



1224292

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 <i>(Attach Additional Sheets)</i>	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input type="checkbox"/> Yes <input type="checkbox"/> No	Name	Top	Datum
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:				

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:  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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<b>DISPOSITION OF GAS:</b> <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	<b>METHOD OF COMPLETION:</b> <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <i>(Submit ACO-5)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____	<b>PRODUCTION INTERVAL:</b> _____ _____
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PAGE 1 of 2	CUST NO 1004409	YARD # 1717	INVOICE DATE 09/08/2014
<b>INVOICE NUMBER</b> <b>91587953</b>			

**Liberal** (620) 624-2277

B VAL ENERGY  
I 125 n market ste 1710  
L WICHITA  
L KS US 67202  
T  
O **ATTN:** ACCOUNTS PAYABLE

J **LEASE NAME** Kirk # V1-7  
O  
B **LOCATION**  
B **COUNTY** Scott  
S **STATE** KS  
I **JOB DESCRIPTION** Cement-New Well Casing/Pi  
T **JOB CONTACT**  
M

**RECEIVED**

SEP 12 2014

JOB #	EQUIPMENT #	PURCHASE ORDER NO.	TERMS	DUE DATE	
40763159	19570	9308	Net - 30 days	10/08/2014	
		<b>QTY</b>	<b>U of M</b>	<b>UNIT PRICE</b>	<b>INVOICE AMOUNT</b>
<b>For Service Dates: 09/06/2014 to 09/06/2014</b>					
0040763159					
171706039A Cement-New Well Casing/Pi 09/06/2014					
<u>5 1/2" Long String D.V.</u>					
AA2 Cement		150.00	EA	13.83	2,074.80 T
A-Con' Blend		350.00	EA	14.14	4,947.60 T
60/40 POZ		30.00	EA	9.12	273.60 T
Celloflake		38.00	EA	2.81	106.86 T
C-41P		36.00	EA	3.04	109.44 T
Salt		741.00	EA	0.38	281.58 T
C-44		141.00	EA	3.91	551.87 T
C-15		113.00	EA	9.50	1,073.50 T
Gilsonite		750.00	EA	0.51	381.90 T
Celloflake		88.00	EA	2.81	247.46 T
Calcium Chloride		987.00	EA	0.80	787.63 T
"Two Stage Cement Collar, 5 1/2" (Red)"		1.00	EA	4,636.00	4,636.00
"5 1/2" Latch Down Plug & Assembly (Red		1.00	EA	801.69	801.69
"Auto Fill Float Shoe 5 1/2" (Blue)"		1.00	EA	273.60	273.60
Antelope 5 1/2 X 7 7/8 Turbo		6.00	EA	57.00	342.00
"Cmt Basket, Canvas 5 1/2"		1.00	EA	725.80	725.80
Super Flush II		500.00	EA	1.16	581.40 T
"Unit Mileage Chg (PU, cars one way)"		120.00	MI	3.23	387.60
Heavy Equipment Mileage		360.00	MI	5.32	1,915.20
"Proppant & Bulk Del. Chgs., per ton mil		2,976.00	EA	1.67	4,975.86
Depth Charge; 4001'-5000'		1.00	EA	1,915.20	1,915.20
Blending & Mixing Service Charge		530.00	BAG	1.06	563.92
Plug Container Util. Chg.		1.00	EA	190.00	190.00
Depth Charge; 2001'-3000'		1.00	EA	1,368.00	1,368.00



PAGE	CUST NO	YARD #	INVOICE DATE
2 of 2	1004409	1717	09/08/2014
<b>INVOICE NUMBER</b>			
<b>91587953</b>			

**Liberal** (620) 624-2277  
 B VAL ENERGY  
 I 125 n market ste 1710  
 L WICHITA  
 L KS US 67202  
 T  
 O **ATTN:** ACCOUNTS PAYABLE

**J** LEASE NAME Kirk # V1-7  
**O** LOCATION  
**B** COUNTY Scott  
**S** STATE KS  
**I** JOB DESCRIPTION Cement-New Well Casing/Pi  
**T** JOB CONTACT  
**E**

JOB #	EQUIPMENT #	PURCHASE ORDER NO.	TERMS	DUE DATE
40763159	19570		Net - 30 days	10/08/2014

	QTY	U of M	UNIT PRICE	INVOICE AMOUNT
"Service Supervisor, first 8 hrs on loc.	1.00	EA	133.00	133.00

<b>PLEASE REMIT TO:</b>	<b>SEND OTHER CORRESPONDENCE TO:</b>	<b>SUB TOTAL</b>	29,645.51
BASIC ENERGY SERVICES,LP	BASIC ENERGY SERVICES,LP	<b>TAX</b>	930.54
PO BOX 841903	801 CHERRY ST, STE 2100	<b>INVOICE TOTAL</b>	30,576.05
DALLAS, TX 75284-1903	FORT WORTH, TX 76102		



# BASIC ENERGY SERVICES

PRESSURE PUMPING & WIRELINE

1700 S. Country Estates Rd.  
Liberal, Kansas 67905  
Phone 620-624-2277

## FIELD SERVICE TICKET

1717 06039 A

DATE \_\_\_\_\_ TICKET NO. \_\_\_\_\_

DATE OF JOB <b>9-6-14</b> DISTRICT <b>1717</b>		NEW WELL <input checked="" type="checkbox"/> OLD WELL <input type="checkbox"/> PROD <input type="checkbox"/> INJ <input type="checkbox"/> WDW <input type="checkbox"/> CUSTOMER ORDER NO.:							
CUSTOMER <b>Val Energy Inc</b>		LEASE <b>KIKK # 11-7</b> WELL NO.							
ADDRESS		COUNTY <b>SCOTT</b> STATE <b>KS</b>							
CITY STATE		SERVICE CREW <b>J. Chavez, Sam, Hugo, Abraham</b>							
AUTHORIZED BY <b>Tony Beith JRB</b>		JOB TYPE: <b>242 5 1/2 Log String D.V.</b>							
EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS	TRUCK CALLED	DATE	AM	TIME
						ARRIVED AT JOB	<b>9-6-14</b>	<b>PM</b>	<b>2:00</b>
<b>78938</b>	<b>12</b>	<b>133021</b>	<b>12</b>	<b>14355</b>	<b>12</b>	START OPERATION	<b>9-6-14</b>	<b>AM</b>	<b>5:30</b>
<b>70897X</b>	<b>12</b>	<b>14284-</b>	<b>1</b>	<b>637547</b>	<b>1</b>	FINISH OPERATION	<b>9-7-14</b>	<b>AM</b>	<b>3:30</b>
<b>49570-</b>	<b>1-</b>					RELEASED	<b>9-7-14</b>	<b>AM</b>	<b>4:45</b>
						MILES FROM STATION TO WELL	<b>120</b>		

CONTRACT CONDITIONS: (This contract must be signed before the job is commenced or merchandise is delivered).

The undersigned is authorized to execute this contract as an agent of the customer. As such, the undersigned agrees and acknowledges that this contract for services, materials, products, and/or supplies includes all of and only those terms and conditions appearing on the front and back of this document. No additional or substitute terms and/or conditions shall become a part of this contract without the written consent of an officer of Basic Energy Services LP.

SIGNED: X Robert W M  
(WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)

ITEM/PRICE REF. NO.	MATERIAL, EQUIPMENT AND SERVICES USED	UNIT	QUANTITY	UNIT PRICE	\$ AMOUNT	
CL105	AAZ Cont	SLK	150		2730 00	
CL101	A-Con Tblr	SLK	350		6910 00	
CP103	60-40 102	SLK	30		360 00	
CC102	CelloFlake	16	38		140 60	
CC105	C-418	16	36		144 00	
CC111	Sabt	16	741		370 90	
CC115	C-44	16	141		726 15	
CC103	C-15	16	113		1418 50	
CC201	Gilsonite	16	750		502 50	
CC102	CelloFlake	16	88		325 60	
CC109	Calcium Chloride	16	987		1036 35	
CF401	Two Stage Cont Collar	CA	1		6100 00	
CF601	3/4" Hatch Down Plug	CA	1		1054 85	
CF1251	APU Float Valve	CA	1		360 00	
CF4452	Centralizer	CA	6		450 00	
CF4552	Cont Basket	CA	1		955 00	
CC155	Super Flush	gal	500		765 00	
E100	Pickup Mileage	mi	120		510 00	
E101	Heavy Equipment Mileage	mi	360		2520 00	
<b>JRB</b>					<b>SUB TOTAL</b>	<b>29645 51</b>

CHEMICAL / ACID DATA:			

SERVICE & EQUIPMENT	%TAX ON \$	
MATERIALS	%TAX ON \$	
<b>TOTAL</b>		

SERVICE REPRESENTATIVE <u>Jerry Chavez</u>	THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY: <u>X Robert W M</u> (WELL OWNER OPERATOR CONTRACTOR OR AGENT)
--	--

FIELD SERVICE ORDER NO.





**BASIC**  
ENERGY SERVICES  
Liberal, Kansas

### Cement Report

Customer <i>Val Energy Inc</i>		Lease No.		Date <i>9-6-14</i>	
Lease <i>1K11K</i>		Well # <i>U1-7</i>		Service Receipt <i>6039</i>	
Casing <i>5 1/2</i>	Depth <i>4869</i>	County <i>Scott</i>		State <i>KS</i>	
Job Type <i>242 DU Log String</i>		Formation		Legal Description <i>7-17-33</i>	
Pipe Data			Perforating Data		Cement Data
Casing size <i>5 1/2</i>	Tubing Size		Shots/Ft		Lead <i>1505K AA2</i> <i>1.43577-5K</i>
Depth <i>4869</i>	Depth <i>5542</i>		From	To	
Volume <i>116615</i>	Volume		From	To	<i>5.956d-5K 14.8#</i>
Max Press <i>3000</i>	Max Press		From	To	Tail in <i>350 A-con</i> <i>2.7777-5K</i>
Well Connection <i>5 1/2</i>	Annulus Vol.		From	To	
Plug Depth <i>4827</i>	Packer Depth		From	To	<i>16.756d-5K 11.6#</i>
Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
<i>1800</i>					<i>Arrive On location</i>
<i>1900</i>					<i>Safety Meeting - Plug Up</i>
<i>2100</i>					<i>Circulate w/ Plug</i>
<i>2145</i>					<i>Hook up to BLS</i>
<i>2150</i>	<i>3200</i>		<i>1</i>	<i>1</i>	<i>Pressure Test</i>
<i>2155</i>	<i>350</i>		<i>5</i>	<i>5</i>	<i>Pump Water Spacer</i>
<i>2200</i>	<i>325</i>		<i>12</i>	<i>5</i>	<i>Pump Super Flush</i>
<i>2205</i>	<i>300</i>		<i>5</i>	<i>5</i>	<i>Pump Water Spacer</i>
<i>2210</i>	<i>250</i>		<i>38</i>	<i>5</i>	<i>Pump out @ 14.8#</i>
<i>2220</i>					<i>Drop Plug - Wash Up</i>
<i>2225</i>	<i>700</i>		<i>106</i>	<i>6.5</i>	<i>Displace</i>
<i>2245</i>	<i>1200</i>		<i>10</i>	<i>2</i>	<i>Slow Down - Land Plug</i>
<i>2250</i>					<i>Open DU Tool</i>
<i>2700</i>					<i>Circulate w/ Plug</i>
<i>130</i>					<i>Plug - Rot &amp; Mouse Hole</i>
<i>140</i>	<i>400</i>		<i>173</i>	<i>6</i>	<i>Pump out @ 11.6#</i>
<i>225</i>					<i>Drop Plug</i>
<i>230</i>	<i>600</i>		<i>53</i>	<i>6</i>	<i>Displace</i>
<i>255</i>	<i>800</i>		<i>10</i>	<i>2</i>	<i>Slow Down</i>
<i>300</i>	<i>2700</i>		<i>1</i>	<i>1</i>	<i>Land Plug - Shut in Plug w/ 1800 PSI</i>
					<i>For 8 Hours</i>
<i>430</i>					<i>Job Complete</i>
Service Units	<i>78938</i>	<i>7089719590</i>	<i>33021-14284</i>	<i>74355-37547</i>	
Driver Names	<i>Izzy</i>	<i>Sam</i>	<i>Hugo</i>	<i>Abe</i>	

*Bob*

Customer Representative

*Sam Beth*

Station Manager

*Izzy Chavez*

Cementer





**CONSOLIDATED**  
Oil Well Services, LLC

*VAL COPY*

**REMIT TO**  
Consolidated Oil Well Services, LLC  
Dept. 970  
P.O. Box 4346  
Houston, TX 77210-4346

MAIN OFFICE  
P.O. Box 884  
Chanute, KS 66720  
620/431-9210 • 1-800/467-8676  
Fax 620/431-0012

*9208*

INVOICE

Invoice # 270716

Invoice Date: 08/30/2014 Terms: 10/10/10,n/30 Page 1

VAL ENERGY  
125 N. MARKET, SUITE 1710  
WICHITA KS 67202  
(316)263-6688

KIRK V1-7  
7-17-33  
47673  
08/26/2014

**RECEIVED**  
SEP 04 2014

Description	Hours	Unit Price	Total
CEMENT PUMP (SURFACE)	1.00	1150.00	1150.00
EQUIPMENT MILEAGE (ONE WAY)	40.00	5.25	210.00

Part Number	Description	Qty	Unit Price	Total
1104S	CLASS "A" CEMENT (SALE)	165.00	18.5500	3060.75
1102	CALCIUM CHLORIDE (50#)	465.00	.9400	437.10
1118B	PREMIUM GEL / BENTONITE	310.00	.2700	83.70

Sublet Performed	Description	Total
9995-130	CEMENT EQUIPMENT DISCOUNT	-190.60
9996-130	CEMENT MATERIAL DISCOUNT	-358.16

Description	Hours	Unit Price	Total
693 TON MILEAGE DELIVERY	1.00	546.00	546.00

*Cement Surface Casing V 1-7*

Amount Due 5779.44 if paid after 09/09/2014 *Ray*

Parts:	3581.55	Freight:	.00	Tax:	262.70	AR	5201.49
Labor:	.00	Misc:	.00	Total:	5201.49		
Sublt:	-548.76	Supplies:	.00	Change:	.00		

Signed \_\_\_\_\_ Date \_\_\_\_\_



**CONSOLIDATED**  
Oil Well Services, LLC

PO Box 884, Chanute, KS 66720  
620-431-9210 or 800-467-8676

2707116

TICKET NUMBER 47673  
LOCATION Oakley K-  
FOREMAN Dawn

**FIELD TICKET & TREATMENT REPORT**  
**CEMENT**

K-

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY	
8/26/14	8576	Kirk V1-7	7	17	33	Scott	
CUSTOMER <u>Val Energy</u>		Mailing Address <u>Oakley St 83+ 4 Jet 5 W S.S.</u>		TRUCK #	DRIVER	TRUCK #	DRIVER
CITY		STATE	ZIP CODE				
				731	Cory		
				693	Cody		

JOB TYPE Surface HOLE SIZE 12 1/4 HOLE DEPTH 230 CASING SIZE & WEIGHT 8 5/8 24  
 CASING DEPTH 229 DRILL PIPE \_\_\_\_\_ TUBING \_\_\_\_\_ OTHER \_\_\_\_\_  
 SLURRY WEIGHT 14.2 SLURRY VOL 1.36 WATER gal/sk \_\_\_\_\_ CEMENT LEFT In CASING 20'  
 DISPLACEMENT 13.31 DISPLACEMENT PSI \_\_\_\_\_ MIX PSI \_\_\_\_\_ RATE \_\_\_\_\_

REMARKS: Safety Meeting Rig up on Val #1 Break Circulation with Rig Pump  
Hook up to Pump Truck mix 165 sks Cem 3% CC 2% Gel Washup Pump & Lines Displace  
with 13.31 bbls water Shut in

Cement Did Circulate.

Approx 5 bbls to Pit

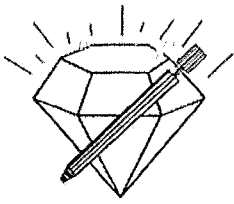
Thanks Dawn & Crew

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401S	1	PUMP CHARGE	\$1150.00	\$1150.00 ✓
5406	40	MILEAGE	\$5.25	\$210.00 ✓
5407A	7.8	Tan mileage Delivery	\$1.75	\$13.65 ✓
1104S	165 sks	Class 'A' Cement	\$18.55	\$3060.75 ✓
1102	465 #	Calcium Chloride	\$ .94	\$437.10 ✓
1118B	310 #	Bentonite	\$ .27	\$83.70 ✓
			Sub Total	\$5487.55 ✓
			Less 10%	\$548.76 ✓
			Sub Total	\$4938.80 ✓
			SALES TAX	262.70 ✓
			ESTIMATED TOTAL	\$5201.49 ✓

Ravin 3737

AUTHORIZATION [Signature] TITLE \_\_\_\_\_ DATE \_\_\_\_\_

I acknowledge that the payment terms, unless specifically amended in writing on the front of the form or in the customer's account records, at our office, and conditions of service on the back of this form are in effect for services identified on this form.



**DIAMOND TESTING, LLC**  
P.O. Box 157  
**HOISINGTON, KANSAS 67544**  
(620) 653-7550 • (800) 542-7313  
KIRKV1-7DST1

Company Val Energy, Inc. Lease & Well No. Kirk No. V1-7  
Elevation 3094 KB Formation Marmaton/Altamont "A" Effective Pay \_\_\_\_\_ Ft. Ticket No. A088  
Date 9-2-14 Sec. 7 Twp. 17S Range 33W County Scott State Kansas  
Test Approved By Harley K. Sayles Diamond Representative Andy Carreira

Formation Test No. 1 Interval Tested from 4,413 ft. to 4,466 ft. Total Depth 4,466 ft.  
Packer Depth 4,408 ft. Size 6 3/4 in. Packer Depth \_\_\_\_\_ ft. Size \_\_\_\_\_ in.  
Packer Depth 4,413 ft. Size 6 3/4 in. Packer Depth \_\_\_\_\_ ft. Size \_\_\_\_\_ in.  
Depth of Selective Zone Set \_\_\_\_\_ ft.

Top Recorder Depth (Inside) 4,394 ft. Recorder Number 5585 Cap. 5,000 psi.  
Bottom Recorder Depth (Outside) 4,415 ft. Recorder Number 8471 Cap. 10,000 psi.  
Below Straddle Recorder Depth \_\_\_\_\_ ft. Recorder Number \_\_\_\_\_ Cap. \_\_\_\_\_ psi.

Drilling Contractor Val Energy, Inc. - Rig 1 Drill Collar Length \_\_\_\_\_ ft I.D. \_\_\_\_\_ in.  
Mud Type Chemical Viscosity 56 Weight Pipe Length \_\_\_\_\_ ft I.D. \_\_\_\_\_ in.  
Weight 9.4 Water Loss 8.8 cc. Drill Pipe Length 4,380 ft I.D. 3 1/2 in.  
Chlorides 3,500 P.P.M. Test Tool Length 33 ft Tool Size 3 1/2-IF in.  
Jars: Make Sterling Serial Number 9 Anchor Length 53 ft. 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: Very weak, surface blow. Died in 6 mins. No blow back during shut-in.

2nd Open: No blow. No blow back during shut-in.

Recovered 5 ft. of drilling mud = .071150 bbls. (Grind out: 100%-mud)  
Recovered \_\_\_\_\_ ft. of \_\_\_\_\_  
Recovered \_\_\_\_\_ ft. of \_\_\_\_\_  
Recovered \_\_\_\_\_ ft. of \_\_\_\_\_  
Recovered \_\_\_\_\_ ft. of \_\_\_\_\_  
Recovered \_\_\_\_\_ ft. of \_\_\_\_\_  
Remarks Tool Sample Grind Out: 100%-mud

Time Set Packer(s) 1:25 P.M. Time Started off Bottom 3:25 P.M. Maximum Temperature 120°  
Initial Hydrostatic Pressure.....(A) 2123 P.S.I.  
Initial Flow Period.....Minutes 30 (B) 7 P.S.I. to (C) 10 P.S.I.  
Initial Closed In Period.....Minutes 30 (D) 768 P.S.I.  
Final Flow Period.....Minutes 30 (E) 10 P.S.I. to (F) 11 P.S.I.  
Final Closed In Period.....Minutes 30 (G) 654 P.S.I.  
Final Hydrostatic Pressure.....(H) 2112 P.S.I.

# DIAMOND TESTING, LLC

TESTER : ANDY CARREIRA  
CELL # 620-617-7202

## General Information

Company Name	VAL ENERGY INC	DUSTIN WYER	Job Number	A088
Contact		KIRK V1-7	Representative	ANDY CARREIRA
Well Name		DST 1 MARM/ALT. "A" 4413-4466	Well Operator	VAL ENERGY INC
Unique Well ID		SEC 7-17S-33W SCOTT CNTY,KS	Report Date	2014/09/02
Surface Location			Prepared By	ANDY CARREIRA
Well License Number				
Field		FRICK		
Well Type		Vertical		

## Test Information

Test Type	CONVENTIONAL
Formation	DST 1 MARM/ALT. "A" 4413-4466
Well Fluid Type	01 Oil
Test Purpose	Initial Test

Start Test Date	2014/09/02	Start Test Time	11:02:00
Final Test Date	2014/09/02	Final Test Time	17:37:00

Gauge Name 5585

## Test Results

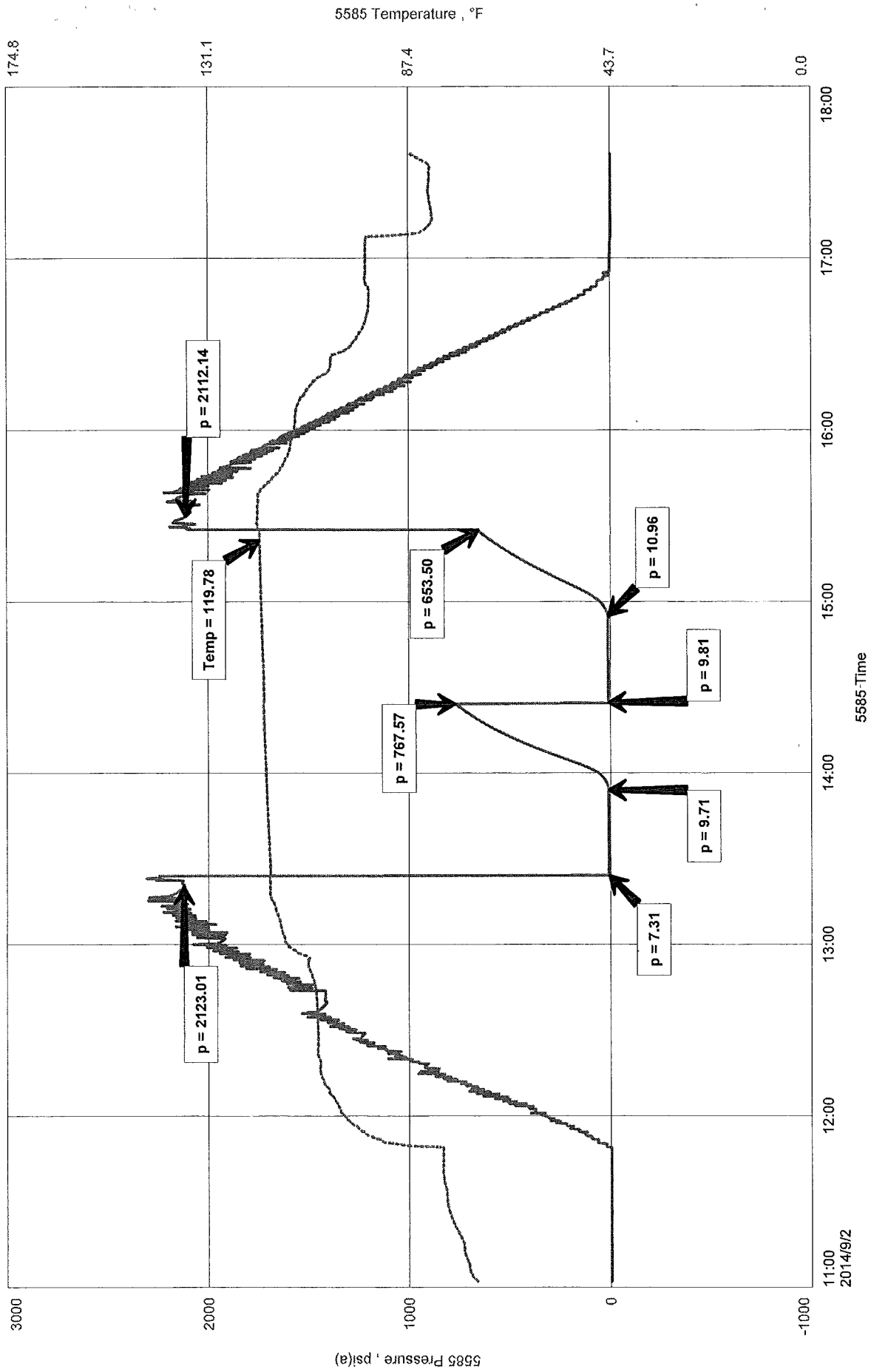
RECOVERY: 5' DM 100% MUD

TOOL SAMPLE: 100% MUD

VAL ENERGY INC  
DST 1 MARMALT. "A" 4413-4466  
Start Test Date: 2014/09/02  
Final Test Date: 2014/09/02

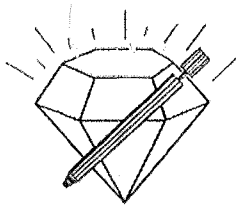
KIRK V1-7  
Formation: DST 1 MARMALT. "A" 4413-4466  
Pool: FRICK  
Job Number: A088

# KIRK V1-7



11:00  
2014/9/2

5585 Time



**DIAMOND TESTING, LLC**  
P.O. Box 157  
**HOISINGTON, KANSAS 67544**  
(620) 653-7550 • (800) 542-7313  
KIRKV1-7DST2

Company Val Energy, Inc. Lease & Well No. Kirk No. V1-7  
Elevation 3094 KB Formation Altamont "B" & "C" Effective Pay \_\_\_\_\_ Ft. Ticket No. A089  
Date 9-3-14 Sec. 7 Twp. 17S Range 33W County Scott State Kansas  
Test Approved By Harley K. Sayles Diamond Representative Andy Carreira

Formation Test No. 2 Interval Tested from 4,465 ft. to 4,514 ft. Total Depth 4,514 ft.  
Packer Depth 4,460 ft. Size 6 3/4 in. Packer Depth \_\_\_\_\_ ft. Size \_\_\_\_\_ in.  
Packer Depth 4,465 ft. Size 6 3/4 in. Packer Depth \_\_\_\_\_ ft. Size \_\_\_\_\_ in.  
Depth of Selective Zone Set \_\_\_\_\_ ft.

Top Recorder Depth (Inside) 4,446 ft. Recorder Number 5585 Cap. 5,000 psi.  
Bottom Recorder Depth (Outside) 4,467 ft. Recorder Number 8471 Cap. 10,000 psi.  
Below Straddle Recorder Depth \_\_\_\_\_ ft. Recorder Number \_\_\_\_\_ Cap. \_\_\_\_\_ psi.

Drilling Contractor Val Energy, Inc. - Rig 1 Drill Collar Length \_\_\_\_\_ ft. I.D. \_\_\_\_\_ in.  
Mud Type Chemical Viscosity 56 Weight Pipe Length \_\_\_\_\_ ft. I.D. \_\_\_\_\_ in.  
Weight 9.4 Water Loss 8.8 cc. Drill Pipe Length 4,432 ft. I.D. 3 1/2 in.  
Chlorides 3,500 P.P.M. Test Tool Length 33 ft. Tool Size 3 1/2-IF in.  
Jars: Make Sterling Serial Number 9 Anchor Length 49 ft. Size 4 1/2-FH in.  
Did Well Flow? No Reversed Out Yes 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: Strong blow increasing. Off bottom of bucket in 3 mins. Bottom of bucket blow back in 16 mins. during shut-in.

2nd Open: Strong blow increasing. Off bottom of bucket immediately. Bottom of bucket blow back in 31 mins. during shut-in.

Recovered 1,668 ft. of gas in pipe  
Recovered 1,161 ft. of gassy oil = 16.521030 bbls. (Grind out: 15%-gas; 85%-oil) Gravity: 29 @ 60°  
Recovered 126 ft. of mud cut, gassy oil = 1.792980 bbls. (Grind out: 10%-gas; 72%-oil; 18%-mud)  
Recovered 1,287 ft. of TOTAL FLUID = 18.314010 bbls.  
Recovered \_\_\_\_\_ ft. of \_\_\_\_\_  
Recovered \_\_\_\_\_ ft. of \_\_\_\_\_  
Remarks Tool Sample Grind Out: 80%-oil; 20%-mud

Time Set Packer(s) 7:03 A.M. Time Started off Bottom 10:48 A.M. Maximum Temperature 128°  
Initial Hydrostatic Pressure.....(A) 2164 P.S.I.  
Initial Flow Period.....Minutes 30 (B) 35 P.S.I. to (C) 229 P.S.I.  
Initial Closed In Period.....Minutes 45 (D) 1213 P.S.I.  
Final Flow Period.....Minutes 60 (E) 240 P.S.I. to (F) 507 P.S.I.  
Final Closed In Period.....Minutes 90 (G) 1209 P.S.I.  
Final Hydrostatic Pressure.....(H) 2132 P.S.I.

# DIAMOND TESTING, LLC

TESTER : ANDY CARREIRA  
CELL # 620-617-7202

## General Information

Company Name	VAL ENERGY INC	DUSTIN WYER	Job Number	A089
Contact		KIRK V1-7	Representative	ANDY CARREIRA
Well Name		DST 2 ALT "B&C" 4465-4514	Well Operator	VAL ENERGY INC
Unique Well ID		SEC 7-17S-33W SCOTT CNTY,KS	Report Date	2014/09/03
Surface Location			Prepared By	ANDY CARREIRA
Well License Number				
Field		FRICK		
Well Type		Vertical		

## Test Information

Test Type	CONVENTIONAL
Formation	DST 2 ALT "B&C" 4465-4514
Well Fluid Type	01 Oil
Test Purpose	Initial Test

Start Test Date	2014/09/03	Start Test Time	04:03:00
Final Test Date	2014/09/03	Final Test Time	14:31:00

Gauge Name	5585
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## Test Results

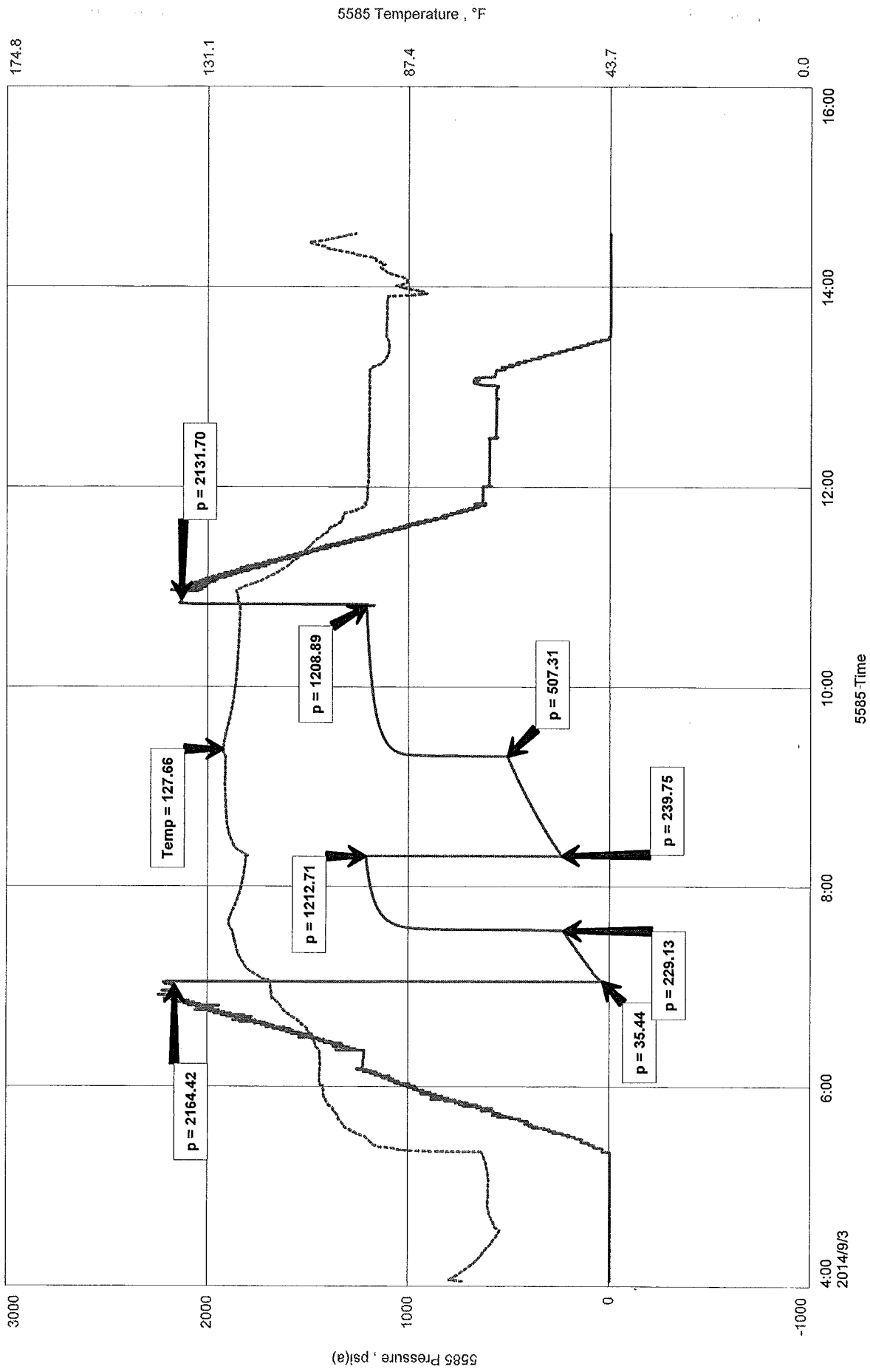
RECOVERY:	1668' GIP	GRAVITY: 29 @ 60 deg
	1161' GO 15% G, 85% O	
	126' MCGO 10% G, 72% O, 18% M	
	1287' TOTAL FLUID	

TOOL SAMPLE: 80% O, 20% M

VAL ENERGY INC  
DST 2 ALT "B&C" 4465-4514  
Start Test Date: 2014/09/03  
Final Test Date: 2014/09/03

KIRK V1-7  
Formation: DST 2 ALT "B&C" 4465-4514  
Pool: FRICK  
Job Number: A089

# KIRK V1-7

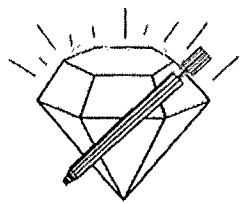


4:00  
2014/9/3

5585 Time

16:00





**DIAMOND TESTING, LLC**  
P.O. Box 157  
**HOISINGTON, KANSAS 67544**  
(620) 653-7550 • (800) 542-7313  
KIRKV1-7DST3

Company Val Energy, Inc. Lease & Well No. Kirk No. V1-7  
Elevation 3094 KB Formation Pawnee/Myrick/Fort Scott Effective Pay \_\_\_\_\_ Ft. Ticket No. A090  
Date 9-4-14 Sec. 7 Twp. 17S Range 33W County Scott State Kansas  
Test Approved By Harley K. Sayles Diamond Representative Andy Carreira

Formation Test No. 3 Interval Tested from 4,517 ft. to 4,596 ft. Total Depth 4,596 ft.  
Packer Depth 4,512 ft. Size 6 3/4 in. Packer Depth \_\_\_\_\_ ft. Size \_\_\_\_\_ in.  
Packer Depth 4,517 ft. Size 6 3/4 in. Packer Depth \_\_\_\_\_ ft. Size \_\_\_\_\_ in.  
Depth of Selective Zone Set \_\_\_\_\_ ft.

Top Recorder Depth (Inside) 4,498 ft. Recorder Number 5585 Cap. 5,000 psi.  
Bottom Recorder Depth (Outside) 4,519 ft. Recorder Number 8471 Cap. 10,000 psi.  
Below Straddle Recorder Depth \_\_\_\_\_ ft. Recorder Number \_\_\_\_\_ Cap. \_\_\_\_\_ psi.

Drilling Contractor Val Energy, Inc. - Rig 1 Drill Collar Length \_\_\_\_\_ ft. I.D. \_\_\_\_\_ in.  
Mud Type Chemical Viscosity 57 Weight Pipe Length \_\_\_\_\_ ft. I.D. \_\_\_\_\_ in.  
Weight 9.3 Water Loss 8.8 cc. Drill Pipe Length 4,484 ft. I.D. 3 1/2 in.  
Chlorides 4,000 P.P.M. Test Tool Length 33 ft. Tool Size 3 1/2-IF in.  
Jars: Make Sterling Serial Number 9 Anchor Length 79 ft. 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: Very weak, surface blow. Died in 10 mins. No blow back during shut-in.

2nd Open: No blow. No blow back during shut-in.

Recovered 5 ft. of slightly oil specked mud = .071150 bbls. (Grind out: <1%-oil; >99%-mud)  
Recovered \_\_\_\_\_ ft. of \_\_\_\_\_  
Recovered \_\_\_\_\_ ft. of \_\_\_\_\_  
Recovered \_\_\_\_\_ ft. of \_\_\_\_\_  
Recovered \_\_\_\_\_ ft. of \_\_\_\_\_  
Recovered \_\_\_\_\_ ft. of \_\_\_\_\_  
Remarks Tool Sample Grind Out: <1%-oil; >99%-mud

Time Set Packer(s) 7:11 A.M. Time Started off Bottom 9:11 A.M. Maximum Temperature 119°  
Initial Hydrostatic Pressure.....(A) 2159 P.S.I.  
Initial Flow Period.....Minutes 30 (B) 6 P.S.I. to (C) 6 P.S.I.  
Initial Closed In Period.....Minutes 30 (D) 147 P.S.I.  
Final Flow Period.....Minutes 30 (E) 8 P.S.I. to (F) 9 P.S.I.  
Final Closed In Period.....Minutes 30 (G) 80 P.S.I.  
Final Hydrostatic Pressure.....(H) 2121 P.S.I.

# DIAMOND TESTING, LLC

TESTER : ANDY CARREIRA  
CELL # 620-617-7202

## General Information

Company Name	VAL ENERGY INC	DUSTIN WYER	Job Number	A090
Contact		KIRK V1-7	Representative	ANDY CARREIRA
Well Name		4517-4596	Well Operator	VAL ENERGY INC
Unique Well ID	DST 3 PAWNEE/MYRICK/FT. SCOTT	SEC 7-17S-33W SCOTT CNTY,KS	Report Date	2014/09/04
Surface Location			Prepared By	ANDY CARREIRA
Well License Number				
Field		FRICK		
Well Type		Vertical		

## Test Information

Test Type	CONVENTIONAL
Formation	DST 3 PAWNEE/MYRICK/FT. SCOTT 4517-4596
Well Fluid Type	01 Oil
Test Purpose	Initial Test

Start Test Date	2014/09/04	Start Test Time	04:52:00
Final Test Date	2014/09/04	Final Test Time	11:05:00

Gauge Name 5585

## Test Results

RECOVERY: 5' SOSM less than 1% oil, MUD

TOOL SAMPLE: less than 1% oil, MUD

VAL ENERGY INC

DST 3 PAWNEE/MYRICK/FT. SCOTT 4517-4596

Start Test Date: 2014/09/04

Final Test Date: 2014/09/04

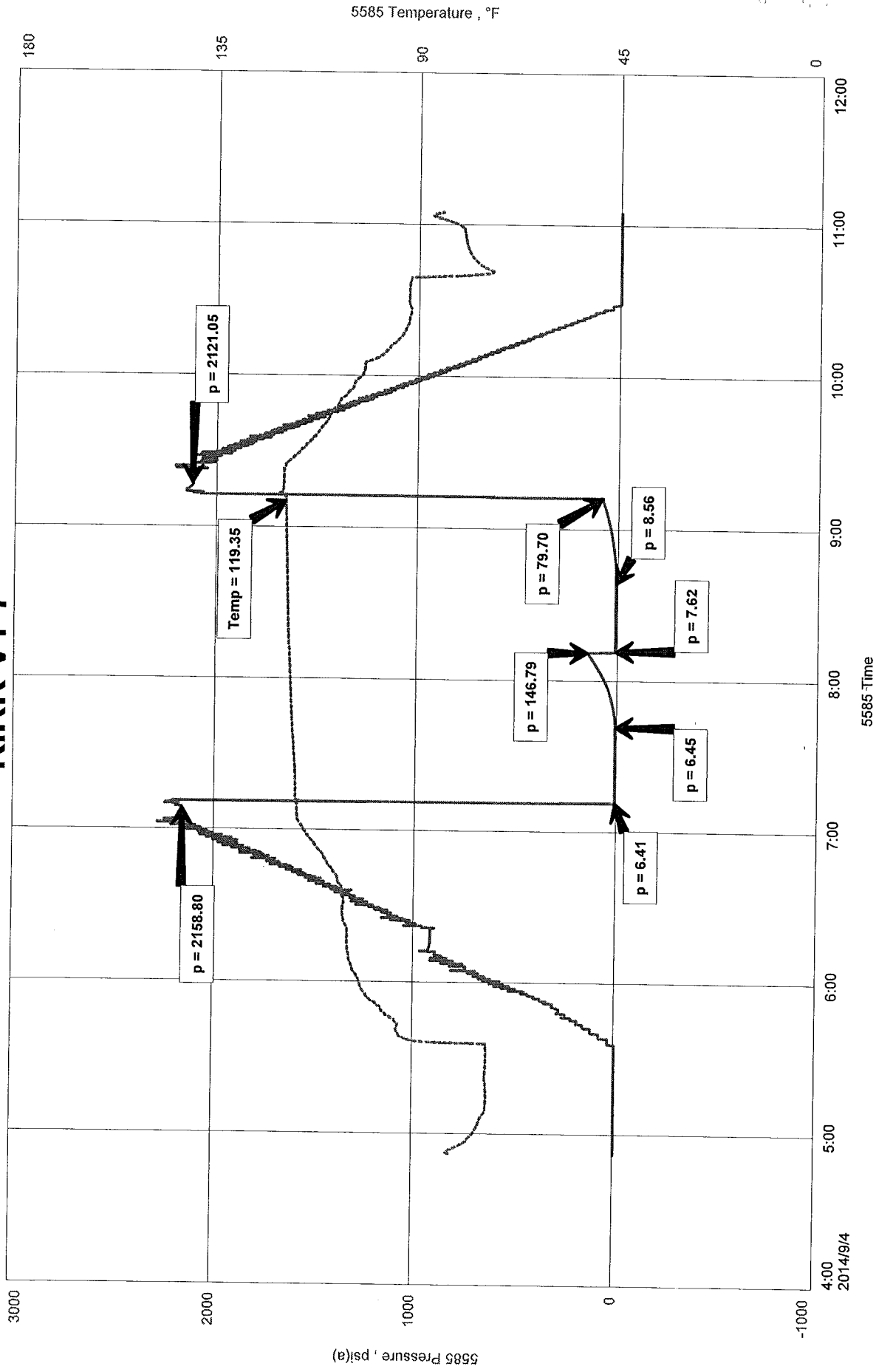
KIRK V1-7

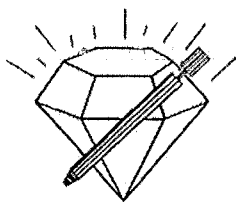
Formation: DST 3 PAWNEE/MYRICK/FT. SCOTT 4517-4596

Pool: FRICK

Job Number: A090

# KIRK V1-7





**DIAMOND TESTING, LLC**  
P.O. Box 157  
**HOISINGTON, KANSAS 67544**  
(620) 653-7550 • (800) 542-7313  
KIRKV1-7DST4

Company Val Energy, Inc. Lease & Well No. Kirk No. V1-7  
Elevation 3094 KB Formation Cherokee/Johnson Effective Pay \_\_\_\_\_ Ft. Ticket No. A091  
Date 9-5-14 Sec. 7 Twp. 17S Range 33W County Scott State Kansas  
Test Approved By Harley K. Sayles Diamond Representative Andy Carreira

Formation Test No. 4 Interval Tested from 4,599 ft. to 4,730 ft. Total Depth 4,730 ft.  
Packer Depth 4,594 ft. Size 6 3/4 in. Packer Depth \_\_\_\_\_ ft. Size \_\_\_\_\_ in.  
Packer Depth 4,599 ft. Size 6 3/4 in. Packer Depth \_\_\_\_\_ ft. Size \_\_\_\_\_ in.  
Depth of Selective Zone Set \_\_\_\_\_ ft.

Top Recorder Depth (Inside) 4,580 ft. Recorder Number 5585 Cap. 5,000 psi.  
Bottom Recorder Depth (Outside) 4,601 ft. Recorder Number 8471 Cap. 10,000 psi.  
Below Straddle Recorder Depth \_\_\_\_\_ ft. Recorder Number \_\_\_\_\_ Cap. \_\_\_\_\_ psi.

Drilling Contractor Val Energy, Inc. - Rig 1 Drill Collar Length \_\_\_\_\_ ft. I.D. \_\_\_\_\_ in.  
Mud Type Chemical Viscosity 55 Weight Pipe Length \_\_\_\_\_ ft. I.D. \_\_\_\_\_ in.  
Weight 9.1 Water Loss 8.0 cc. Drill Pipe Length 4,566 ft. I.D. 3 1/2 in.  
Chlorides 4,500 P.P.M. Test Tool Length 33 ft. Tool Size 3 1/2-IF in.  
Jars: Make Sterling Serial Number 9 Anchor Length 131 ft. 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: Very weak, surface blow. Died in 5 mins. No blow back during shut-in.

2nd Open: No blow. No blow back during shut-in.

Recovered 10 ft. of drilling mud = .142300 bbls. (Grind out: 100%-mud)  
Recovered \_\_\_\_\_ ft. of \_\_\_\_\_  
Recovered \_\_\_\_\_ ft. of \_\_\_\_\_  
Recovered \_\_\_\_\_ ft. of \_\_\_\_\_  
Recovered \_\_\_\_\_ ft. of \_\_\_\_\_  
Recovered \_\_\_\_\_ ft. of \_\_\_\_\_  
Remarks Tool Sample Grind Out: 100%-mud

Time Set Packer(s) 5:22 A.M. Time Started off Bottom 7:22 A.M. Maximum Temperature 121°  
Initial Hydrostatic Pressure.....(A) 2211 P.S.I.  
Initial Flow Period.....Minutes 30 (B) 8 P.S.I. to (C) 11 P.S.I.  
Initial Closed In Period.....Minutes 30 (D) 668 P.S.I.  
Final Flow Period.....Minutes 30 (E) 12 P.S.I. to (F) 15 P.S.I.  
Final Closed In Period.....Minutes 30 (G) 513 P.S.I.  
Final Hydrostatic Pressure.....(H) 2183 P.S.I.

# DIAMOND TESTING, LLC

TESTER : ANDY CARREIRA  
CELL # 620-617-7202

## General Information

Company Name	VAL ENERGY INC	DUSTIN WYER	Job Number	A091
Contact		KIRK V1-7	Representative	ANDY CARREIRA
Well Name		DST 4 CHEROKEE/JOHNSON 4599-4730	Well Operator	VAL ENERGY INC
Unique Well ID		SEC 7-17S-33W SCOTT CNTY,KS	Report Date	2014/09/05
Surface Location			Prepared By	ANDY CARREIRA
Well License Number				
Field		FRICK		
Well Type		Vertical		

## Test Information

Test Type	CONVENTIONAL
Formation	DST 4 CHEROKEE/JOHNSON 4599-4730
Well Fluid Type	01 Oil
Test Purpose	Initial Test

Start Test Date	2014/09/05	Start Test Time	02:40:00
Final Test Date	2014/09/05	Final Test Time	09:27:00

Gauge Name 5585

## Test Results

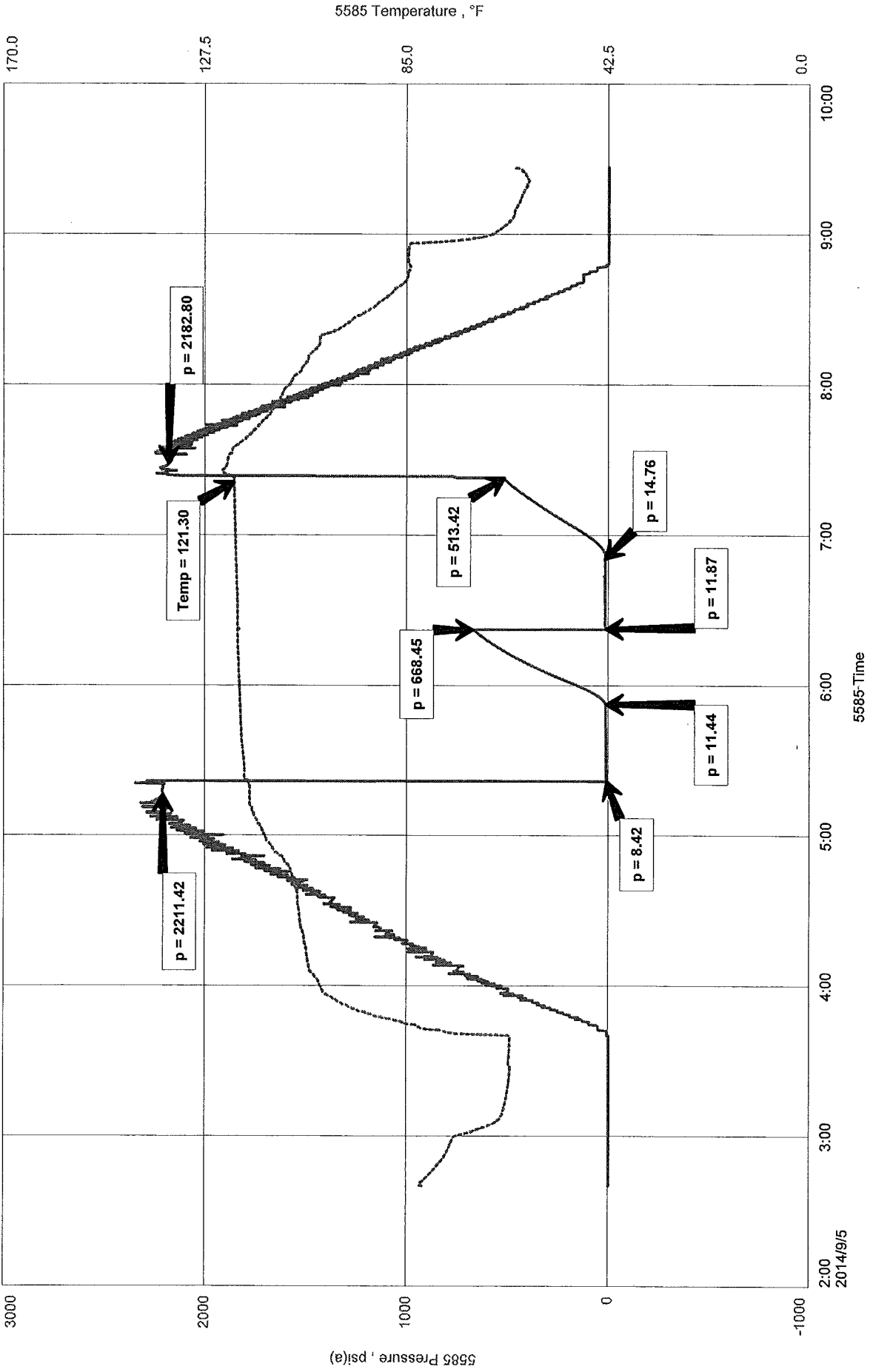
RECOVERY: 10' DM 100% MUD

TOOL SAMPLE: 100% MUD

VAL ENERGY INC  
DST 4 CHEROKEE/JOHNSON 4599-4730  
Start Test Date: 2014/09/05  
Final Test Date: 2014/09/05

KIRK V1-7  
Formation: DST 4 CHEROKEE/JOHNSON 4599-4730  
Pool: FRICK  
Job Number: A091

# KIRK V1-7



VAL ENERGY INC  
DST 4 CHEROKEE/JOHNSON 4599-4730  
Start Test Date: 2014/09/05  
Final Test Date: 2014/09/05