



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1224258
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
-----------------------------------	-----------------	---

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: _____

1224258

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

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. <i>(Submit ACO-5)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
--	--	---

Form	ACO1 - Well Completion
Operator	Blue Ridge Petroleum Corporation
Well Name	MAY 1-15
Doc ID	1224258

All Electric Logs Run

CDN
DIL
Micro
Sonic



CONSOLIDATED
Oil Well Services, LLC

270907

TICKET NUMBER 46729

LOCATION Oak Hills KS

FOREMAN Miles Swan

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

FIELD TICKET & TREATMENT REPORT
CEMENT

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY	
9-5-19	1617	May #1-15	15	25	30W	Decatur	
CUSTOMER <u>Blue Ridge</u>		OBclin 7u 1u 1/2u 2u v.mto		TRUCK #	DRIVER	TRUCK #	DRIVER
MAILING ADDRESS				399	Jeram		
CITY		STATE	ZIP CODE	460	Cedric		

JOB TYPE Surface HOLE SIZE 12 1/4" HOLE DEPTH 310' CASING SIZE & WEIGHT 8 9/16 23 #
 CASING DEPTH 370' DRILL PIPE _____ TUBING _____ OTHER _____
 SLURRY WEIGHT 14.8 SLURRY VOL 1.36 WATER gal/sk _____ CEMENT LEFT in CASING 2u'
 DISPLACEMENT 18 1/2 bbls DISPLACEMENT PSI _____ MIX PSI _____ RATE _____

REMARKS: Safety meeting and rig up on Southwind Rig d.p. Circulate casing mix 240 Sls class A cement with 3% calcium 28 gal displace 18 1/2 bbls water
Shut in Cement did circulate 4 bbls left

Thanks Miles Swan

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
54018	1	PUMP CHARGE	1150.00	1150.00 ✓
5406	60	MILEAGE	5.25	315.00 ✓
5407A	11.28 Tons	Ton mileage delivery	1.75	1184.40 ✓
1102	677 #	Calcium Chloride	.94	636.38 ✓
11045	240 Sls	Class A Cement	18.55	4452.00 ✓
1118B	452 #	Bentonite gel	.27	122.04 ✓
Minus Rig time from pump truck breakdown Phrs			425.00	-3400.00
			Subtotal	7859.82
			- 1090 =	785.98
				7073.84
			- 3400.00	
			Subtotal	3673.84
			less 10% discount	4185.98 ✓
			Subtotal	3673.84
			SALES TAX	335.180
			ESTIMATED TOTAL	4009.14 ✓

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.
 05-14 2019

JOB LOG

SWIFT Services, Inc.

DATE 9/2 Sep 14 PAGE NO.

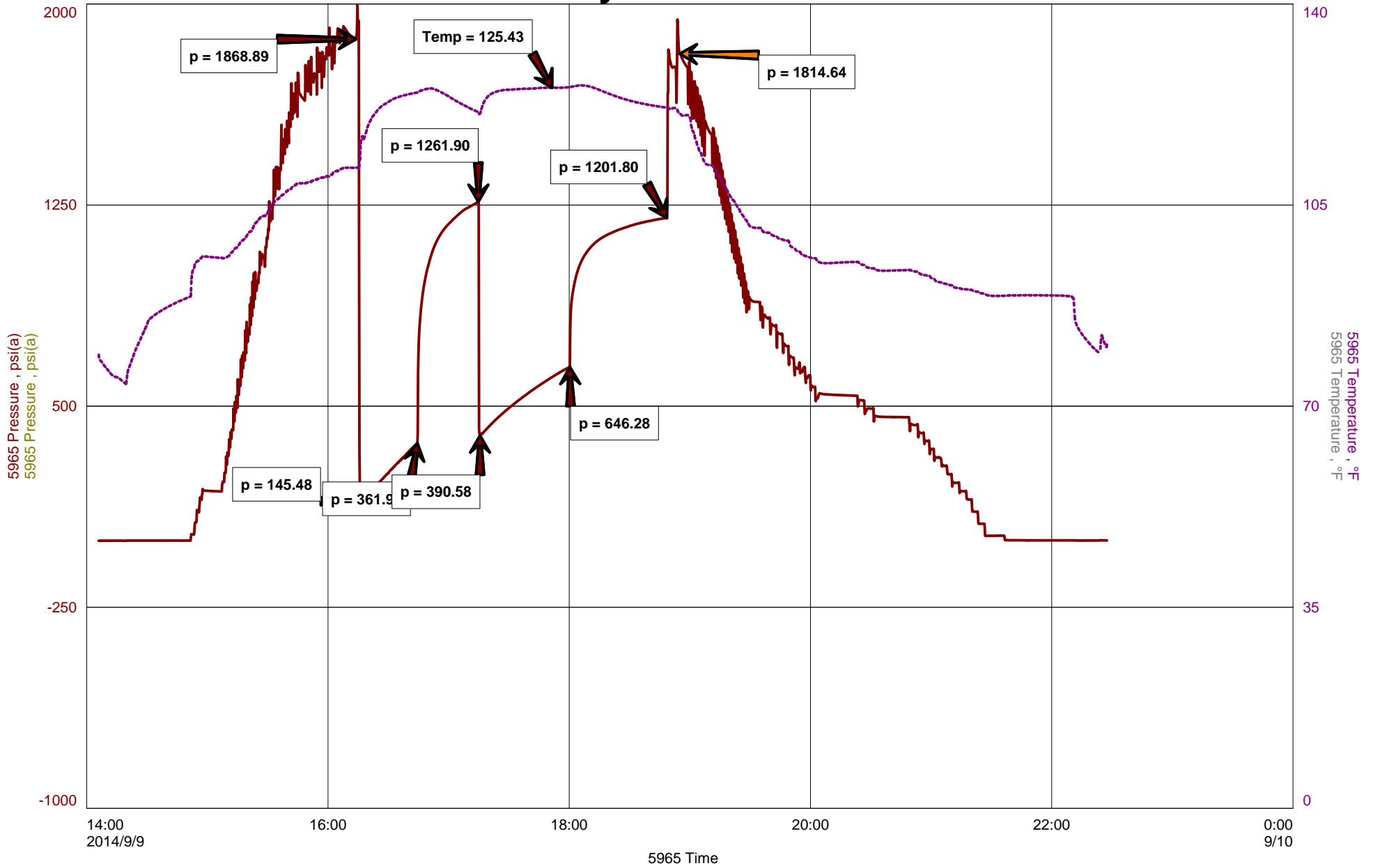
CUSTOMER BLUE RIDGE PETROLEUM WELL NO. LEASE MAY 1-15 JOB TYPE 5 1/2 LONG STRING TICKET NO. 27931

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	1745							DN LOCATION
	2020							START PIPE - 5 1/2 - 15.5# RTD @ 4080 LTD @ 4081 SHOE JT. 42.15 CENTRALIZERS 1, 4, 5, 6, 7, 8, 9, 37, 59, 60, 62, 63 BASKETS 7, 37, 60, 43
	2207							DROP BALL - CIRCULATE.
	2228	6	12		✓			Pump 500 gal MUD FLUSH
		6	20		✓			Pump 20 Bbl KCL SPACER
	2235		7.5					PLUG RH - 30 sx, MH - 20 sx 280
	2238	6	16 1/2		✓			MIX 30 30 sx SMD @ 11.2 ppG.
		6	21 1/2		✓			MIX 70 sx SMD @ 13.5 ppG.
		6	18		✓			MIX 70 sx SMD @ 14.5 ppG.
	0012							WASH OUT PUMP & LINES.
	0015	6			✓			START DISPLACING PLUG.
	0038				✓	1500		PLUG DOWN LATCH PLUG IN.
	0040							RELEASE PSI - DRY
	0045							WASH TRUCK
	0115							JOB COMPLETE
								THANKS # 115
								JASON DUBTY, ROB

Blue Ridge Pet.
DST 1 Lan A&B 3790-3835
Start Test Date: 2014/09/09
Final Test Date: 2014/09/09

May 1-15
Formation: Lan A&B
Job Number: W111

May 1-15 DST 1





Diamond Testing General Report

Wilbur Steinbeck
TESTER
CELL: 620-282-1573

General Information

Company Name	Blue Ridge Pet.	Clint Musgrove	Job Number	W111
Contact		May 1-15	Representative	Wilbur Steinbeck
Well Name		DST 1 Lan A&B 3790-3835	Well Operator	Southwind #8
Unique Well ID		15-2s-30w Decatur/Kan	Report Date	2014/09/09
Surface Location		Wildcat	Prepared By	Wilbur Steinbeck
Field			Qualified By	Clint Musgrove

Test Information

Test Type	Conventional
Formation	Lan A&B
Well Fluid Type	01 Oil
Test Purpose (AEUB)	Initial Test

Start Test Date	2014/09/09	Start Test Time	14:06:00
Final Test Date	2014/09/09	Final Test Time	22:34:00

Test Recovery

Recovery 1134' WGCO 2.5%W 20%G 77.5%O
 126' GMCO 15%G 20%M 65%O
 378' WGCO 5%W 25%G 70%O
 126' GOCM 10%G 10%O 80%M
 1764' Total Fluid
 1450' G.I.P

Tool Sample MGCO 10%M 15%G 75%O

Corrected Gravity 29.4



DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313
DRILL-STEM TEST TICKET
FILE: May 1-15 DST 1

TIME ON: 14:06
TIME OFF: 22:34

Company Blue Ridge Pet. Lease & Well No. May 1-15
Contractor Southwind Drilling #8 Charge to Blue Ridge
Elevation 2793 KB Formation _____ Lan A&B Effective Pay _____ Ft. Ticket No. W111
Date 9-9-14 Sec. 15 Twp. _____ 2n S Range _____ 30 W County _____ Decatur State KANSAS
Test Approved By _____ Diamond Representative Wilbur Steinbeck

Formation Test No. 1 Interval Tested from 3790 ft. to 3835 ft. Total Depth 3835 ft.
Packer Depth 3785 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
Packer Depth 3790 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.

Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 3776 ft. Recorder Number 5965 Cap. 5,000 P.S.I.
Bottom Recorder Depth (Outside) 3791 ft. Recorder Number 5446 Cap. 5,000 P.S.I.
Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.

Mud Type CHEMICAL Viscosity 58 Drill Collar Length 0 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 1,500 P.P.M. Drill Pipe Length 3765 ft. I.D. 3 1/2 in.
Jars: Make STERLING Serial Number 07 Test Tool Length 25 ft. Tool Size 3 1/2-IF in.
Did Well Flow? Yes Reversed Out _____ Anchor Length 45 ft. Size 4 1/2-FH in.
Main Hole Size 7 7/8 Tool Joint Size 4 1/2 in. Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: BOB in 26 sec BOB in 29 min
2nd Open: BOB in 1 1/2 min BOB in 13 min

Recovered 1134 ft. of WGCO 2.5%W 20%G 77.5%O
Recovered 126 ft. of GMCO 15%G 20%M 65%O
Recovered 378 ft. of WGCO 5%W 25%G 70%O
Recovered 126 ft. of GOCM 10%G 10%O 80%M

Recovered <u>1764</u> ft. of <u>Total Fluid</u>	Price Job
Recovered <u>1450</u> ft. of <u>GIP</u>	90 Miles RT Other Charges
Remarks: <u>Tool Sample MGCO 10%M 15%G 75%O</u>	Insurance
Corrected Gravity= <u>29.4</u>	Total

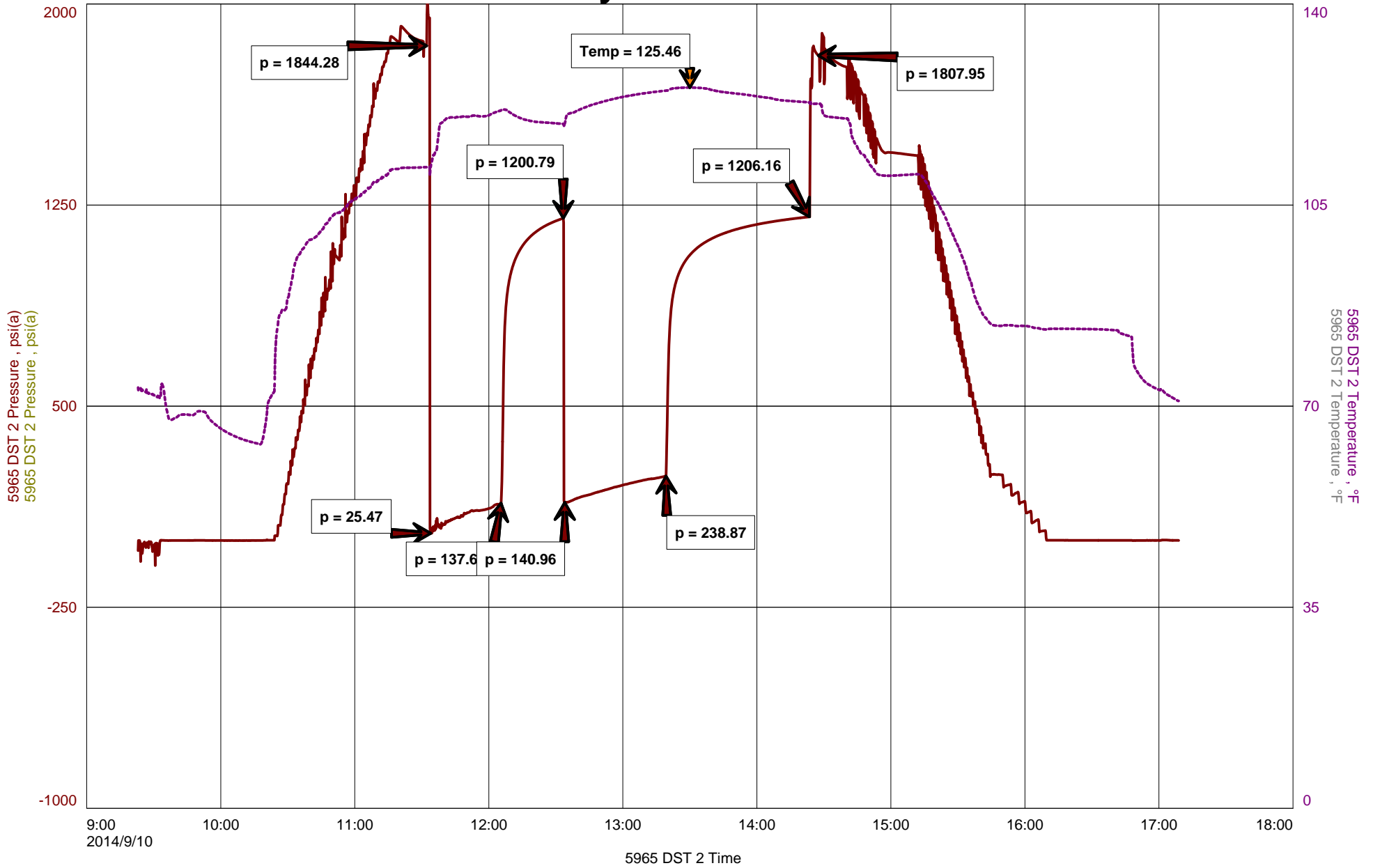
Time Set Packer(s) 16:20 A.M. P.M. Time Started Off Bottom 18:50 A.M. P.M. Maximum Temperature 125
Initial Hydrostatic Pressure..... (A) 1869 P.S.I.
Initial Flow Period..... Minutes 30 (B) 145 P.S.I. to (C) 362 P.S.I.
Initial Closed In Period..... Minutes 30 (D) 1262 P.S.I.
Final Flow Period..... Minutes 45 (E) 391 P.S.I. to (F) 646 P.S.I.
Final Closed In Period..... Minutes 45 (G) 1202 P.S.I.
Final Hydrostatic Pressure..... (H) 1815 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.

Blue Ridge Pet.
DST 2 Lan D-F 3842-3895
Start Test Date: 2014/09/10
Final Test Date: 2014/09/10

May 1-15
Formation: Lan D-F
Job Number: W112

May 1-15 DST 2





Diamond Testing General Report

Wilbur Steinbeck
TESTER
CELL: 620-282-1573

General Information

Company Name	Blue Ridge Pet.	Clint Musgrove	Job Number	W112
Contact		May 1-15	Representative	Wilbur Steinbeck
Well Name		DST 2 Lan D-F 3842-3895	Well Operator	Southwind #8
Unique Well ID		15-2s-30w Decatur/Kan	Report Date	2014/09/10
Surface Location		Wildcat	Prepared By	Wilbur Steinbeck
Field			Qualified By	Clint Musgrove

Test Information

Test Type	Conventional		
Formation	Lan D-F		
Well Fluid Type	01 Oil		
Test Purpose (AEUB)	Initial Test		
Start Test Date	2014/09/10	Start Test Time	09:23:00
Final Test Date	2014/09/10	Final Test Time	17:10:00

Test Recovery

Recovery 380' Free Oil & Gas
 190' MWCO 20%M 30%W 50%O
 60' MCW 5%M 90%W
 630' Total Fluid
 570' G.I.P

Tool Sample MOCW 10%M 30%O 60\$W

Corrected Gravity 34.4

RW=.240@72 Deg



DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313
DRILL-STEM TEST TICKET
FILE: May 1-15 DST 2

TIME ON: 9:23
TIME OFF: 17:10

Company Blue Ridge Pet. Lease & Well No. May 1-15
Contractor Southwind Drilling #8 Charge to Blue Ridge
Elevation 2793 KB Formation _____ Lan C&D Effective Pay _____ Ft. Ticket No. W112
Date 9-10-14 Sec. 15 Twp. _____ 2n S Range _____ 30 W County _____ Decatur State KANSAS
Test Approved By Clint Musgrove Diamond Representative Wilbur Steinbeck

Formation Test No. 2 Interval Tested from 3842 ft. to 3895 ft. Total Depth 3895 ft.
Packer Depth 3837 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
Packer Depth 3842 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.

Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 3828 ft. Recorder Number 5965 Cap. 5,000 P.S.I.
Bottom Recorder Depth (Outside) 3843 ft. Recorder Number 5446 Cap. 5,000 P.S.I.
Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.

Mud Type CHEMICAL Viscosity 59 Drill Collar Length 0 ft. I.D. 2 1/4 in.
Weight 9.3 Water Loss 8.8 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.
Chlorides 2000 P.P.M. Drill Pipe Length 3817 ft. I.D. 3 1/2 in.
Jars: Make STERLING Serial Number 07 Test Tool Length 25 ft. Tool Size 3 1/2-IF in.
Did Well Flow? Yes Reversed Out No Anchor Length 53 ft. Size 4 1/2-FH in.
Main Hole Size 7 7/8 Tool Joint Size 4 1/2 in. Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: BOB in 3 min Built to 5"
2nd Open: BOB in 8 min BOB in 45 min

Recovered 380 ft. of Free Oil & Gas
Recovered 190 ft. of MWCO 20%M 30%W 50%O
Recovered 60 ft. of MCW 10%M 90%W
Recovered 630 ft. of Total Fluid
Recovered 570 ft. of G.I.P

Recovered _____ ft. of _____	90 Miles RT	Price Job
Remarks: <u>Tool Sample MOCW 10%M 30%O 60%W</u>		Other Charges
<u>Corrected Gravity=34.4</u>		Insurance
<u>RW=.240@72 Deg</u>		Total

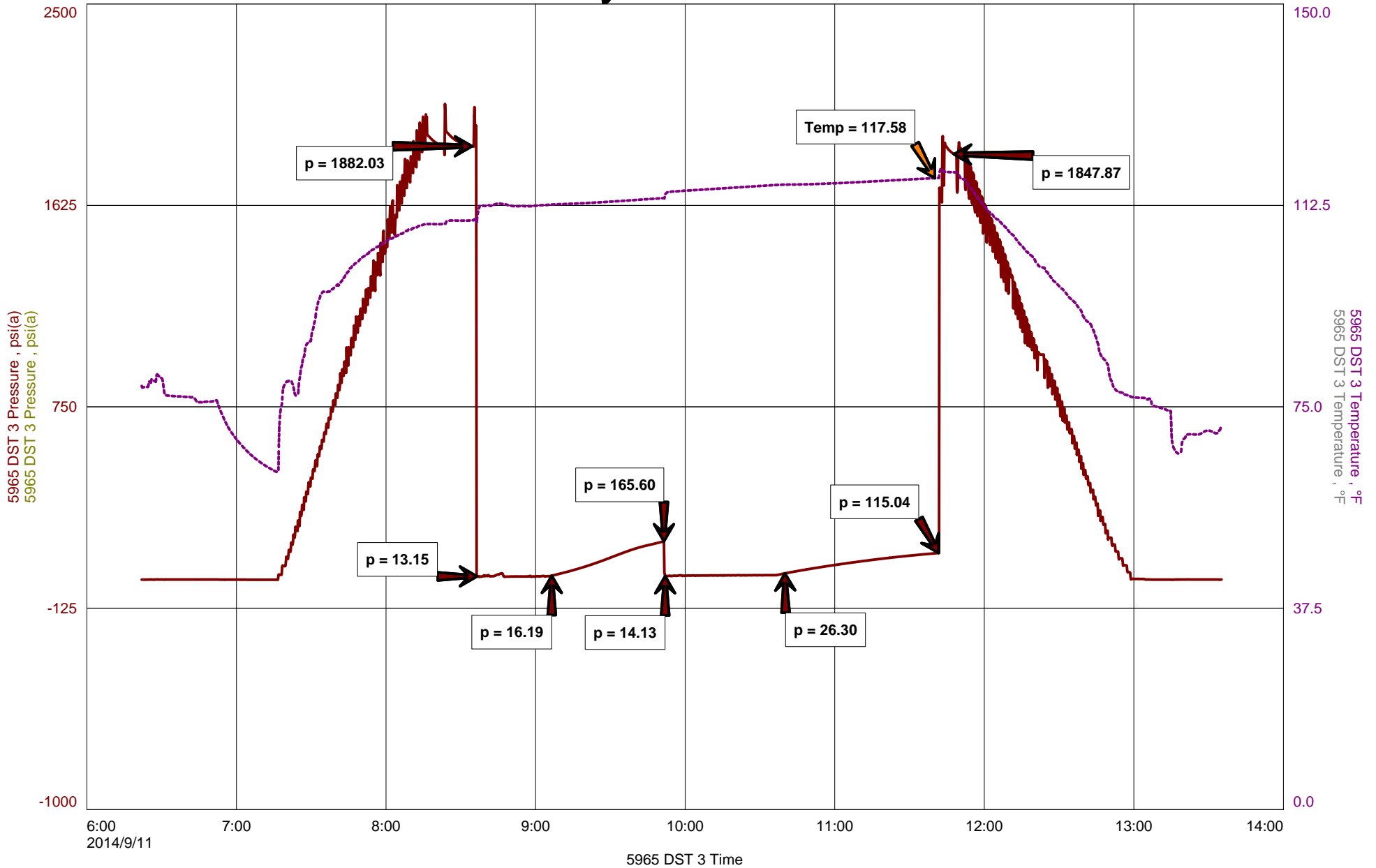
Time Set Packer(s) 11:35 A.M. P.M. Time Started Off Bottom 14:20 A.M. P.M. Maximum Temperature 125
Initial Hydrostatic Pressure..... (A) 1844 P.S.I.
Initial Flow Period..... Minutes 30 (B) 25 P.S.I. to (C) 138 P.S.I.
Initial Closed In Period..... Minutes 30 (D) 1201 P.S.I.
Final Flow Period..... Minutes 45 (E) 141 P.S.I. to (F) 239 P.S.I.
Final Closed In Period..... Minutes 60 (G) 1206 P.S.I.
Final Hydrostatic Pressure..... (H) 1808 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.

Blue Ridge Pet.
DST 3 Lan J 3930-3970
Start Test Date: 2014/09/11
Final Test Date: 2014/09/11

May 1-15
Formation: Lan J
Job Number: W113

May 1-15 DST 3





Diamond Testing General Report

Wilbur Steinbeck
TESTER
CELL: 620-282-1573

General Information

Company Name	Blue Ridge Pet.	Job Number	W113
Contact	Clint Musgrove	Representative	Wilbur Steinbeck
Well Name	May 1-15	Well Operator	Southwind #8
Unique Well ID	DST 3 Lan J 3930-3970	Report Date	2014/09/11
Surface Location	15-2s-30w Decatur/Kan	Prepared By	Wilbur Steinbeck
Field	Wildcat	Qualified By	Clint Musgrove

Test Information

Test Type	Conventional		
Formation	Lan J		
Well Fluid Type	01 Oil		
Test Purpose (AEUB)	Initial Test		
Start Test Date	2014/09/11	Start Test Time	06:22:00
Final Test Date	2014/09/11	Final Test Time	13:36:00

Test Recovery

Recovery 10' Free Oil & Gas
 10' GMCO 10%G 25%M 65%O
 10' Total Fluid
 10' G.I.P

Tool Sample MCO 25%M 75%O

Corrected Gravity 30.6



DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313
DRILL-STEM TEST TICKET
FILE: May 1-15 DST 3

TIME ON: 6:22
TIME OFF: 13:36

Company Blue Ridge Pet. Lease & Well No. May 1-15
Contractor Southwind Drilling #8 Charge to Blue Ridge
Elevation 2793 KB Formation _____ Lan J Effective Pay _____ Ft. Ticket No. W113
Date 9-11-14 Sec. 15 Twp. _____ 2n S Range _____ 30 W County _____ Decatur State KANSAS
Test Approved By Clint Musgrove Diamond Representative Wilbur Steinbeck

Formation Test No. 3 Interval Tested from 3930 ft. to 3970 ft. Total Depth 3970 ft.
Packer Depth 3925 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
Packer Depth 3930 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.

Depth of Selective Zone Set _____
Top Recorder Depth (Inside) 3916 ft. Recorder Number 5965 Cap. 5,000 P.S.I.
Bottom Recorder Depth (Outside) 3931 ft. Recorder Number 5446 Cap. 5,000 P.S.I.
Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.
Mud Type CHEMICAL Viscosity 59 Drill Collar Length _____ 0 ft. I.D. 2 1/4 in.
Weight 9.3 Water Loss 8.8 cc. Weight Pipe Length _____ 0 ft. I.D. 2 7/8 in.
Chlorides 2000 P.P.M. Drill Pipe Length 3905 ft. I.D. 3 1/2 in.
Jars: Make STERLING Serial Number 07 Test Tool Length 25 ft. Tool Size 3 1/2-IF in.
Did Well Flow? Yes Reversed Out No Anchor Length 40 ft. Size 4 1/2-FH in.
Main Hole Size 7 7/8 Tool Joint Size 4 1/2 in. Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: Built to 4 1/4" Built to 2"
2nd Open: Built to 6" Built to 4"

Recovered 10 ft. of Free Oil & Gas
Recovered 10 ft. of GMCO 10%G 25%M 65%O
Recovered 20 ft. of Total Fluid
Recovered 10 ft. of G.I.P

Recovered _____ ft. of _____	Price Job
Recovered _____ ft. of _____	90 Miles RT
Remarks: <u>Tool Sample MCO 25%M 75%O</u>	Insurance
<u>Corrected Gravity=30.6</u>	Total

Time Set Packer(s) 8:35 A.M. P.M. Time Started Off Bottom 11:35 A.M. P.M. Maximum Temperature 118
Initial Hydrostatic Pressure..... (A) 1882 P.S.I.
Initial Flow Period..... Minutes 30 (B) 13 P.S.I. to (C) 16 P.S.I.
Initial Closed In Period..... Minutes 45 (D) 166 P.S.I.
Final Flow Period..... Minutes 45 (E) 14 P.S.I. to (F) 26 P.S.I.
Final Closed In Period..... Minutes 60 (G) 115 P.S.I.
Final Hydrostatic Pressure..... (H) 1848 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.



Musgrove

Geologist's Report

Company: *Blueridge Petroleum Corporation*
Lease: *May 1-15*
Field: *Wildcat*
Location: *W2-SE-SW-SW (330 FSL & 710 FWL)*
Sec: *15* **Twsp:** *2S* **Rge:** *30W*
County: *Decatur* **State:** *Kansas*
GL: *2784'* **KB:** *2795'*

Contractor: *Southwind Drilling Rig #8*
Spud: *9/4/14* **Comp:** *9/12/14*
RTD: *4080'* **LTD:** *4079'*
Mud Up: *3200'* **Type Mud:** *Chemical/Displaced*

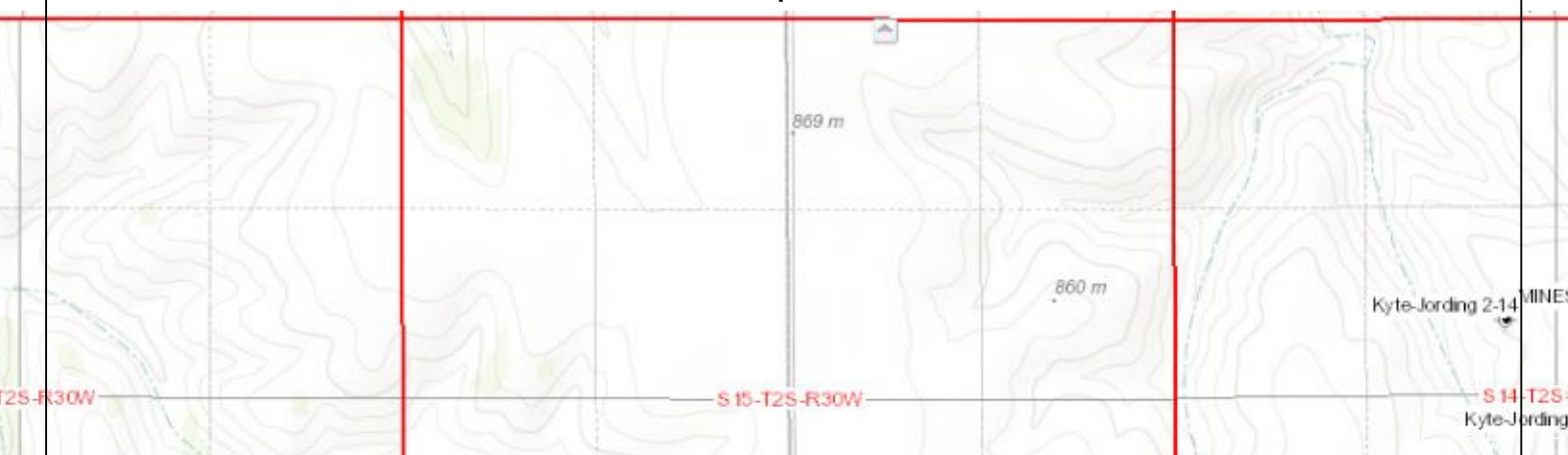
Samples Saved From: *3500' to RTD*
Drilling Time Kept From: *3500' to RTD*
Samples Examined From: *3500' to RTD*
Geological Supervision From: *3500' to RTD*
Geologist on Well: *Clint Musgrove*

Surface Casing: *8 5/8" @ 310'*
Production: *5 1/2 @ 4079'*

Logs: *By: Nabors: CNL/CDL, DIL, MEL, SONIC*

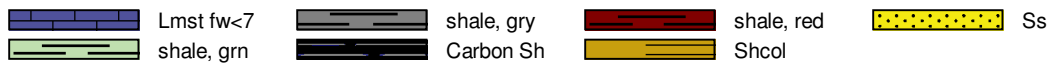
Well Comparison Sheet

Well Comparison 25





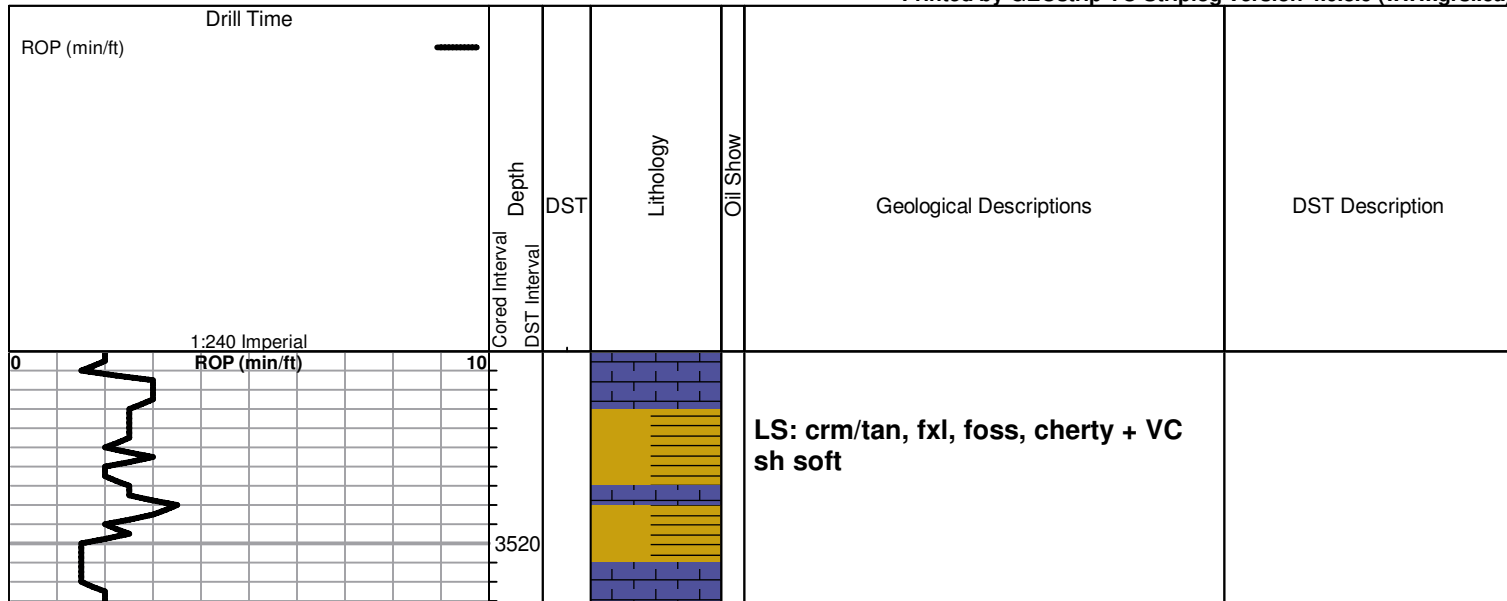
ROCK TYPES

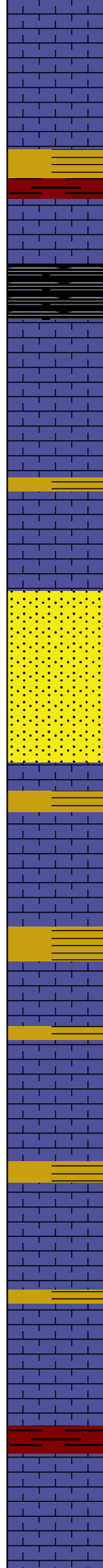
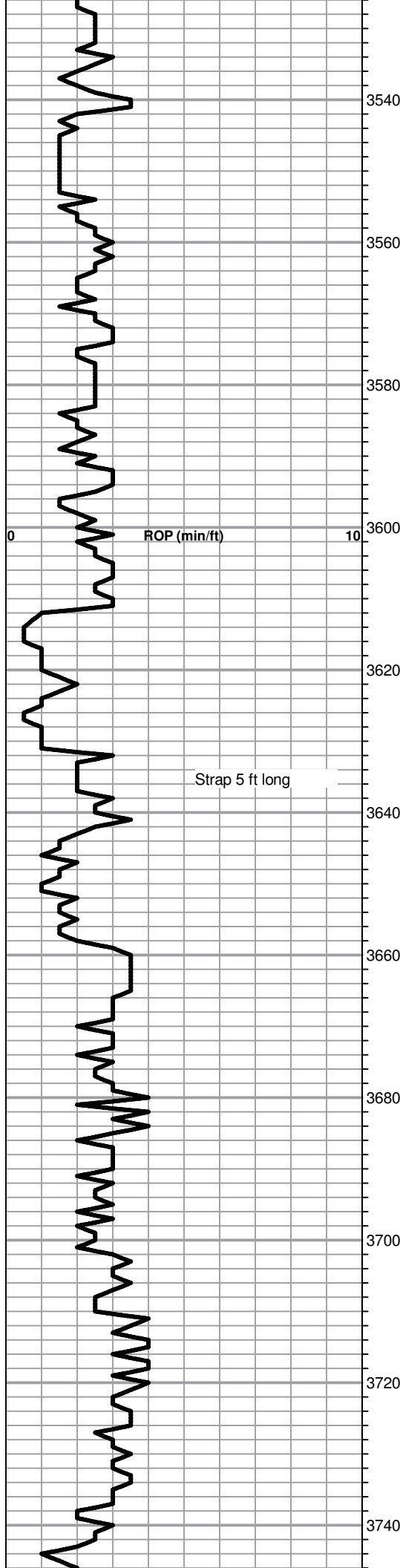


OTHER SYMBOLS

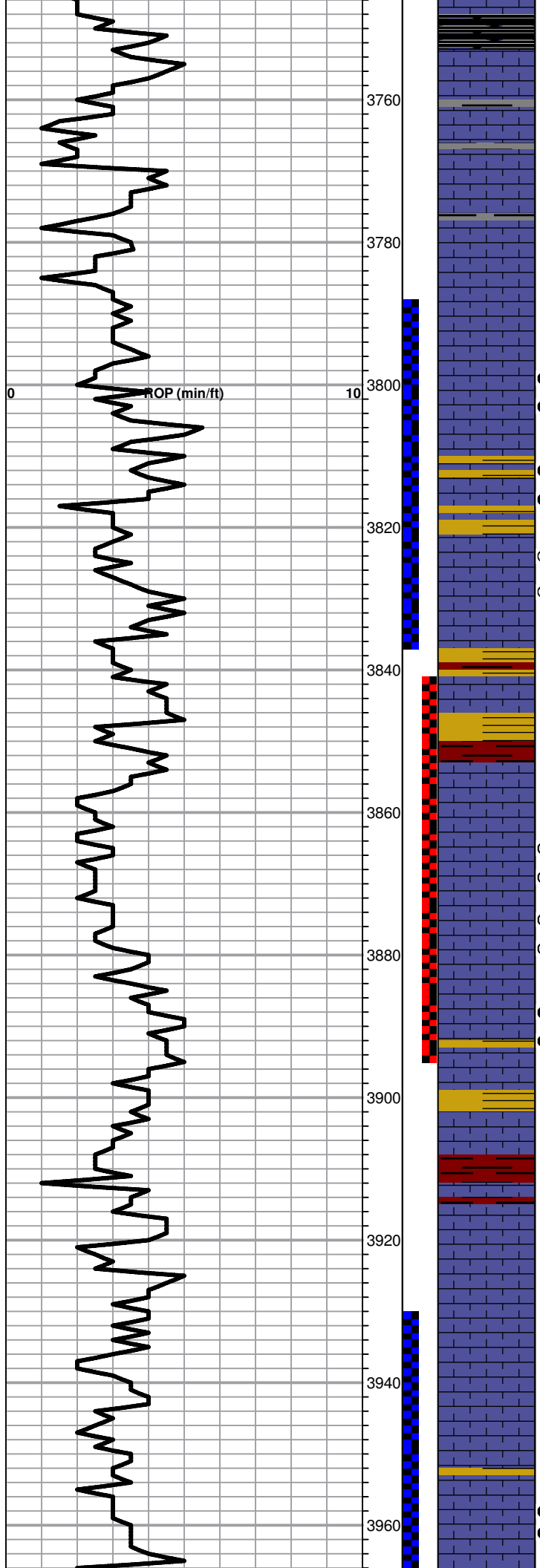


Printed by GEOstrip VC Striplog version 4.0.8.9 (www.grsi.ca)





- LS; crm, fxl, cherty, poor vis porosity, nsfo
- Sh. gry/red soft
- Blk carb sh
- LS; cr, fxl, foss, poor vis porosity, nsfo
- LS; crm, fxl, cherty, foss, (dense)
- Sd. fvg, well sorted, poor vis porosity, nsfo
- LS; crm, fxl, cherty, poor vis porosity, nsfo
- VC sh soft
- LS: crm/tan, fxl, poor vis porosity, chlky, nsfo
- LS; crm, fxl, cherty, ft blk stn, sfo, no odor, poor vis porosity
- LS; tan/crm, fxl, cherty dense, nsfo
- LS; tan, fxl, foss, cherty, poor vis porosity
- Sh. gry/maroon soft
- LS; crm, fxl, foss, very cherty, nsfo, no odor



Heebner

Sample 3751.0 (-958.0)

Log 0.0 (0.0)

Blk carb sh

LS: crm, fxl, ft blk stn nsfo, tr pyr

LS, crm, fxl, scatt vis porosity

LS; crm, fxl, cherty, scatt vis porosity, ft. sfo, no odor

Lansing

Sample 3796.0 (-1003.0)

Log 0.0 (0.0)

LS; crm, fxl, scatt vis porosity, ft blk/brn stn, sfo, no odor

LS; crm, fxl, vuggy ppt porosity, ft golden brn stn, sfo, no odor

LS; crm, fxl, ft brn stn, sfo, no odor, poor vis porosity

VC sh tan/red soft

Tr. red sh soft

LS; crm, fxl, chlky, cherty, nsfo, poor vis porosity

LS; crm, fxl, cherty, very ft stn, faint sfo, no odor

LS; crm, fxl, cherty in part, good golden brn stn, scatt ppt porosity, sfo, no odor

LS; crm, fxl, ft brn stn, fair to med ixl porosity, sfo, no odor

VC sh soft

Tr red sh, soft

LS; crm, fxl, chlky, nsfo

LS; fxl, cherty, poor vis porosity

LS; crm, f-med xln, scatt vis porosity, nsfo

LS; crm, fxl, f-ixn porosity, spotty brn stn, sfo, no odor

**DST #1 3790-3835
30-30-45-45**

Blow: BOB 26 sec
2nd: BOB 1.5 mins

Recovery:
1450' GIP
1134' WGCO (2.5%
W, 20%G, 77.5%O)
126' GMCO (15%G, 20%
M, 65%O)
378' WGCO (5%W, 25%
G, 70%O)
126' GOCM (10%G, 10%
O, 80%M)

Pressures:
ISIP: 1262 psi
FSIP: 1202 psi
IFP: 145-362 psi
FFP: 391-646 psi
HSH: 1869-1815 psi

**DST #2 3842-3895
30-30-45-60**

Blow: BOB 3 mins
2nd: BOB 8 mins

Recovery:
380' Free Oil and Gas
190' MWCO (20%M,
30%W, 50%O)
60' MCW (10%M, 90%W)
570' GIP

Pressures:
ISIP: 1201 psi
FSIP: 1206 psi
IFP: 25-138 psi
FFP: 141-239 psi
HSH: 1844-1808 psi

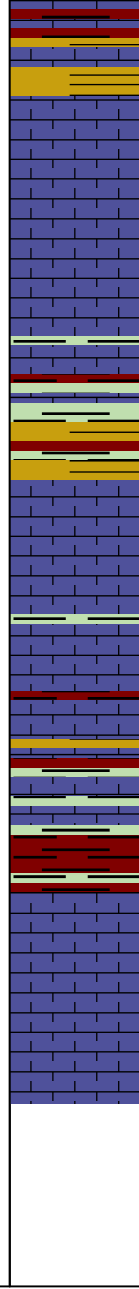
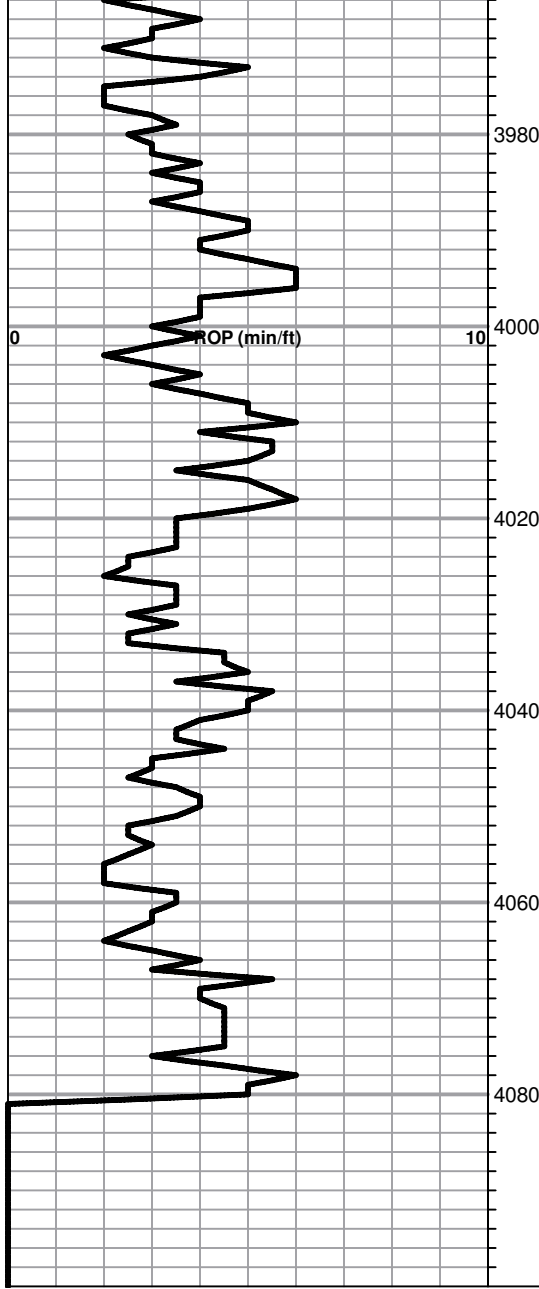
**DST #3 3930-3970
30-45-45-60**

Blow: 4.5 inches
2nd: 6 inches

Recovery:
10' Free Oil and Gas
10" GMCO (10%G, 25%
M, 65%O)

10' GIP

Pressures:
ISIP: 166 psi
FSIP: 115 psi
IFP: 13-16 psi
FFP: 14-26 psi
HSH: 1882-1848 psi



Red sh soft

VC red/maroon/gry sh

LS; crm, fxl, cherty, abundant red sh

LS' crm, f-med xln, scatt vis porosity nsfo

LS; crm, fxl, chlky, scatt vis porosity, nsfo, no odor

VC sh

BKC

Sample 4017.0 (-1224.0)
Log 0.0 (0.0)

LS; crm, fxl, cherty, poor vis porosity.

Tr. gry/red sh soft

Abundant red sh. soft

LS; crm, fxl, chlky, poor vis porosity, nsfo (dense)

LS; crm, fxl, foss, poor vis porosity

RTD

Sample 4080.0 (-1287.0)
Log 0.0 (0.0)