



KANSAS CORPORATION COMMISSION 1160660
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 # _____

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: _____



1160660

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)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____ <input type="checkbox"/> Other <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	Empire Energy E&P, LLC
Well Name	Rudzik 'B' 11-1
Doc ID	1160660

All Electric Logs Run

Micro
Sonic
Dual Induction
Dual Comp. Porosity

Form	ACO1 - Well Completion
Operator	Empire Energy E&P, LLC
Well Name	Rudzik 'B' 11-1
Doc ID	1160660

Tops

Name	Top	Datum
Heebner	3744	-1075
Toronto	3764	-1095
Lansing	3780	-1111
Base KC	4097	-1428
Marmaton	4118	-1449
Pawnee	4185	-1516
Myrick Station	4256	-1587
Fort Scott	4280	-1611
Cherokee Lime	4310	-1641
Johnson Zone	4350	-1681
Conglomerate	4366	-1697
Mississippi	4387	-1718
Miss. Dolomite	4462	-1793

ALLIED OIL & GAS SERVICES, LLC 061773

Federal Tax I.D. # 20-8651475

REMIT TO P.O. BOX 93999
SOUTHLAKE, TEXAS 76092

SERVICE POINT:
Great Bend 150

138599

DATE <u>9-11-13</u>	SEC. <u>11</u>	TWP. <u>14</u>	RANGE <u>30</u>	CALLED OUT	ON LOCATION	JOB START <u>12am</u>	JOB FINISH <u>12:30am</u>
LEASE <u>Rudzik</u>	WELL# <u>11-1</u>	LOCATION <u>Highway 4/24 26N, w6</u>			COUNTY <u>602</u>	STATE <u>KS</u>	
OLD OR NEW (Circle one)			<u>2N, winto</u>			<u>1.01</u>	<u>7.9</u>

CONTRACTOR Empire Energy
 TYPE OF JOB Surface
 HOLE SIZE 12 1/2 T.D.
 CASING SIZE 8 5/8 DEPTH 265
 TUBING SIZE DEPTH
 DRILL PIPE 4 1/2 DEPTH
 TOOL DEPTH
 PRES. MAX MINIMUM
 MEAS. LINE SHOE JOINT
 CEMENT LEFT IN CSG. 15 FT
 PERFS.
 DISPLACEMENT freshwater

OWNER
 CEMENT AMOUNT ORDERED 150 sks class A 3 1/2 cc

EQUIPMENT
 PUMP TRUCK CEMENTER 5236 Grant
 # 378 HELPER Ben Mewell 2
 BULK TRUCK
 # 344170 DRIVER Dan Casper 2
 BULK TRUCK
 # DRIVER

COMMON	<u>145</u>	@	<u>17.90</u>	<u>2,595.50</u>
POZMIX		@		
GEL		@		
CHLORIDE	<u>5</u>	@	<u>64.00</u>	<u>320.00</u>
ASC		@		
HANDLING	<u>152.23</u>	@	<u>2.48</u>	<u>377.53</u>
MILEAGE	<u>7.01 x 40 x</u>	@	<u>2.60</u>	<u>729.09</u>
TOTAL				<u>4,022.07</u>

REMARKS:
Break circulation with Rigmud
pressure test 500 psi
pump 5 bbls ahead
mix 150 sks class A 3 1/2 cc
displace 15.97 bbls freshwater
start in
cement did circulate

280.40

SERVICE

DEPTH OF JOB			
PUMP TRUCK CHARGE	<u>1512.35</u>		
EXTRA FOOTAGE	@		
MILEAGE <u>HUM 40</u>	@	<u>7.70</u>	<u>308.00</u>
MANIFOLD	@		
<u>2um 40</u>	@	<u>4.40</u>	<u>176.00</u>

CHARGE TO: Empire Energy
 STREET _____
 CITY _____ STATE _____ ZIP _____

TOTAL 1,996.35

PLUG & FLOAT EQUIPMENT

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

To: Allied Oil & Gas Services, 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.

TOTAL _____

PRINTED NAME Nick Henderson

SALES TAX (If Any)	<u>230.32</u>
TOTAL CHARGES	<u>6,018.32</u>
DISCOUNT	<u>1,685.12</u>

SIGNATURE Nick Henderson
Thank you!

4,333.19

IF PAID IN 30 DAYS

ALLIED OIL & GAS SERVICES, LLC 061159

Federal Tax I.D. # 20-8651475

REMIT TO P.O. BOX 93999
SOUTHLAKE, TEXAS 76092

SERVICE POINT:

Daddy K's

DATE <i>9/15/13</i>	SEC. <i>11</i>	TWP. <i>14</i>	RANGE <i>30</i>	CALLED OUT	ON LOCATION	JOB START <i>5:00</i>	JOB FINISH <i>6:00</i>
LEASE <i>Andritz</i>	WELL.# <i>11-1</i>	LOCATION <i>Daddy 115 8E 6S 4E 10hd</i>			COUNTY <i>Garland</i>	STATE <i>TX</i>	
OLD OR <input checked="" type="checkbox"/> NEW (Circle one)		32 25 W 20					

CONTRACTOR *Andritz 10*

TYPE OF JOB *PTH - battery*

HOLE SIZE *7 7/8* D.D.

CASING SIZE *8 5/8* DEPTH *265'*

TUBING SIZE DEPTH

DRILL PIPE *4 1/2* DEPTH

TOOL DEPTH

PRES. MAX MINIMUM

MEAS. LINE SHOE JOINT

CEMENT LEFT IN CSG.

PERFS.

DISPLACEMENT

OWNER *Same*

CEMENT AMOUNT ORDERED *220 60/40/90 gel*

14 FLO

EQUIPMENT

PUMP TRUCK CEMENTER *Alan Ryan*

425281 HELPER *Kevin P. 400*

BULK TRUCK

326 DRIVER *Chris Helpstine*

BULK TRUCK

DRIVER

COMMON <i>132</i>	@ <i>12.90</i>	<i>2362.80</i>
POZMIX <i>80</i>	@ <i>7.50</i>	<i>822.80</i>
GEL <i>8</i>	@ <i>23.00</i>	<i>187.20</i>
CHLORIDE	@	
ASC	@	
<i>Flobed 55 lb</i>	@ <i>2.22</i>	<i>163.32</i>
	@	
	@	
	@	
	@	
	@	
	@	
HANDLING <i>236</i>	@ <i>2.40</i>	<i>585.95</i>
MILEAGE <i>262</i>	@ <i>9.87</i>	<i>1026.48</i>
		TOTAL <i>5208.88</i>

REMARKS:

2120 FT = 25SKs

1185 FT = 100SKs

315 FT = 40SKs

40 FT = 10SKs

2H - 30SK

1H - 20SK

Depth is Alan, Kevin, Chris

SERVICE

DEPTH OF JOB <i>2120'</i>	
PUMP TRUCK CHARGE	<i>2483.35</i>
EXTRA FOOTAGE	@
MILEAGE <i>40 miles</i>	@ <i>5.20</i> <i>208.00</i>
MANIFOLD	@
<i>Stellwell 40 mile</i>	@ <i>4.40</i> <i>176.00</i>
	@
TOTAL <i>2967.35</i>	

CHARGE TO: *Empire Energy*

STREET

CITY STATE ZIP

PLUG & FLOAT EQUIPMENT

<i>8 5/8 Woodstock</i>	@	<i>107.69</i>
	@	
	@	
	@	
		TOTAL <i>107.69</i>

To: Allied Oil & Gas Services, 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.

SALES TAX (If Any)

TOTAL CHARGES *8,283.47*

DISCOUNT *2,485.04* IF PAID IN 30 DAYS

5,798.42 Net.

PRINTED NAME *Nick Henderson*

SIGNATURE *[Signature]*



DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313
DRILL-STEM TEST TICKET
FILE: RDZKB1-11DST1

TIME ON: 2355 (9/18)
TIME OFF: 0815 (9/19)

Company EMPIRE ENERGY E&P, LLC Lease & Well No. RUDZIK B #11-1
Contractor DUKE RIG 10 Charge to EMPIRE ENERGY E&P, LLC
Elevation 2669 KB Formation KC D,E,F Effective Pay _____ Ft. Ticket No. M548
Date 9/18/2013 Sec. 11 Twp. 14 S Range 30 W County GOVE State KANSAS
Test Approved By JOHN GOLDSMITH Diamond Representative MIKE COCHRAN

Formation Test No. 1 Interval Tested from 3842 ft. to 3907 ft. Total Depth 3907 ft.
Packer Depth 3837 ft. Size 6 3/4 in. Packer depth N/A ft. Size 6 3/4 in.
Packer Depth 3842 ft. Size 6 3/4 in. Packer depth NA ft. Size 6 3/4 in.

Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 3824 ft. Recorder Number 0063 Cap. 6,000 P.S.I.
Bottom Recorder Depth (Outside) 3904 ft. Recorder Number 6884 Cap. 6,275 P.S.I.
Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.

Mud Type CHEM Viscosity 69 Drill Collar Length 0 ft. I.D. 2 1/4 in.
Weight 8.9 Water Loss 8.0 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.
Chlorides 500 P.P.M. Drill Pipe Length 3810 ft. I.D. 3 1/2 in.
Jars: Make STERLING Serial Number 1 Test Tool Length 32 ft. Tool Size 3 1/2-IF in.
Did Well Flow? NO Reversed Out NO Anchor Length 65 ft. Size 4 1/2-FH in.
Main Hole Size 7 7/8 Tool Joint Size 4 1/2 XH in. 32' DP Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: WSB, INC TO 10 1/2" (NO BB)
2nd Open: VWSB, BOB 39 MIN (NO BB)

Recovered 185 ft. of WM 100% MUD W/ A TRACE OF WTR
Recovered 115 ft. of VSOSMW 95% WTR, 5% MUD W/ SOME SPECKS OF OIL
Recovered 300 ft. of TOTAL FLUID

Recovered _____ ft. of _____	Price Job
Recovered _____ ft. of <u>CHLOR: 40,000 PPM</u>	Other Charges
Recovered _____ ft. of <u>RW: .24 @ 65DEG</u>	Insurance
Remarks: <u>PH: 7.0</u>	
<u>TOOL SAMPLE: 99% WTR, 1% MUD W/ SOME SPOTS OF OIL, GASSY BUBBLES</u>	Total

Time Set Packer(s) 2:00 A.M. A.M. P.M. Time Started Off Bottom 5:00 A.M. A.M. P.M. Maximum Temperature 128

Initial Hydrostatic Pressure..... (A) 1808 P.S.I.
Initial Flow Period..... Minutes 30 (B) 10 P.S.I. to (C) 75 P.S.I.
Initial Closed In Period..... Minutes 45 (D) 909 P.S.I.
Final Flow Period..... Minutes 45 (E) 78 P.S.I. to (F) 150 P.S.I.
Final Closed In Period..... Minutes 60 (G) 866 P.S.I.
Final Hydrostatic Pressure..... (H) 1800 P.S.I.

Diamond Testing shall not be liable for damages of any kind to the property or personnel of the one for whom a test is made or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statement or opinion concerning the result of any test. Tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.

DIAMOND TESTING

Pressure Survey Report

General Information

Company Name	EMPIRE ENERGY E&P, LLC	Job Number	M548
Well Name	RUDZIK B #11-1	Representative	MIKE COCHRAN
Unique Well ID	DST#1 3842-3907 KC D,E,F	Well Operator	EMPIRE ENERGY E&P, LLC
Surface Location	SEC.11-14S-30W GOVE CO.KS.	Report Date	2013/09/19
Field	WILDCAT	Prepared By	MIKE COCHRAN
Well Type	Vertical	Qualified By	JOHN GOLDSMITH
		Test Unit	NO. 1

Test Information

Test Type	CONVENTIONAL		
Formation	DST#1 3842-3907 KC D,E,F		
Test Purpose (AEUB)	Initial Test		
Start Test Date	2013/09/18	Start Test Time	23:55:00
Final Test Date	2013/09/19	Final Test Time	08:15:00
		Well Fluid Type	01 Oil
Gauge Name	0063		
Gauge Serial Number			

Test Results

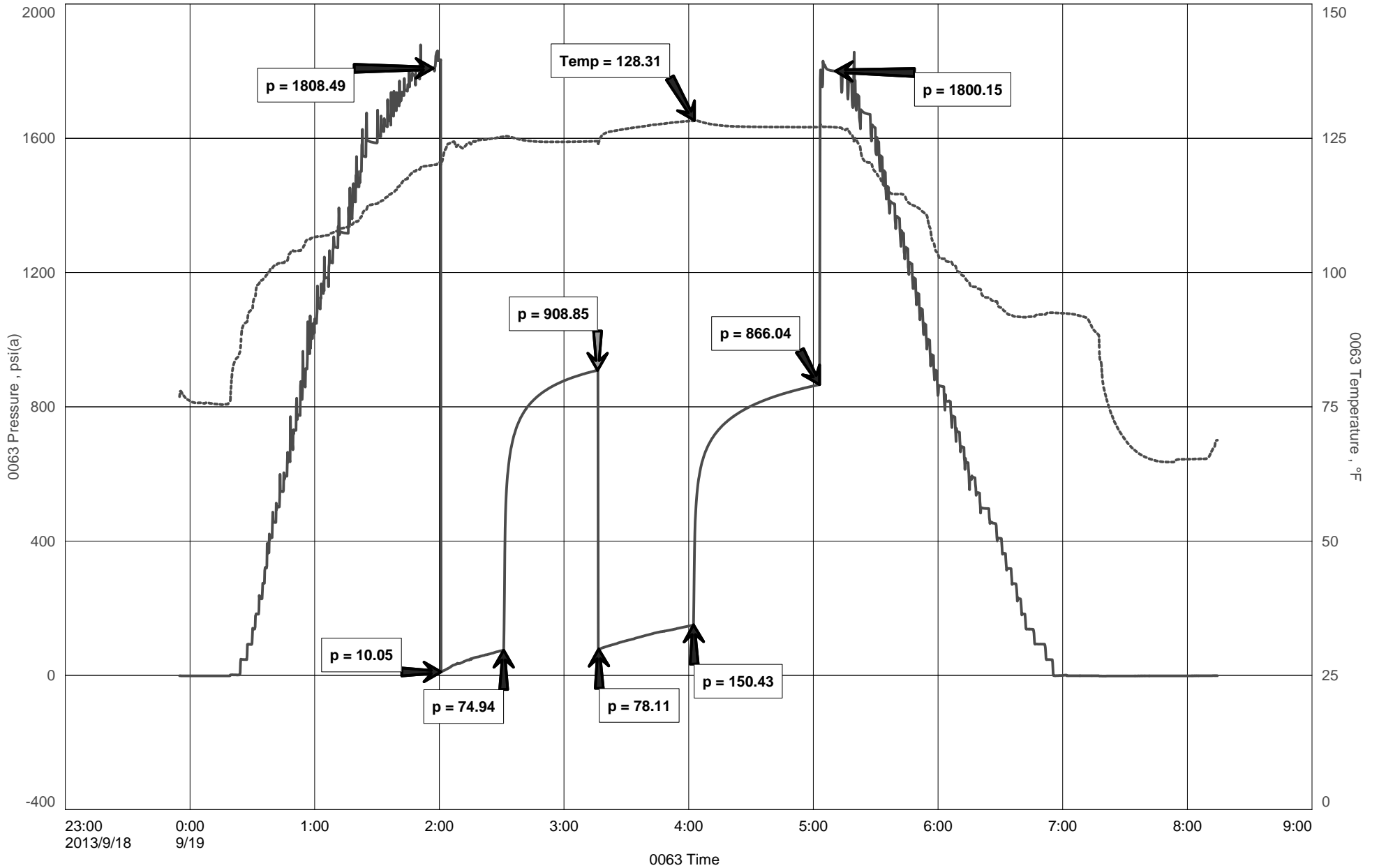
Remarks **RECOVERED:**

185' WM 100% MUD W/ A TRACE OF WTR
115' VSOSMW 95% WTR, 5% MUD W/ SOME SPECKS OF OIL
300' TOTAL FLUID

CHLOR: 40,000 PPM
PH:7.0
RW: .24 @ 65 DEG

TOOL SAMPLE: 99% WTR, 1% MUD W/ SOME SPOTS OF OIL, GASSY BUBBLES

RUDZIK B #11-1



DIAMOND TESTING

Pressure Survey Report

General Information

Company Name	EMPIRE ENERGY E&P, LLC	Job Number	M549
Well Name	RUDZIK B #11-1	Representative	MIKE COCHRAN
Unique Well ID	DST#2 3974-4010 I ZONE	Well Operator	EMPIRE ENERGY E&P, LLC
Surface Location	SEC.11-14S-30W GOVE CO.KS.	Report Date	2013/09/20
Field	WILDCAT	Prepared By	MIKE COCHRAN
Well Type	Vertical	Qualified By	KENT MATSON
		Test Unit	NO. 1

Test Information

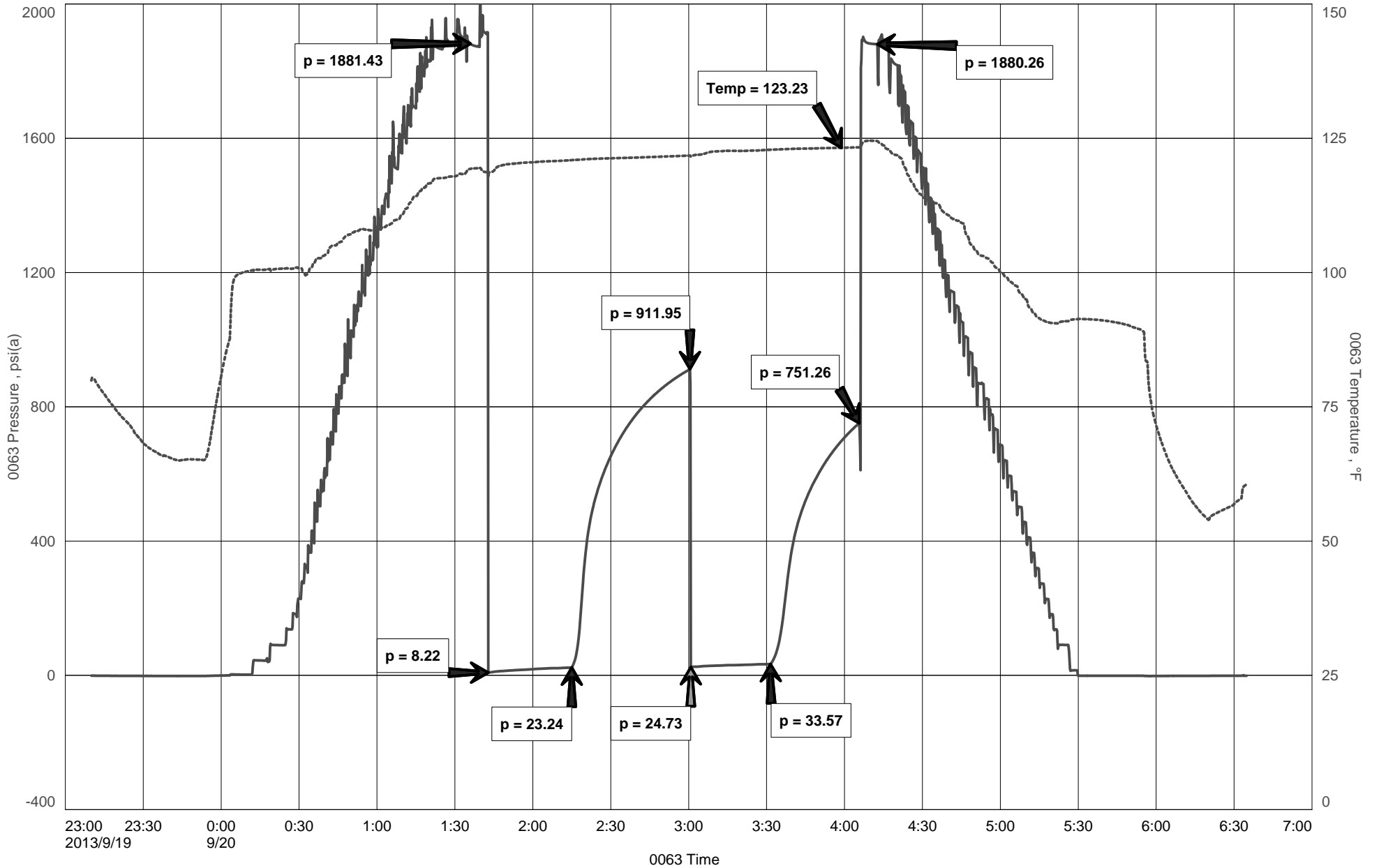
Test Type	CONVENTIONAL		
Formation	DST#2 3974-4010 I ZONE		
Test Purpose (AEUB)	Initial Test		
Start Test Date	2013/09/19	Start Test Time	23:10:00
Final Test Date	2013/09/20	Final Test Time	06:35:00
		Well Fluid Type	01 Oil
Gauge Name	0063		
Gauge Serial Number			

Test Results

Remarks RECOVERED:
15' DM 100% MUD W/ SOME SPOTS OF OIL, GASSY BUBBLES
15' TOTAL FLUID

TOOL SAMPLE: ~1% GAS, ~1% TARRY LOOKING OIL, 98% MUD

RUDZIK B #11-1





DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313
DRILL-STEM TEST TICKET
FILE: RDZKB1-11DST2

TIME ON: 2310 (9/19)
TIME OFF: 0635 (9/20)

Company EMPIRE ENERGY E&P, LLC Lease & Well No. RUDZIK B #11-1
Contractor DUKE RIG 10 Charge to EMPIRE ENERGY E&P, LLC
Elevation 2669 KB Formation I ZONE Effective Pay _____ Ft. Ticket No. M549
Date 9/19/2013 Sec. 11 Twp. _____ 14 S Range _____ 30 W County GOVE State KANSAS
Test Approved By KENT MATSON Diamond Representative MIKE COCHRAN

Formation Test No. 2 Interval Tested from 3974 ft. to 4010 ft. Total Depth 4010 ft.
Packer Depth 3969 ft. Size 6 3/4 in. Packer depth N/A ft. Size 6 3/4 in.
Packer Depth 3974 ft. Size 6 3/4 in. Packer depth NA ft. Size 6 3/4 in.

Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 3956 ft. Recorder Number 0063 Cap. 6,000 P.S.I.
Bottom Recorder Depth (Outside) 4007 ft. Recorder Number 6884 Cap. 6,275 P.S.I.
Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.

Mud Type CHEM Viscosity 60 Drill Collar Length 90 ft. I.D. 2 1/4 in.
Weight 9.0 Water Loss 8.0 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.
Chlorides 500 P.P.M. Drill Pipe Length 3852 ft. I.D. 3 1/2 in.
Jars: Make STERLING Serial Number 1 Test Tool Length 32 ft. Tool Size 3 1/2-IF in.
Did Well Flow? NO Reversed Out NO Anchor Length 36 ft. Size 4 1/2-FH in.
Main Hole Size 7 7/8 Tool Joint Size 4 1/2 XH in. Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: SSB THAT BUILT TO 1 1/4" THEN AFTER 17 MIN DIMINISHING TO 1/2" @ SHUT IN (NO BB)
2nd Open: NO BLOW (NO BB)

Recovered <u>15</u> ft. of <u>DM 100% MUD W/ SOME SPOTS OF OIL, GASSY BUBBLES</u>	
Recovered <u>15</u> ft. of <u>TOTAL FLUID</u>	
Recovered _____ ft. of _____	
Recovered _____ ft. of _____	
Recovered _____ ft. of _____	Price Job
Recovered _____ ft. of _____	Other Charges
Remarks: _____	Insurance
TOOL SAMPLE: <u>~1% GAS, ~1% TARRY LOOKING OIL, 98% MUD</u>	Total

Time Set Packer(s) 1:45 A.M. A.M. P.M. Time Started Off Bottom 4:00 A.M. A.M. P.M. Maximum Temperature 123

Initial Hydrostatic Pressure..... (A) 1881 P.S.I.
Initial Flow Period..... Minutes 30 (B) 8 P.S.I. to (C) 23 P.S.I.
Initial Closed In Period..... Minutes 45 (D) 912 P.S.I.
Final Flow Period..... Minutes 30 (E) 25 P.S.I. to (F) 34 P.S.I.
Final Closed In Period..... Minutes 30 (G) 751 P.S.I.
Final Hydrostatic Pressure..... (H) 1880 P.S.I.

Diamond Testing shall not be liable for damages of any kind to the property or personnel of the one for whom a test is made or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statement or opinion concerning the result of any test. Tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.



DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313
DRILL-STEM TEST TICKET
FILE: RDZKB1-11DST3

TIME ON: 1510
TIME OFF: 2320

Company EMPIRE ENERGY E&P, LLC Lease & Well No. RUDZIK B #11-1
Contractor DUKE RIG 10 Charge to EMPIRE ENERGY E&P, LLC
Elevation 2669 KB Formation FT.SCOTT Effective Pay _____ Ft. Ticket No. M550
Date 9/21/2013 Sec. 11 Twp. 14 S Range 30 W County GOVE State KANSAS
Test Approved By KENT MATSON Diamond Representative MIKE COCHRAN

Formation Test No. 3 Interval Tested from 4274 ft. to 4310 ft. Total Depth 4310 ft.
Packer Depth 4269 ft. Size 6 3/4 in. Packer depth N/A ft. Size 6 3/4 in.
Packer Depth 4274 ft. Size 6 3/4 in. Packer depth NA ft. Size 6 3/4 in.

Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 4256 ft. Recorder Number 0063 Cap. 6,000 P.S.I.
Bottom Recorder Depth (Outside) 4307 ft. Recorder Number 6884 Cap. 6,275 P.S.I.
Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.

Mud Type CHEM Viscosity 68 Drill Collar Length 178 ft. I.D. 2 1/4 in.
Weight 9.4 Water Loss 8.0 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.
Chlorides 1,000 P.P.M. Drill Pipe Length 4064 ft. I.D. 3 1/2 in.
Jars: Make STERLING Serial Number 1 Test Tool Length 32 ft. Tool Size 3 1/2-IF in.
Did Well Flow? NO Reversed Out NO Anchor Length 36 ft. Size 4 1/2-FH in.
Main Hole Size 7 7/8 Tool Joint Size 4 1/2 XH in. Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: VWSB, INCREASED TO 4 1/4 (NO BB)
2nd Open: SSB, 3" RIGHT AWAY, BUILDING TO 11" (NO BB)

Recovered 40 ft. of GMCO 11% GAS, 55% OIL, 34% MUD GRAVITY: 31.0 @ 60°

Recovered 40 ft. of TOTAL FLUID

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Remarks: _____

TOOL SAMPLE: 2% GAS, 55% OIL, 43% MUD Total _____

Time Set Packer(s) 5:30 P.M. ^{A.M.} P.M. Time Started Off Bottom 8:30 P.M. ^{A.M.} P.M. Maximum Temperature 132

Initial Hydrostatic Pressure..... (A) 2033 P.S.I.
Initial Flow Period..... Minutes 30 (B) 8 P.S.I. to (C) 21 P.S.I.
Initial Closed In Period..... Minutes 45 (D) 994 P.S.I.
Final Flow Period..... Minutes 45 (E) 22 P.S.I. to (F) 32 P.S.I.
Final Closed In Period..... Minutes 60 (G) 961 P.S.I.
Final Hydrostatic Pressure..... (H) 2015 P.S.I.

Diamond Testing shall not be liable for damages of any kind to the property or personnel of the one for whom a test is made or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statement or opinion concerning the result of any test. Tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.

DIAMOND TESTING

Pressure Survey Report

General Information

Company Name	EMPIRE ENERGY E&P, LLC	Job Number	M550
Well Name	RUDZIK B #11-1	Representative	MIKE COCHRAN
Unique Well ID	DST#3 4274-4310 FT.SCOTT	Well Operator	EMPIRE ENERGY E&P, LLC
Surface Location	SEC.11-14S-30W GOVE CO.KS.	Report Date	2013/09/21
Field	WILDCAT	Prepared By	MIKE COCHRAN
Well Type	Vertical	Qualified By	KENT MATSON
		Test Unit	NO. 1

Test Information

Test Type	CONVENTIONAL		
Formation	DST#3 4274-4310 FT.SCOTT		
Test Purpose (AEUB)	Initial Test		
Start Test Date	2013/09/21	Start Test Time	15:10:00
Final Test Date	2013/09/21	Final Test Time	23:20:00
		Well Fluid Type	01 Oil
Gauge Name	0063		
Gauge Serial Number			

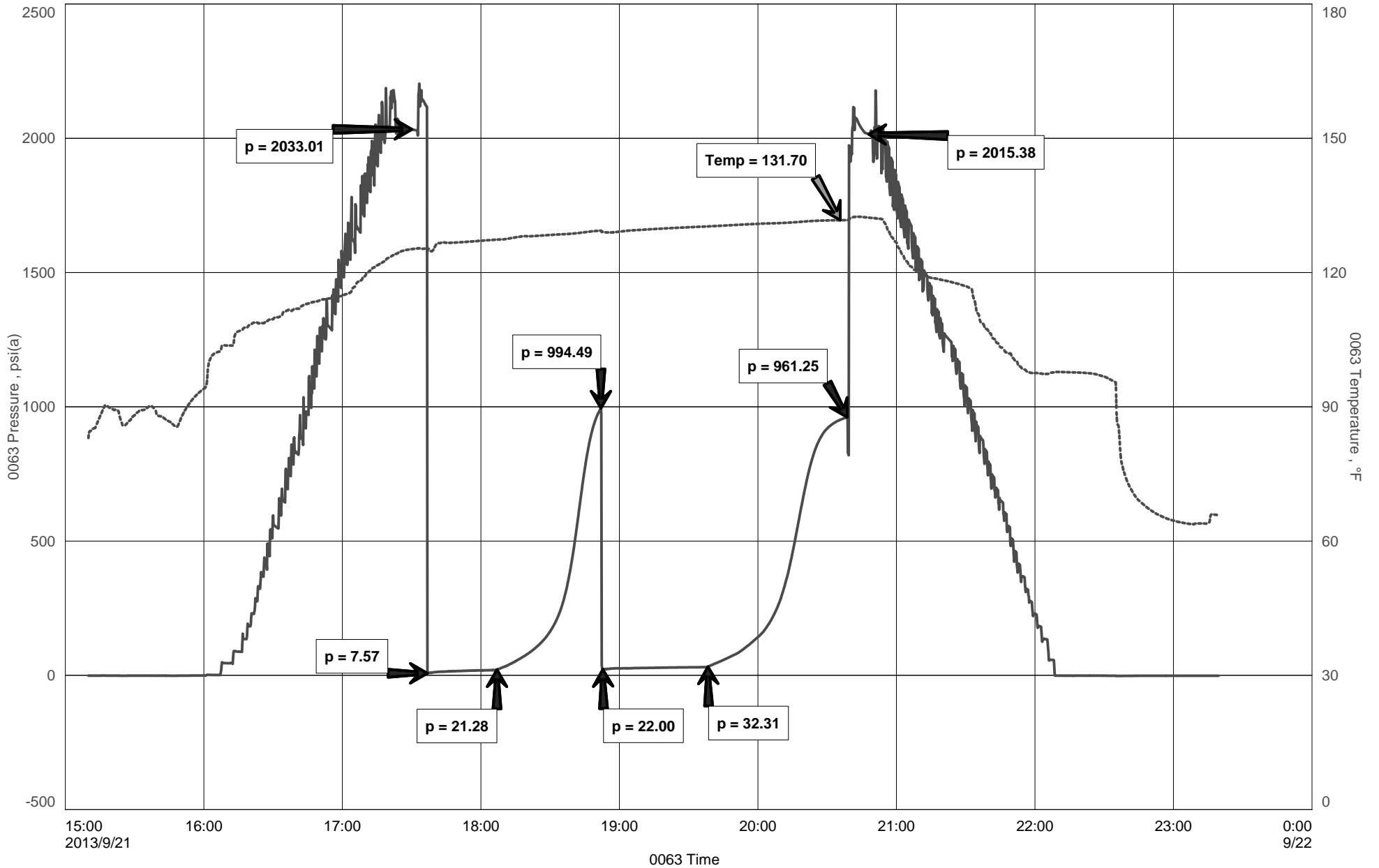
Test Results

Remarks **RECOVERED:**
40' GMCO 11% GAS, 55% OIL, 34% MUD
40' TOTAL FLUID

GRAVITY: 31.0 @ 60 DEG

TOOL SAMPLE: 2% GAS, 55% OIL, 43% MUD

RUDZIK B #11-1





DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313
DRILL-STEM TEST TICKET
FILE: RDZKB1-11DST4

TIME ON: 0820
TIME OFF: 1705

Company EMPIRE ENERGY E&P, LLC Lease & Well No. RUDZIK B #11-1
Contractor DUKE RIG 10 Charge to EMPIRE ENERGY E&P, LLC
Elevation 2669 KB Formation CHEROKEE Effective Pay _____ Ft. Ticket No. M551
Date 9/22/2013 Sec. 11 Twp. 14 S Range 30 W County GOVE State KANSAS
Test Approved By KENT MATSON Diamond Representative MIKE COCHRAN

Formation Test No. 4 Interval Tested from 4308 ft. to 4338 ft. Total Depth 4338 ft.
Packer Depth 4303 ft. Size 6 3/4 in. Packer depth N/A ft. Size 6 3/4 in.
Packer Depth 4308 ft. Size 6 3/4 in. Packer depth NA ft. Size 6 3/4 in.

Depth of Selective Zone Set _____
Top Recorder Depth (Inside) 4290 ft. Recorder Number 0063 Cap. 6,000 P.S.I.
Bottom Recorder Depth (Outside) 4335 ft. Recorder Number 6884 Cap. 6,275 P.S.I.
Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.

Mud Type CHEM Viscosity 72 Drill Collar Length 178 ft. I.D. 2 1/4 in.
Weight 9.2 Water Loss 7.2 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.
Chlorides 2,000 P.P.M. Drill Pipe Length 4098 ft. I.D. 3 1/2 in.
Jars: Make STERLING Serial Number 1 Test Tool Length 32 ft. Tool Size 3 1/2-IF in.
Did Well Flow? NO Reversed Out NO Anchor Length 30 ft. Size 4 1/2-FH in.
Main Hole Size 7 7/8 Tool Joint Size 4 1/2 XH in. Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: WSB, BUILT TO AND MAINTANED AN INTERMITTENT 3/4" BLOW (NO BB)
2nd Open: A WEAK INTERMITTENT SURFACE BLOW FOR 27 MIN THEN DIED (NO BB)

Recovered <u>~2</u> ft. of <u>VSOSM 100% MUD W/ A SCUM OF OIL</u>	
Recovered <u>~2</u> ft. of <u>TOTAL FLUID</u>	
Recovered _____ ft. of _____	
Recovered _____ ft. of _____	
Recovered _____ ft. of _____	Price Job
Recovered _____ ft. of _____	Other Charges
Remarks: _____	Insurance
TOOL SAMPLE: <u>100% MUD W/ A SCUM OF OIL</u>	Total

Time Set Packer(s) 11:15 A.M. ^{A.M.} P.M. Time Started Off Bottom 2:15 P.M. ^{A.M.} P.M. Maximum Temperature 129
Initial Hydrostatic Pressure..... (A) 2052 P.S.I.
Initial Flow Period..... Minutes 30 (B) 8 P.S.I. to (C) 11 P.S.I.
Initial Closed In Period..... Minutes 45 (D) 861 P.S.I.
Final Flow Period..... Minutes 45 (E) 13 P.S.I. to (F) 16 P.S.I.
Final Closed In Period..... Minutes 60 (G) 853 P.S.I.
Final Hydrostatic Pressure..... (H) 2034 P.S.I.

Diamond Testing shall not be liable for damages of any kind to the property or personnel of the one for whom a test is made or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statement or opinion concerning the result of any test. Tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.

DIAMOND TESTING

Pressure Survey Report

General Information

Company Name	EMPIRE ENERGY E&P, LLC	Job Number	M551
Well Name	RUDZIK B #11-1	Representative	MIKE COCHRAN
Unique Well ID	DST#4 4308-4338 CHEROKEE	Well Operator	EMPIRE ENERGY E&P, LLC
Surface Location	SEC.11-14S-30W GOVE CO.KS.	Report Date	2013/09/22
Field	WILDCAT	Prepared By	MIKE COCHRAN
Well Type	Vertical	Qualified By	KENT MATSON
		Test Unit	NO. 1

Test Information

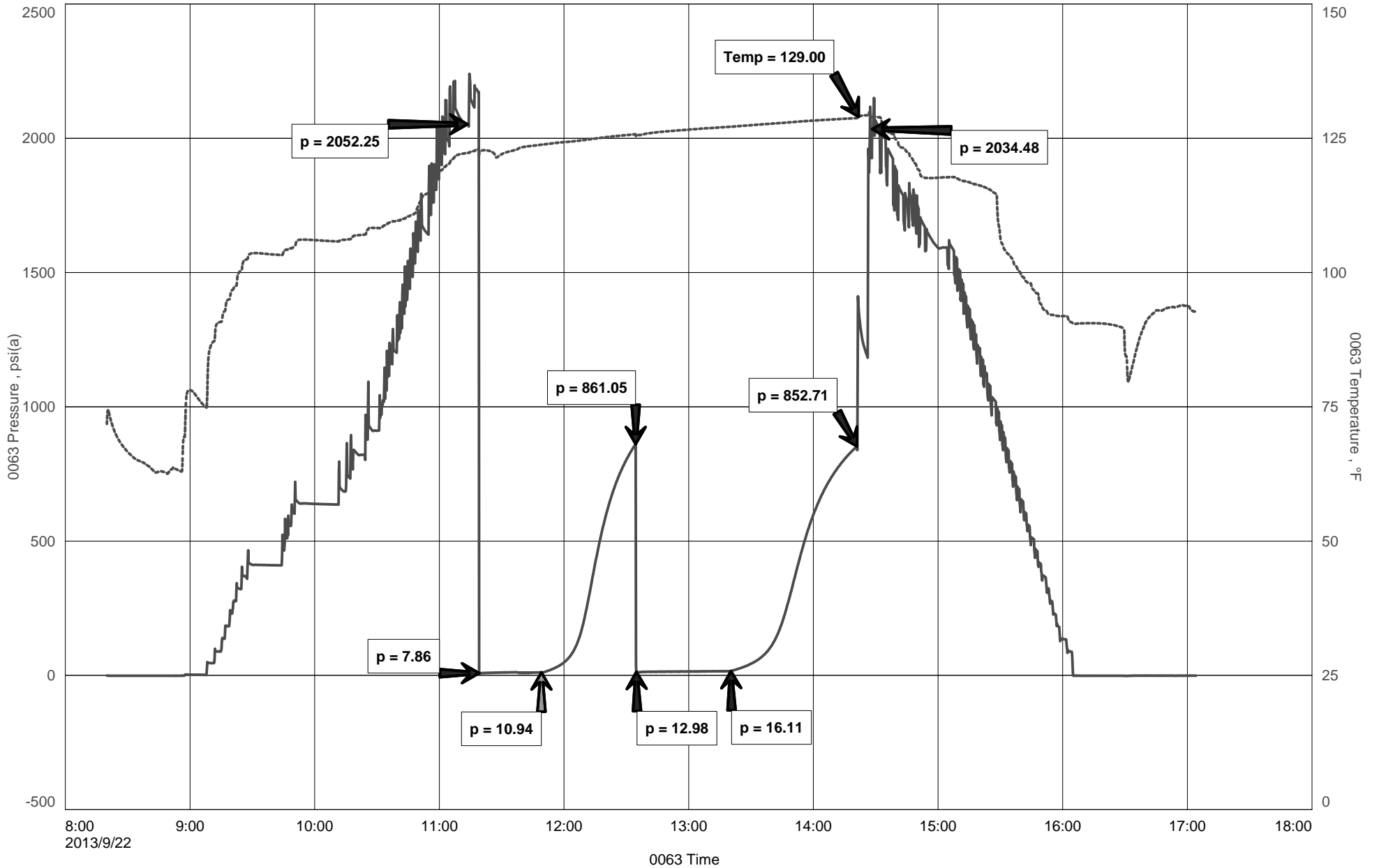
Test Type	CONVENTIONAL		
Formation	DST#4 4308-4338 CHEROKEE		
Test Purpose (AEUB)	Initial Test		
Start Test Date	2013/09/22	Start Test Time	08:20:00
Final Test Date	2013/09/22	Final Test Time	17:05:00
		Well Fluid Type	01 Oil
Gauge Name	0063		
Gauge Serial Number			

Test Results

Remarks RECOVERED:
~2' VSOSM 100% MUD W/ A SCUM OF OIL
~2' TOTAL FLUID

TOOL SAMPLE:100% MUD W/ A SCUM OF OIL

RUDZIK B #11-1





DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313
DRILL-STEM TEST TICKET
FILE: RDZKB1-11DST5

TIME ON: 0900
TIME OFF: 1835

Company EMPIRE ENERGY E&P, LLC Lease & Well No. RUDZIK B #11-1
Contractor DUKE RIG 10 Charge to EMPIRE ENERGY E&P, LLC
Elevation 2669 KB Formation MISSISSIPPIAN Effective Pay _____ Ft. Ticket No. M552
Date 9/23/2013 Sec. 11 Twp. 14 S Range 30 W County GOVE State KANSAS
Test Approved By KENT MATSON Diamond Representative MIKE COCHRAN

Formation Test No. 5 Interval Tested from 4362 ft. to 4400 ft. Total Depth 4400 ft.
Packer Depth 4357 ft. Size 6 3/4 in. Packer depth N/A ft. Size 6 3/4 in.
Packer Depth 4362 ft. Size 6 3/4 in. Packer depth NA ft. Size 6 3/4 in.

Depth of Selective Zone Set _____
Top Recorder Depth (Inside) 4344 ft. Recorder Number 0063 Cap. 6,000 P.S.I.
Bottom Recorder Depth (Outside) 4397 ft. Recorder Number 6884 Cap. 6,275 P.S.I.
Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.

Mud Type CHEM Viscosity 70 Drill Collar Length 178 ft. I.D. 2 1/4 in.
Weight 9.2 Water Loss 8.0 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.
Chlorides 2,000 P.P.M. Drill Pipe Length 4152 ft. I.D. 3 1/2 in.
Jars: Make STERLING Serial Number 1 Test Tool Length 32 ft. Tool Size 3 1/2-IF in.
Did Well Flow? NO Reversed Out NO Anchor Length 38 ft. Size 4 1/2-FH in.
Main Hole Size 7 7/8 Tool Joint Size 4 1/2 XH in. Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: A WEAK INTERMITTENT SURFACE BLOW THROUGHOUT (NO BB)
2nd Open: A VERY WEAK INTERMITTENT SURFACE BLOW THAT DIED AFTER 17 MIN (NO BB)

Recovered ~15 ft. of DM 100% MUD W/ A FEW SPOTS OF OIL UP TOP
Recovered ~15 ft. of TOTAL FLUID
Recovered _____ ft. of _____
Recovered _____ ft. of _____

Recovered _____ ft. of _____	Price Job
Recovered _____ ft. of _____	Other Charges
Remarks: _____	Insurance
TOOL SAMPLE: <u>~1% EMULSIFIED OIL, ~99% MUD W/ A FEW GASSY BUBBLES</u>	Total

Time Set Packer(s) 11:45 A.M. ^{A.M.}/_{P.M.} Time Started Off Bottom 3:15 P.M. ^{A.M.}/_{P.M.} Maximum Temperature 130

Initial Hydrostatic Pressure..... (A) 2070 P.S.I.
Initial Flow Period..... Minutes 60 (B) 6 P.S.I. to (C) 15 P.S.I.
Initial Closed In Period..... Minutes 60 (D) 1118 P.S.I.
Final Flow Period..... Minutes 30 (E) 17 P.S.I. to (F) 20 P.S.I.
Final Closed In Period..... Minutes 60 (G) 1098 P.S.I.
Final Hydrostatic Pressure..... (H) 2040 P.S.I.

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DIAMOND TESTING

Pressure Survey Report

General Information

Company Name	EMPIRE ENERGY E&P, LLC	Job Number	M552
Well Name	RUDZIK B #11-1	Representative	MIKE COCHRAN
Unique Well ID	DST#5 4362-4400 MISSISSIPPIAN	Well Operator	EMPIRE ENERGY E&P, LLC
Surface Location	SEC.11-14S-30W GOVE CO.KS.	Report Date	2013/09/23
Field	WILDCAT	Prepared By	MIKE COCHRAN
Well Type	Vertical	Qualified By	KENT MATSON
		Test Unit	NO. 1

Test Information

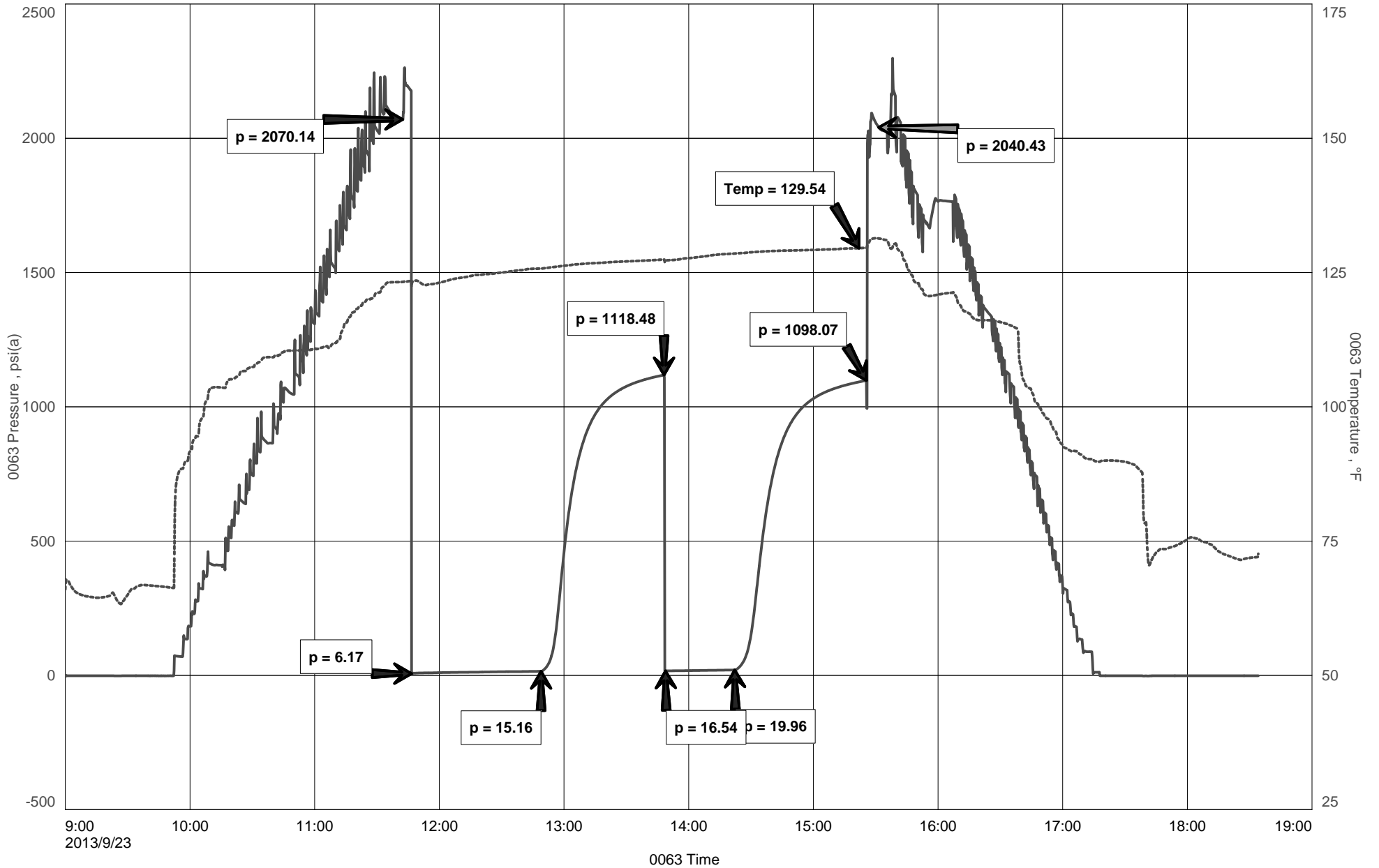
Test Type	CONVENTIONAL		
Formation	DST#5 4362-4400 MISSISSIPPIAN		
Test Purpose (AEUB)	Initial Test		
Start Test Date	2013/09/23	Start Test Time	09:00:00
Final Test Date	2013/09/23	Final Test Time	18:35:00
		Well Fluid Type	01 Oil
Gauge Name	0063		
Gauge Serial Number			

Test Results

Remarks **RECOVERED:**
~15' DM 100% MUD W/ A FEW SPOTS OF OIL UP TOP
~15' TOTAL FLUID

TOOL SAMPLE: ~1% EMULSIFIED OIL, ~99% MUD W/ A FEW GASSY BUBBLES

RUDZIK B #11-1



DIAMOND TESTING

Pressure Survey Report

General Information

Company Name	EMPIRE ENERGY E&P, LLC	Job Number	M553
Well Name	RUDZIK B #11-1	Representative	MIKE COCHRAN
Unique Well ID	DST#6 4349-4377 JOHNSON STRADDLE	Well Operator	EMPIRE ENERGY E&P, LLC
Surface Location	SEC.11-14S-30W GOVE CO.KS.	Report Date	2013/09/25
Field	WILDCAT	Prepared By	MIKE COCHRAN
Well Type	Vertical	Qualified By	KENT MATSON
		Test Unit	NO. 1

Test Information

Test Type	CONVENTIONAL		
Formation	DST#6 4349-4377 JOHNSON STRADDLE		
Test Purpose (AEUB)	Initial Test		
Start Test Date	2013/09/24	Start Test Time	19:40:00
Final Test Date	2013/09/25	Final Test Time	04:15:00
		Well Fluid Type	01 Oil
Gauge Name	0063		
Gauge Serial Number			

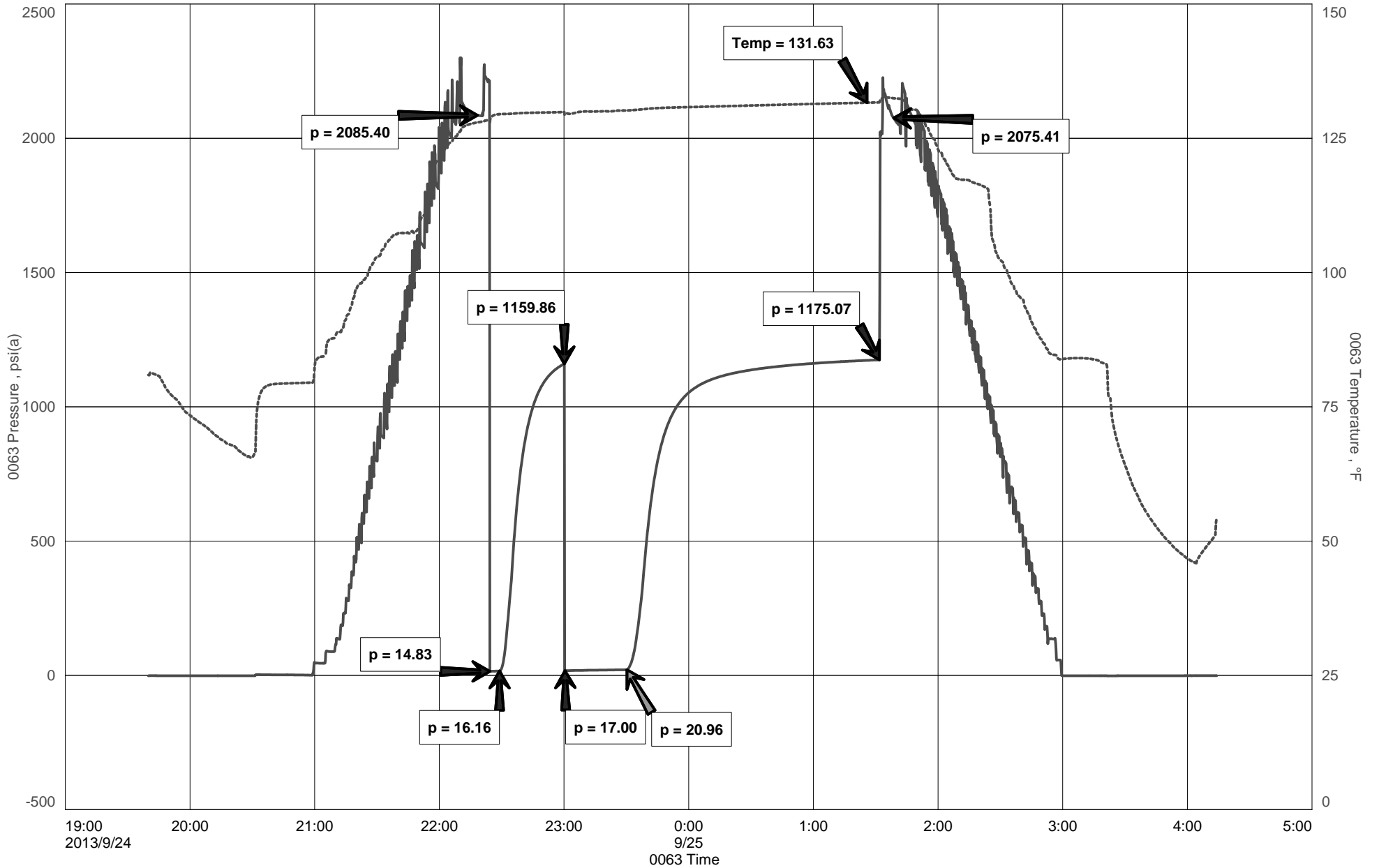
Test Results

Remarks **RECOVERED:**
~15' GDM 100% MUD W/ SOME GASSY BUBBLES
~15' TOTAL FLUID

BELOW STRADDLE PSI: 1307

TOOL SAMPLE: 100% MUD W/ A VERY THIN SCUM OF OIL, SLIGHT ODOR

RUDZIK B #11-1





DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313
DRILL-STEM TEST TICKET
FILE: RDZKB1-11DST6

TIME ON: 1940 (9/24)
TIME OFF: 0415 (9/25)

Company EMPIRE ENERGY E&P, LLC Lease & Well No. RUDZIK B #11-1
Contractor DUKE RIG 10 Charge to EMPIRE ENERGY E&P, LLC
Elevation 2669 KB Formation JOHNSON Effective Pay 28 Ft. Ticket No. M553
Date 9/24/2013 Sec. 11 Twp. 14 S Range 30 W County GOVE State KANSAS
Test Approved By KENT MATSON Diamond Representative MIKE COCHRAN

Formation Test No. 6 Interval Tested from 4349 ft. to 4377 ft. Total Depth 4540 RTD ft.
Packer Depth 4344 ft. Size 6 3/4 in. Packer depth 4377 ft. Size 6 3/4 in.
Packer Depth 4349 ft. Size 6 3/4 in. Packer depth NA ft. Size 6 3/4 in.
Depth of Selective Zone Set 4377

Top Recorder Depth (Inside) 4331 ft. Recorder Number 0063 Cap. 6,000 P.S.I.
Bottom Recorder Depth (Outside) 4371 ft. Recorder Number 6884 Cap. 6,275 P.S.I.
Below Straddle Recorder Depth 4347 ft. Recorder Number E1150 Cap. 6,125 P.S.I.

Mud Type CHEM Viscosity 70 Drill Collar Length 178 ft. I.D. 2 1/4 in.
Weight 9.2 Water Loss 9.6 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.
Chlorides 3,000 P.P.M. Drill Pipe Length 4302 ft. I.D. 3 1/2 in.
Jars: Make STERLING Serial Number 1 Test Tool Length 32 ft. Tool Size 3 1/2-IF in.
Did Well Flow? NO Reversed Out NO Anchor Length 28 ft. Size 4 1/2-FH in.
Main Hole Size 7 7/8 Tool Joint Size 4 1/2 XH in. Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: GSB, INCREASED. TO 3/4" (NO BB)
2nd Open: WSB, INC.. TO 1/4" DEAD @ 8 MIN (NO BB)

Recovered ~15 ft. of GDM 100% MUD W/ SOME GASSY BUBBLES
Recovered ~15 ft. of TOTAL FLUID
Recovered ft. of
Recovered ft. of
Recovered ft. of
Recovered ft. of
Remarks: BELOW STRADDLE PSI: 1307
TOOL SAMPLE: 100% MUD W/ A VERY THIN SCUM OF OIL, SLIGHT ODOR

Price Job	
Other Charges	
Insurance	
Total	

Time Set Packer(s) 10:25 P.M. ^{A.M.} P.M. Time Started Off Bottom 1:30 A.M. ^{A.M.} P.M. Maximum Temperature 132
Initial Hydrostatic Pressure..... (A) 2085 P.S.I.
Initial Flow Period..... Minutes 5 (B) 15 P.S.I. to (C) 16 P.S.I.
Initial Closed In Period..... Minutes 30 (D) 1160 P.S.I.
Final Flow Period..... Minutes 30 (E) 17 P.S.I. to (F) 21 P.S.I.
Final Closed In Period..... Minutes 120 (G) 1175 P.S.I.
Final Hydrostatic Pressure..... (H) 2075 P.S.I.

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RUDZIK B #11-1

