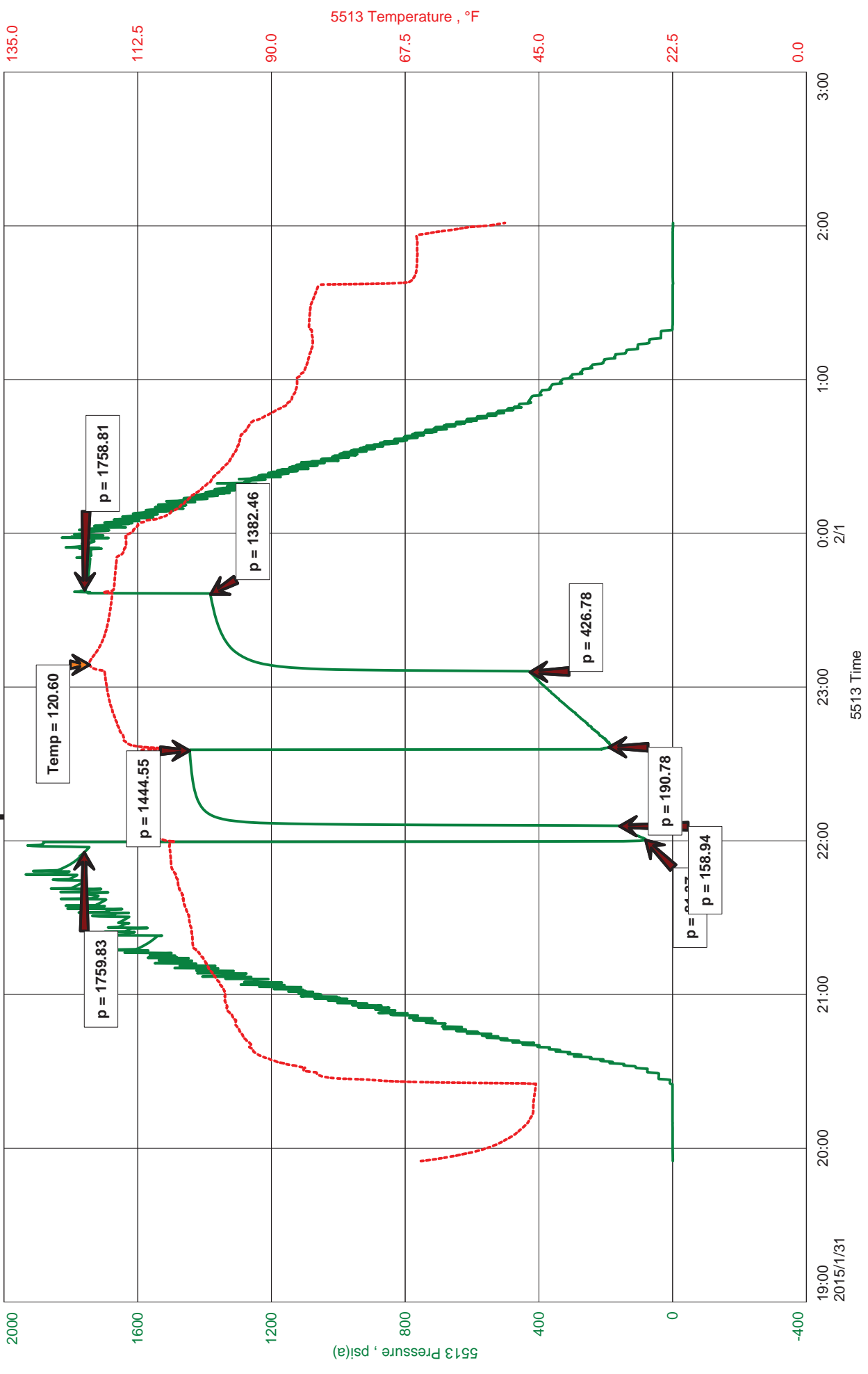
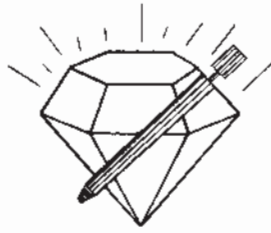


Hopkins Ranch 31 #1





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

Company Name	LB Exploration, Inc	Job Number	K220
Contact	Steve Petermann	Representative	Jason McLemore
Well Name	Hopkins Ranch 31 #1	Well Operator	LB Exploration, Inc
Unique Well ID	DST #1 Upper Douglas 3815-3864	Prepared By	Jason McLemore
Surface Location	31-31s-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	Upper Douglas	Well Operator	LB Exploration, Inc
Well Fluid Type	01 Oil	Report Date	2015/02/01
Test Purpose (AEUB)	Initial Test	Prepared By	Jason McLemore

Start Test Date	2015/01/31	Start Test Time	19:55:00
Final Test Date	2015/02/01	Final Test Time	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.

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