



Confidentiality Requested:

Yes  No

KANSAS CORPORATION COMMISSION 1255086  
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: \_\_\_\_\_



1255086

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. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <i>(Submit ACO-4)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____	<b>PRODUCTION INTERVAL:</b> _____ _____
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Form	ACO1 - Well Completion
Operator	LB Exploration, Inc.
Well Name	Hopkin's Ranch 30 2
Doc ID	1255086

All Electric Logs Run

Dual Induction
Dual Compensated Porosity
Microresistivity
Borehole Compensated Sonic

Customer *LB Exploration Inc* Lease No. \_\_\_\_\_ Date *1-9-15*

Lease *HOPKINS Bunch* Well # *2-30*

Field Order # *12152* Station \_\_\_\_\_ Casing *13 7/8* Depth *223* County *Barber* State *155*

Type Job *CNW surface 13 7/8 conductor* Formation \_\_\_\_\_ Legal Description *30-32-13*

PIPE DATA		PERFORATING DATA		FLUID USED	TREATMENT RESUME		
Casing Size	Tubing Size	Shots/Ft		Acid	RATE	PRESS	ISIP
<i>13 7/8</i>				Pre Pad	Max		5 Min.
Depth <i>223</i>	Depth	From	To	Pad	Min		10 Min.
Volume <i>32</i>	Volume	From	To	Frac	Avg		15 Min.
Max Press	Max Press	From	To		HHP Used		Annulus Pressure
Well Connection	Annulus Vol.	From	To	Flush	Gas Volume		Total Load
Plug Depth <i>205</i>	Packer Depth	From	To				

Customer Representative \_\_\_\_\_ Station Manager *Kevin* Treater *JO-E*

Service Units *1920926 337028 19960 19860 92911*

Driver Names *JOSEPH COLE JO*

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
<i>0030</i>					<i>on LOC / safety meeting</i>
					<i>Running Csg upon arrival</i>
<i>0100</i>					<i>Csg on bottom FCW with Bit</i>
<i>0130</i>					<i>Hook up to pump start job</i>
<i>0130</i>	<i>200</i>		<i>5</i>	<i>5</i>	<i>H2O spacer</i>
			<i>43</i>	<i>5</i>	<i>mix 2005k 60/40 P07 @ 148F</i>
			<i>0</i>	<i>5</i>	<i>Start disp.</i>
			<i>0</i>	<i>5</i>	<i>Cement to surface</i>
<i>0200</i>	<i>300</i>		<i>32</i>	<i>0</i>	<i>Plug Down</i>
					<i>30 BBL cement to pit</i>
					<i>JOB complete</i>
					<i>Thank you</i>
					<i>JO</i>

Customer <b>LB EXPLORATION</b>	Lease No.	Date <b>1-22-15</b>	
Lease <b>HOPKINS ranch</b>	Well # <b>2-30</b>		
Field Order # <b>11115</b>	Station <b>Pratt</b>	Casing <b>5 1/2</b>	Depth <b>5162</b>
Type Job <b>CAV 5 1/2 10-15 STRING</b>		Formation	Legal Description <b>30-32-13</b>
County <b>BAIRD</b>		State	

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME	
Casing Size <b>5 1/2</b>	Tubing Size	Shots/Ft		Acid <b>150 GAL AA-2</b>	RATE <b>2.8</b>	PRESS <b>22.92</b>	ISIP
Depth <b>5162</b>	Depth	From	To	Pre Pad <b>75 GAL</b>	Max		5 Min.
Volume <b>125.9</b>	Volume	From	To	Pad	Min		10 Min.
Max Press <b>1300</b>	Max Press	From	To	Frac	Avg		15 Min.
Well Connection <b>12</b>	Annulus Vol.	From	To		HHP Used		Annulus Pressure
Plug Depth <b>5131.91</b>	Packer Depth	From	To	Flush <b>125.2</b>	Gas Volume		Total Load

Customer Representative <b>Michael Patton</b>	Station Manager	Treater
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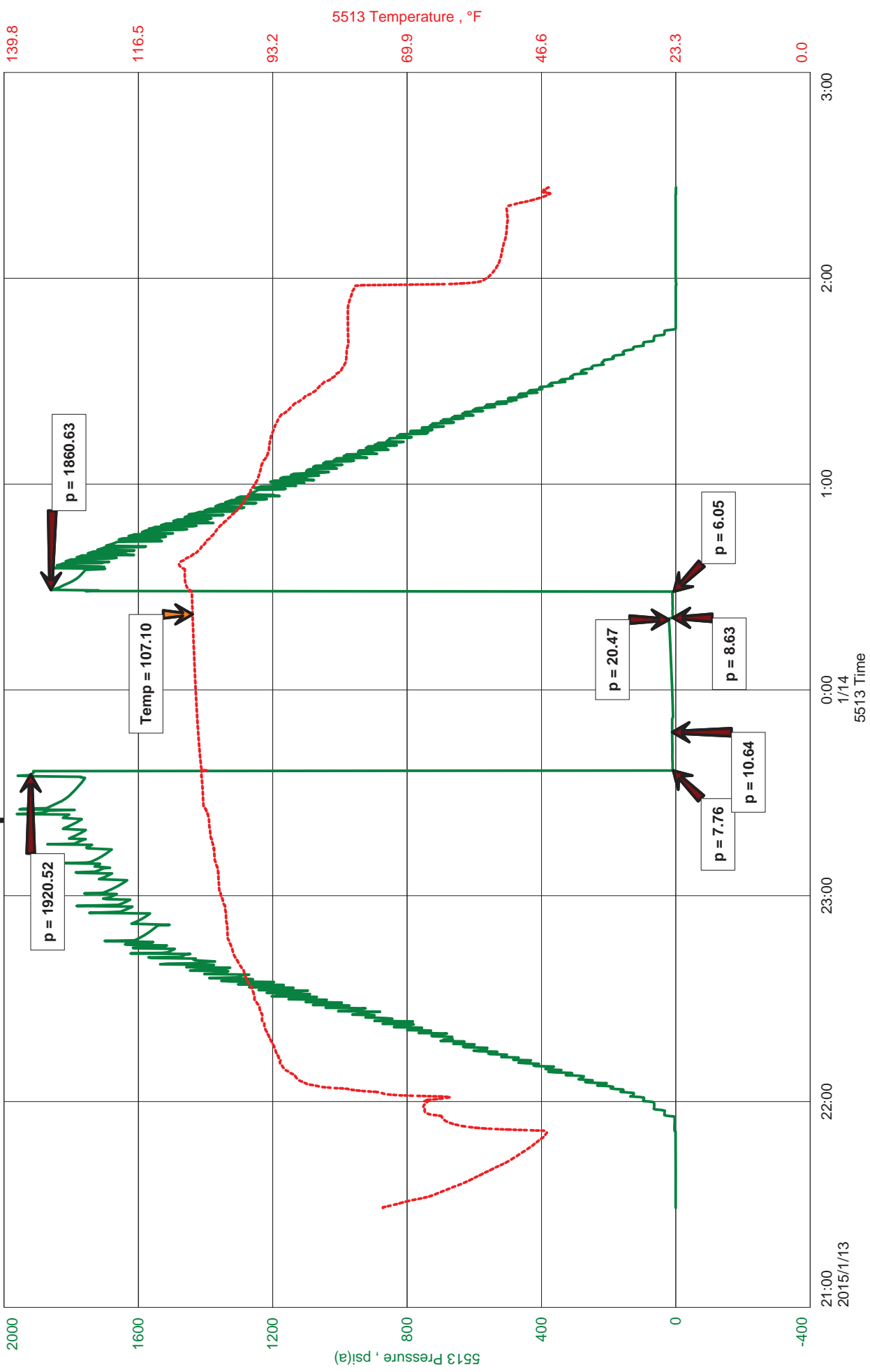
Service Units <b>37586</b>	<b>7768</b>	<b>19905</b>	<b>17860</b>	<b>19905</b>				
Driver Names <b>Michael Patton</b>	<b>Meghan</b>		<b>Ernst</b>					

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
8:45					ON LOCATION / READY TO START
8:50					RUN 5 1/2 14" CAV. PACKER SHOW FIRST
					WASH 16" TUBING @ 6.5, 7.5, 10, 11, 14, 18, 19, 20
10:40					CIRCULATE 16" AT 1000 GPM
11:42	1300			1.2	HOW TO PAUSE TIME, CAVING PLUGGING
11:57	900			2	PUMP MUD
12:14	750			4	"
12:42	450			5	"
12:57	000		295	8	"
1:17	000		445	7	"
1:26					DIAPHRAGM BALL RUNNING ON SEALS
1:35	1300				BALL <del>AT</del> SET PACKER SHOW
1:41	250			5	MIX 25 GAL SPERM SCAVENGER
1:42	200			5.5	MIX 150 GAL AA-2
1:51	-		4	3	WASH PUMP & LINE 1-2 GAL PER MIN
1:53	-		-	6	START 22 WET DISC
2:07	300		80	5.9	LIFT PLUG
2:13	900			3	STOP RUN
2:15	1500		130.2	-	PLUG PUMP, RELEASED & WAIT
2:20	-		7.5	-	100, SET & PAUSE 400
					JOB COMPLETE. THANK YOU!
					MIKE PATTON / DRIVER / SHOW

LB Exploration, Inc  
DST #1 Elgin 3765-3813  
Start Test Date: 2015/01/13  
Final Test Date: 2015/01/14

Hopkins Ranch 30 #2  
Formation: Elgin  
Pool: Wildcat  
Job Number: K214

# Hopkins Ranch 30 #2





JASON MCLEMORE

CELL # 620-617-0527

**General Information**

Company Name	LB Exploration, Inc	Job Number	K214
Contact	Steve Petermann	Representative	Jason McLemore
Well Name	Hopkins Ranch 30 #2	Well Operator	LB Exploration, Inc
Unique Well ID	DST #1 Elgin 3765-3813	Prepared By	Jason McLemore
Surface Location	30-32s-13w-Barber	Qualified By	Steve Petermann
Field	Palmer	Test Unit	6
Well Type	Vertical		

**Test Information**

Test Type	Drill Stem Test	Representative	Jason McLemore
Formation	Elgin	Well Operator	LB Exploration, Inc
Well Fluid Type	01 Oil	Report Date	2015/01/15
Test Purpose (AEUB)	Initial Test	Prepared By	Jason McLemore

Start Test Date	2015/01/13	Start Test Time	21:29:00
Final Test Date	2015/01/14	Final Test Time	02:29:00

**Test Results**

RECOVERED:

1	Drilling Mud
1	TOTAL FLUID



**DIAMOND TESTING**  
P.O. Box 157  
**HOISINGTON, KANSAS 67544**  
(800) 542-7313  
**DRILL-STEM TEST TICKET**  
FILE: hop30dst1

TIME ON: 9:29 PM  
TIME OFF: 2:29 AM

Company LB Exploration, Inc Lease & Well No. Hopkins Ranch 30 #2  
Contractor Ninnescah 101 Charge to LB Exploration, Inc  
Elevation GL 1856 Formation Elgin Effective Pay \_\_\_\_\_ Ft. Ticket No. K214  
Date 1-13-15 Sec. 30 Twp. 32 S Range 13 W County Barber State KANSAS  
Test Approved By Steve Petermann Diamond Representative Jason McLemore

Formation Test No. 1 Interval Tested from 3765 ft. to 3813 ft. Total Depth 3813 ft.  
Packer Depth 3760 ft. Size 6 3/4 in. Packer depth \_\_\_\_\_ ft. Size 6 3/4 in.  
Packer Depth 3765 ft. Size 6 3/4 in. Packer depth \_\_\_\_\_ ft. Size 6 3/4 in.

Depth of Selective Zone Set \_\_\_\_\_

Top Recorder Depth (Inside) 3753 ft. Recorder Number 5513 Cap. 5000 P.S.I.  
Bottom Recorder Depth (Outside) 3754 ft. Recorder Number 5588 Cap. 5000 P.S.I.  
Below Straddle Recorder Depth \_\_\_\_\_ ft. Recorder Number \_\_\_\_\_ Cap. \_\_\_\_\_ P.S.I.

Mud Type Chemical Viscosity 54 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 5000 P.P.M. Drill Pipe Length 3740 ft. I.D. 3 1/2 in.  
Jars: Make STERLING Serial Number NA Test Tool Length 25 ft. Tool Size 3 1/2-IF in.  
Did Well Flow? No Reversed Out No Anchor Length 48 ft. Size 4 1/2-FH in.  
Main Hole Size 7 7/8 Tool Joint Size 4 1/2 XH in. 31' DP in Anchor Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: Weak Blow, Built to 1/8", Died Back to Surface, No Blowback  
2nd Open: Dead, Pull Tool

Recovered <u>1</u> ft. of <u>Drilling Mud</u>	
Recovered <u>1</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
	Total

Time Set Packer(s) 11:39 PM A.M. P.M. Time Started Off Bottom 12:29 AM A.M. P.M. Maximum Temperature 107

Initial Hydrostatic Pressure..... (A) 1921 P.S.I.  
Initial Flow Period..... Minutes 15 (B) 8 P.S.I. to (C) 11 P.S.I.  
Initial Closed In Period..... Minutes 30 (D) 20 P.S.I.  
Final Flow Period..... Minutes 5 (E) 9 P.S.I. to (F) 6 P.S.I.  
Final Closed In Period..... Minutes -- (G) -- P.S.I.  
Final Hydrostatic Pressure..... (H) 1861 P.S.I.

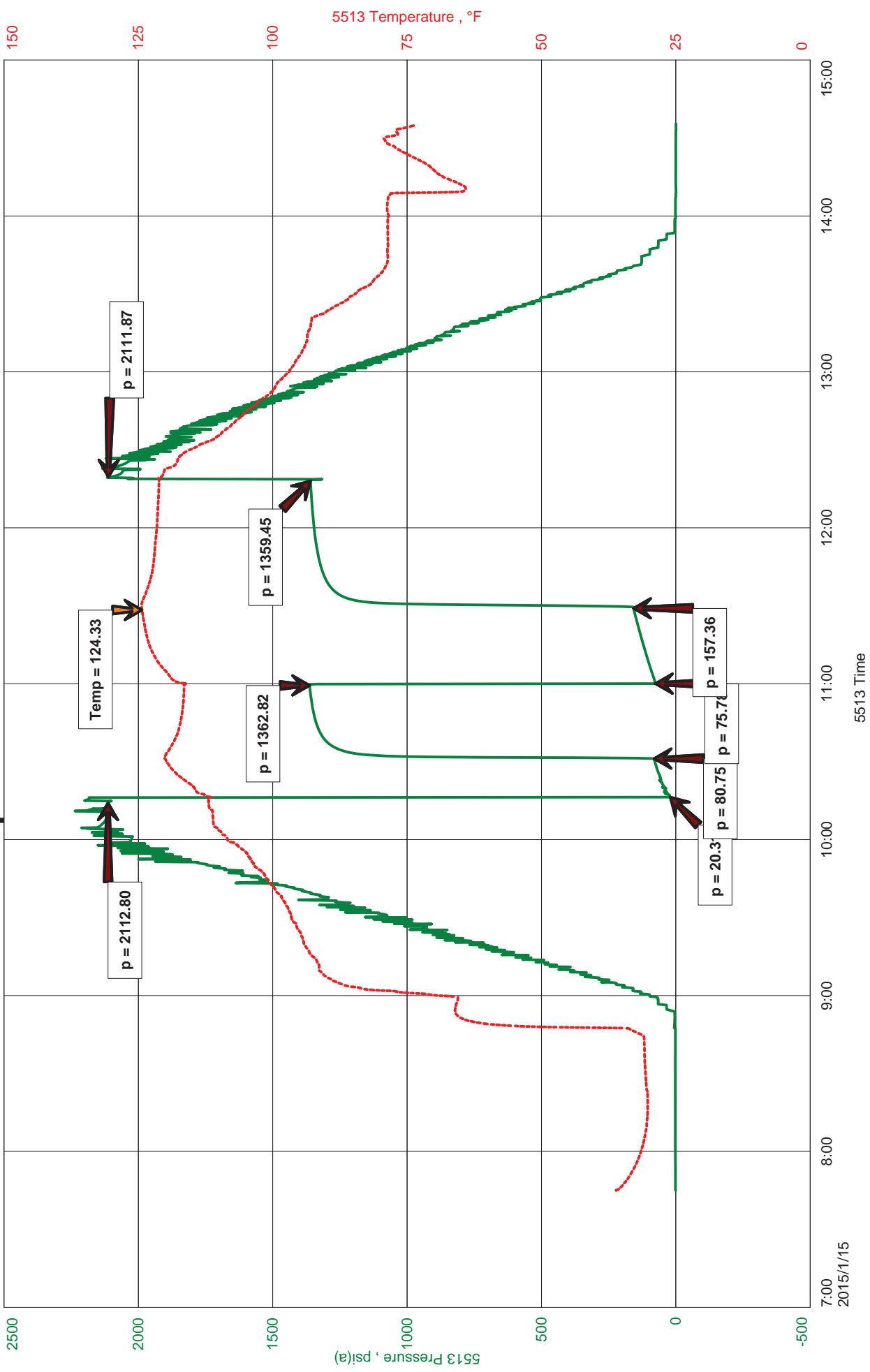
Diamond Testing shall not be liable for damages of any kind to the property or personnel of the one for whom a test is made or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statement or opinion concerning the result of any test. Tools lost or damaged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



LB Exploration, Inc  
DST #2 Drum 4293-4325  
Start Test Date: 2015/01/15  
Final Test Date: 2015/01/15

Hopkins Ranch 30 #2  
Formation: Drum  
Job Number: K215

# Hopkins Ranch 30 #2





**JASON MCLEMORE**

**CELL # 620-617-0527**

**General Information**

<b>Company Name</b>	LB Exploration, Inc	<b>Job Number</b>	K215
<b>Contact</b>	Steve Petermann	<b>Representative</b>	Jason McLemore
<b>Well Name</b>	Hopkins Ranch 30 #2	<b>Well Operator</b>	LB Exploration, Inc
<b>Unique Well ID</b>	DST #2 Drum 4293-4325	<b>Prepared By</b>	Jason McLemore
<b>Surface Location</b>	30-32s-13w-Barber	<b>Qualified By</b>	Streve Petermann
<b>Field</b>	Palmer	<b>Test Unit</b>	6
<b>Well Type</b>	Vertical		

**Test Information**

<b>Test Type</b>	Drill Stem Test	<b>Representative</b>	Jason McLemore
<b>Formation</b>	Drum	<b>Well Operator</b>	LB Exploration, Inc
<b>Well Fluid Type</b>	01 Oil	<b>Report Date</b>	2015/01/15
<b>Test Purpose (AEUB)</b>	Initial Test	<b>Prepared By</b>	Jason McLemore
<b>Start Test Date</b>	2015/01/15	<b>Start Test Time</b>	07:45:00
<b>Final Test Date</b>	2015/01/15	<b>Final Test Time</b>	14:41:00

**Test Results**

**RECOVERED:**

250 Muddy Water, 90% Water, 10% Mud  
250 TOTAL FLUID

**CHLORIDES: 118,000**  
**PH: 6**



**DIAMOND TESTING**  
P.O. Box 157  
**HOISINGTON, KANSAS 67544**  
(800) 542-7313  
**DRILL-STEM TEST TICKET**  
FILE: hop30dst2

TIME ON: 7:45 AM  
TIME OFF: 2:41 PM

Company LB Exploration, Inc Lease & Well No. Hopkins Ranch 30 #2  
Contractor Ninnescah 101 Charge to LB Exploration, Inc  
Elevation GL 1856 Formation \_\_\_\_\_ Drum Effective Pay \_\_\_\_\_ Ft. Ticket No. K215  
Date 1-15-15 Sec. 30 Twp. \_\_\_\_\_ 32 S Range \_\_\_\_\_ 13 W County \_\_\_\_\_ Barber State KANSAS  
Test Approved By Steve Petermann Diamond Representative Jason McLemore

Formation Test No. 2 Interval Tested from 4293 ft. to 4325 ft. Total Depth 4325 ft.  
Packer Depth 4288 ft. Size 6 3/4 in. Packer depth \_\_\_\_\_ ft. Size 6 3/4 in.  
Packer Depth 4293 ft. Size 6 3/4 in. Packer depth \_\_\_\_\_ ft. Size 6 3/4 in.

Depth of Selective Zone Set

Top Recorder Depth (Inside) 4281 ft. Recorder Number \_\_\_\_\_ Cap. 5513 P.S.I. 5000  
Bottom Recorder Depth (Outside) 4282 ft. Recorder Number \_\_\_\_\_ Cap. 5588 P.S.I. 5000  
Below Straddle Recorder Depth \_\_\_\_\_ ft. Recorder Number \_\_\_\_\_ Cap. \_\_\_\_\_ P.S.I.

Mud Type Chemical Viscosity 47 Drill Collar Length \_\_\_\_\_ ft. I.D. 2 1/4 in.  
Weight 9.2 Water Loss 8.0 cc. Weight Pipe Length \_\_\_\_\_ ft. I.D. 2 7/8 in.  
Chlorides 4000 P.P.M. Drill Pipe Length 4268 ft. I.D. 3 1/2 in.  
Jars: Make STERLING Serial Number NA Test Tool Length 25 ft. Tool Size 3 1/2-IF in.  
Did Well Flow? No Reversed Out No Anchor Length 32 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: Good Blow, BOB in 11 Min., No Blowback  
2nd Open: Good Blow, BOB in 16 Min., No Blowback

Recovered <u>250</u> ft. of <u>Muddy Water, 90% Water, 10% Mud</u>	
Recovered <u>250</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
	Total

Time Set Packer(s) 10:21 AM A.M. P.M. Time Started Off Bottom 12:21 PM A.M. P.M. Maximum Temperature 124

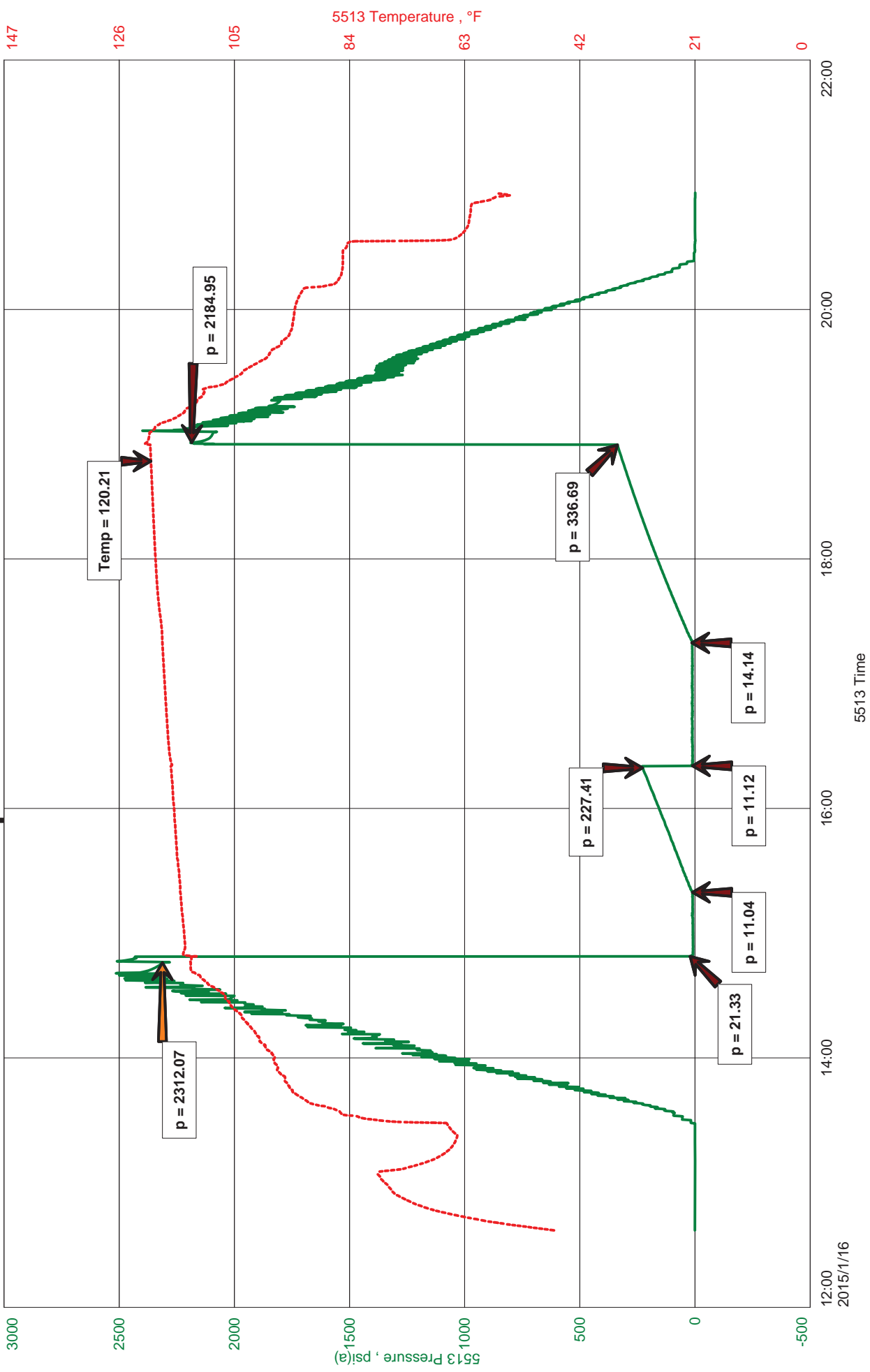
Initial Hydrostatic Pressure..... (A) 2113 P.S.I.  
Initial Flow Period..... Minutes 15 (B) 20 P.S.I. to (C) 81 P.S.I.  
Initial Closed In Period..... Minutes 30 (D) 1363 P.S.I.  
Final Flow Period..... Minutes 30 (E) 76 P.S.I. to (F) 157 P.S.I.  
Final Closed In Period..... Minutes 45 (G) 1359 P.S.I.  
Final Hydrostatic Pressure..... (H) 2112 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.

LB Exploration, Inc  
DST #3 Marmaton 4497-4560  
Start Test Date: 2015/01/16  
Final Test Date: 2015/01/16

Hopkins Ranch 30 #2  
Formation: Marmaton  
Pool: Wildcat  
Job Number: K216

# Hopkins Ranch 30 #2





**JASON MCLEMORE**

**CELL # 620-617-0527**

**General Information**

<b>Company Name</b>	LB Exploration, Inc	<b>Job Number</b>	K216
<b>Contact</b>	Steve Petermann	<b>Representative</b>	Jason McLemore
<b>Well Name</b>	Hopkins Ranch 30 #2	<b>Well Operator</b>	LB Exploration, Inc
<b>Unique Well ID</b>	DST #3 Marmaton 4497-4560	<b>Prepared By</b>	Jason McLemore
<b>Surface Location</b>	30-32s-13w-Barber	<b>Qualified By</b>	Steve Petermann
<b>Field</b>	Barber	<b>Test Unit</b>	6
<b>Well Type</b>	Vertical		

**Test Information**

<b>Test Type</b>	Drill Stem Test	<b>Representative</b>	Jason McLemore
<b>Formation</b>	Marmaton	<b>Well Operator</b>	LB Exploration, Inc
<b>Well Fluid Type</b>	01 Oil	<b>Report Date</b>	2015/01/16
<b>Test Purpose (AEUB)</b>	Initial Test	<b>Prepared By</b>	Jason McLemore

<b>Start Test Date</b>	2015/01/16	<b>Start Test Time</b>	12:37:00
<b>Final Test Date</b>	2015/01/16	<b>Final Test Time</b>	20:57:00

**Test Results**

**RECOVERED:**

15	Drilling Mud
15	TOTAL FLUID

720' Gas In Pipe



**DIAMOND TESTING**  
P.O. Box 157  
**HOISINGTON, KANSAS 67544**  
(800) 542-7313  
**DRILL-STEM TEST TICKET**  
FILE: hop30dst3

TIME ON: 12:37 PM  
TIME OFF: 8:57 PM

Company LB Exploration, Inc Lease & Well No. Hopkins Ranch 30 #2  
Contractor Ninnescah 101 Charge to LB Exploration, Inc  
Elevation GL 1856 Formation Marmaton Effective Pay \_\_\_\_\_ Ft. Ticket No. K216  
Date 1-16-15 Sec. 30 Twp. 32 S Range 13 W County Barber State KANSAS  
Test Approved By Steve Petermann Diamond Representative Jason McLemore

Formation Test No. 3 Interval Tested from 4497 ft. to 4560 ft. Total Depth 4560 ft.  
Packer Depth 4492 ft. Size 6 3/4 in. Packer depth \_\_\_\_\_ ft. Size 6 3/4 in.  
Packer Depth 4497 ft. Size 6 3/4 in. Packer depth \_\_\_\_\_ ft. Size 6 3/4 in.

Depth of Selective Zone Set \_\_\_\_\_  
Top Recorder Depth (Inside) 4485 ft. Recorder Number 5513 Cap. 5000 P.S.I.  
Bottom Recorder Depth (Outside) 4486 ft. Recorder Number 5588 Cap. 5000 P.S.I.  
Below Straddle Recorder Depth \_\_\_\_\_ ft. Recorder Number \_\_\_\_\_ Cap. \_\_\_\_\_ P.S.I.

Mud Type Chemical Viscosity 55 Drill Collar Length 0 ft. I.D. 2 1/4 in.  
Weight 9.4 Water Loss 12.8 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.  
Chlorides 9000 P.P.M. Drill Pipe Length 4472 ft. I.D. 3 1/2 in.  
Jars: Make STERLING Serial Number NA Test Tool Length 25 ft. Tool Size 3 1/2-IF in.  
Did Well Flow? No Reversed Out No Anchor Length 63 ft. Size 4 1/2-FH in.  
Main Hole Size 7 7/8 Tool Joint Size 4 1/2 XH in. 31'DP in Anchor Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: Blow With Plugging Action, BOB in 29 Min., No Blowback  
2nd Open: Blow With Plugging Action, BOB in 16 Min., No Blowback

Recovered 15 ft. of Drilling Mud  
Recovered 15 ft. of TOTAL FLUID  
Recovered \_\_\_\_\_ ft. of \_\_\_\_\_  
Recovered \_\_\_\_\_ ft. of 720' Gas In Pipe

Recovered _____ ft. of _____	Price Job
Recovered _____ ft. of _____	Other Charges
Remarks: _____	Insurance
_____	Total

Time Set Packer(s) 2:52 PM A.M. P.M. Time Started Off Bottom 6:52 PM A.M. P.M. Maximum Temperature 120

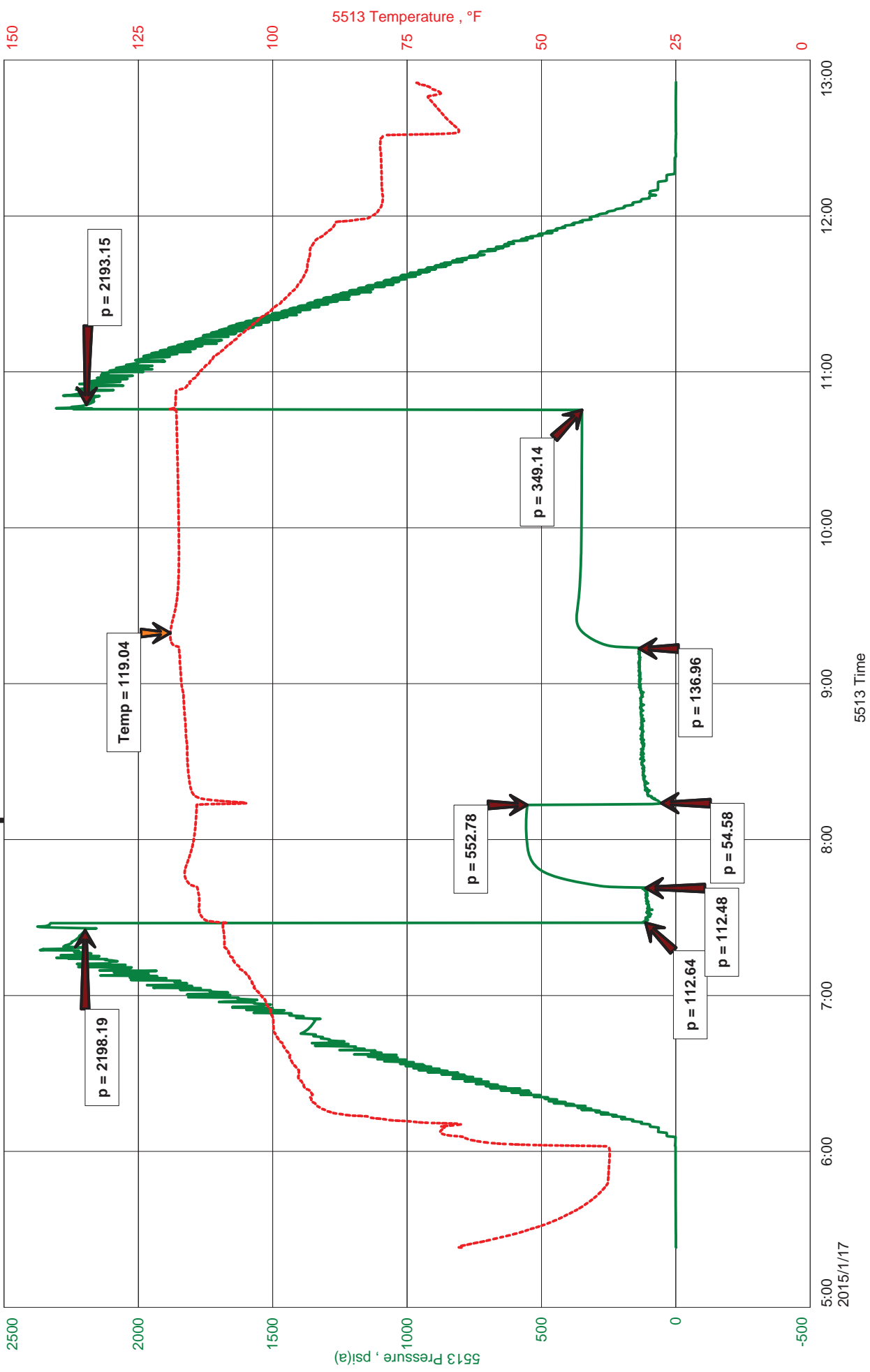
Initial Hydrostatic Pressure..... (A) 2312 P.S.I.  
Initial Flow Period..... Minutes 30 (B) 21 P.S.I. to (C) 11 P.S.I.  
Initial Closed In Period..... Minutes 60 (D) 227 P.S.I.  
Final Flow Period..... Minutes 60 (E) 11 P.S.I. to (F) 14 P.S.I.  
Final Closed In Period..... Minutes 90 (G) 337 P.S.I.  
Final Hydrostatic Pressure..... (H) 2185 P.S.I.

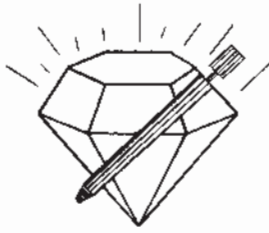
Diamond Testing shall not be liable for damages of any kind to the property or personnel of the one for whom a test is made or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statement or opinion concerning the result of any test. Tools lost or damaged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

LB Exploration, Inc  
DSt #4 Mississippi 4560-4605  
Start Test Date: 2015/01/17  
Final Test Date: 2015/01/17

Hopkins Ranch 30 #2  
Formation: Mississippi  
Pool: Wildcat  
Job Number: K217

# Hopkins Ranch 30 #2





**DIAMOND TESTING**  
 P. O. Box 157  
**HOISINGTON, KANSAS 67544**  
 (316) 653-7550  
**GAS VOLUME REPORT**

Company LB Exploration, Inc Lease & Well No. Hopkins Ranch 30 #2  
 Date 1-17-15 Sec. 30 Twp. 32S Rge. 13W Location \_\_\_\_\_ County Barber State KS  
 Drilling Contractor Ninnescah #101 Formation Mississippi DST No. 4  
 Remarks: Sample Taken on 1st Shut In Before Blowing Down Blow.

**INITIAL FLOW**

Time O'Clock	Orifice Size	Gauge	CF/D
5	.75 in.	10 PSI in.	259,000
10	.75 in.	16 PSI in.	344,000
15	.75 in.	18 PSI in.	370,000
	in.	in.	
	in.	in.	
	in.	in.	
	in.	in.	
	in.	in.	
	in.	in.	
	in.	in.	

**FINAL FLOW IW**

Time O'Clock	Orifice Size	Gauge	CF/D
10	.75 in.	18 in.	370,000
20	.75 in.	20 in.	398,000
30	.75 in.	20 in.	398,000
40	.75 in.	20 in.	398,000
50	.75 in.	20 in.	398,000
60	.75 in.	20 in.	398,000
	in.	in.	
	in.	in.	
	in.	in.	
	in.	in.	

FINAL FLOW





**JASON MCLEMORE**

**CELL # 620-617-0527**

**General Information**

<b>Company Name</b>	LB Exploration, Inc	<b>Job Number</b>	K217
<b>Contact</b>	Steve Petermann	<b>Representative</b>	Jason Mclemore
<b>Well Name</b>	Hopkins Ranch 30 #2	<b>Well Operator</b>	LB Exploration, Inc
<b>Unique Well ID</b>	DSt #4 Mississippi 4560-4605	<b>Prepared By</b>	Jason McLemore
<b>Surface Location</b>	30-32s-13w-Barber	<b>Qualified By</b>	Steve Petermann
<b>Field</b>	Palmer	<b>Test Unit</b>	6
<b>Well Type</b>	Vertical		

**Test Information**

<b>Test Type</b>	Drill Stem Test	<b>Representative</b>	Jason Mclemore
<b>Formation</b>	Mississippi	<b>Well Operator</b>	LB Exploration, Inc
<b>Well Fluid Type</b>	01 Oil	<b>Report Date</b>	2015/01/17
<b>Test Purpose (AEUB)</b>	Initial Test	<b>Prepared By</b>	Jason McLemore

<b>Start Test Date</b>	2015/01/17	<b>Start Test Time</b>	05:23:00
<b>Final Test Date</b>	2015/01/17	<b>Final Test Time</b>	12:52:00

**Test Results**

**RECOVERED:**

165	Drilling Mud
165	TOTAL FLUID



**DIAMOND TESTING**  
P.O. Box 157  
**HOISINGTON, KANSAS 67544**  
(800) 542-7313  
**DRILL-STEM TEST TICKET**  
FILE: hop30dst4

TIME ON: 5:23 AM  
TIME OFF: 12:52 PM

Company LB Exploration, Inc Lease & Well No. Hopkins Ranch 30 #2  
Contractor Ninnescah 101 Charge to LB Exploration, Inc  
Elevation GL 1856 Formation Mississippi Effective Pay \_\_\_\_\_ Ft. Ticket No. K217  
Date 1-17-15 Sec. 30 Twp. 32 S Range 13 W County Barber State KANSAS  
Test Approved By Steve Petermann Diamond Representative Jason McLemore

Formation Test No. 4 Interval Tested from 4560 ft. to 4605 ft. Total Depth 4605 ft.  
Packer Depth 4555 ft. Size 6 3/4 in. Packer depth \_\_\_\_\_ ft. Size 6 3/4 in.  
Packer Depth 4560 ft. Size 6 3/4 in. Packer depth \_\_\_\_\_ ft. Size 6 3/4 in.

Depth of Selective Zone Set \_\_\_\_\_

Top Recorder Depth (Inside) 4548 ft. Recorder Number 5513 Cap. 5000 P.S.I.  
Bottom Recorder Depth (Outside) 4549 ft. Recorder Number 5588 Cap. 5000 P.S.I.  
Below Straddle Recorder Depth \_\_\_\_\_ ft. Recorder Number \_\_\_\_\_ Cap. \_\_\_\_\_ P.S.I.

Mud Type Chemical Viscosity 48 Drill Collar Length 0 ft. I.D. 2 1/4 in.  
Weight 9.2 Water Loss 10.2 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.  
Chlorides 6800 P.P.M. Drill Pipe Length 4535 ft. I.D. 3 1/2 in.  
Jars: Make STERLING Serial Number NA Test Tool Length 25 ft. Tool Size 3 1/2-IF in.  
Did Well Flow? No Reversed Out No Anchor Length 45 ft. Size 4 1/2-FH in.  
Main Hole Size 7 7/8 Tool Joint Size 4 1/2 XH in. 31'DP in Anchor Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: Strong, BOB in 40 Sec., Gas To Surface in 8 Min., Gaging Gas., No Blowback  
2nd Open: Gaging Gas, No Blowback

Recovered 165 ft. of Drilling Mud  
Recovered 165 ft. of TOTAL FLUID  
Recovered \_\_\_\_\_ ft. of \_\_\_\_\_  
Recovered \_\_\_\_\_ ft. of \_\_\_\_\_

Recovered _____ ft. of _____	Price Job
Recovered _____ ft. of _____	Other Charges
Remarks: _____	Insurance
_____	Total

Time Set Packer(s) 7:32 AM A.M. P.M. Time Started Off Bottom 10:47 AM A.M. P.M. Maximum Temperature 119

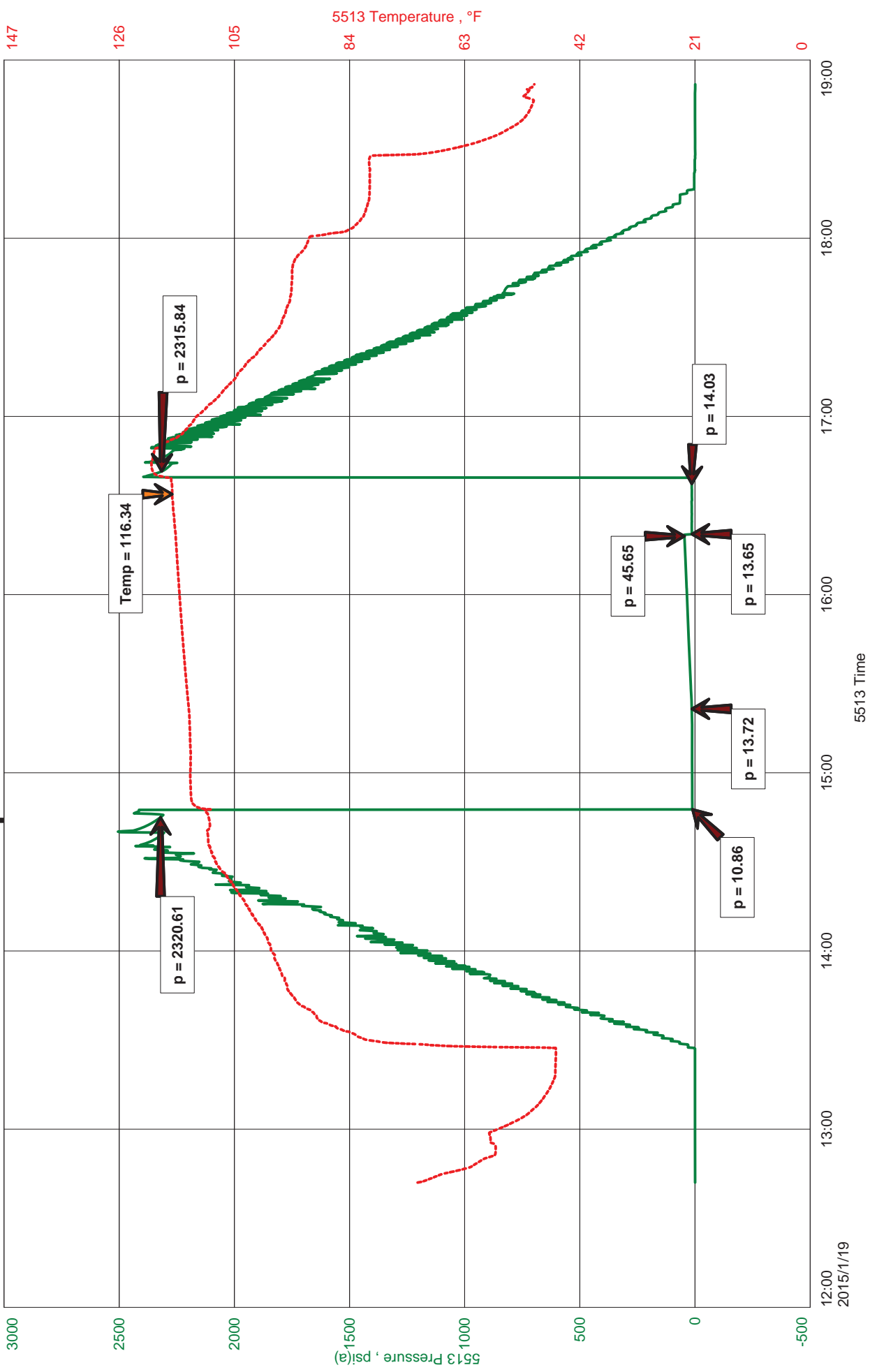
Initial Hydrostatic Pressure..... (A) 2198 P.S.I.  
Initial Flow Period..... Minutes 15 (B) 113 P.S.I. to (C) 112 P.S.I.  
Initial Closed In Period..... Minutes 30 (D) 553 P.S.I.  
Final Flow Period..... Minutes 60 (E) 55 P.S.I. to (F) 137 P.S.I.  
Final Closed In Period..... Minutes 90 (G) 349 P.S.I.  
Final Hydrostatic Pressure..... (H) 2193 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.

LB Exploration, Inc  
DST #5 Kinder-Viola 4807-4913  
Start Test Date: 2015/01/19  
Final Test Date: 2015/01/19

Hopkins Ranch 30 #2  
Formation: Kinderhook-Viola  
Pool: Wildcat  
Job Number: K218

# Hopkins Ranch 30 #2





**JASON MCLEMORE**

**CELL # 620-617-0527**

**General Information**

<b>Company Name</b>	LB Exploration, Inc	<b>Job Number</b>	K218
<b>Contact</b>	Steve Petermann	<b>Representative</b>	Jason McLemore
<b>Well Name</b>	Hopkins Ranch 30 #2	<b>Well Operator</b>	LB Exploration, Inc
<b>Unique Well ID</b>	DST #5 Kinder-Viola 4807-4913	<b>Prepared By</b>	Jason McLemore
<b>Surface Location</b>	30-32s-13w-Barber	<b>Qualified By</b>	Steve Petermann
<b>Field</b>	Palmer	<b>Test Unit</b>	6
<b>Well Type</b>	Vertical		

**Test Information**

<b>Test Type</b>	Drill Stem Test	<b>Representative</b>	Jason McLemore
<b>Formation</b>	Kinderhook-Viola	<b>Well Operator</b>	LB Exploration, Inc
<b>Well Fluid Type</b>	01 Oil	<b>Report Date</b>	2015/01/19
<b>Test Purpose (AEUB)</b>	Initial Test	<b>Prepared By</b>	Jason McLemore

<b>Start Test Date</b>	2015/01/19	<b>Start Test Time</b>	12:42:00
<b>Final Test Date</b>	2015/01/19	<b>Final Test Time</b>	06:53:00

**Test Results**

RECOVERED:

5	Drilling Mud
5	TOTAL FLUID



**DIAMOND TESTING**  
P.O. Box 157  
**HOISINGTON, KANSAS 67544**  
(800) 542-7313  
**DRILL-STEM TEST TICKET**  
FILE: hop30dst4

TIME ON: 12:42 AM  
TIME OFF: 6:53 AM

Company LB Exploration, Inc Lease & Well No. Hopkins Ranch 30 #2  
Contractor Ninnescah 101 Charge to LB Exploration, Inc  
Elevation GL 1856 Formation Kinderhook-Viola Effective Pay \_\_\_\_\_ Ft. Ticket No. K218  
Date 1-19-15 Sec. 30 Twp. \_\_\_\_\_ 32 S Range \_\_\_\_\_ 13 W County \_\_\_\_\_ Barber State KANSAS  
Test Approved By Steve Petermann Diamond Representative Jason McLemore

Formation Test No. 5 Interval Tested from 4807 ft. to 4913 ft. Total Depth 4913 ft.  
Packer Depth 4802 ft. Size 6 3/4 in. Packer depth \_\_\_\_\_ ft. Size 6 3/4 in.  
Packer Depth 4807 ft. Size 6 3/4 in. Packer depth \_\_\_\_\_ ft. Size 6 3/4 in.

Depth of Selective Zone Set \_\_\_\_\_  
Top Recorder Depth (Inside) 4795 ft. Recorder Number 5513 Cap. 5000 P.S.I.  
Bottom Recorder Depth (Outside) 4796 ft. Recorder Number 5588 Cap. 5000 P.S.I.  
Below Straddle Recorder Depth \_\_\_\_\_ ft. Recorder Number \_\_\_\_\_ Cap. \_\_\_\_\_ P.S.I.

Mud Type Chemical Viscosity 66 Drill Collar Length 0 ft. I.D. 2 1/4 in.  
Weight 9.1 Water Loss 10.8 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.  
Chlorides 6000 P.P.M. Drill Pipe Length 4782 ft. I.D. 3 1/2 in.  
Jars: Make STERLING Serial Number NA Test Tool Length 25 ft. Tool Size 3 1/2-IF in.  
Did Well Flow? No Reversed Out No Anchor Length 106 ft. Size 4 1/2-FH in.  
Main Hole Size 7 7/8 Tool Joint Size 4 1/2 XH in. 93'DP in Anchor Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: Weak Blow, Died in 15 Min., No Blowback  
2nd Open: Dead, Pull Tool

Recovered <u>5</u> ft. of <u>Drilling Mud</u>	
Recovered <u>5</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
_____	Total

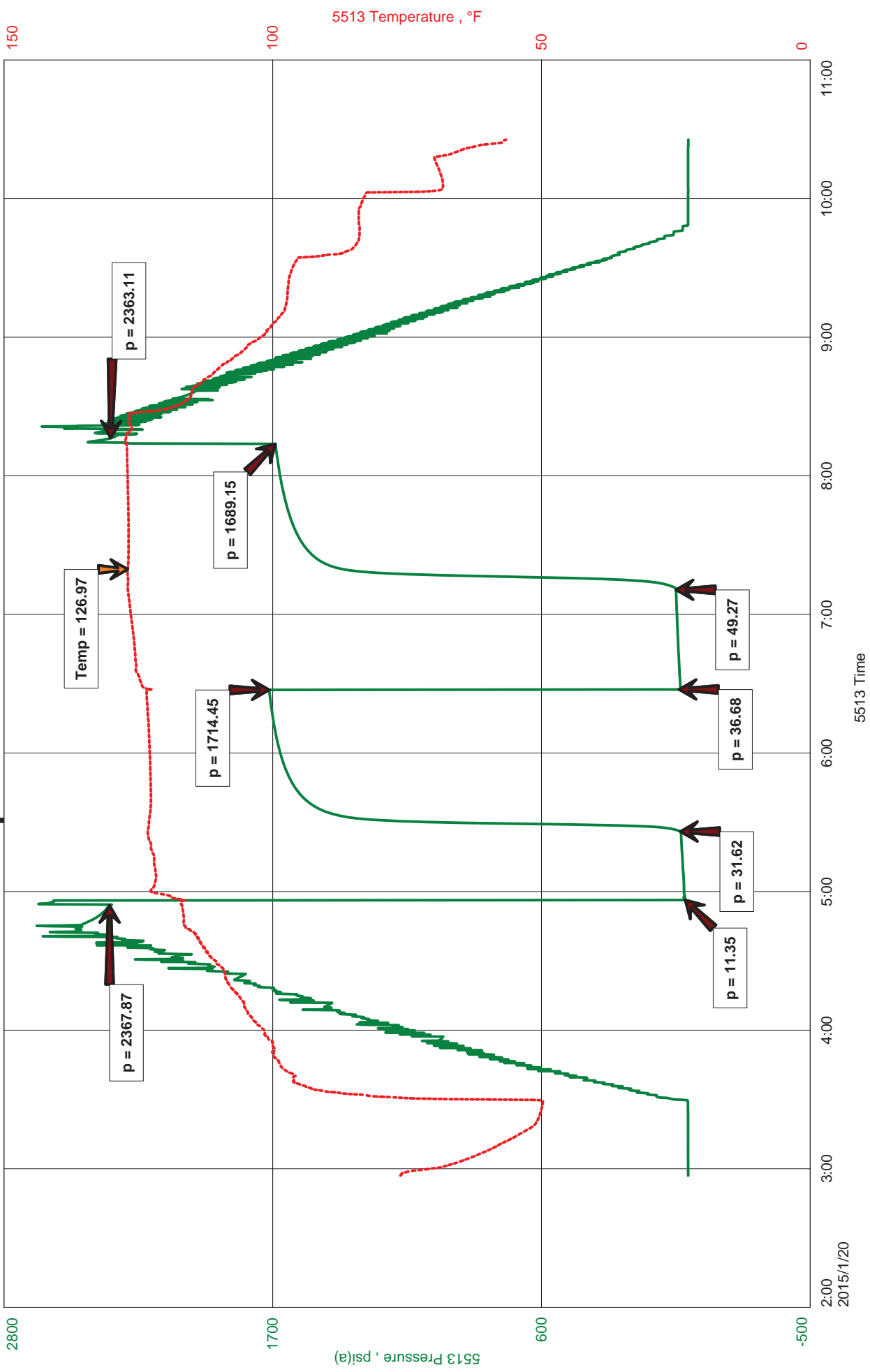
Time Set Packer(s) 2:50 AM A.M. P.M. Time Started Off Bottom 4:35 AM A.M. P.M. Maximum Temperature 116  
Initial Hydrostatic Pressure..... (A) 2321 P.S.I.  
Initial Flow Period..... Minutes 30 (B) 11 P.S.I. to (C) 14 P.S.I.  
Initial Closed In Period..... Minutes 60 (D) 46 P.S.I.  
Final Flow Period..... Minutes 15 (E) 14 P.S.I. to (F) 14 P.S.I.  
Final Closed In Period..... Minutes --- (G) --- P.S.I.  
Final Hydrostatic Pressure..... (H) 2316 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.

LB Exploration, Inc  
DST #6 Simpson 5018-5053  
Start Test Date: 2015/01/20  
Final Test Date: 2015/01/20

Hopkins Ranch 30 #2  
Formation: Simpson Sand  
Pool: Wildcat  
Job Number: K219

# Hopkins Ranch 30 #2





**JASON MCLEMORE**

**CELL # 620-617-0527**

**General Information**

<b>Company Name</b>	LB Exploration, Inc	<b>Job Number</b>	K219
<b>Contact</b>	Steve Petermann	<b>Representative</b>	Jason McLemore
<b>Well Name</b>	Hopkins Ranch 30 #2	<b>Well Operator</b>	LB Exploration, Inc
<b>Unique Well ID</b>	DST #6 Simpson 5018-5053	<b>Prepared By</b>	Jason McLemore
<b>Surface Location</b>	30-32s-13w-Barber	<b>Qualified By</b>	Steve Petermann
<b>Field</b>	Palmer	<b>Test Unit</b>	6
<b>Well Type</b>	Vertical		

**Test Information**

<b>Test Type</b>	Drill Stem Test	<b>Representative</b>	Jason McLemore
<b>Formation</b>	Simpson Sand	<b>Well Operator</b>	LB Exploration, Inc
<b>Well Fluid Type</b>	01 Oil	<b>Report Date</b>	2015/01/20
<b>Test Purpose (AEUB)</b>	Initial Test	<b>Prepared By</b>	Jason McLemore

<b>Start Test Date</b>	2015/01/20	<b>Start Test Time</b>	02:57:00
<b>Final Test Date</b>	2015/01/20	<b>Final Test Time</b>	10:27:00

**Test Results**

**RECOVERED:**

80 Watery Mud, 25% Water, 75% Mud  
80 TOTAL FLUID

**CHLORIDES: 78,000**  
**PH: 7**  
**RW: .100 @ 40**



**DIAMOND TESTING**  
P.O. Box 157  
**HOISINGTON, KANSAS 67544**  
(800) 542-7313  
**DRILL-STEM TEST TICKET**  
FILE: hop30dst6

TIME ON: 2:57 AM  
TIME OFF: 10:27 AM

Company LB Exploration, Inc Lease & Well No. Hopkins Ranch 30 #2  
Contractor Ninnescah 101 Charge to LB Exploration, Inc  
Elevation GL 1856 Formation Simpson Sand Effective Pay \_\_\_\_\_ Ft. Ticket No. K219  
Date 1-20-15 Sec. 30 Twp. 32 S Range 13 W County Barber State KANSAS  
Test Approved By Steve Petermann Diamond Representative Jason McLemore

Formation Test No. 6 Interval Tested from 5018 ft. to 5053 ft. Total Depth 5053 ft.  
Packer Depth 5013 ft. Size 6 3/4 in. Packer depth \_\_\_\_\_ ft. Size 6 3/4 in.  
Packer Depth 5018 ft. Size 6 3/4 in. Packer depth \_\_\_\_\_ ft. Size 6 3/4 in.

Depth of Selective Zone Set \_\_\_\_\_  
Top Recorder Depth (Inside) 5006 ft. Recorder Number 5513 Cap. 5000 P.S.I.  
Bottom Recorder Depth (Outside) 5007 ft. Recorder Number 5588 Cap. 5000 P.S.I.  
Below Straddle Recorder Depth \_\_\_\_\_ ft. Recorder Number \_\_\_\_\_ Cap. \_\_\_\_\_ P.S.I.

Mud Type Chemical Viscosity 72 Drill Collar Length 0 ft. I.D. 2 1/4 in.  
Weight 9.3 Water Loss 12.0 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.  
Chlorides 7400 P.P.M. Drill Pipe Length 4993 ft. I.D. 3 1/2 in.  
Jars: Make STERLING Serial Number NA Test Tool Length 25 ft. Tool Size 3 1/2-IF in.  
Did Well Flow? No Reversed Out No Anchor Length 35 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: Weak Blow, Built to 3 3/4, No Blowback  
2nd Open: No Blow for 28 Min., Built to 1", No Blowback

Recovered 80 ft. of Watery Mud, 25% Water, 75% Mud  
Recovered 80 ft. of TOTAL FLUID  
Recovered \_\_\_\_\_ ft. of \_\_\_\_\_  
Recovered \_\_\_\_\_ ft. of \_\_\_\_\_

Recovered _____ ft. of _____	Price Job
Recovered _____ ft. of _____	Other Charges
Remarks: _____	Insurance
_____	Total

Time Set Packer(s) 4:59 AM A.M. P.M. Time Started Off Bottom 8:14 AM A.M. P.M. Maximum Temperature 127

Initial Hydrostatic Pressure..... (A) 2368 P.S.I.  
Initial Flow Period..... Minutes 30 (B) 11 P.S.I. to (C) 32 P.S.I.  
Initial Closed In Period..... Minutes 60 (D) 1714 P.S.I.  
Final Flow Period..... Minutes 45 (E) 37 P.S.I. to (F) 49 P.S.I.  
Final Closed In Period..... Minutes 60 (G) 1689 P.S.I.  
Final Hydrostatic Pressure..... (H) 2363 P.S.I.

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