 10 bbls H2O*

SERVICE

DEPTH OF JOB	<i>1390'</i>		
PUMP TRUCK CHARGE		<i>1018.00</i>	
EXTRA FOOTAGE	<i>/</i>	@	
MILEAGE	<i>50</i>	@ <i>7.00</i>	<i>350.00</i>
MANIFOLD		@	
		@	
		@	

CHARGE TO: *Ritchie Exploration*
 STREET _____
 CITY _____ STATE _____ ZIP _____

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TOTAL *1368.00*

JUN 22 2011 PLUG & FLOAT EQUIPMENT

KCC WICHITA

To Allied Cementing Co., LLC.
 You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

PRINTED NAME *Gary Rowe*
 SIGNATURE *Gary Rowe*

TOTAL _____
 SALES TAX (if Any) _____
 TOTAL CHARGES ~~_____~~
 DISCOUNT ~~_____~~ IF PAID IN 30 DAYS

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ALLIED CEMENTING CO., LLC. 040667

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

MAURIN - Fisher

SERVICE POINT:
Mad. Ladys

DATE <i>3-15-11</i>	SEC.	TWP.	RANGE <i>9</i>	CALLED OUT <i>28s</i>	ON LOCATION <i>22w</i>	JOB START <i>2:30 pm</i>	JOB FINISH <i>4:00 pm</i>
LEASE <i>Maurin</i>	WELL # <i>1</i>	LOCATION <i>1/2 E of Ford</i>			COUNTY <i>Ford</i>	STATE <i>KS</i>	
OLD OR <input checked="" type="checkbox"/> NEW (Circle one)		<i>Straight E 3/4 mi. S into</i>					

CONTRACTOR <i>Duke RB #10</i>	OWNER <i>Patrick Exploration</i>
TYPE OF JOB <i>production</i>	CEMENT
HOLE SIZE <i>7 7/8</i>	T.D. <i>5208'</i>
CASING SIZE <i>4 1/2</i>	DEPTH <i>5206'</i>
TUBING SIZE	DEPTH
DRILL PIPE	DEPTH
TOOL	DEPTH
PRES. MAX <i>1100 psi</i>	MINIMUM
MEAS. LINE	SHOE JOINT <i>2'</i>
CEMENT LEFT IN CSG. <i>2'</i>	
PERFS.	
DISPLACEMENT <i>83 1/2 lbs/H2O</i>	

EQUIPMENT			
PUMP TRUCK # <i>366</i>	CEMENTER <i>Mark Thomas</i>		
	HELPER <i>Bob/G.B.</i>		
BULK TRUCK # <i>381/250</i>	DRIVER <i>Raymond R.</i>		
BULK TRUCK #	DRIVER <i>Ron Colley</i>		
REMARKS:		COMMON @	
<i>Bit circulation with Ris pumpjack through pump 3 H2O pump 500 gal ASF pump 3 6 1/2 H2O MIX 30 SX for bit hole MIX 20 SX for wash hole MIX 200 SX. Shut down wash pump + lines released. disp 8 3/2 lbs H2O bump plug 60 sec 100 psi plug held</i>		POZMIX @	
		GEL @	
		CHLORIDE @	
		ASC <i>250 SX</i> @ <i>18.60</i>	<i>4650.00</i>
		<i>Kolseal 1250</i> @ <i>-89</i>	<i>1112.50</i>
		<i>Fl-160 117</i> @ <i>13.30</i>	<i>1556.10</i>
		<i>wfr-2 500 Gals</i> @ <i>1.27</i>	<i>635.00</i>
		HANDLING <i>318</i> @ <i>2.40</i>	<i>763.20</i>
		MILEAGE <i>318/50/1.10</i>	<i>1590.00</i>

SERVICE			
DEPTH OF JOB <i>5208</i>			
PUMP TRUCK CHARGE	<i>2295.00</i>		
EXTRA FOOTAGE @			
MILEAGE <i>50</i> @ <i>7.00</i>	<i>350.00</i>		
MANIFOLD @			
<i>Head Rental</i> @			
			<i>113.00</i>
		TOTAL	<i>2758.00</i>

CHARGE TO: *Patrick Exploration*

STREET _____

CITY _____ STATE _____ ZIP _____

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To Allied Cementing Co., LLC.
You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

PRINTED NAME *Gary Row*

SIGNATURE *Gary Row*

PLUG & FLOAT EQUIPMENT		
<i>4 1/2</i>		
7-turbolizers	<i>58.00</i>	<i>406.00</i>
2-baskets @	<i>210.00</i>	<i>420.00</i>
1-rost collar @		<i>1673.00</i>
1-Rex Wash shoe @		<i>110.00</i>
1-AFL insect @		<i>101.40</i>
1-Rub plug @		<i>62.00</i>
TOTAL		<i>2772.40</i>

SALES TAX (If Any) _____

TOTAL CHARGES ~~_____~~

DISCOUNT _____ IF PAID IN 30 DAYS

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Dr

ALLIED CEMENTING CO., LLC. 038725

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

SERVICE POINT:
Great Bend KS
3-4-11

DATE <u>3-3-11</u>	SEC <u>9</u>	TWP <u>28S</u>	RANGE <u>22W</u>	CALLED OUT	ON LOCATION	JOB START <u>830</u>	JOB FINISH <u>900</u>
LEASE <u>Maupin-Eisher</u>	WELL # <u>1</u>	LOCATION <u>East of Ford, KS on Tilman Rd</u>			COUNTY <u>Ford</u>	STATE <u>KS</u>	
OLD OR NEW (Circle one) <u>NEW</u>			<u>1 mile South throw Field Emto</u>				

CONTRACTOR Duke Rig #1
 TYPE OF JOB Surface
 HOLE SIZE 12 1/4 T.D. 347.50
 CASING SIZE 8 3/4 DEPTH 347
 TUBING SIZE DEPTH
 DRILL PIPE DEPTH
 TOOL DEPTH
 PRES. MAX MINIMUM
 MEAS. LINE SHOE JOINT
 CEMENT LEFT IN CSG. 42 lb
 PERFS.
 DISPLACEMENT 19.5 bbls of fresh water

OWNER Ritchie Exploration Inc.
 CEMENT
 AMOUNT ORDERED 225sx Class A 3%cc
2%gel

EQUIPMENT
 PUMP TRUCK CEMENTER Bobby R.
 # 366 HELPER Gary D.
 BULK TRUCK
 # 341 DRIVER Kevin W.
 BULK TRUCK
 # DRIVER

COMMON	<u>225</u>	@	<u>13.50</u>	<u>3037.50</u>
POZMIX		@		
GEL	<u>4</u>	@	<u>20.25</u>	<u>81.00</u>
CHLORIDE	<u>9</u>	@	<u>51.50</u>	<u>463.50</u>
ASC		@		
		@		
		@		
		@		
		@		
		@		
HANDLING	<u>238</u>	@	<u>2.25</u>	<u>535.50</u>
MILEAGE	<u>238 x 50 x .10</u>		<u>1190.00</u>	<u>1190.00</u>
TOTAL				<u>5317.50</u>

REMARKS:

Pipe on bottom break circulation w/
50 mud. Hook to cement line. Run 5 bbl
water ahead.
mix 225 sx Class A 3% 2% gel
Displace 19.5 bbls land Plug
shut in
cement did circulate
rig down

SERVICE

DEPTH OF JOB	<u>347</u>			
PUMP TRUCK CHARGE				<u>991.00</u>
EXTRA FOOTAGE		@		
MILEAGE	<u>50</u>	@	<u>7.00</u>	<u>350.00</u>
MANIFOLD		@		
		@		
TOTAL				<u>1341.00</u>

CHARGE TO: Ritchie Exploration Inc
 STREET _____
 CITY _____ STATE _____ ZIP _____

PLUG & FLOAT EQUIPMENT

<u>Baffle plate</u>	@	<u>67.20</u>	
<u>Rubber plug</u>	@	<u>74.00</u>	
	@		
	@		
TOTAL <u>141.20</u>			

To Allied Cementing Co., LLC.
 You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

PRINTED NAME Mike Godfrey
 SIGNATURE Mike Godfrey

SALES TAX (If Any) _____
 TOTAL CHARGES [scribble]
 DISCOUNT _____ IF PAID

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DRILL STEM TEST REPORT

Prepared For: **RITCHIE EXPLORATION INC**

8100 E 22ND ST N # 700 WICHITA KS
67278+3188

ATTN: ADAM ELDANI

9-28S-22-W FORD

MAUPIN-FISHER #1

Start Date: 2011.03.12 @ 14:40:00

End Date: 2011.03.12 @ 22:25:30

Job Ticket #: 15632 DST #: 1

Superior Testers Enterprises LLC
PO Box 138 Great Bend KS 67530
1-800-792-6902

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Printed: 2011.03.14 @ 15:52:19

RITCHIE EXPLORATION INC

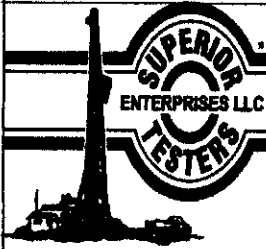
MAUPIN-FISHER #1

9-28S-22-W FORD

DST # 1

MISSISSIPPI

2011.03.12



DRILL STEM TEST REPORT

RITCHE EXPLORATION INC

MAUPIN-FISHER #1

8100 E 22ND ST N # 700 WICHITA KS
67278+3188

9-28S-22-W FORD

Job Ticket: 15632

DST#: 1

ATTN: ADAMELDAN

Test Start: 2011.03.12 @ 14:40:00

GENERAL INFORMATION:

Formation: **MISSISSIPPI**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 16:37:30

Time Test Ended: 22:25:30

Test Type: Conventional Bottom Hole (Initial)

Tester: JARED SCHECK

Unit No: 3320-GB-170-

Interval: **5026.00 ft (KB) To 5088.00 ft (KB) (TVD)**

Total Depth: 5088.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2416.00 ft (KB)

2404.00 ft (CF)

KB to GR/CF: 12.00 ft

Serial #: **8419**

Inside

Press@RunDepth: 180.93 psia @ 5084.00 ft (KB)

Capacity: 5000.00 psia

Start Date: 2011.03.12

End Date: 2011.03.12

Last Calib.: 2011.03.12

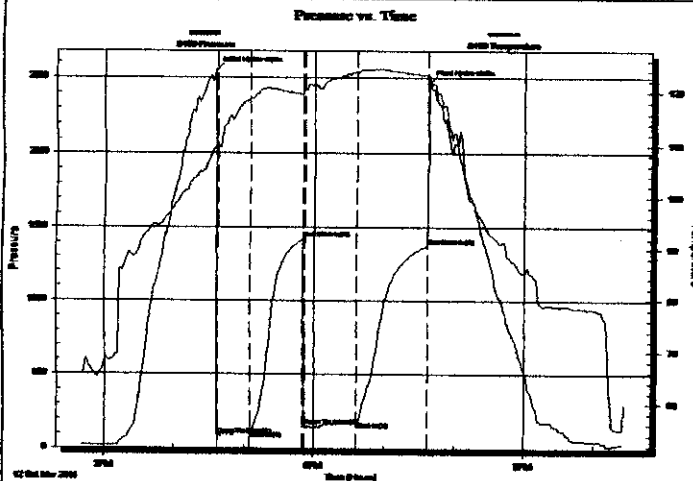
Start Time: 14:41:00

End Time: 22:25:30

Time On Btm: 2011.03.12 @ 16:36:00

Time Off Btm: 2011.03.12 @ 19:37:30

TEST COMMENT: 30/INITIAL OPEN:STRONG BLOW BUILT BOTTOM OF BUCKET IN 6 MINUTES
45/INITIAL SHUT IN:VERY WEAK SURFACE BLOW
45/FINAL OPEN:STRONG BLOW BUILT BOTTOM OF BUCKET IN 1 1/2 MINUTES
60/FINAL SHUT IN:VERY WEAK SURFACE BLOW



PRESSURE SUMMARY

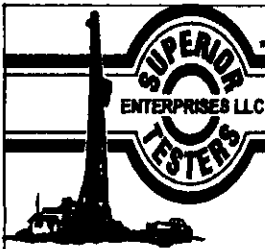
Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	2547.28	110.31	Initial Hydro-static
2	85.04	109.70	Open To Flow (1)
29	117.34	118.70	Shut-In(1)
75	1425.72	119.72	End Shut-In(1)
76	151.15	120.70	Open To Flow (2)
120	180.93	123.73	Shut-In(2)
181	1379.42	123.21	End Shut-In(2)
182	2462.57	123.19	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
120.00	GASSY OIL CUT WATER MUD	1.68
0.00	10%GAS 10%WATER30%MUD 50%OIL	0.00
120.00	GASSY MUD CUT OILY WATER	1.68
0.00	10%GAS 15%MUD 35%WATER 40%OIL	0.00
60.00	SLIGHTLEY GASSY MUD CUT OIL	0.84
0.00	10%G 20%OIL 70%MUD	0.00

Gas Rates

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



DRILL STEM TEST REPORT

RITCHE EXPLORATION INC
 8100 E 22ND ST N# 700 WITCHITA KS
 67278+3188
 ATTN: ADAMELDAN

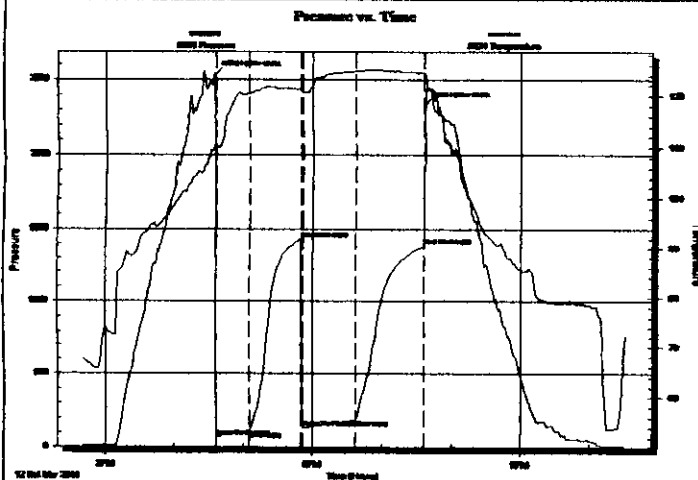
MAUPIN-FISHER #1
9-28S-22-W FORD
 Job Ticket: 15632 **DST#: 1**
 Test Start: 2011.03.12 @ 14:40:00

GENERAL INFORMATION:

Formation: **MISSISSIPPI**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 16:37:30
 Time Test Ended: 22:25:30
 Interval: **5026.00 ft (KB) To 5088.00 ft (KB) (TVD)**
 Total Depth: 5088.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Initial)
 Tester: JARED SCHECK
 Unit No: 3320-GB-170-
 Reference Elevations: 2416.00 ft (KB)
 2404.00 ft (CF)
 KB to GR/CF: 12.00 ft

Serial #: 8524 Outside
 Press@RunDepth: 1384.02 psia @ 5085.00 ft (KB) Capacity: 5000.00 psia
 Start Date: 2011.03.12 End Date: 2011.03.12 Last Calib.: 2011.03.12
 Start Time: 14:41:00 End Time: 22:31:00 Time On Btrm: 2011.03.12 @ 16:35:30
 Time Off Btrm: 2011.03.12 @ 19:37:00

TEST COMMENT: 30/INITIAL OPEN:STRONG BLOW BUILT BOTTOM OF BUCKET IN 6 MINUTES
 45/INITIAL SHUT IN:VERY WEAK SURFACE BLOW
 45/FINAL OPEN:STRONG BLOW BUILT BOTTOM OF BUCKET IN 1 1/2 MINUTES
 60/FINAL SHUT IN:VERY WEAK SURFACE BLOW



PRESSURE SUMMARY

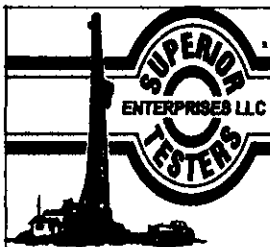
Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	2533.12	110.30	Initial Hydro-static
1	66.00	110.09	Open To Flow (1)
30	109.28	120.63	Shut-In(1)
74	1433.29	121.33	End Shut-In(1)
76	134.71	120.87	Open To Flow (2)
122	186.44	124.82	Shut-In(2)
181	1384.02	124.49	End Shut-In(2)
182	2333.20	123.92	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
120.00	GASSY OIL CUT WATER MUD	1.68
0.00	10%GAS 10%WATER30%MUD 50%OIL	0.00
120.00	GASSY MUD CUT OILY WATER	1.68
0.00	10%GAS 15%MUD 35%WATER 40%OIL	0.00
60.00	SLIGHTLEY GASSY MUD CUT OIL	0.84
0.00	10%G 20%OIL 70%MUD	0.00

Gas Rates

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



DRILL STEM TEST REPORT

TOOL DIAGRAM

RITCHE EXPLORATION INC
 8100 E 22ND ST N # 700 WICHITA KS
 67278+3188
 ATTN: ADAMELDANI

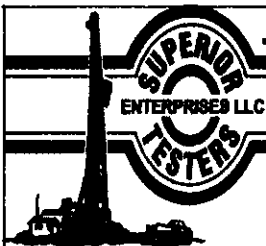
MAUPIN-FISHER #1
 9-28S-22-W FORD
 Job Ticket: 15632 DST#: 1
 Test Start: 2011.03.12 @ 14:40:00

Tool Information

Drill Pipe:	Length: 5010.00 ft	Diameter: 3.80 inches	Volume: 70.28 bbl	Tool Weight: 1000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Full Loose: 70000.00 lb
			<u>Total Volume: 70.28 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	13.00 ft			String Weight: Initial 54000.00 lb
Depth to Top Packer:	5026.00 ft			Final 55000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	62.00 ft			
Tool Length:	91.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4998.00	
Shut-In Tool	5.00			5003.00	
Hydrolic Tool	5.00			5008.00	
Jars	6.00			5014.00	
Safety Joint	2.00			5016.00	
Packer	5.00			5021.00	29.00 Bottom Of Top Packer
Packer	5.00			5026.00	
Change Over Sub	0.75			5026.75	
Drill Pipe	30.50			5057.25	
Change Over Sub	0.75			5058.00	
Perforations	25.00			5083.00	
Recorder	1.00	8419	Inside	5084.00	
Recorder	1.00	8524	Outside	5085.00	
Bullnose	3.00			5088.00	62.00 Bottom Packers & Anchor
Total Tool Length:	91.00				



DRILL STEM TEST REPORT

FLUID SUMMARY

RITCHE EXPLORATION INC
 8100 E 22ND ST N # 700 WITCHITA KS
 67278+3188
 ATTN: ADAMELDANI

MAUPIN-FISHER #1
 9-28S-22-W FORD
 Job Ticket: 15632 DST#: 1
 Test Start: 2011.03.12 @ 14:40:00

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: 45.00 sec/qt	Cushion Volume: bbl		
Water Loss: 9.19 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psia		
Salinity: 6000.00 ppm			
Filter Cake: 1.00 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
120.00	GASSY OIL CUT WATER MUD	1.683
0.00	10%GAS 10%WATER30%MUD 50%OIL	0.000
120.00	GASSY MUD CUT OILY WATER	1.683
0.00	10%GAS 15%MUD 35%WATER 40%OIL	0.000
60.00	SLIGHTLEY GASSY MUD CUT OIL	0.842
0.00	10%G 20%OIL 70%MUD	0.000
0.00	CHLORIDES 30,000	0.000
0.00	RESISTIVITY .15@ 70 DEGREES	0.000

Total Length: 300.00 ft Total Volume: 4.208 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments:

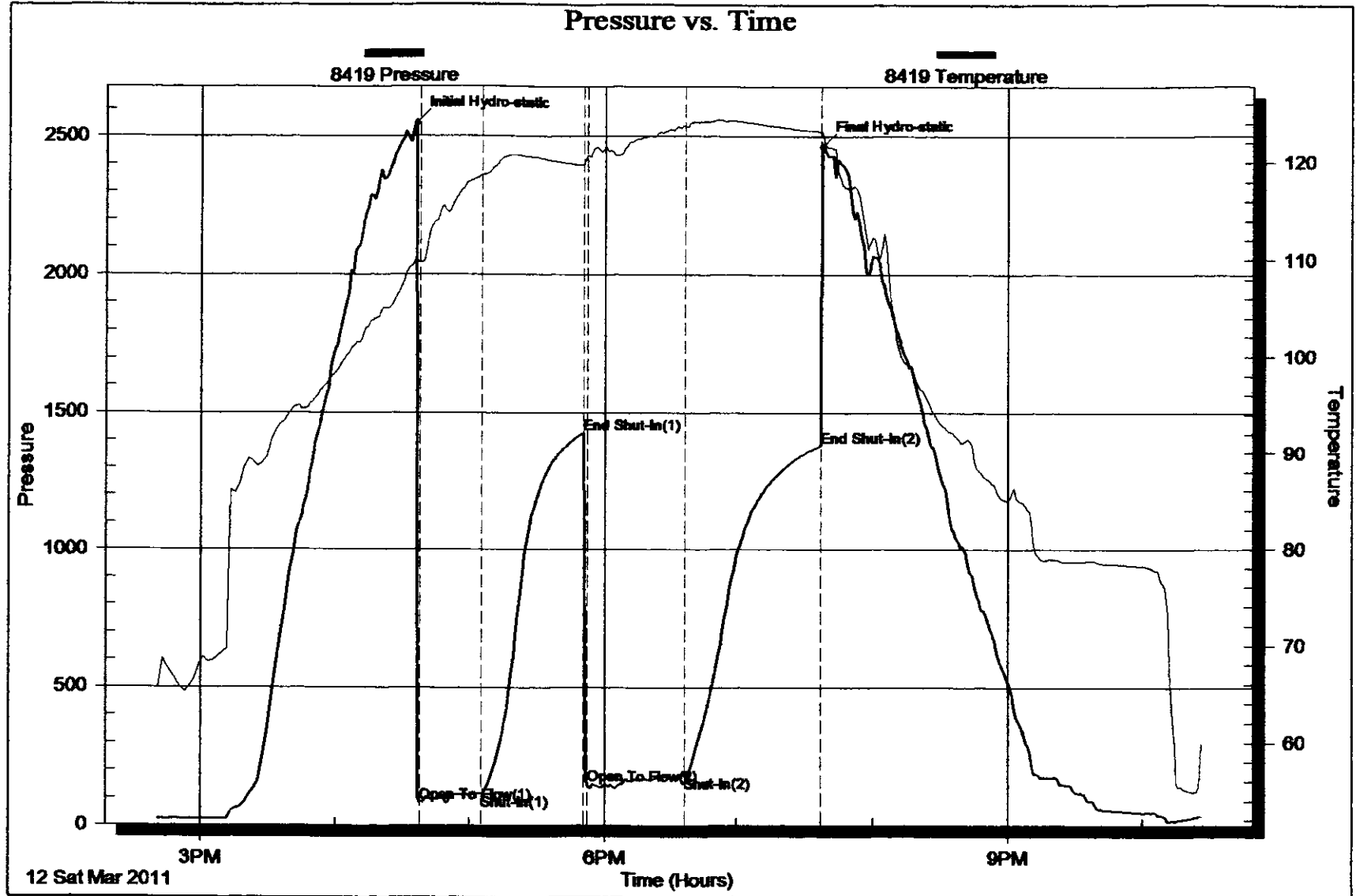
Serial #: 8419

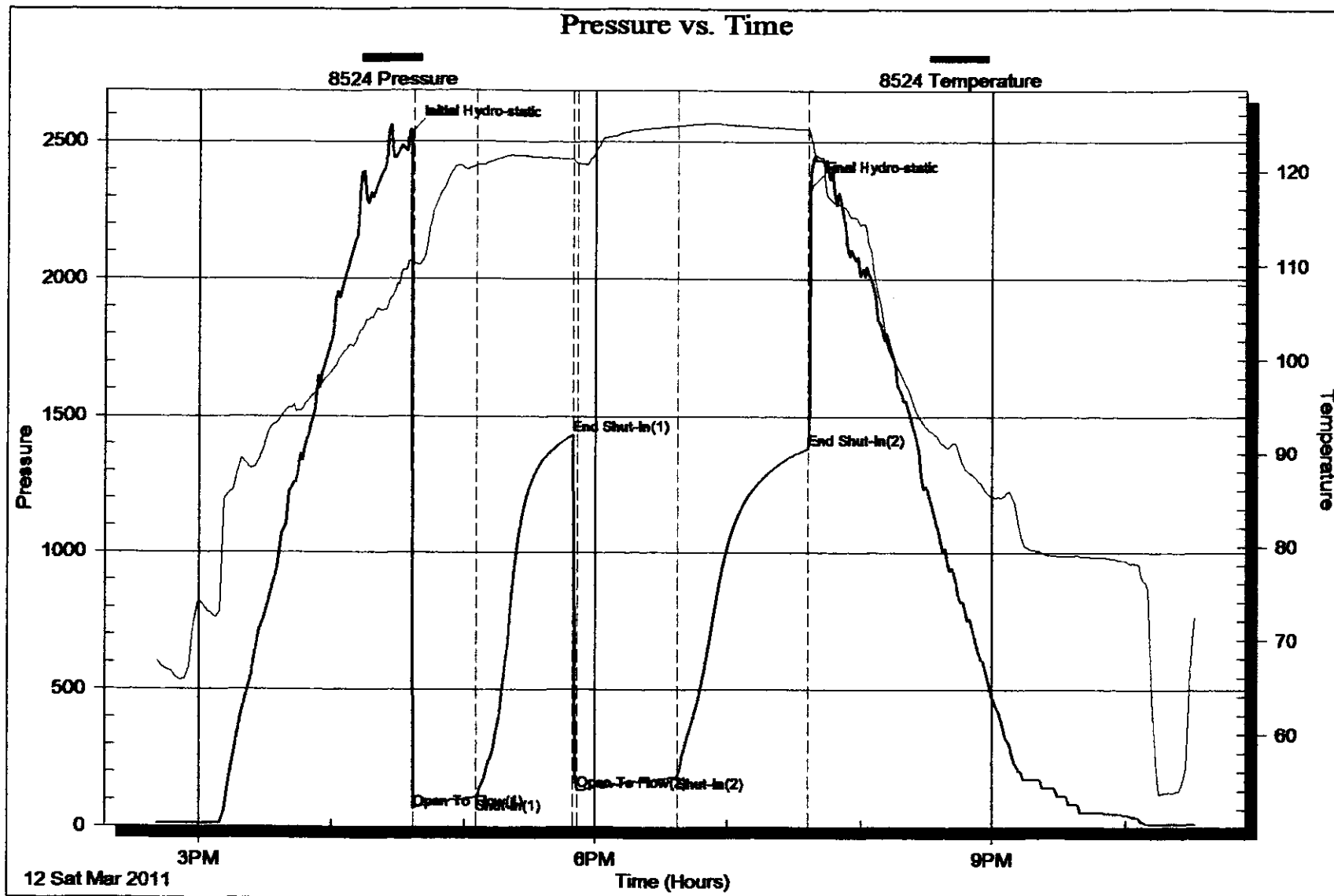
Inside

RITCHE EXPLORATION INC

9-28S-22-W FORD

DST Test Number: 1







DRILL STEM TEST REPORT

Prepared For: **RITCHIE EXPLORATION INC**

8100 E 22ND ST N # 700 WICHITA KS
67278+3188

ATTN: ADAM ELDANI

9-28S-22-W FORD

MAUPIN-FISHER #1

Start Date: 2011.03.13 @ 07:56:00

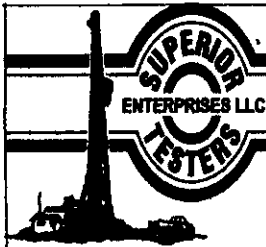
End Date: 2011.03.13 @ 14:40:00

Job Ticket #: 15633 DST #: 2

Superior Testers Enterprises LLC
PO Box 138 Great Bend KS 67530
1-800-792-6902

Printed: 2011.03.14 @ 15:53:41

RITCHIE EXPLORATION INC
MAUPIN-FISHER #1
9-28S-22-W FORD
DST # 2
MISSISSIPPI
2011.03.13



DRILL STEM TEST REPORT

TOOL DIAGRAM

RITCHE EXPLORATION INC
 8100 E 22ND ST N # 700 WICHITA KS
 67278+3188
 ATTN: ADAMELDANI

MAUPIN-FISHER #1
 9-28S-22-W FORD
 Job Ticket: 15633 DST#: 2
 Test Start: 2011.03.13 @ 07:56:00

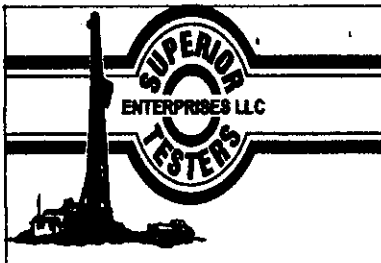
Tool Information

Drill Pipe:	Length: 5072.00 ft	Diameter: 3.80 inches	Volume: 71.15 bbl	Tool Weight: 1000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 80000.00 lb
			<u>Total Volume: 71.15 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	13.00 ft			String Weight: Initial 56000.00 lb
Depth to Top Packer:	5088.00 ft			Final 56000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	10.00 ft			
Tool Length:	39.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments: RUINED PACKER

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			5060.00	
Shut-in Tool	5.00			5065.00	
Hydraulic Tool	5.00			5070.00	
Jars	6.00			5076.00	
Safety Joint	2.00			5078.00	
Packer	5.00			5083.00	29.00 Bottom Of Top Packer
Packer	5.00			5088.00	
Perforations	5.00			5093.00	
Recorder	1.00	8419	Inside	5094.00	
Recorder	1.00	8524	Outside	5095.00	
Bullnose	3.00			5098.00	10.00 Bottom Packers & Anchor

Total Tool Length: 39.00



DRILL STEM TEST REPORT

FLUID SUMMARY

RITCHIE EXPLORATION INC
 8100 E 22ND ST N # 700 WICHITA KS
 67278+3188
 ATTN: ADAMELDANI

MAUPIN-FISHER #1
 9-28S-22-W FORD
 Job Ticket: 15633 DST#: 2
 Test Start: 2011.03.13 @ 07:56:00

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: 65.00 sec/qt	Cushion Volume: bbl		
Water Loss: 10.39 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psia		
Salinity: 9000.00 ppm			
Filter Cake: 1.00 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
95.00	GAS IN PIPE 100%	1.333
25.00	SLIGHTLEY OIL MUD CUT WATER	0.351
0.00	CHLORIDES 31,000	0.000
0.00	RESISTIVITY .15 @77 DEGREES	0.000

Total Length: 120.00 ft Total Volume: 1.684 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments: RUINED PACKER/CHLORIDES 31,000

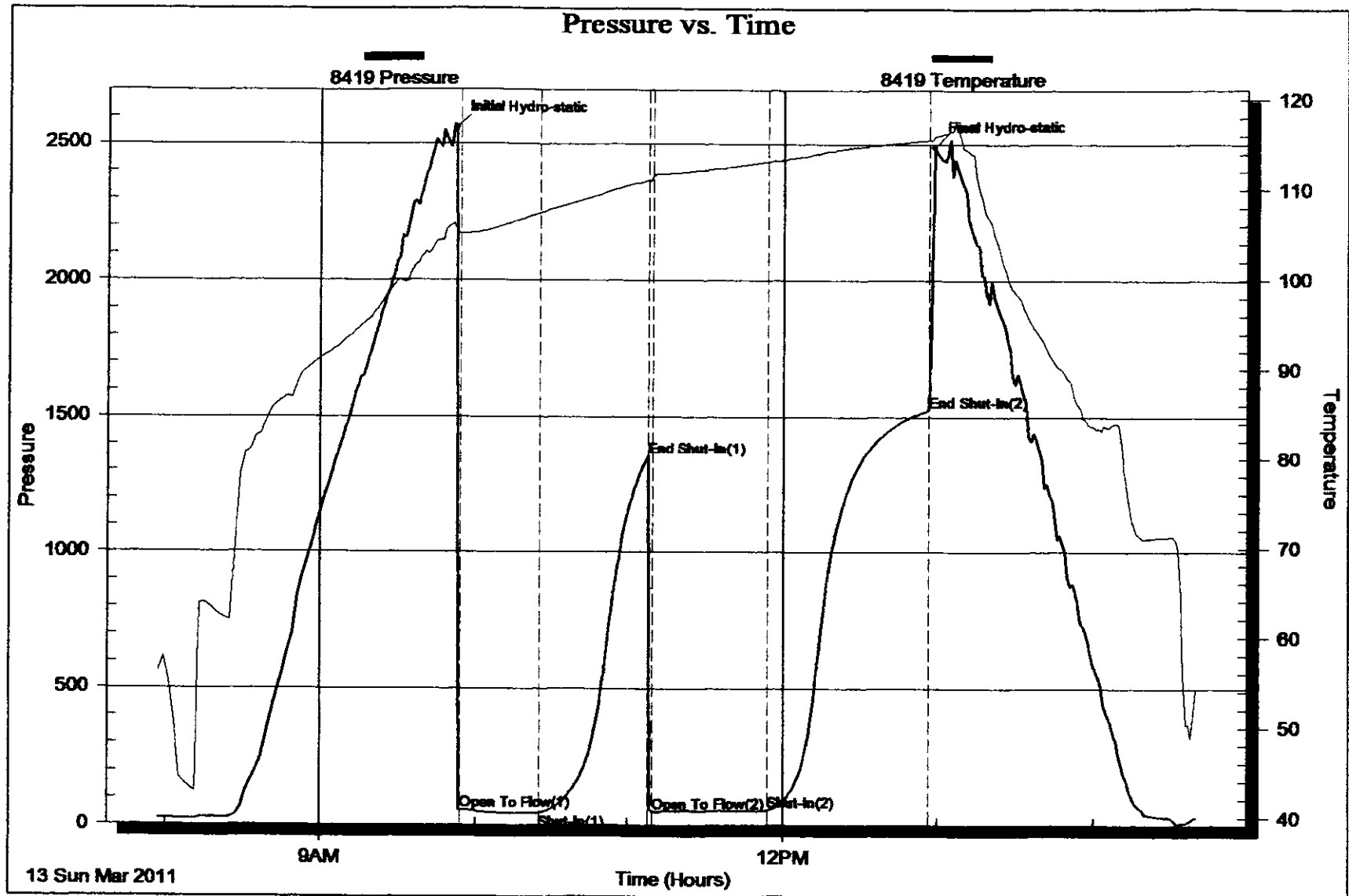
Serial #: 8419

Inside

RITCHIE EXPLORATION INC

9-28S-22-W FORD

DST Test Number: 2

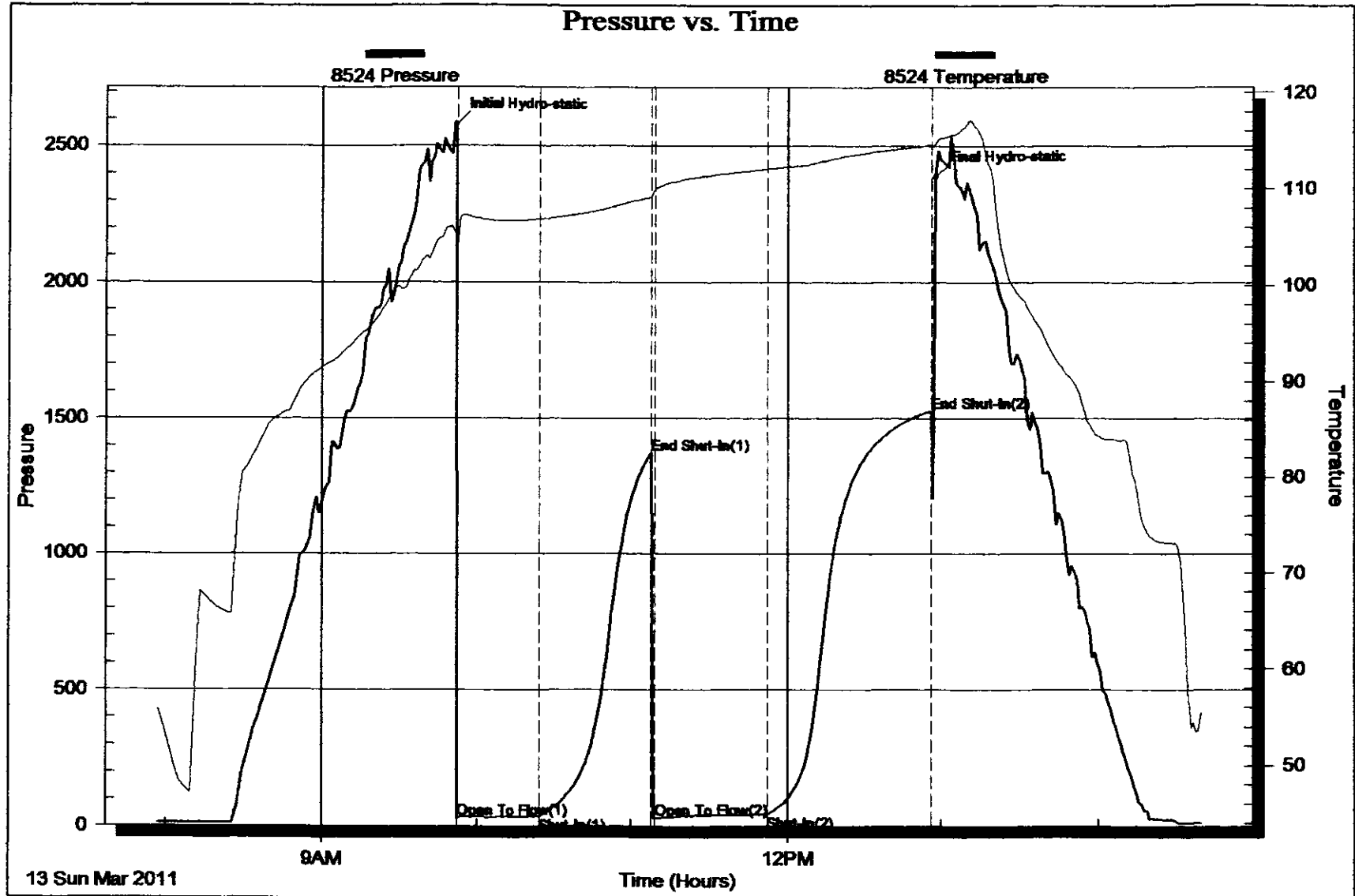


Serial #: 8524

Outside RTCHIE EXPLORATION INC

9-28S-22-W FORD

DST Test Number: 2





DRILL STEM TEST REPORT

Prepared For: **RITCHIE EXPLORATION INC**
8100 E 22ND ST N # 700 WICHITA KS
67278+3188

ATTN: ADAM ELDANI

9-28S-22-W FORD

MAUPIN-FISHER #1

Start Date: 2011.03.14 @ 01:38:00

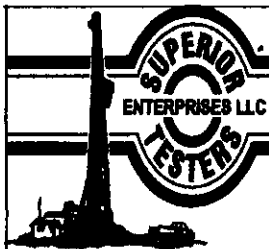
End Date: 2011.03.14 @ 09:27:00

Job Ticket #: 15634 DST #: 3

Superior Testers Enterprises LLC
PO Box 138 Great Bend KS 67530
1-800-792-6902

Printed: 2011.03.14 @ 15:50:40

RITCHIE EXPLORATION INC
MAUPIN-FISHER #1
9-28S-22-W FORD
DST # 3
MISSISSIPPI
2011.03.14



DRILL STEM TEST REPORT

RITCHE EXPLORATION INC
 8100 E 22ND ST N # 700 WICHITA KS
 67278+3188
 ATTN: ADAM ELDANI

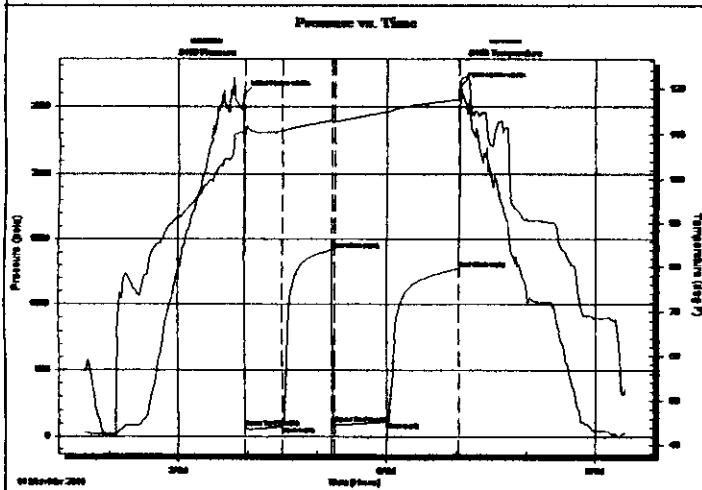
MAUPIN-FISHER #1
9-28S-22-W FORD
 Job Ticket: 15634 DST#: 3
 Test Start: 2011.03.14 @ 01:38:00

GENERAL INFORMATION:

Formation: **MISSISSIPPI**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 03:58:00
 Time Test Ended: 09:27:00
 Interval: **5098.00 ft (KB) To 5138.00 ft (KB) (TVD)**
 Total Depth: 5138.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Initial)
 Tester: JARED SCHECK
 Unit No: 3320-GB-170
 Reference Elevations: 2416.00 ft (KB)
 2404.00 ft (CF)
 KB to GR/CF: 12.00 ft

Serial #: 8419 **Inside**
 Press@RunDepth: 112.47 psia @ 5134.00 ft (KB) Capacity: 5000.00 psia
 Start Date: 2011.03.14 End Date: 2011.03.14 Last Calib.: 2011.03.14
 Start Time: 01:39:00 End Time: 09:27:00 Time On Btm: 2011.03.14 @ 03:57:00
 Time Off Btm: 2011.03.14 @ 07:03:30

TEST COMMENT: 30/INITIAL OPENWEAK BLOW BUILT 4 1/2 INCHES INTO WATER IN 30 MINUTES
 45/INITIAL SHUT IN:NO BLOW BACK
 45/FINAL OPENWEAK BLOW BUILT 5 INCHES INTO WATER IN 45 MINUTES
 60/FINAL SHUT IN:NO BLOW BACK



PRESSURE SUMMARY

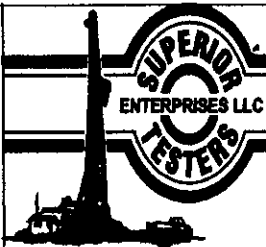
Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	2590.65	110.53	Initial Hydro-static
1	70.38	110.02	Open To Flow (1)
33	77.84	110.64	Shut-in(1)
76	1421.41	113.08	End Shut-in(1)
78	95.96	112.82	Open To Flow (2)
123	112.47	114.96	Shut-in(2)
185	1273.78	117.61	End Shut-in(2)
187	2654.60	121.77	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	MUDDY WATER 50%MUD 50%WATER	0.84
70.00	MUDDY WATER 30%MUD 70%WATER	0.98
0.00	CHLORIDES 23,000	0.00
0.00	RESISTIVITY .2 @70 DEGREES	0.00

Gas Rates

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



DRILL STEM TEST REPORT

RITCHE EXPLORATION INC
 8100 E 22ND ST N # 700 WICHITA KS
 67278+3188
 ATTN: ADAMELDANI

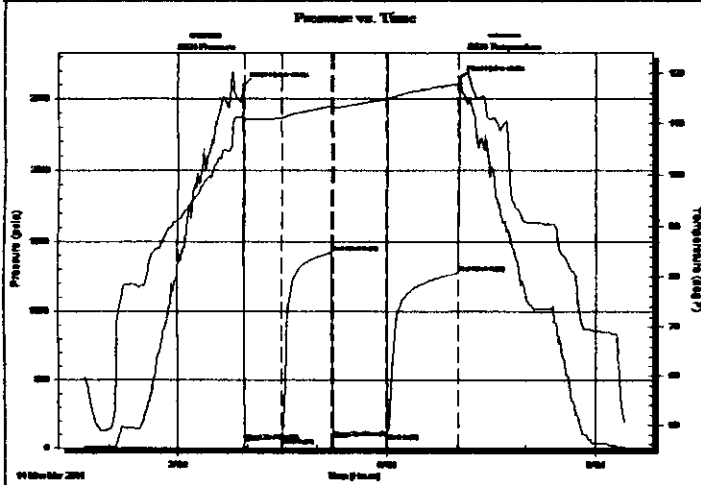
MAUPIN-FISHER #1
9-28S-22-W FORD
 Job Ticket: 15634 DST#: 3
 Test Start: 2011.03.14 @ 01:38:00

GENERAL INFORMATION:

Formation: **MISSISSIPPI**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 03:58:00
 Time Test Ended: 09:27:00
 Interval: **5098.00 ft (KB) To 5138.00 ft (KB) (TVD)**
 Total Depth: 5138.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Initial)
 Tester: JARED SCHECK
 Unit No: 3320-GB-170
 Reference Elevations: 2416.00 ft (KB)
 2404.00 ft (CF)
 KB to GR/CF: 12.00 ft

Serial #: 8524 Outside
 Press@RunDepth: 1274.85 psia @ 5135.00 ft (KB) Capacity: 5000.00 psia
 Start Date: 2011.03.14 End Date: 2011.03.14 Last Calib.: 2011.03.14
 Start Time: 01:39:09 End Time: 09:26:09 Time On Btm: 2011.03.14 @ 03:56:39
 Time Off Btm: 2011.03.14 @ 07:02:39

TEST COMMENT: 30/INITIAL OPEN:WEAK BLOW BUILT 4 1/2 INCHES INTO WATER IN 30 MINUTES
 45/INITIAL SHUT IN:NO BLOW BACK
 45/FINAL OPEN:WEAK BLOW BUILT 5 INCHES INTO WATER IN 45 MINUTES
 60/FINAL SHUT IN:NO BLOW BACK



PRESSURE SUMMARY

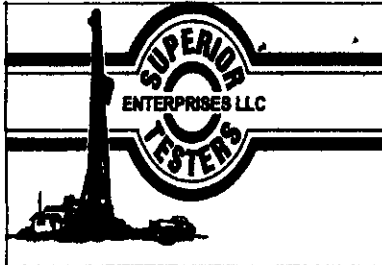
Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	2596.97	111.52	Initial Hydro-static
1	50.73	111.07	Open To Flow (1)
33	76.27	111.24	Shut-In(1)
76	1421.59	113.55	End Shut-In(1)
77	80.33	113.20	Open To Flow (2)
123	110.38	114.92	Shut-In(2)
185	1274.85	117.86	End Shut-In(2)
186	2640.27	119.07	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	MUDDY WATER 50%MUD 50%WATER	0.84
70.00	MUDDY WATER 30%MUD 70%WATER	0.98
0.00	CHLORIDES 23,000	0.00
0.00	RESISTIVITY .2 @70 DEGREES	0.00

Gas Rates

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



DRILL STEM TEST REPORT

TOOL DIAGRAM

RITCHE EXPLORATION INC
 8100 E 22ND ST N # 700 WITCHITA KS
 67278+3188
 ATTN: ADAMELDANI

MAUPIN-FISHER #1
 9-28S-22-W FORD
 Job Ticket: 15634 DST#: 3
 Test Start: 2011.03.14 @ 01:38:00

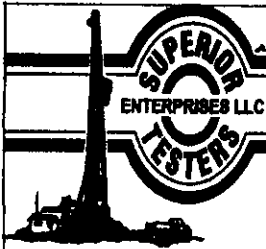
Tool Information

Drill Pipe:	Length: 5100.00 ft	Diameter: 3.80 inches	Volume: 71.54 bbl	Tool Weight: 1000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 70000.00 lb
			<u>Total Volume: 71.54 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	31.00 ft			String Weight: Initial 56000.00 lb
Depth to Top Packer:	5098.00 ft			Final 56000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	40.00 ft			
Tool Length:	69.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			5070.00	
Shut-In Tool	5.00			5075.00	
Hydraulic Tool	5.00			5080.00	
Jars	6.00			5086.00	
Safety Joint	2.00			5088.00	
Packer	5.00			5093.00	29.00 Bottom Of Top Packer
Packer	5.00			5098.00	
Perforations	35.00			5133.00	
Recorder	1.00	8419	Inside	5134.00	
Recorder	1.00	8524	Outside	5135.00	
Bullhose	3.00			5138.00	40.00 Bottom Packers & Anchor

Total Tool Length: 69.00



DRILL STEM TEST REPORT

FLUID SUMMARY

RITCHE EXPLORATION INC
 8100 E 22ND ST N # 700 WICHITA KS
 67278+3188
 ATTN: ADAMELDANI

MAUPIN-FISHER #1
 9-28S-22-W FORD
 Job Ticket: 15634 DST#: 3
 Test Start: 2011.03.14 @ 01:38:00

Mud and Cushion Information

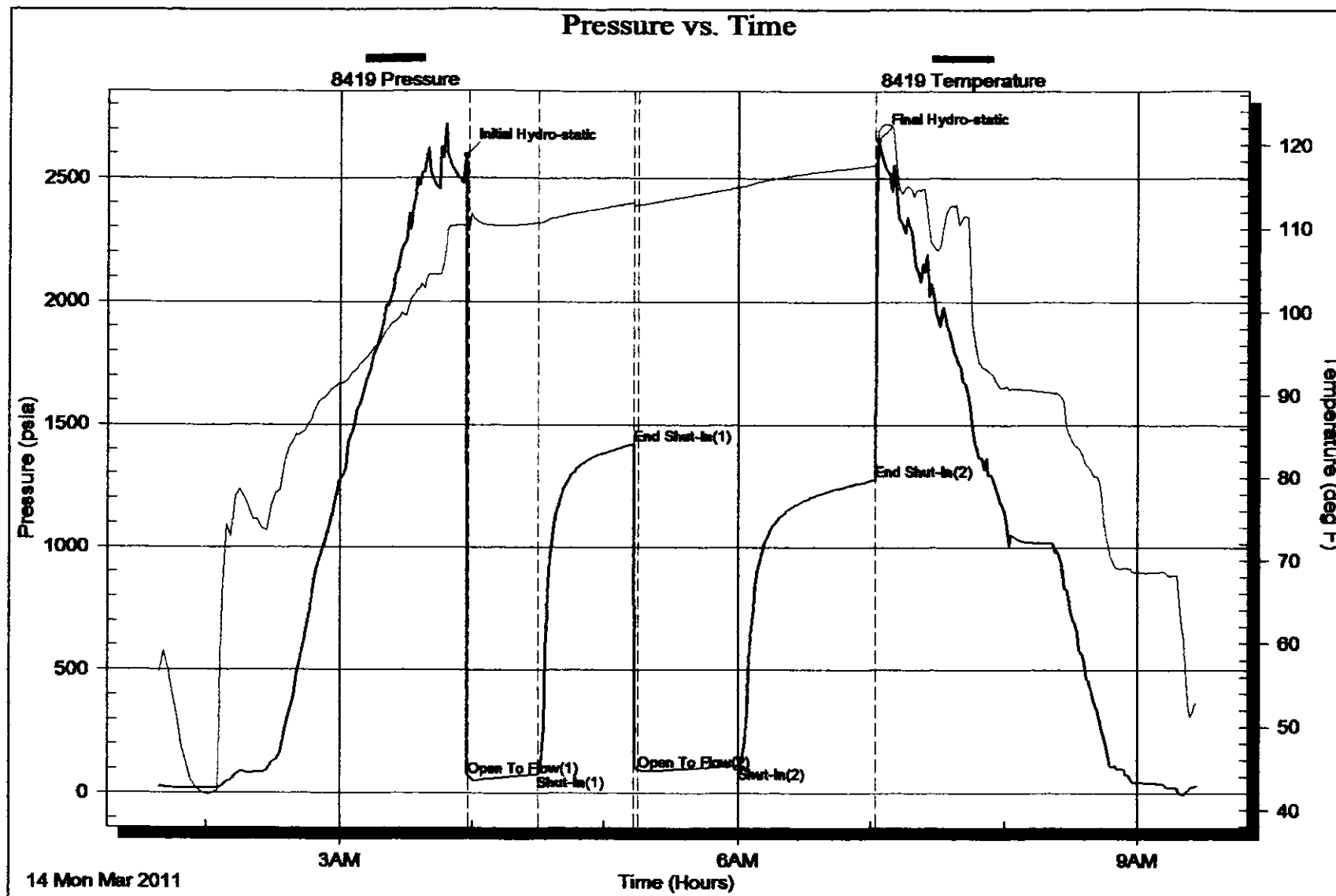
Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 65.00 sec/qt	Cushion Volume: bbl		
Water Loss: 10.39 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psia		
Salinity: 9000.00 ppm			
Filter Cake: 1.00 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
60.00	MUDDY WATER 50%MUD 50%WATER	0.842
70.00	MUDDY WATER 30%MUD 70%WATER	0.982
0.00	CHLORIDES 23,000	0.000
0.00	RESISTIVITY .2 @70 DEGREES	0.000

Total Length: 130.00 ft Total Volume: 1.824 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments:



Serial #: 8524

Outside RITCHE EXPLORATION INC

9-28S-22-W FORD

DST Test Number: 3

