



Confidentiality Requested:

Yes  No

KANSAS CORPORATION COMMISSION 1255097  
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: \_\_\_\_\_



1255097

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

<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> <input type="checkbox"/> Other <i>(Specify)</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 31 1
Doc ID	1255097

All Electric Logs Run

Dual Compensated Porosity
Dual Induction
Microresistivity
Borehole Compensated Sonic

Customer <i>LB Exploration Inc</i>	Lease No.	Date <i>1/26/15</i>	
Lease <i>Hopkins Ranch</i>	Well # <i>1-31</i>		
Field Order # <i>12113 A</i>	Station <i>PRATT, KS</i>	Casing <i>1 3/4</i>	Depth <i>221</i>
Type Job <i>1 3/4 Conductor pipe CNW</i>	Formation	County <i>Dickens</i>	State <i>KS</i>
		Legal Description <i>31 32 13</i>	

PIPE DATA		PERFORATING DATA		FLUID USED	TREATMENT RESUME		
Casing Size <i>1 3/4</i>	Tubing Size	Shots/Ft		Acid	RATE	PRESS	ISIP
Depth <i>221</i>	Depth	From	To	Pre Pad	Max		5 Min.
Volume <i>35.811</i>	Volume	From	To	Pad	Min		10 Min.
Max Press <i>5000</i>	Max Press	From	To	Frac	Avg		15 Min.
Well Connection <i>5 5/8</i>	Annulus Vol.	From	To		HHP Used		Annulus Pressure
Plug Depth	Packer Depth	From	To	Flush	Gas Volume		Total Load

Customer Representative <i>Michael Peterson</i>	Station Manager <i>Kevin Gardley</i>	Treater <i>Scott Graves</i>
Service Units <i>38970 27463 19960 19860</i>		
Driver Names <i>Scott Shawn Felix</i>		

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
<i>6:30</i>					<i>On Location Safety Meeting Rgn,</i>
<i>8:45</i>					<i>Circulate on bottom</i>
<i>8:55</i>	<i>0</i>			<i>4</i>	<i>Pump H<sub>2</sub>O Spacer</i>
<i>8:57</i>	<i>0</i>		<i>5</i>	<i>4</i>	<i>Start Mixing 200skts 60140 POZ</i>
<i>8:59</i>	<i>300</i>		<i>5</i>	<i>5.4</i>	<i>Increase Rate</i>
<i>9:04</i>	<i>0</i>		<i>18</i>		<i>Shut down Fix Mixing head</i>
<i>9:12</i>	<i>300</i>		<i>18</i>	<i>5.3</i>	<i>Resume Mixing 60140 POZ</i>
<i>9:15</i>	<i>200</i>		<i>15</i>	<i>5.2</i>	<i>Start Displacement</i>
<i>9:22</i>	<i>150</i>		<i>32</i>		<i>Displacement Complete</i>
	<i>150</i>				<i>Shut down shut in well Head</i>
					<i>Cement Circulated to Surface</i>
					<i>Job Complete</i>

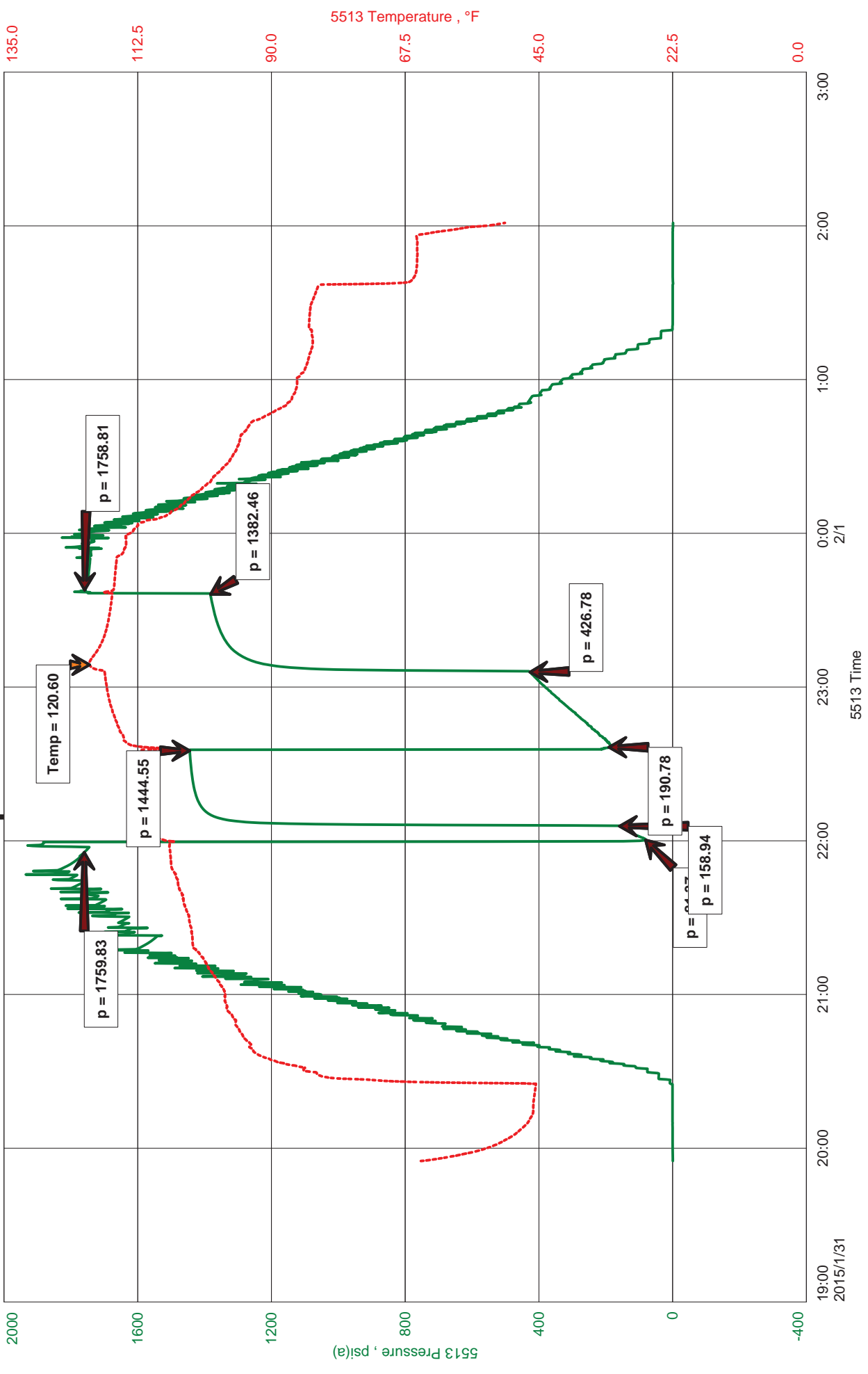
Customer LB EXPLORATION inc	Lease No.	Date 2-9-15
Lease HOPKINS RANCH	Well # 1-31	
Field Order # 11920	Station Pratt	Casing 5 1/2
		Depth 5061
Type Job CNW 5 1/2 Long String	Formation RTD 5307	County BAIB
		State KS
		Legal Description 31-32-13

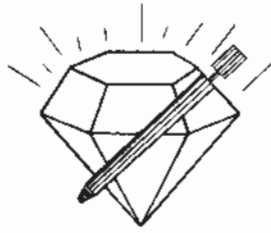
PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size	Tubing Size	Shots/Ft		Acid	RATE	PRESS	ISIP	
5 1/2				275 SKS AA-2	LD			
Depth 5061	Depth	From	To	Pre Pad	Max		5 Min.	
Volume 23.5	Volume	From	To	Pad	Min		10 Min.	
Max Press 1800	Max Press	From	To	Frac	Avg		15 Min.	
Well Connection	Annulus Vol.	From	To		HHP Used		Annulus Pressure	
Plug Depth 5040	Packer Depth	From	To	Flush 123	Gas Volume		Total Load	

Customer Representative Michael PETERMAN	Station Manager Kevin GARDNER	Treater Mike MATTAI
Service Units 37546	8489	19843
Driver Names MATTAI	MARQUEZ	SIBSON

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
11:00					ON LOCATION / SAKELY MEETING
12:40					Run 5 1/2 casing, BASKET on 5400 + #1
					turns on 1, 3, 5, 7, 10, 12, 13, 14, 15, 16
					18, 21, 24, 27, 29, 30, 31
3:20					Casing on BOTTOM
3:30					HOOK to casing / Break circ w. Rig
4:47	350		3	6	Pump 3 BBL water
4:48	350		12	6	Pump 12 BBL mud flush, 3 BBL water
4:51	350		6	6	Mix 25 SKS scavenger
4:52	400		55	6.5	Mix 200 SKS AA-2
5:00			4	3	WASH Pump + Lines, release Plug
5:05	200			6.5	START 270 KCL DISP.
5:17	400		70	6	LIFT Pressure
5:24	1,000		110	3	Slow rate
5:29	1800		123		Plug Down, released + held
5:35			7, 5		PLUG RAT + mouse hole
					Circulation Through JOB
					JOB complete
					THANK YOU!
					MIKE MATTAI
					EPHRAIM + AVON

# Hopkins Ranch 31 #1





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

Company LB Exploration, Inc Lease & Well No. Hopkins Ranch 31 #1  
 Date 1-31-15 Sec. 31 Twp. 32S Rge. 13W Location \_\_\_\_\_ County Barber State KS  
 Drilling Contractor Ninnescah #101 Formation Upper Douglas DST No. 1  
 Remarks: Sample Taken 25 Min. into 2nd Open.

**INITIAL FLOW**

Time O'Clock	Orifice Size	Gauge	CF/D
	in.	in.	
	in.	in.	
	in.	in.	
	in.	in.	
	in.	in.	
	in.	in.	
	in.	in.	
	in.	in.	
	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.	5# in.	175,000
20	.75 in.	2.5# in.	121,000
30	.75 in.	2.5# in.	121,000
	in.	in.	
	in.	in.	
	in.	in.	
	in.	in.	
	in.	in.	
	in.	in.	
	in.	in.	
	in.	in.	
	in.	in.	
	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>	K220
<b>Contact</b>	Steve Petermann	<b>Representative</b>	Jason McLemore
<b>Well Name</b>	Hopkins Ranch 31 #1	<b>Well Operator</b>	LB Exploration, Inc
<b>Unique Well ID</b>	DST #1 Upper Douglas 3815-3864	<b>Prepared By</b>	Jason McLemore
<b>Surface Location</b>	31-31s-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>	Upper Douglas	<b>Well Operator</b>	LB Exploration, Inc
<b>Well Fluid Type</b>	01 Oil	<b>Report Date</b>	2015/02/01
<b>Test Purpose (AEUB)</b>	Initial Test	<b>Prepared By</b>	Jason McLemore

<b>Start Test Date</b>	2015/01/31	<b>Start Test Time</b>	19:55:00
<b>Final Test Date</b>	2015/02/01	<b>Final Test Time</b>	02:05:00

**Test Results**

**RECOVERED:**

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

**CHLORIDES: 118,000**  
**PH: 7**  
**RW: .125 @ 40**





**DIAMOND TESTING**  
P.O. Box 157  
**HOISINGTON, KANSAS 67544**  
(800) 542-7313  
**DRILL-STEM TEST TICKET**  
FILE: hop31dst1

TIME ON: 7:55 PM  
TIME OFF: 2:05 AM

Company LB Exploration, Inc Lease & Well No. Hopkins Ranch 31 #1  
Contractor Ninnescah 101 Charge to LB Exploration, Inc  
Elevation GL 1715 Formation Upper Douglas Effective Pay \_\_\_\_\_ Ft. Ticket No. K220  
Date 1-31-15 Sec. 31 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 3815 ft. to 3864 ft. Total Depth 3864 ft.  
Packer Depth 3810 ft. Size 6 3/4 in. Packer depth \_\_\_\_\_ ft. Size 6 3/4 in.  
Packer Depth 3815 ft. Size 6 3/4 in. Packer depth \_\_\_\_\_ ft. Size 6 3/4 in.

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

Top Recorder Depth (Inside) 3803 ft. Recorder Number 5513 Cap. 5000 P.S.I.  
Bottom Recorder Depth (Outside) 3804 ft. Recorder Number 5588 Cap. 5000 P.S.I.  
Below Straddle Recorder Depth \_\_\_\_\_ ft. Recorder Number \_\_\_\_\_ Cap. \_\_\_\_\_ P.S.I.

Mud Type Chemical Viscosity 51 Drill Collar Length 0 ft. I.D. 2 1/4 in.  
Weight 9.1 Water Loss 8.8 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.  
Chlorides 4000 P.P.M. Drill Pipe Length 3791 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 49 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: BOB in 10 Sec, Gas To Surface On Shut In., Blowback Built to 3"  
2nd Open: Gaging Gas

Recovered 950 ft. of Muddy Water, 90% Water, 10% Mud  
Recovered 950 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) 10:07 PM A.M. P.M. Time Started Off Bottom 11:42 PM A.M. P.M. Maximum Temperature 121

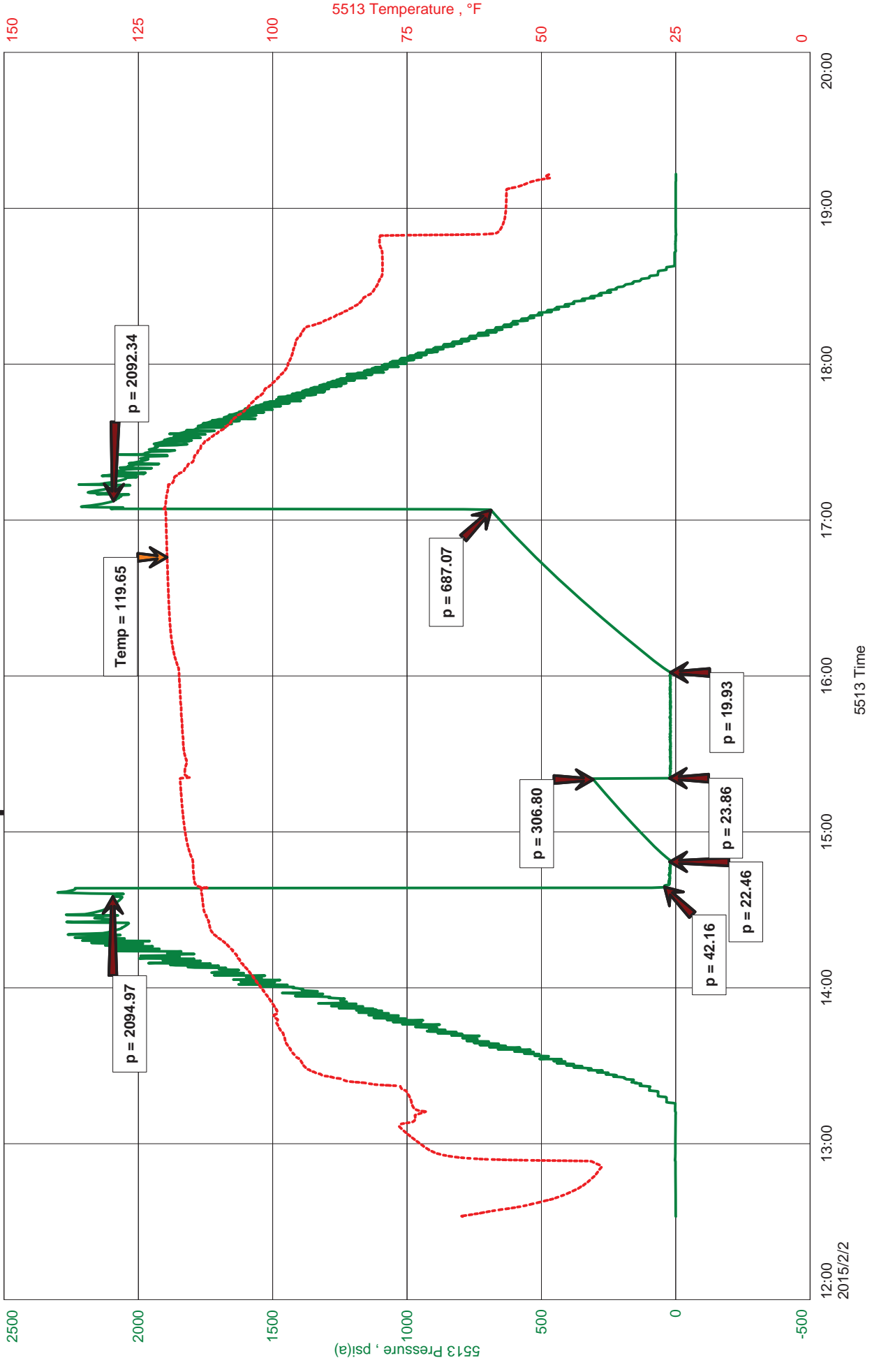
Initial Hydrostatic Pressure..... (A) 1760 P.S.I.  
Initial Flow Period..... Minutes 5 (B) 81 P.S.I. to (C) 159 P.S.I.  
Initial Closed In Period..... Minutes 30 (D) 1445 P.S.I.  
Final Flow Period..... Minutes 30 (E) 191 P.S.I. to (F) 427 P.S.I.  
Final Closed In Period..... Minutes 30 (G) 1382 P.S.I.  
Final Hydrostatic Pressure..... (H) 1759 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 Marm-Cong 4374-4455  
Start Test Date: 2015/02/02  
Final Test Date: 2015/02/02

Hopkins Ranch 31 #1  
Formation: Marmaton-Conglomerate  
Pool: Wildcat  
Job Number: K221

# Hopkins Ranch 31 #1





**JASON MCLEMORE**

**CELL # 620-617-0527**

**General Information**

<b>Company Name</b>	LB Exploration, Inc	<b>Job Number</b>	K221
<b>Contact</b>	Steve Petermann	<b>Representative</b>	Jason McLemore
<b>Well Name</b>	Hopkins Ranch 31 #1	<b>Well Operator</b>	LB Exploration, Inc
<b>Unique Well ID</b>	DST #2 Marm-Cong 4374-4455	<b>Prepared By</b>	Jason McLemore
<b>Surface Location</b>	31-32s-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>	Marmaton-Conglomerate	<b>Well Operator</b>	LB Exploration, Inc
<b>Well Fluid Type</b>	01 Oil	<b>Report Date</b>	2015/02/02
<b>Test Purpose (AEUB)</b>	Initial Test	<b>Prepared By</b>	Jason McLemore

<b>Start Test Date</b>	2015/02/02	<b>Start Test Time</b>	12:32:00
<b>Final Test Date</b>	2015/02/02	<b>Final Test Time</b>	19:14:00

**Test Results**

**RECOVERED:**

20	Drilling Mud
20	TOTAL FLUID

1200' Gas In Pipe



**DIAMOND TESTING**  
P.O. Box 157  
**HOISINGTON, KANSAS 67544**  
(800) 542-7313  
**DRILL-STEM TEST TICKET**  
FILE: hop31dst2

TIME ON: 12:32 PM  
TIME OFF: 7:14 PM

Company LB Exploration, Inc Lease & Well No. Hopkins Ranch 31 #1  
Contractor Ninnescah 101 Charge to LB Exploration, Inc  
Elevation GL 1715 Formation Marm-Cong Effective Pay \_\_\_\_\_ Ft. Ticket No. K221  
Date 2-2-15 Sec. 31 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 4374 ft. to 4455 ft. Total Depth 4455 ft.  
Packer Depth 4369 ft. Size 6 3/4 in. Packer depth \_\_\_\_\_ ft. Size 6 3/4 in.  
Packer Depth 4374 ft. Size 6 3/4 in. Packer depth \_\_\_\_\_ ft. Size 6 3/4 in.

Depth of Selective Zone Set \_\_\_\_\_  
Top Recorder Depth (Inside) 4362 ft. Recorder Number 5513 Cap. 5000 P.S.I.  
Bottom Recorder Depth (Outside) 4363 ft. Recorder Number 5588 Cap. 5000 P.S.I.  
Below Straddle Recorder Depth \_\_\_\_\_ ft. Recorder Number \_\_\_\_\_ Cap. \_\_\_\_\_ P.S.I.

Mud Type Chemical Viscosity 51 Drill Collar Length 0 ft. I.D. 2 1/4 in.  
Weight 9.4 Water Loss 10.4 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.  
Chlorides 6000 P.P.M. Drill Pipe Length 4349 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 81 ft. Size 4 1/2-FH in.  
Main Hole Size 7 7/8 Tool Joint Size 4 1/2 XH in. 63' DP In Anchor Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: BOB in 1 Min., 40 Seconds, Surface Blowback For 10 Min.  
2nd Open: BOB on Open, No Blowback

Recovered <u>20</u> ft. of <u>Drilling Mud</u>	
Recovered <u>20</u> ft. of <u>TOTAL FLUID</u>	
Recovered _____ ft. of <u>1200' Gas In Pipe</u>	
Recovered _____ ft. of _____	
Recovered _____ ft. of _____	Price Job
Recovered _____ ft. of _____	Other Charges
Remarks: _____	Insurance
_____	Total

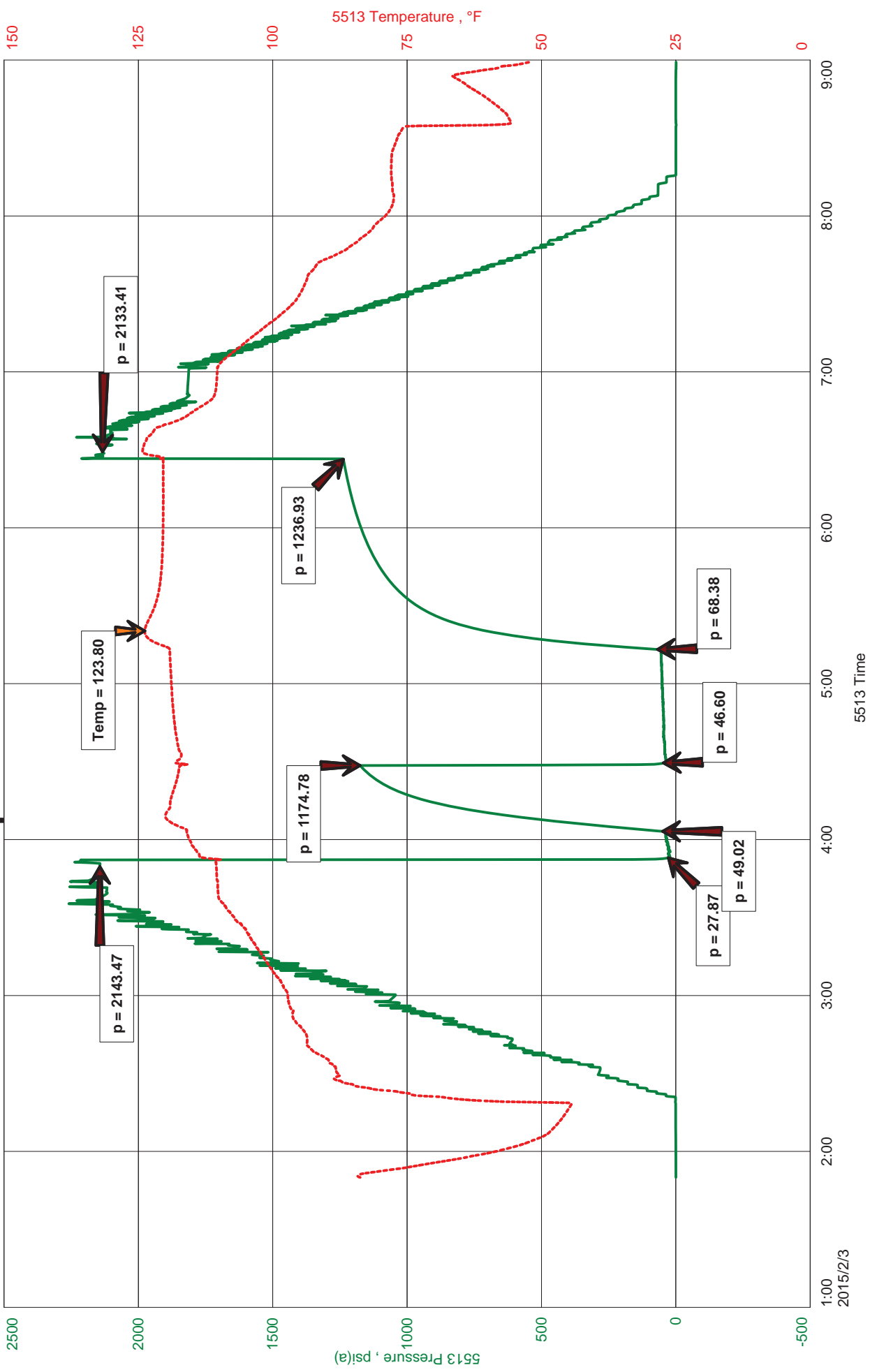
Time Set Packer(s) 2:42 PM A.M. P.M. Time Started Off Bottom 5:02 PM A.M. P.M. Maximum Temperature 120  
Initial Hydrostatic Pressure..... (A) 2095 P.S.I.  
Initial Flow Period..... Minutes 10 (B) 42 P.S.I. to (C) 22 P.S.I.  
Initial Closed In Period..... Minutes 30 (D) 307 P.S.I.  
Final Flow Period..... Minutes 40 (E) 24 P.S.I. to (F) 20 P.S.I.  
Final Closed In Period..... Minutes 60 (G) 687 P.S.I.  
Final Hydrostatic Pressure..... (H) 2092 P.S.I.

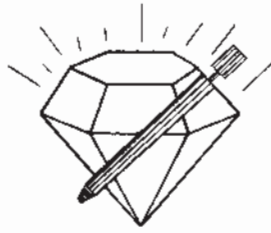
Diamond Testing shall not be liable for damages of any kind to the property or personnel of the one for whom a test is made or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statement or opinion concerning the result of any test. Tools lost or damaged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

LB Exploration, Inc  
DST #3 Mississippi 4456-4472  
Start Test Date: 2015/02/03  
Final Test Date: 2015/02/03

Hopkins Ranch 31 #1  
Formation: Mississippi  
Pool: Wildcat  
Job Number: K222

# Hopkins Ranch 31 #1





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

Company LB Exploration, Inc Lease & Well No. Hopkins Ranch 31 #1  
 Date 2-3-15 Sec. 31 Twp. 32S Rge. 13W Location \_\_\_\_\_ County Barber State KS  
 Drilling Contractor Ninnescah #101 Formation Mississippi DST No. 3  
 Remarks: Sample Taken 20 Min. into 2nd Open.

**INITIAL FLOW**

Time O'Clock	Orifice Size	Gauge	CF/D
	in.	in.	
	in.	in.	
	in.	in.	
	in.	in.	
	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	.5 in.	3.5# in.	64,000
20	.5 in.	3# in.	59,200
30	.5 in.	3# in.	59,200
40	.5 in.	3# in.	59,200
	in.	in.	
	in.	in.	
	in.	in.	
	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>	K222
<b>Contact</b>	Steve Petermann	<b>Representative</b>	Jason McLemore
<b>Well Name</b>	Hopkins Ranch 31 #1	<b>Well Operator</b>	Steve Petermann
<b>Unique Well ID</b>	DST #3 Mississippi 4456-4472	<b>Prepared By</b>	Jason McLemore
<b>Surface Location</b>	31-32s-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>	Steve Petermann
<b>Well Fluid Type</b>	01 Oil	<b>Report Date</b>	2015/02/03
<b>Test Purpose (AEUB)</b>	Initial Test	<b>Prepared By</b>	Jason McLemore

<b>Start Test Date</b>	2015/02/03	<b>Start Test Time</b>	01:50:00
<b>Final Test Date</b>	2015/02/03	<b>Final Test Time</b>	08:58:00

**Test Results**

**RECOVERED:**

80	VSOCM, 1% Oil, 99% Mud
40	OCMW, 20% Oil, 60% Water, 20% Mud
120	TOTAL FLUID



**DIAMOND TESTING**  
P.O. Box 157  
**HOISINGTON, KANSAS 67544**  
(800) 542-7313  
**DRILL-STEM TEST TICKET**  
FILE: hop31dst3

TIME ON: 1:50 AM  
TIME OFF: 8:58 AM

Company LB Exploration, Inc Lease & Well No. Hopkins Ranch 31 #1  
Contractor Ninnescah 101 Charge to LB Exploration, Inc  
Elevation GL 1715 Formation Mississippi Effective Pay \_\_\_\_\_ Ft. Ticket No. K222  
Date 2-3-15 Sec. 31 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 4456 ft. to 4472 ft. Total Depth 4472 ft.  
Packer Depth 4451 ft. Size 6 3/4 in. Packer depth \_\_\_\_\_ ft. Size 6 3/4 in.  
Packer Depth 4456 ft. Size 6 3/4 in. Packer depth \_\_\_\_\_ ft. Size 6 3/4 in.

Depth of Selective Zone Set \_\_\_\_\_  
Top Recorder Depth (Inside) 4444 ft. Recorder Number 5513 Cap. 5000 P.S.I.  
Bottom Recorder Depth (Outside) 4445 ft. Recorder Number 5588 Cap. 5000 P.S.I.  
Below Straddle Recorder Depth \_\_\_\_\_ ft. Recorder Number \_\_\_\_\_ Cap. \_\_\_\_\_ P.S.I.

Mud Type Chemical Viscosity 51 Drill Collar Length 0 ft. I.D. 2 1/4 in.  
Weight 9.4 Water Loss 10.4 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.  
Chlorides 6000 P.P.M. Drill Pipe Length 4431 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 16 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: BOB in 20 Seconds, No Blowback  
2nd Open: BOB on Open, Gas To Surface in 8 Min., Gaging Gas, No Blowback

Recovered 80 ft. of VSOCM, 1% Oil, 99% Mud  
Recovered 40 ft. of OCMW, 20% Oil, 60% Water, 20% Mud  
Recovered 120 ft. of TOTAL FLUID

Recovered _____ ft. of <u>CHLORIDES: 84,000</u>	Price Job
Recovered _____ ft. of <u>PH: 6</u>	Other Charges
Recovered _____ ft. of <u>RW: .130 @ 25</u>	Insurance
Remarks: _____	Total

Time Set Packer(s) 3:55 am A.M. P.M. Time Started Off Bottom 6:20 am A.M. P.M. Maximum Temperature 124

Initial Hydrostatic Pressure..... (A) 2143 P.S.I.  
Initial Flow Period..... Minutes 10 (B) 28 P.S.I. to (C) 49 P.S.I.  
Initial Closed In Period..... Minutes 30 (D) 1175 P.S.I.  
Final Flow Period..... Minutes 45 (E) 47 P.S.I. to (F) 68 P.S.I.  
Final Closed In Period..... Minutes 60 (G) 1237 P.S.I.  
Final Hydrostatic Pressure..... (H) 2133 P.S.I.

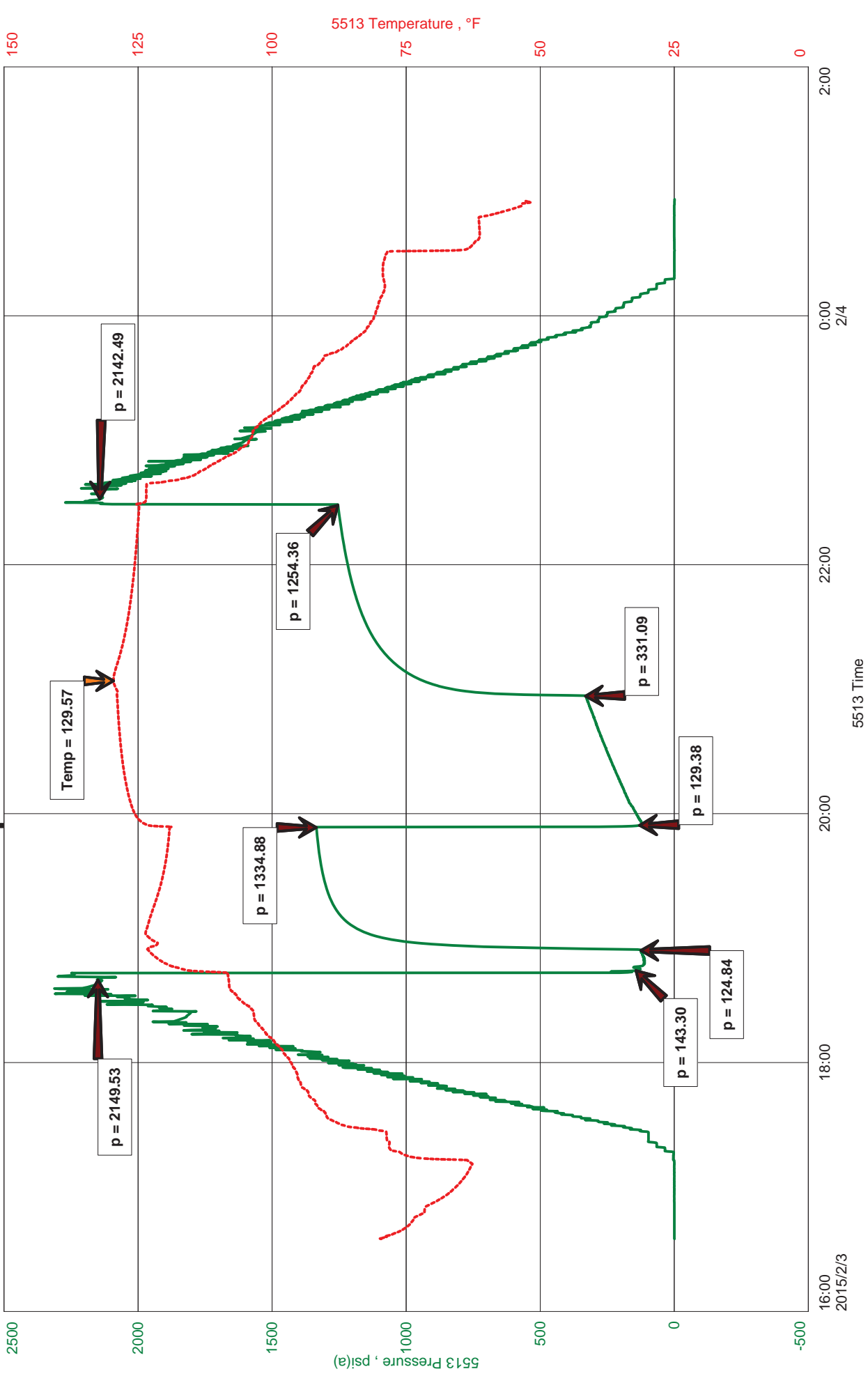
Diamond Testing shall not be liable for damages of any kind to the property or personnel of the one for whom a test is made or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statement or opinion concerning the result of any test. Tools lost or damaged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

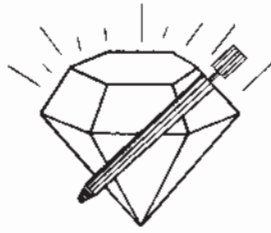


LB Exploration, Inc  
DST #4 Mississippi 4477-4510  
Start Test Date: 2015/02/03  
Final Test Date: 2015/02/04

Hopkins Ranch 31 #1  
Formation: Mississippi  
Job Number: K223

# Hopkins Ranch 31 #1





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

Company LB Exploration, Inc Lease & Well No. Hopkins Ranch 31 #1  
 Date 2-3-15 Sec. 31 Twp. 32S Rge. 13W Location \_\_\_\_\_ County Barber State KS  
 Drilling Contractor Ninnescah #101 Formation Mississippi DST No. 4  
 Remarks: Sample Taken 15 Min. into 2nd Open.

**INITIAL FLOW**

Time O'Clock	Orifice Size	Gauge	CF/D
	in.	in.	
	in.	in.	
	in.	in.	
	in.	in.	
	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	.5 in.	5-1/2# in.	81,800
20	.5 in.	5-1/2# in.	81,800
30	.5 in.	4# in.	68,800
40	.5 in.	4# in.	68,800
50	.5 in.	4# in.	68,800
60	.5 in.	4# in.	68,800
	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>	K223
<b>Contact</b>	Steve Petermann	<b>Representative</b>	Jason Mclemore
<b>Well Name</b>	Hopkins Ranch 31 #1	<b>Well Operator</b>	LB Exploration, Inc
<b>Unique Well ID</b>	DST #4 Mississippi 4477-4510	<b>Prepared By</b>	Jason Mclemore
<b>Surface Location</b>	31-32s-13w-Barber	<b>Qualified By</b>	Steve Petermann
<b>Field</b>	Palmer	<b>Test Unit</b>	
<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>	2015/02/04
<b>Test Purpose (AEUB)</b>	Initial Test	<b>Prepared By</b>	Jason Mclemore
<b>Start Test Date</b>	2015/02/03	<b>Start Test Time</b>	16:35:00
<b>Final Test Date</b>	2015/02/04	<b>Final Test Time</b>	00:56:00

**Test Results**

**RECOVERED:**

650 Muddy Water  
650 TOTAL FLUID

**CHLORIDES: 98,000**  
**PH: 6**  
**RW: .800 @ 36**



**DIAMOND TESTING**  
P.O. Box 157  
**HOISINGTON, KANSAS 67544**  
(800) 542-7313  
**DRILL-STEM TEST TICKET**  
FILE: hop31dst4

TIME ON: 4:35 PM  
TIME OFF: 12:56 AM

Company LB Exploration, Inc Lease & Well No. Hopkins Ranch 31 #1  
Contractor Ninnescah 101 Charge to LB Exploration, Inc  
Elevation GL 1715 Formation Mississippi Effective Pay \_\_\_\_\_ Ft. Ticket No. K223  
Date 2-3-15 Sec. 31 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 4477 ft. to 4510 ft. Total Depth 4510 ft.  
Packer Depth 4472 ft. Size 6 3/4 in. Packer depth \_\_\_\_\_ ft. Size 6 3/4 in.  
Packer Depth 4477 ft. Size 6 3/4 in. Packer depth \_\_\_\_\_ ft. Size 6 3/4 in.

Depth of Selective Zone Set \_\_\_\_\_  
Top Recorder Depth (Inside) 4465 ft. Recorder Number 5513 Cap. 5000 P.S.I.  
Bottom Recorder Depth (Outside) 4466 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 4452 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 33 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: BOB in 15 seconds, Gas To Surface On Shut In, Blowback Built to 2-1/2"  
2nd Open: Gaging Gas, Blowback Built to 4"

Recovered <u>650</u> ft. of <u>Muddy Water, 95% Water, 5% Mud</u>	
Recovered <u>650</u> ft. of <u>TOTAL FLUID</u>	
Recovered _____ ft. of _____	
Recovered _____ ft. of <u>CHLORIDES: 98,000</u>	
Recovered _____ ft. of <u>PH: 6</u>	Price Job
Recovered _____ ft. of <u>RW: .800 @ 36</u>	Other Charges
Remarks: _____	Insurance
	Total

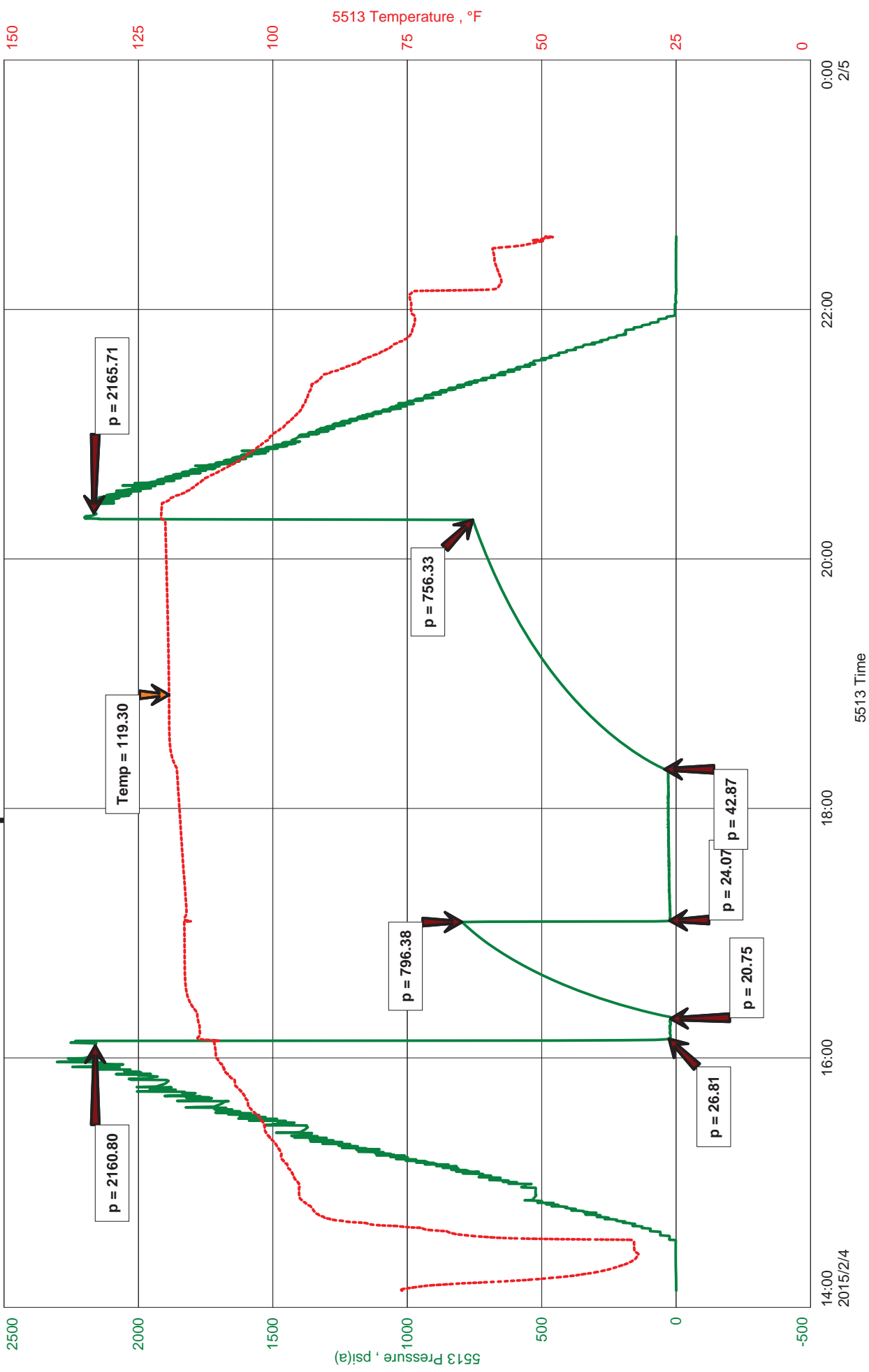
Time Set Packer(s) 6:45 PM A.M. P.M. Time Started Off Bottom 10:25 PM A.M. P.M. Maximum Temperature 130  
Initial Hydrostatic Pressure..... (A) 2150 P.S.I.  
Initial Flow Period..... Minutes 10 (B) 143 P.S.I. to (C) 125 P.S.I.  
Initial Closed In Period..... Minutes 60 (D) 1335 P.S.I.  
Final Flow Period..... Minutes 60 (E) 129 P.S.I. to (F) 331 P.S.I.  
Final Closed In Period..... Minutes 90 (G) 1254 P.S.I.  
Final Hydrostatic Pressure..... (H) 2142 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 Mississippi 4517-4590  
Start Test Date: 2015/02/04  
Final Test Date: 2015/02/04

Hopkins Ranch 31 #1  
Formation: Mississippi  
Pool: Wildcat  
Job Number: K224

# Hopkins Ranch 31 #1





**JASON MCLEMORE**

**CELL # 620-617-0527**

**General Information**

<b>Company Name</b>	LB Exploration, Inc	<b>Job Number</b>	K224
<b>Contact</b>	Steve Petermann	<b>Representative</b>	Jason McLemore
<b>Well Name</b>	Hopkins Ranch 31 #1	<b>Well Operator</b>	LB Exploration, Inc
<b>Unique Well ID</b>	DST #5 Mississippi 4517-4590	<b>Prepared By</b>	Jason McLemore
<b>Surface Location</b>	31-32s-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>	2015/02/04
<b>Test Purpose (AEUB)</b>	Initial Test	<b>Prepared By</b>	Jason McLemore
<b>Start Test Date</b>	2015/02/04	<b>Start Test Time</b>	14:08:00
<b>Final Test Date</b>	2015/02/04	<b>Final Test Time</b>	22:38:00

**Test Results**

RECOVERED:

50	VSOCM, 1% Oil, 99% Mud
50	TOTAL FLUID



**DIAMOND TESTING**  
P.O. Box 157  
**HOISINGTON, KANSAS 67544**  
(800) 542-7313  
**DRILL-STEM TEST TICKET**  
FILE: hop31dst5

TIME ON: 4:13 PM  
TIME OFF: 10:38 PM

Company LB Exploration, Inc Lease & Well No. Hopkins Ranch 31 #1  
Contractor Ninnescah 101 Charge to LB Exploration, Inc  
Elevation GL 1715 Formation Mississippi Effective Pay \_\_\_\_\_ Ft. Ticket No. K224  
Date 2-4-15 Sec. 31 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 4517 ft. to 4590 ft. Total Depth 4590 ft.  
Packer Depth 4512 ft. Size 6 3/4 in. Packer depth \_\_\_\_\_ ft. Size 6 3/4 in.  
Packer Depth 4517 ft. Size 6 3/4 in. Packer depth \_\_\_\_\_ ft. Size 6 3/4 in.

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

Top Recorder Depth (Inside) 4503 ft. Recorder Number 5513 Cap. 5000 P.S.I.  
Bottom Recorder Depth (Outside) 4506 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 9.3 Water Loss 11.2 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.  
Chlorides 6000 P.P.M. Drill Pipe Length 4492 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 73 ft. Size 4 1/2-FH in.  
Main Hole Size 7 7/8 Tool Joint Size 4 1/2 XH in. 63' DP in Anchor Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: BOB in 10 Seconds, No Blowback  
2nd Open: BOB on Open, Odorless Gas Detected After 10 Min., to Weak to Gage, No Blowback

Recovered 50 ft. of VSOCM, 1% Oil, 99% Mud  
Recovered 50 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) 4:13 PM A.M. P.M. Time Started Off Bottom 8:18 PM A.M. P.M. Maximum Temperature 119

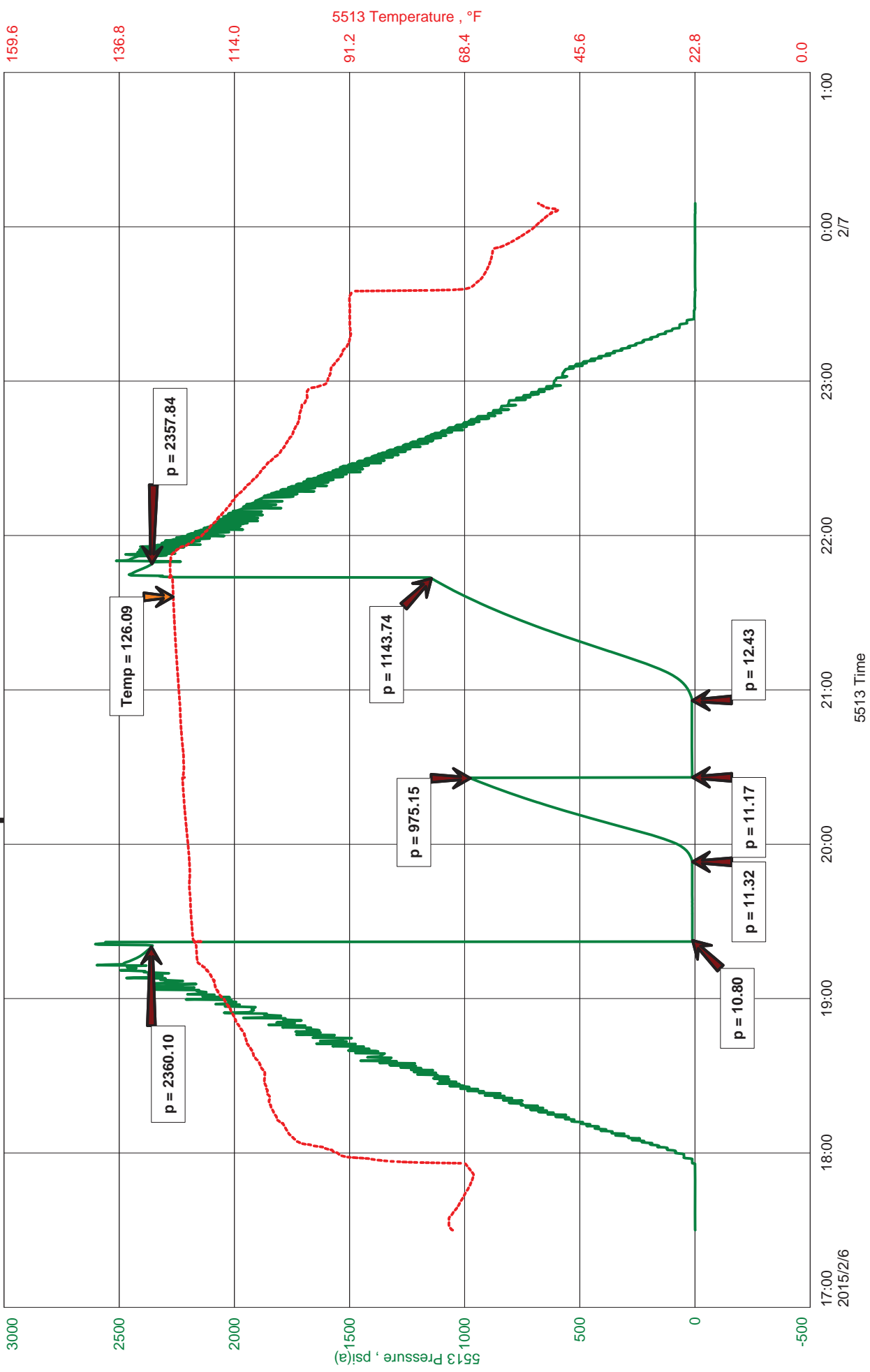
Initial Hydrostatic Pressure..... (A) 2161 P.S.I.  
Initial Flow Period..... Minutes 10 (B) 27 P.S.I. to (C) 21 P.S.I.  
Initial Closed In Period..... Minutes 45 (D) 796 P.S.I.  
Final Flow Period..... Minutes 70 (E) 24 P.S.I. to (F) 43 P.S.I.  
Final Closed In Period..... Minutes 120 (G) 756 P.S.I.  
Final Hydrostatic Pressure..... (H) 2166 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 4884-4944  
Start Test Date: 2015/02/06  
Final Test Date: 2015/02/07

Hopkins Ranch 31 #1  
Formation: Simpson  
Pool: Wildcat  
Job Number: K225

# Hopkins Ranch 31 #1







**JASON MCLEMORE**

**CELL # 620-617-0527**

**General Information**

<b>Company Name</b>	LB Exploration, Inc	<b>Job Number</b>	K225
<b>Contact</b>	Steve Petermann	<b>Representative</b>	Jason Mclemore
<b>Well Name</b>	Hopkins Ranch 31 #1	<b>Well Operator</b>	LB Exploration, Inc
<b>Unique Well ID</b>	DST #6 Simpson 4884-4944	<b>Prepared By</b>	Jason Mclemore
<b>Surface Location</b>	31-32s-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	<b>Well Operator</b>	LB Exploration, Inc
<b>Well Fluid Type</b>	01 Oil	<b>Report Date</b>	2015/02/07
<b>Test Purpose (AEUB)</b>	Initial Test	<b>Prepared By</b>	Jason Mclemore

<b>Start Test Date</b>	2015/02/06	<b>Start Test Time</b>	17:30:00
<b>Final Test Date</b>	2015/02/07	<b>Final Test Time</b>	00:10:00

**Test Results**

**RECOVERED:**

2	Drilling Mud
2	TOTAL FLUID



**DIAMOND TESTING**  
P.O. Box 157  
**HOISINGTON, KANSAS 67544**  
(800) 542-7313  
**DRILL-STEM TEST TICKET**  
FILE: hop31dst6

TIME ON: 5:30 PM  
TIME OFF: 12:10 AM

Company LB Exploration, Inc Lease & Well No. Hopkins Ranch 31 #1  
Contractor Ninnescah 101 Charge to LB Exploration, Inc  
Elevation GL 1715 Formation Simpson Effective Pay \_\_\_\_\_ Ft. Ticket No. K225  
Date 2-6-15 Sec. 31 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 4884 ft. to 4944 ft. Total Depth 4944 ft.  
Packer Depth 4879 ft. Size 6 3/4 in. Packer depth \_\_\_\_\_ ft. Size 6 3/4 in.  
Packer Depth 4884 ft. Size 6 3/4 in. Packer depth \_\_\_\_\_ ft. Size 6 3/4 in.

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

Top Recorder Depth (Inside) 4872 ft. Recorder Number 5513 Cap. 5000 P.S.I.  
Bottom Recorder Depth (Outside) 4873 ft. Recorder Number 5588 Cap. 5000 P.S.I.  
Below Straddle Recorder Depth \_\_\_\_\_ ft. Recorder Number \_\_\_\_\_ Cap. \_\_\_\_\_ P.S.I.

Mud Type Chemical Viscosity 49 Drill Collar Length 0 ft. I.D. 2 1/4 in.  
Weight 9.4 Water Loss 10.8 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.  
Chlorides 7000 P.P.M. Drill Pipe Length 4859 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 60 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 Surface Blow, Died in 5 Min., No Blowback  
2nd Open: Dead

Recovered <u>2</u> ft. of <u>Drilling Mud</u>	
Recovered <u>2</u> ft. of <u>TOTAL FLUID</u>	
Recovered _____ ft. of _____	
Recovered _____ ft. of _____	
Recovered _____ ft. of _____	Price Job
Recovered _____ ft. of _____	Other Charges
Remarks: _____	Insurance
	Total

Time Set Packer(s) 7:25 PM A.M. P.M. Time Started Off Bottom 9:40 PM A.M. P.M. Maximum Temperature 126

Initial Hydrostatic Pressure..... (A) 2360 P.S.I.  
Initial Flow Period..... Minutes 30 (B) 11 P.S.I. to (C) 11 P.S.I.  
Initial Closed In Period..... Minutes 30 (D) 975 P.S.I.  
Final Flow Period..... Minutes 30 (E) 11 P.S.I. to (F) 12 P.S.I.  
Final Closed In Period..... Minutes 45 (G) 1144 P.S.I.  
Final Hydrostatic Pressure..... (H) 2358 P.S.I.

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