



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1171957
OIL & GAS CONSERVATION DIVISION

Form ACO-1
August 2013

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
- Plug Back Conv. to GSW Conv. to Producer
- Commingled Permit #: _____
- Dual Completion Permit #: _____
- SWD Permit #: _____
- ENHR Permit #: _____
- GSW Permit #: _____

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

GPS Location: Lat: _____, Long: _____
(e.g. xx.xxxxx) (e.g. -xxx.xxxxx)

Datum: NAD27 NAD83 WGS84

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total Vertical 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

- Confidentiality Requested
Date: _____
- Confidential Release Date: _____
- Wireline Log Received
- Geologist Report Received
- UIC Distribution
- ALT I II III Approved by: _____ Date: _____

1171957

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

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

INSTRUCTIONS: Show important tops 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.

Final Radioactivity Log, Final Logs run to obtain Geophysical Data and Final Electric Logs must be emailed to kcc-well-logs@kcc.ks.gov. Digital electronic log files must be submitted in LAS version 2.0 or newer AND an image file (TIFF or PDF).

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 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
<input type="checkbox"/> Perforate <input type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone				

Did you perform a hydraulic fracturing treatment on this well? Yes No *(If No, skip questions 2 and 3)*

Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? Yes No *(If No, skip question 3)*

Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry? Yes No *(If No, fill out Page Three of the ACO-1)*

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: <input type="checkbox"/> Yes <input type="checkbox"/> No
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Date of First, Resumed Production, SWD or ENHR.	Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other <i>(Explain)</i> _____
---	--

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

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> _____	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	Richlan Drilling, a General Partnership
Well Name	Rahm 3
Doc ID	1171957

All Electric Logs Run

Compensated Density / Neutron PE Log
Sonic Log
Dual Induction Log
Micro Log

Form	ACO1 - Well Completion
Operator	Richlan Drilling, a General Partnership
Well Name	Rahm 3
Doc ID	1171957

Tops

Name	Top	Datum
Stone Corral	1480	+745
B/Stone Carral	1514	+711
Heebner Shale	3701	-1476
Lansing	3748	-1523
Muncie Creek Shale	3905	-1680
BKC	4051	-1826
Marmaton	4097	-1872
Pawnee	4167	-1942
Fort Scott	4245	-2020
Cherokee Shale	4265	-2040
Sherokee Sd	4334	-2109
Mississippian Osg	4354	-2129
LTD	4486	-2261



INVOICE

PO Box 93999
Southlake, TX 76092

Invoice Number: 139913

Invoice Date: Nov 20, 2013

Voice: (817) 546-7282

Page: 1

Fax: (817) 246-3361

Bill To:
Richlan Drilling 598 2nd Avenue Beaver, KS 67525

Customer ID	Field Ticket #	Payment Terms	
Richlan	61060	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS1-01	Great Bend	Nov 20, 2013	12/20/13

Quantity	Item	Description	Unit Price	Amount
1.00	WELL NAME	Rahm #3		
160.00	CEMENT MATERIALS	Class A Common	17.90	2,864.00
3.00	CEMENT MATERIALS	Gel	23.40	70.20
451.00	CEMENT MATERIALS	Chloride	0.80	360.80
173.00	CEMENT SERVICE	Cubic Feet	2.48	429.04
55.23	CEMENT SERVICE	Ton Mileage	2.60	143.60
1.00	CEMENT SERVICE	Surface	1,512.25	1,512.25
7.00	CEMENT SERVICE	Pump Truck Mileage	7.70	53.90
7.00	CEMENT SERVICE	Light Vehicle Mileage	4.40	30.80
1.00	CEMENT SUPERVISOR	Dustin Chambers		
1.00	EQUIPMENT OPERATOR	Mike Scothorn		
1.00	OPERATOR ASSISTANT	Kevin Weighous		

ALL PRICES ARE NET, PAYABLE
30 DAYS FOLLOWING DATE OF
INVOICE. 1 1/2% CHARGED
THEREAFTER. IF ACCOUNT IS
CURRENT, TAKE DISCOUNT OF

\$ 1,092.92

ONLY IF PAID ON OR BEFORE

Dec 15, 2013

Subtotal	5,464.59
Sales Tax	202.64
Total Invoice Amount	5,667.23
Payment/Credit Applied	
TOTAL	5,667.23

PAID

CK NO | DATE

5657 | 12-5-13

4594.31

ALLIED OIL & GAS SERVICES, LLC 061060

Federal Tax I.D. # 20-8651475

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

SERVICE POINT: Cement Bend, KS

DATE <u>11/20/13</u>	SEC <u>22</u>	TWP. <u>19S</u>	RANGE <u>22W</u>	CALLED OUT	ON LOCATION	JOB START <u>9:30</u>	JOB FINISH <u>12:35</u>
LEASE <u>Rohan</u>	WELL# <u>3</u>	LOCATION <u>Bozine BBR</u>			COUNTY <u>Neosho</u>	STATE <u>KS</u>	
OLD OR NEW (Circle one) <u>NEW</u>			<u>5 1/2" x 5" w/c</u>				

CONTRACTOR Southwind #8

TYPE OF JOB Surface

HOLE SIZE 12 1/4" T.D.

CASING SIZE 6 5/8" DEPTH 257

TUBING SIZE DEPTH

DRILL PIPE 4 1/2" DEPTH

TOOL DEPTH

PRES. MAX MINIMUM

MEAS. LINE SHOE JOINT

CEMENT LEFT IN CSG. 15 bbls

PERFS.

DISPLACEMENT 15 bbls

OWNER _____

CEMENT AMOUNT ORDERED 160 SKS Class A

37 cc 7 1/2" gel

COMMON	<u>160</u>	@	<u>17.90</u>	<u>2864.00</u>
POZMIX		@		
GEL	<u>3</u>	@	<u>23.40</u>	<u>70.20</u>
CHLORIDE	<u>451</u>	@	<u>.80</u>	<u>360.80</u>
ASC		@		
		@		
		@		
		@		
		@		
		@		
		@		
		@		
HANDLING	<u>173</u>	@	<u>2.48</u>	<u>429.04</u>
MILEAGE	<u>789 x 7 x 2.60</u>			<u>143.60</u>
				TOTAL <u>3867.64</u>

REMARKS:

Break circulation with Rtg fluid
run 5 bbls fresh water ahead
mix 160 SKS cement
Displace 15 bbls Gypsum slurry in
Cement dry circulation
plug cement 10" depth
Rtg 120 min

SERVICE

DEPTH OF JOB	<u>257</u>		
PUMP TRUCK CHARGE			<u>1512.25</u>
EXTRA FOOTAGE		@	
MILEAGE	<u>HVM 7</u>	@	<u>7.70</u> <u>53.90</u>
MANIFOLD		@	
	<u>HVM 7</u>	@	<u>4.40</u> <u>30.80</u>
		@	

TOTAL 1596.95

CHARGE TO: Rochlan Prilling

STREET _____

CITY _____ STATE _____ ZIP _____

PLUG & FLOAT EQUIPMENT

	@		
	@		
	@		
	@		
	@		

TOTAL _____

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 5464.59

DISCOUNT - 1092.92 IF PAID IN 30 DAYS

\$ 4371.67

PRINTED NAME x Darrell Yaff

SIGNATURE [Signature]

Thank You!!

SWIFT



Services, Inc.

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



Invoice

DATE	INVOICE #
11/30/2013	25756

BILL TO
Richlan Drilling 598 2nd Ave. Beaver, KS 67525

- Acidizing
- Cement
- Tool Rental

TERMS	Well No.	Lease	County	Contractor	Well Type	Well Category	Job Purpose	Operator
Net 30	#3	Rahm	Ness	SouthWind Drilling	Oil	Development	Cement LongStri...	Blaine
PRICE REF.	DESCRIPTION				QTY	UM	UNIT PRICE	AMOUNT
575D	Mileage - 1 Way				20	Miles	6.00	120.00
578D-L	Pump Charge - Long String				1	Job	1,500.00	1,500.00
403-5	5 1/2" Cement Basket				2	Each	300.00	600.00T
404-5	5 1/2" Port Collar				1	Each	2,900.00	2,900.00T
406-5	5 1/2" Latch Down Plug & Baffle				1	Each	275.00	275.00T
407-5	5 1/2" Insert Float Shoe With Auto Fill				1	Each	375.00	375.00T
409-5	5 1/2" Turbolizer				10	Each	90.00	900.00T
330	Swift Multi-Density Standard (MIDCON II)				100	Sacks	18.50	1,850.00T
325	Standard Cement				100	Sacks	14.50	1,450.00T
284	Calseal				5	Sack(s)	35.00	175.00T
283	Salt				500	Lb(s)	0.20	100.00T
286	Halad-1 (Halad 9)				50	Lb(s)	8.50	425.00T
276	Flocele				50	Lb(s)	2.50	125.00T
281	Mud Flush				500	Gallon(s)	1.25	625.00T
221	Liquid KCL (Clayfix)				4	Gallon(s)	25.00	100.00T
581D	Service Charge Cement				200	Sacks	2.00	400.00
582D	Minimum Drayage Charge				1	Each	250.00	250.00
	Subtotal							12,170.00
	Sales Tax Ness County						6.15%	608.85

PAID

CK NO 5701 DATE 12-6-13

Thank You For Your Business & Best Wishes For A Wonderful Holiday Season!!

Total \$12,778.85



Services, Inc.

CHARGE TO: Ricklan Oil
 ADDRESS:
 CITY, STATE, ZIP CODE:

PAGE 1 OF 2

TICKET 25756

1. SERVICE LOCATIONS	WELL/PROJECT NO.	LEASE	COUNTY/PARISH	STATE	CITY	DATE	OWNER
New City KS	# 3	Ralm	Neosho	KS	Bazine	30 Nov 13	
2. TICKET TYPE	CONTRACTOR	RIG NAME/NO.	WELL CATEGORY	SHIPPED VIA	DELIVERED TO	ORDER NO.	
<input type="checkbox"/> SERVICE <input type="checkbox"/> SALES		5	DEVELOPMENT	WET	Location		
3. WELL TYPE	WELL INSTRUCTIONS	JOB PURPOSE	WELL PERMIT NO.	WELL LOCATION			
Oil		connect long string		32-19-22			

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.	UM	QTY.	UM	UNIT PRICE	AMOUNT
		LOC	ACCT	DF							
575					MILEAGE	20	ea			6.00	120.00
578					Pump Charge	1	ea			1500.00	1500.00
403					Convent Basket	5 1/2	in	2	ea	300.00	600.00
404					Port Collar	5 1/2	in	1	ea	2900.00	2900.00
406					Catch down plug 5 1/2" x 6 1/2"	5 1/2	in	1	ea	275.00	275.00
407					Insert float shoe w/ AUTO FILL	5 1/2	in	1	ea	375.00	375.00
409					Turbolizer	5 1/2	in	10	ea	90.00	900.00

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

MUST BE SIGNED BY CUSTOMER OR CUSTOMER'S AGENT PRIOR TO START OF WORK OR DELIVERY OF GOODS
 DATE SIGNED: [Signature] TIME SIGNED: [Signature]

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

SURVEY	OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?	WE UNDERSTOOD AND MET YOUR NEEDS?	OUR SERVICE WAS PERFORMED WITHOUT DELAY?	WE OPERATED THE EQUIPMENT AND PERFORMED JOB SATISFACTORILY?	ARE YOU SATISFIED WITH OUR SERVICE?	OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?	WE UNDERSTOOD AND MET YOUR NEEDS?	OUR SERVICE WAS PERFORMED WITHOUT DELAY?	WE OPERATED THE EQUIPMENT AND PERFORMED JOB SATISFACTORILY?	ARE YOU SATISFIED WITH OUR SERVICE?

CUSTOMER ACCEPTANCE OF MATERIALS AND SERVICES The customer hereby acknowledges receipt of the materials and services listed on this ticket.
 SWIFT OPERATOR: [Signature] APPROVAL: [Signature]
 TOTAL 12,778.85
 THANK YOU!



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

TICKET CONTINUATION

TICKET No. 25756

CUSTOMER: Ricklan O. I. WELL: Ralva # 3 DATE: 30 NOV 13 PAGE 21 OF 2

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			TIME	DESCRIPTION	WELL				UNIT PRICE	AMOUNT
		LOC	ACCT	DF			QTY.	U/M	QTY.	U/M		
330		1				SMD cement	100	sk			18.50	1850.00
225		1				STANDARD cement	100	sk			14.50	1450.00
284		1				Calseal	500	lb	5	sk	35.00	175.00
283		1				Salt	500	lb			0.20	100.00
286		1				halad-1	50	lb			8.50	425.00
276		1				fibrecle	50	lb			2.50	125.00
281		1				mudflush	500	gal			1.25	625.00
221		1				RCL Rapid		gal			25.00	100.00
584		1				Drusage (min)					250.00	250.00
581		1				Service Charge					2.00	400.00
						MILEAGE CHARGE	TOTAL WEIGHT	LOADED MILES	CUBIC FEET	TON MILES		
							20426	20	1.00			

CONTINUATION TOTAL 5500.00

JOB LOG

SWIFT Services, Inc.

DATE 30 NOV 13 PAGE NO.

CUSTOMER		WELL NO.		LEASE		JOB TYPE		TICKET NO.	
Richard Oil		#3		Rahm		cement long string		25756	
CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS	
				T	C	TUBING	CASING		
									100sk SMD w/ 1/4" floe, 100sk SA-2 w/ 1/4" floe
									5 1/2" x 14" casing 107 jts set = 4476
									shut 42, 15' Cent 1, 2, 3, 4, 5, 6, 7, 8, 10, 71
									Bit 8, 72 Port collar "22 1453'
	0400								on loc TRX 114
	0420								start 5 1/2" x 14" casing in well
	0615								Drop ball - circulate
	0715	4 3/4	12				200		Pump 500 gal mid flush
		4 3/4	20				200		Pump 20 bbl KCL flush
	0720		7						Plug RH - MH 30 sks - 20 sks
	0725	4 3/4	15				200		mix SMD ant 50 sks @ 13.8 ppg
		4 3/4	24				200		mix SA-2 cement 100 sks @ 15.3 ppg
	0850								work out pump & line Drop latch down plug
	0805	6 3/4					250		Displace plug
		6 3/4	105				750		
	0830	6 3/4	108				1500		Land plug
									Release pressure to truck - dried up
	0835								wash truck
									Rack up
	0900								job complete
									Ricks Craig, Flint & Blaine

SWIFT



Services, Inc.

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



Invoice

DATE	INVOICE #
12/11/2013	25907

BILL TO
Richlan Drilling 598 2nd Ave. Beaver, KS 67525

- Acidizing
- Cement
- Tool Rental

TERMS	Well No.	Lease	County	Contractor	Well Type	Well Category	Job Purpose	Operator
Net 30	#3	Rahm	Ness	DS&W Well Servi...	Oil	Development	Cement Port Collar	Jason
PRICE REF.	DESCRIPTION				QTY	UM	UNIT PRICE	AMOUNT
575D	Mileage - 1 Way				20	Miles	6.00	120.00
576D-D	Pump Charge - Port Collar				1	Job	1,500.00	1,500.00
105	Port Collar Tool Rental With Man				1	Each	350.00	350.00T
276	Flocele				50	Lb(s)	2.50	125.00T
290	D-Air				1.5	Gallon(s)	42.00	63.00T
330	Swift Multi-Density Standard (MIDCON II)				175	Sacks	18.50	3,237.50T
581D	Service Charge Cement				175	Sacks	2.00	350.00
582D	Minimum Drayage Charge				1	Each	250.00	250.00
	Subtotal							5,995.50
	Sales Tax Ness County						6.15%	232.19

PAID
 CK NO 5749 | DATE 12-17-13

Thank You For Your Business & Best Wishes For A Wonderful Holiday Season!!

Total \$6,227.69



CHARGE TO: **RICHARD DRILLING**
 ADDRESS _____
 CITY, STATE, ZIP CODE _____

TICKET **25907**
 PAGE **1** OF _____

SERVICE LOCATIONS: **NESS CITY, KS.** WELL/PROJECT NO. _____ LEASE **RAHM # 3** COUNTY/RABISH **NESS** STATE **KS.** CITY **RAVINE, KS.** DATE **11 DEC 13** OWNER _____

TICKET TYPE SERVICE SALES CONTRACTOR **DDS #11 WELL SERV.** RIG NAME/NO. _____ SHIPPED DELIVERED TO _____ ORDER NO. _____

WELL TYPE **OIL** WELL CATEGORY **DEVELOPMENT** JOB PURPOSE **CEMENT PORT COLLAR** WELL PERMIT NO. _____ WELL LOCATION **2W 4 1/2 S W1150**

REFERRAL LOCATION _____ INVOICE INSTRUCTIONS _____

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING		DESCRIPTION	QTY.	UM	QTY.	UM	UNIT PRICE	AMOUNT
		LOC	ACCT							
575				MILEAGE # 115	20	mi			6.00	120.00
576AD				PUMP CHARGE	1	JOB	1500	00	1500.00	1500.00
105				PORT COLLAR OPENING TOOL	1	JOB			350.00	350.00
276				FLUELE	50	lbs			2.59	129.50
290				D-AIR	1 1/2	gal			42.00	63.00
330				SMD CEMENT	125	5x			18.50	2312.50
581				CEMENT SERVICE CHARGE	175	5x			2.00	350.00
582				MINIMUM DRAYAGE	17390	lb/17390	17390	TM	250.00	250.00
<p>LEGAL TERMS: Customer hereby acknowledges and agrees to the terms and conditions on the reverse side hereof which include, but are not limited to, PAYMENT, RELEASE, INDEMNITY, and LIMITED WARRANTY provisions.</p> <p>MUST BE SIGNED BY CUSTOMER OR CUSTOMER'S AGENT PRIOR TO START OF WORK OR DELIVERY OF GOODS</p> <p>DATE SIGNED 11 DEC 13 TIME SIGNED 1145 <input checked="" type="checkbox"/> A.M. <input type="checkbox"/> P.M.</p> <p>REMIT PAYMENT TO: SWIFT SERVICES, INC. P.O. BOX 466 NESS CITY, KS 67560 785-798-2300</p> <p>SURVEY <input type="checkbox"/> CUSTOMER DID NOT WISH TO RESPOND</p> <p>OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN? <input type="checkbox"/> YES <input type="checkbox"/> NO</p> <p>WE UNDERSTOOD AND MET YOUR NEEDS? <input type="checkbox"/> YES <input type="checkbox"/> NO</p> <p>OUR SERVICE WAS PERFORMED WITHOUT DELAY? <input type="checkbox"/> YES <input type="checkbox"/> NO</p> <p>WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY? <input type="checkbox"/> YES <input type="checkbox"/> NO</p> <p>ARE YOU SATISFIED WITH OUR SERVICE? <input type="checkbox"/> YES <input type="checkbox"/> NO</p> <p>PAGE TOTAL 5995</p> <p>TOTAL 6227.69</p>										

SWIFT OPERATOR **[Signature]** APPROVAL _____

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

Thank You!

JOB LOG

SWIFT Services, Inc.

DATE 11 DEC 13 PAGE NO.

CUSTOMER RICHMAN DRILLING WELL NO. LEASE RAHM # 3 JOB TYPE CEMENT PORT COLLAR TICKET NO. 25907

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	1000							ON LOCATION
								PORT COLLAR @ 1453
	1023				✓		1000	TEST-HELD
	1026							OPEN PORT COLLAR
	1030	4	97	✓		250		MIX 175 SX SMD
		3	7 3/4	✓		200		DISPLACE CEMENT
								CIRCULATE 20 SX TO PIT
	1058							CLOSE PORT COLLAR - TEST-HELD
								RUN 4 STS.
	1100	4	21		✓		300	REVERSE CLEAN
	1115							WASH TRUCK
	1145							JOB COMPLETE
								THANKS #115
								JASON DAVE DOUG SUAN



DIAMOND TESTING, LLC
P.O. Box 157
HOISINGTON, KANSAS 67544
(620) 653-7550 • (800) 542-7313
RHM3DST2

Company Richlan Drilling Lease & Well No. Rahm No. 3
Elevation 2216 EGL Formation Mississippi Effective Pay _____ Ft. Ticket No. M584
Date 11-27-13 Sec. 22 Twp. 19S Range 22W County Ness State Kansas
Test Approved By Robert A. (Bob) Schreiber Diamond Representative Mike Cochran

Formation Test No. 2 Interval Tested from 4,289 ft. to 4,345 ft. Total Depth 4,345 ft.
Packer Depth 4,284 ft. Size 6 3/4 in. Packer Depth _____ ft. Size _____ in.
Packer Depth 4,289 ft. Size 6 3/4 in. Packer Depth _____ ft. Size _____ in.
Depth of Selective Zone Set _____ ft.

Top Recorder Depth (Inside) 4,271 ft. Recorder Number 0063 Cap. 6,000 psi.
Bottom Recorder Depth (Outside) 4,291 ft. Recorder Number E1150 Cap. 5,000 psi.
Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ psi.

Drilling Contractor Southwind Drilling, Inc. - Rig 8 Drill Collar Length _____ ft I.D. _____ in.
Mud Type Chemical Viscosity 57 Weight Pipe Length _____ ft I.D. _____ in.
Weight 9.1 Water Loss 7.6 cc. Drill Pipe Length 4,257 ft I.D. 3 1/2 in.
Chlorides 3,000 P.P.M. Test Tool Length 32 ft Tool Size 3 1/2-IF in.
Jars: Make Sterling Serial Number 1 Anchor Length 24' perf. w/32' drill pipe Size 4 1/2-FH in.
Did Well Flow? No Reversed Out No Surface Choke Size 1 in. Bottom Choke Size 5/8 in.
Main Hole Size 7 7/8 in. Tool Joint Size 4 1/2-XH in.

Blow: 1st Open: Weak, surface blow increasing to 2 ins. No blow back during shut-in.
2nd Open: Weak, surface blow increasing to 1 1/4 ins. No blow back during shut-in.

Recovered 400 ft. of gas in pipe
Recovered 2 ft. of clean oil = .028460 bbls. (Grind out: 100%-oil) Gravity: 44 @ 60°
Recovered 35 ft. of gas & slightly oil specked mud = .498050 bbls. (Grind out: 1%-gas; 2%-oil; 97%-mud)
Recovered 37 ft. of TOTAL FLUID = .526510 bbls.
Recovered _____ ft. of _____
Recovered _____ ft. of _____
Remarks Tool Sample Grind Out: 6%-oil; 94%-mud

Time Set Packer(s) 6:00 P.M. Time Started off Bottom 8:00 P.M. Maximum Temperature 106°
Initial Hydrostatic Pressure.....(A) 2064 P.S.I.
Initial Flow Period.....Minutes 30 (B) 10 P.S.I. to (C) 17 P.S.I.
Initial Closed In Period.....Minutes 30 (D) 567 P.S.I.
Final Flow Period.....Minutes 30 (E) 19 P.S.I. to (F) 24 P.S.I.
Final Closed In Period.....Minutes 30 (G) 141 P.S.I.
Final Hydrostatic Pressure.....(H) 2056 P.S.I.

DIAMOND TESTING

Pressure Survey Report

General Information

Company Name	RICHLAN DRILLING, A GENERAL PARTNERSHIP	Job Number	M584
Well Name	RAHM #3	Representative	MIKE COCHRAN
Unique Well ID	DST #2 4289-4345 MISSISSIPPIAN	Well Operator	RICHLAN DRILLING, A GENERAL PARTNERSHIP
Surface Location	SEC.22-19S-22W NESS CO.KS.	Report Date	2013/11/27
Field	WILDCAT	Prepared By	MIKE COCHRAN
Well Type	Vertical	Qualified By	BOB SCHREIBER
		Test Unit	NO. 1

Test Information

Test Type	CONVENTIONAL		
Formation	DST #2 4289-4345 MISSISSIPPIAN		
Test Purpose (AEUB)	Initial Test		
Start Test Date	2013/11/27	Start Test Time	15:30:00
Final Test Date	2013/11/27	Final Test Time	10:40:00
		Well Fluid Type	01 Oil
Gauge Name	0063		
Gauge Serial Number			

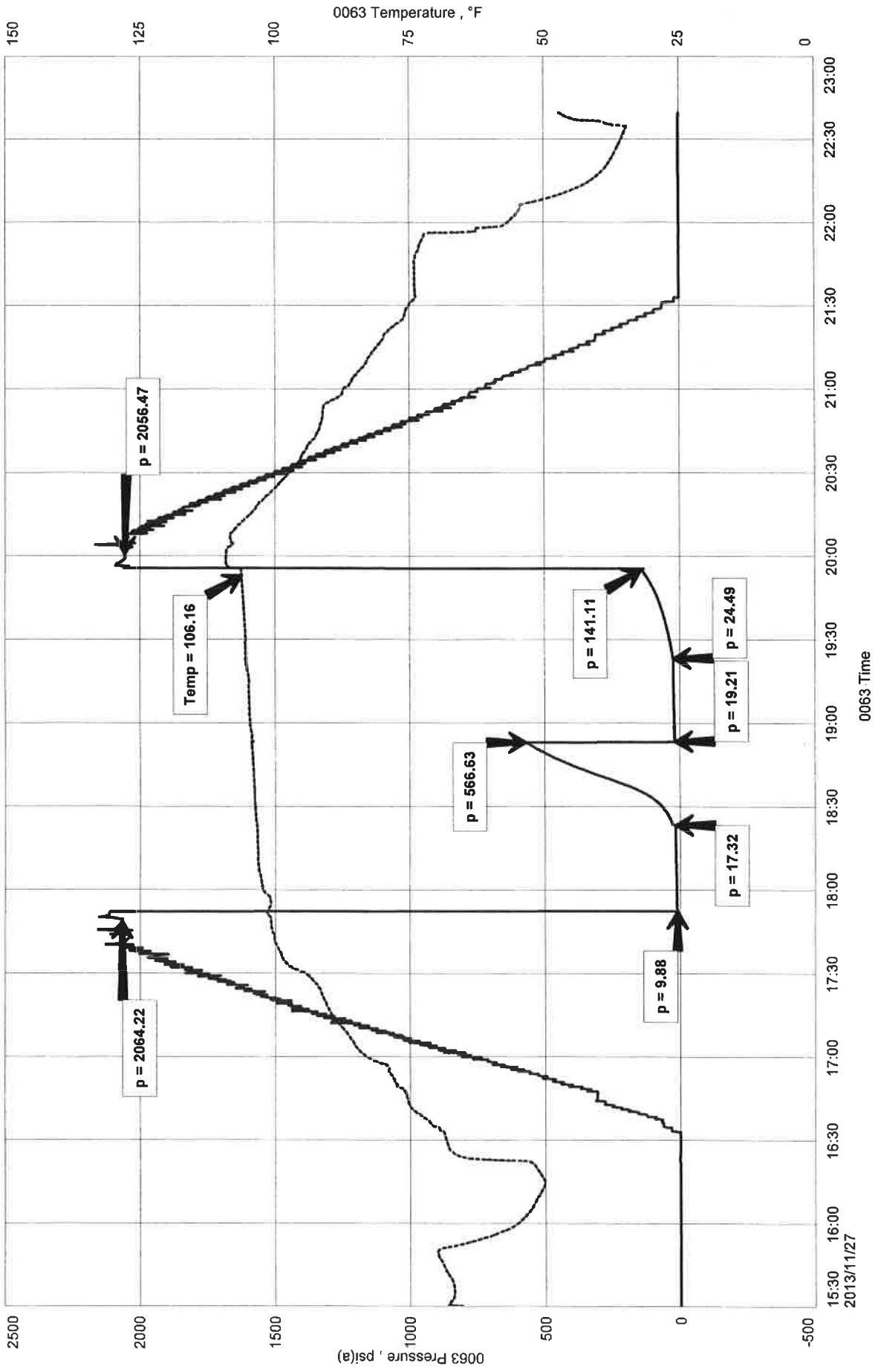
Test Results

Remarks RECOVERED:
400' GIP
~2' CO 100% OIL
~35' GSOSM 1% GAS, 2% OIL, 97% MUD
~37' TOTAL FLUID

GRAVITY: 44.0 @ 60 DEG

TOOL SAMPLE: 6% OIL, 94% MUD

RAHM #3





DIAMOND TESTING, LLC
P.O. Box 157
HOISINGTON, KANSAS 67544
(620) 653-7550 • (800) 542-7313
RHM3DST2

Company Richlan Drilling Lease & Well No. Rahm No. 3
Elevation 2216 EGL Formation Mississippi Effective Pay _____ Ft. Ticket No. M584
Date 11-27-13 Sec. 22 Twp. 19S Range 22W County Ness State Kansas
Test Approved By Robert A. (Bob) Schreiber Diamond Representative Mike Cochran

Formation Test No. 2 Interval Tested from 4,289 ft. to 4,345 ft. Total Depth 4,345 ft.
Packer Depth 4,284 ft. Size 6 3/4 in. Packer Depth _____ ft. Size _____ in.
Packer Depth 4,289 ft. Size 6 3/4 in. Packer Depth _____ ft. Size _____ in.
Depth of Selective Zone Set _____ ft.

Top Recorder Depth (Inside) 4,271 ft. Recorder Number 0063 Cap. 6,000 psi.
Bottom Recorder Depth (Outside) 4,291 ft. Recorder Number E1150 Cap. 5,000 psi.
Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ psi.

Drilling Contractor Southwind Drilling, Inc. - Rig 8 Drill Collar Length _____ ft I.D. _____ in.
Mud Type Chemical Viscosity 57 Weight Pipe Length _____ ft I.D. _____ in.
Weight 9.1 Water Loss 7.6 cc. Drill Pipe Length 4,257 ft I.D. 3 1/2 in.
Chlorides 3,000 P.P.M. Test Tool Length 32 ft Tool Size 3 1/2-IF in.
Jars: Make Sterling Serial Number 1 Anchor Length 24' perf. w/32' drill pipe Size 4 1/2-FH in.
Did Well Flow? No Reversed Out No Surface Choke Size 1 in. Bottom Choke Size 5/8 in.
Main Hole Size 7 7/8 in. Tool Joint Size 4 1/2-XH in.

Blow: 1st Open: Weak, surface blow increasing to 2 ins. No blow back during shut-in.

2nd Open: Weak, surface blow increasing to 1 1/4 ins. No blow back during shut-in.

Recovered 400 ft. of gas in pipe
Recovered 2 ft. of clean oil = .028460 bbls. (Grind out: 100%-oil) Gravity: 44 @ 60°
Recovered 35 ft. of gas & slightly oil specked mud = .498050 bbls. (Grind out: 1%-gas; 2%-oil; 97%-mud)
Recovered 37 ft. of TOTAL FLUID = .526510 bbls.
Recovered _____ ft. of _____
Recovered _____ ft. of _____
Remarks Tool Sample Grind Out: 6%-oil; 94%-mud

Time Set Packer(s) 6:00 P.M. Time Started off Bottom 8:00 P.M. Maximum Temperature 106°
Initial Hydrostatic Pressure.....(A) 2064 P.S.I.
Initial Flow Period.....Minutes 30 (B) 10 P.S.I. to (C) 17 P.S.I.
Initial Closed In Period.....Minutes 30 (D) 567 P.S.I.
Final Flow Period.....Minutes 30 (E) 19 P.S.I. to (F) 24 P.S.I.
Final Closed In Period.....Minutes 30 (G) 141 P.S.I.
Final Hydrostatic Pressure.....(H) 2056 P.S.I.

DIAMOND TESTING

Pressure Survey Report

General Information

Company Name	RICHLAN DRILLING, A GENERAL PARTNERSHIP	Job Number	M584
Well Name	RAHM #3	Representative	MIKE COCHRAN
Unique Well ID	DST #2 4289-4345 MISSISSIPPIAN	Well Operator	RICHLAN DRILLING, A GENERAL PARTNERSHIP
Surface Location	SEC.22-19S-22W NESS CO.KS.	Report Date	2013/11/27
Field	WILDCAT	Prepared By	MIKE COCHRAN
Well Type	Vertical	Qualified By	BOB SCHREIBER
		Test Unit	NO. 1

Test Information

Test Type	CONVENTIONAL		
Formation	DST #2 4289-4345 MISSISSIPPIAN		
Test Purpose (AEUB)	Initial Test		
Start Test Date	2013/11/27	Start Test Time	15:30:00
Final Test Date	2013/11/27	Final Test Time	10:40:00
		Well Fluid Type	01 Oil
Gauge Name	0063		
Gauge Serial Number			

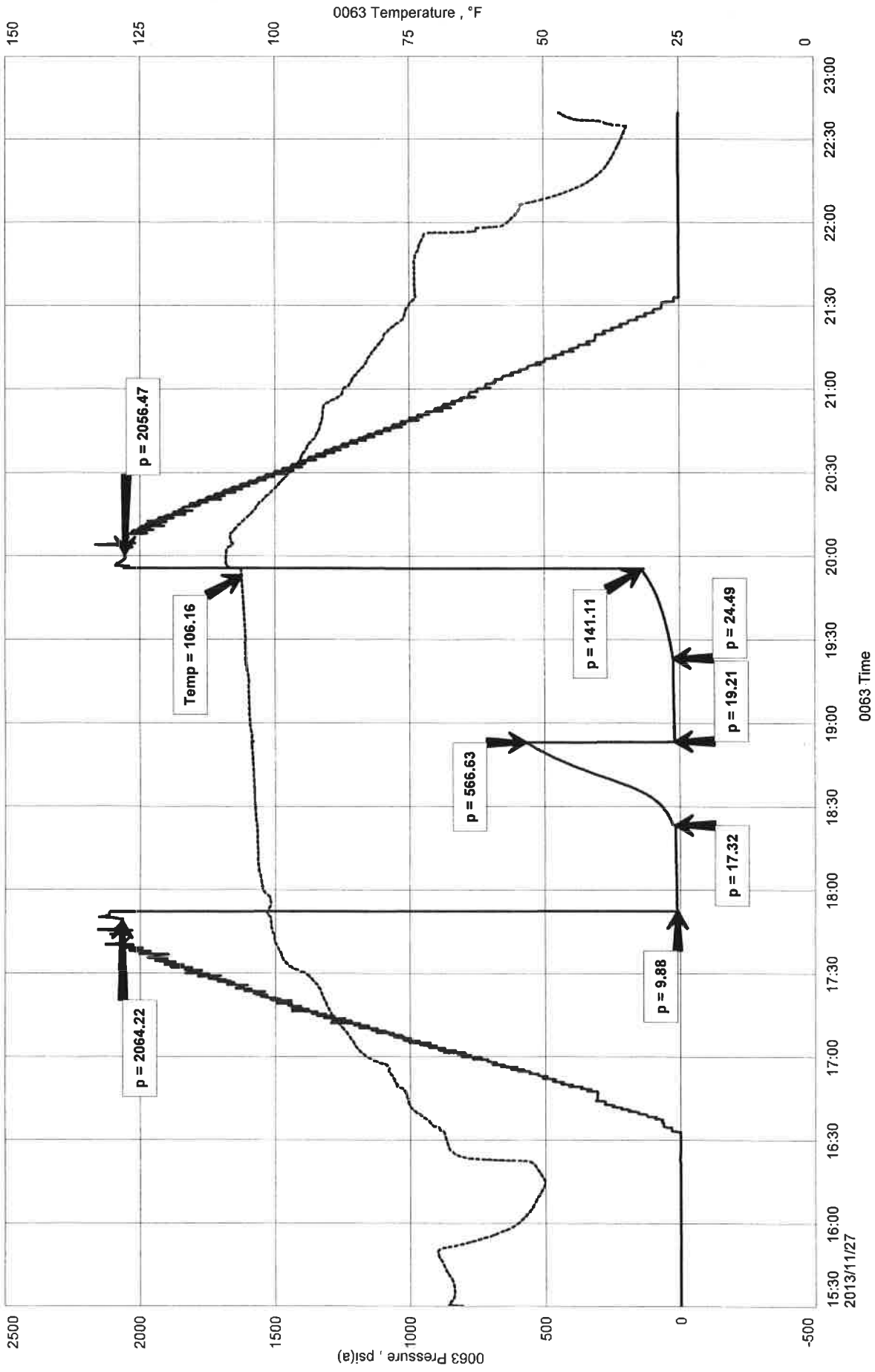
Test Results

Remarks RECOVERED:
400' GIP
~2' CO 100% OIL
~35' GSOSM 1% GAS, 2% OIL, 97% MUD
~37' TOTAL FLUID

GRAVITY: 44.0 @ 60 DEG

TOOL SAMPLE: 6% OIL, 94% MUD

RAHM #3





DIAMOND TESTING, LLC
P.O. Box 157
HOISINGTON, KANSAS 67544
(620) 653-7550 • (800) 542-7313
RHM3DST1

Company Richlan Drilling Lease & Well No. Rahm No. 3
Elevation 2216 EGL Formation Cherokee Effective Pay _____ Ft. Ticket No. M583
Date 11-26-13 Sec. 22 Twp. 19S Range 22W County Ness State Kansas
Test Approved By Robert A. (Bob) Schreiber Diamond Representative Mike Cochran

Formation Test No. 1 Interval Tested from 4,257 ft. to 4,314 ft. Total Depth 4,314 ft.
Packer Depth 4,252 ft. Size 6 3/4 in. Packer Depth _____ ft. Size _____ in.
Packer Depth 4,257 ft. Size 6 3/4 in. Packer Depth _____ ft. Size _____ in.
Depth of Selective Zone Set _____ ft.

Top Recorder Depth (Inside) 4,239 ft. Recorder Number 0063 Cap. 6,000 psi.
Bottom Recorder Depth (Outside) 4,259 ft. Recorder Number E1150 Cap. 5,000 psi.
Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ psi.

Drilling Contractor Southwind Drilling, Inc. - Rig 8 Drill Collar Length _____ ft. I.D. _____ in.
Mud Type Chemical Viscosity 56 Weight Pipe Length _____ ft. I.D. _____ in.
Weight 9.0 Water Loss 7.6 cc. Drill Pipe Length 4,225 ft. I.D. 3 1/2 in.
Chlorides 2,500 P.P.M. Test Tool Length 32 ft. Tool Size 3 1/2-IF in.
Jars: Make Sterling Serial Number 1 Anchor Length 25' perf. w/32' drill pipe Size 4 1/2-FH in.
Did Well Flow? No Reversed Out No Surface Choke Size 1 in. Bottom Choke Size 5/8 in.
Main Hole Size 7 7/8 in. Tool Joint Size 4 1/2-XH in.

Blow: 1st Open: Weak, surface blow increasing to 2 1/2 ins. No blow back during shut-in.

2nd Open: Very weak, surface blow increasing to 2 ins. No blow back during shut-in.

Recovered 75 ft. of very slightly oil specked, gassy drilling mud = 1.067250 bbls. (Grind out: 100%-mud w/some gassy bubbles & a very thin scum of oil)
Recovered _____ ft. of _____
Recovered _____ ft. of _____
Recovered _____ ft. of _____
Recovered _____ ft. of _____
Recovered _____ ft. of _____

Remarks Tool Sample Grind Out: 100%-mud w/a very thin scum of oil & a slight gassy odor
Tool took weight multiple times from the 3rd stand in through the 6th.

Time Set Packer(s) 10:30 P.M. Time Started off Bottom 12:30 A.M. Maximum Temperature 111°
Initial Hydrostatic Pressure.....(A) 2071 P.S.I.
Initial Flow Period.....Minutes 30 (B) 10 P.S.I. to (C) 31 P.S.I.
Initial Closed In Period.....Minutes 30 (D) 282 P.S.I.
Final Flow Period.....Minutes 30 (E) 32 P.S.I. to (F) 47 P.S.I.
Final Closed In Period.....Minutes 30 (G) 270 P.S.I.
Final Hydrostatic Pressure.....(H) 2065 P.S.I.

DIAMOND TESTING

Pressure Survey Report

General Information

Company Name	RICHLAN DRILLING, A GENERAL PARTNERSHIP	Job Number	M583
Well Name	RAHM #3	Representative	MIKE COCHRAN
Unique Well ID	DST #1 4257-4314 CHEROKEE	Well Operator	RICHLAN DRILLING, A GENERAL PARTNERSHIP
Surface Location	SEC.22-19S-22W NESS CO.KS.	Report Date	2013/11/27
Field	WILDCAT	Prepared By	MIKE COCHRAN
Well Type	Vertical	Qualified By	BOB SCHREIBER
	Test Unit		NO. 1

Test Information

Test Type	CONVENTIONAL		
Formation	DST #1 4257-4314 CHEROKEE		
Test Purpose (AEUB)	Initial Test		
Start Test Date	2013/11/26	Start Test Time	19:15:00
Final Test Date	2013/11/27	Final Test Time	02:30:00
		Well Fluid Type	01 Oil
Gauge Name	0063		
Gauge Serial Number			

Test Results

Remarks RECOVERED:
75' VSOSGDM ~100% MUD W/ SOME GASSY BUBBLES AND A VERY THIN SCUM OF OIL
75' TOTAL FLUID

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

RICHLAN DRILLING, A GENERAL PARTNERSHIP
DST #1 4257-4314 CHEROKEE
Start Test Date: 2013/11/26
Final Test Date: 2013/11/27

RAHM #3
Formation: DST #1 4257-4314 CHEROKEE
Pool: WILDCAT
Job Number: M583

RAHM #3

