



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1217095
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: _____

1217095

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. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	LB Exploration, Inc.
Well Name	Hopkin's Ranch 33 1
Doc ID	1217095

All Electric Logs Run

Dual Compensated Porosity
Dual Induction
Microresistivity
Borehole Compensated Sonic

QUALITY WELL SERVICE, INC.

5979

Federal Tax I.D. # 481187368

Home Office 324 Simpson St., Pratt, KS 67124

Heath's Cell 620-727-3410
Office / Fax 620-672-3663

Rich's Cell 620-727-3409
Brady's Cell 620-727-6964

Date	2-14-14	Sec.	33	Twp.	32	Range	13 W	County	Boonville	State	K.S.	On Location	11:30 pm	Finish	2:15 AM
Lease	Hopkins		Well No.		33-2		Location Medicine Lake 7MI to Pitts Cr. Rd. 2.5 to Cattle Guard 3 miles SW								
Contractor	MINNESCAH 101				Owner L B EXPLOATION										
Type Job	Surface				To Quality Well Service, Inc. You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.										
Hole Size	12 3/4		T.D.		356'		Charge To L B EXPLOATION								
Csg.	8 5/8		Depth		354'		Street 2135 2nd RD								
Tbg. Size			Depth				City Holy Road State K.S.								
Tool			Depth				The above was done to satisfaction and supervision of owner agent or contractor.								
Cement Left in Csg.			Shoe Joint				Cement Amount Ordered 330 SKS 60/40								
Meas Line			Displace				2% Gel 3% CC 1/4 C.F.								
EQUIPMENT															
Pumptrk	6	No.	5 ear				Common 190 Used 310 SX								
Bulktrk	9	No.	Pate Moss				Poz. Mix 120								
Bulktrk		No.					Gel. 5								
Pickup		No.					Calcium 12								
JOB SERVICES & REMARKS															
Rat Hole							Hulls								
Mouse Hole							Salt								
Centralizers							Flowseal 77.5								
Baskets							Kol-Seal								
D/V or Port Collar							Mud CLR 48								
pumped 310 SKS 60/40 2% gel 3% cement circulator							CFL-117 or CD110 CAF 38								
							Sand								
							Handling 327								
							Mileage 15								
FLOAT EQUIPMENT															
							Guide Shoe 1 8 5/8 Wooden Plug								
							Centralizer 1 8 5/8 Plug Container								
							Baskets								
							AFU Inserts								
							Float Shoe								
							Latch Down								
							LMV 15								
							Service Supervisor								
							Pumptrk Charge Surface								
							Mileage 15 x 2								
													Tax		
													Discount		
													Total Charge		
Signature <i>[Signature]</i>															

Customer	LB Exploration Inc	Lease No.		Date	2-26-14		
Lease	Hopkins Ranch	Well #	33-1				
Field Order #	9422	Station	Pratt	Casing	5 1/2	Depth	4645
				County	Barber	State	KS
Type Job	Cnw long string			Formation		Legal Description	33-32-13

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME	
Casing Size	5 1/2	Tubing Size		Acid	150 AA-2	1/4 CE RATE	PRESS 1075
Depth	4645	Shots/Ft		Pre Pad	190 gas block	Max	300 FIA 300 5 1/2
Volume	113.7	From	To	Pad	75 SKS CO	Min	40 F02 2 1/2 901
Max Press	1500	From	To	Frac		Avg	
Well Connection	Annulus Vol.	From	To			HHP Used	Annulus Pressure
Plug Depth	4600.57	From	To	Flush		Gas Volume	Total Load

Customer Representative	Michael Penniman	Station Manager	Kevin Gourley	Treater	Mike Matta
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Service Units	37586	27463	19860	21010				
Driver Names	Matta	Kucera	Egg	ng				

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
5:48					ON LOCATION / SAFETY MEETING
5:55					RUN 5 1/2 CASING, BASED ON #1
					TUBING ON 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12
8:15					CASING ON BOTTOM
8:30					HOOK UP TO CASING / BREAK CIRC W RIG
9:37	350		5	5	PUMP 5 BBL H2O
9:34	350		12	5	PUMP 12 BBL MUD FLUSH
9:37	400		5	5	PUMP 5 BBL H2O
9:39	450		6	5	MIX 25 SKS SCUMBER
9:41	450		41	5	MIX 150 SKS AA-2
9:49			4	3	WASH PUMP + LIFT
9:54					RELEASE PLUG
9:55	250			6	START DISPLACEMENT
10:08	450		80	5.5	LIFT PRESSURE
10:12	800		95	4	SLOW RATE SDR ROTATING
10:15	900/1500		112		PLUG DOWN, PRESSURE TO RELEASE
10:25			7.5		PLUG RAT + mouse hole
					CIRCULATION THRU JOB
					JOB COMPLETE
					THANK YOU!
					MIKE MATTA



Diamond Testing General Report

**JAKE
FAHRENBRUCH - TESTER
Cell: (620) 282-8977**

P.O. Box 157
Hoisington KS 67544
Office: (800) 542-7313

General Information

Company Name	LB EXPLORATION INC.	Well Name	HOPKINS RANCH 33 #1
Well Operator	LB EXPLORATION INC.	Unique Well ID	DST #1 MARMATON 4445'-4494'
Contact	MICHAEL PETERMAN	Surface Location	S33-T32s-R13w-BA CO.-KS
Site Contact	STEVE PETERMAN	Test Unit	#5
Field	HALLELUJAH	Pool	UNKNOWN
Well Type	Vertical	Job Number	F249
Prepared By	JAKE FAHRENBRUCH	Qualified By	STEVE PETERMAN

Test Information

Test Type	BOTTOM-HOLE (NO X EQUIP)	Test Purpose	Initial Test
Formation	MARMATON 4445'-4494'	Gauge Name	INSIDE 5951
Start Test Date	2014/02/21	Start Test Time	20:01:00
Final Test Date	2014/02/22	Final Test Time	03:50:00

Test Results

FLOWS, SHUT-INS, AND BOTTOM-HOLE PRESSURES:

---20 MIN I.F. ---	WEAK BLOW, INCREASED TO 3.5"	8 PSI INC. TO 10 PSI
---40 MIN I.S.I. --	NO BLOW-BACK	56 PSI
---40 MIN F.F. ---	WEAK 1.5" BLOW, INCREASED TO 3"	9 PSI INC. TO 12 PSI
---80 MIN F.S.I. -	NO BLOW-BACK	73 PSI
-----	INITIAL HYDROSTATIC PRESSURE:	2236 PSI
-----	FINAL HYDROSTATIC PRESSURE:	2236 PSI

RECOVERED:

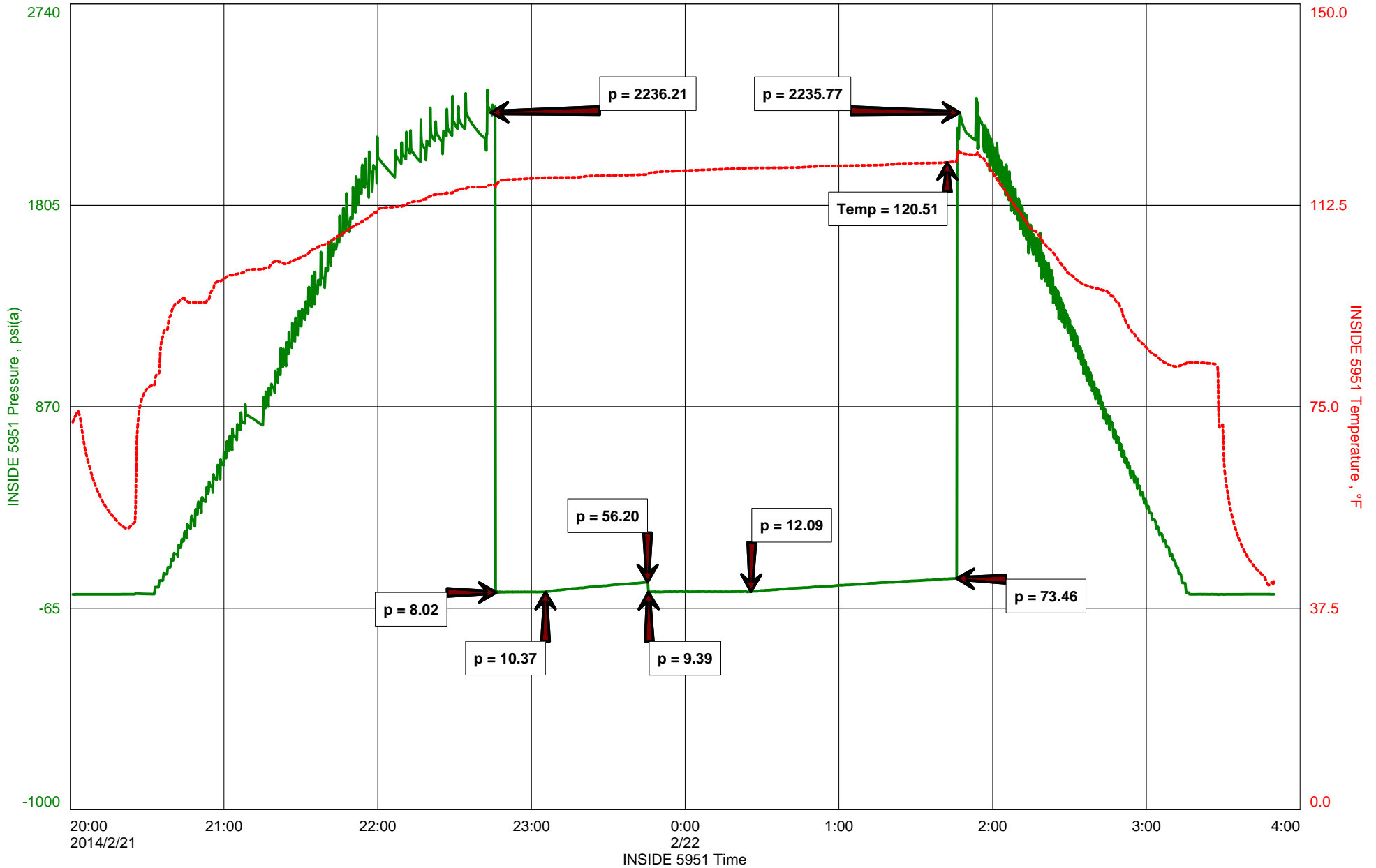
20' DRILLING MUD
120' GAS IN PIPE
BOTTOM-HOLE TEMP: 121 DEG F

THANKS

LB EXPLORATION INC.
DST #1 MARMATON 4445'-4494'
Start Test Date: 2014/02/21
Final Test Date: 2014/02/22

HOPKINS RANCH 33 #1
Formation: MARMATON 4445'-4494'
Pool: UNKNOWN
Job Number: F249

HOPKINS RANCH 33 #1





DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313
DRILL-STEM TEST TICKET
FILE: HR331DST1

TIME ON: 8:01 PM 2-21
TIME OFF: 3:50 AM 2-22

Company LB EXPLORATION INC. Lease & Well No. HOPKINS RANCH 33 #1
Contractor NINNESCAH DRILLING RIG #101 Charge to LB EXPLORATION INC.
Elevation 1746' KB Formation MARMATON Effective Pay FIELD: HALLELUJAH Ft. Ticket No. F249
Date SAT 2-22-14 Sec. 33 Twp. 32 S Range 13 W County BARBER State KANSAS
Test Approved By STEVE PETERMAN Diamond Representative JAKE FAHRENBRUCH

Formation Test No. ONE Interval Tested from 4445 ft. to 4494 ft. Total Depth 4494 ft.
Packer Depth 4440 ft. Size 6 3/4 in. Packer depth ----- ft. Size 6 3/4 in.
Packer Depth 4445 ft. Size 6 3/4 in. Packer depth ----- ft. Size 6 3/4 in.
Depth of Selective Zone Set -----

Top Recorder Depth (Inside) 4431 ft. Recorder Number 5951 Cap. 5,000 P.S.I.
Bottom Recorder Depth (Outside) 4457 ft. Recorder Number 5584 Cap. 5,000 P.S.I.
Below Straddle Recorder Depth ----- ft. Recorder Number ----- Cap. ----- P.S.I.

Mud Type CHEMICAL Viscosity ----- Drill Collar Length ----- ft. I.D. 2 1/4 in.
Weight ----- Water Loss ----- cc. Weight Pipe Length ----- ft. I.D. 2 7/8 in.
Chlorides ----- P.P.M. Drill Pipe Length 4420 ft. I.D. 3 1/2 in.
Jars: Make STERLING Serial Number ----- 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. 15' PERF (10' TOP, 5BTM) Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: WEAK BLOW, INCREASED TO 3.5"
2nd Open: WEAK 1.5" BLOW, INCREASED TO 3"

Recovered 20 ft. of DRILLING MUD
Recovered ----- ft. of 120' G.I.P.
Recovered ----- ft. of -----
Recovered ----- ft. of -----

Recovered <u>-----</u> ft. of <u>-----</u>	Price Job
Recovered <u>-----</u> ft. of <u>-----</u> TEST: \$1,225.00	Other Charges
Remarks: <u>-----</u> (86 M.R.T. HOUSE TO RIG & BACK @ \$1.40/M) \$120.40	Insurance
<u>-----</u> NO EXTRA EQUIPMENT RAN	
<u>-----</u> TOTAL COST OF DST #1 = \$1,345.40	Total

Time Set Packer(s) 10:45 PM 2-21 A.M. P.M. Time Started Off Bottom 1:45 AM 2-22 A.M. P.M. Maximum Temperature 121 DEG F

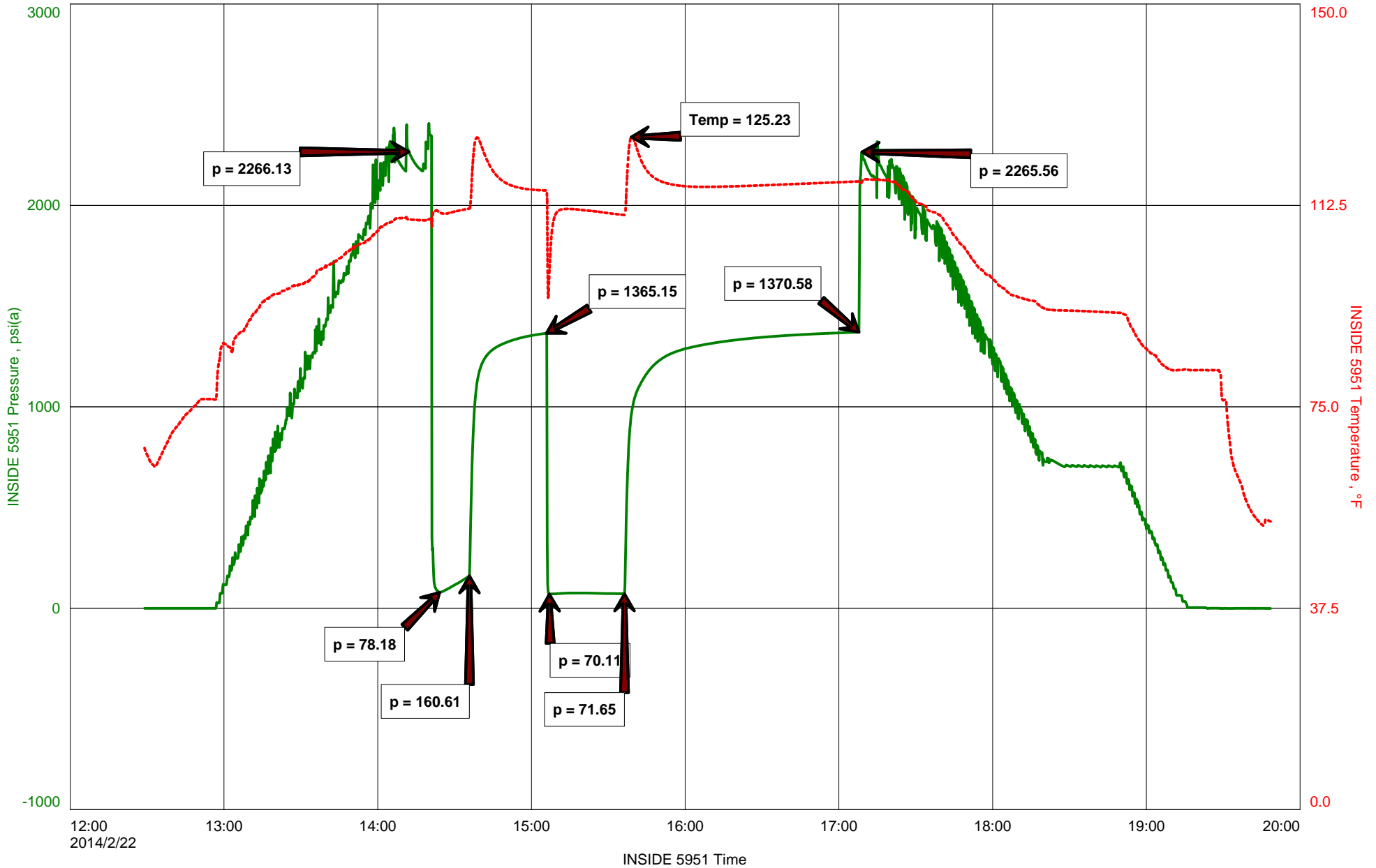
Initial Hydrostatic Pressure..... (A) 2236 P.S.I.
Initial Flow Period..... Minutes 20 (B) 8 P.S.I. to (C) 10 P.S.I.
Initial Closed In Period..... Minutes 40 (D) 56 P.S.I.
Final Flow Period..... Minutes 40 (E) 9 P.S.I. to (F) 12 P.S.I.
Final Closed In Period..... Minutes 80 (G) 73 P.S.I.
Final Hydrostatic Pressure..... (H) 2236 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 MISSISSIPPI 4492'-4534'
Start Test Date: 2014/02/22
Final Test Date: 2014/02/22

HOPKINS RANCH 33 #1
Formation: MISSISSIPPI 4492'-4534'
Pool: UNKNOWN
Job Number: F250

HOPKINS RANCH 33 #1





Diamond Testing General Report

**JAKE
FAHRENBRUCH - TESTER
Cell: (620) 282-8977**

P.O. Box 157
Hoisington KS 67544
Office: (800) 542-7313

General Information

Company Name	LB EXPLORATION INC	Well Name	HOPKINS RANCH 33 #1
Well Operator	LB EXPLORATION INC	Unique Well ID	DST #2 MISSISSIPPI 4492'-4534'
Contact	MICHAEL PETERMAN	Surface Location	SEC 33-32S-13W-BA-KS
Site Contact	STEVE PETERMAN	Test Unit	#5
Field	HALLELUJAH	Pool	UNKNOWN
Well Type	Vertical	Job Number	F250
Prepared By	JAKE FAHRENBRUCH	Qualified By	STEVE PETERMAN

Test Information

Test Type	BOTTOM-HOLE (NO X EQUIP)	Test Purpose	Initial Test
Formation	MISSISSIPPI 4492'-4534'	Gauge Name	INSIDE 5951
Start Test Date	2014/02/22	Start Test Time	12:29:00
Final Test Date	2014/02/22	Final Test Time	19:49:00

Test Results

BLOWS:

15 MIN I.F.	STRONG BLOW, B.O.B. IN 15 SECONDS.
30 MIN I.S.I.	G.T.S. WHILE BLEEDING OFF BLOW, NO BLOW-BACK.
30 MIN F.F.	STRONG BLOW, B.O.B. IMMEDIATELY, GAUGE GAS, TAKE GAS SAMPLE.
90 MIN F.S.I.	BLD- OFF BLOW, NO BLOW-BACK.

GAS RATES (FINAL FLOW):

1 MIN	78 MCF
2 MIN	189 MCF
3 MIN	205 MCF
4 MIN	222 MCF
5 MIN	243 MCF
10 MIN	260 MCF
20 MIN	260 MCF
30 MIN	260 MCF

RECOVERED: 45' OF DRILLING MUD

BOTTOM HOLE TEMP:	125 DEG F
INITIAL HYDROSTATIC PRESSURE:	2266
INITIAL FLOW PRESSURES:	78-161
INITIAL SHUT-IN PRESSURE:	1365
FINAL FLOW PRESSURES:	70-72
FINAL SHUT-IN PRESSURE:	1371
FINAL HYDROSTATIC PRESSURE:	2266

THANKS!



DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313
DRILL-STEM TEST TICKET
FILE: HR331DST2

TIME ON: 12:29 PM
TIME OFF: 7:49 PM

Company LB EXPLORATION INC. Lease & Well No. HOPKINS RANCH 33 #1
Contractor NINNESCAH DRILLING RIG #101 Charge to LB EXPLORATION INC.
Elevation 1746' KB Formation MISSISSIPPI Effective Pay FIELD: HALLELUJAH Ft. Ticket No. F250
Date SAT 2-22-14 Sec. 33 Twp. 32 S Range 13 W County BARBER State KANSAS
Test Approved By STEVE PETERMAN Diamond Representative JAKE FAHRENBRUCH

Formation Test No. TWO Interval Tested from 4492 ft. to 4534 ft. Total Depth 4534 ft.
Packer Depth 4487 ft. Size 6 3/4 in. Packer depth ----- ft. Size 6 3/4 in.
Packer Depth 4492 ft. Size 6 3/4 in. Packer depth ----- ft. Size 6 3/4 in.
Depth of Selective Zone Set -----

Top Recorder Depth (Inside) 4488 ft. Recorder Number 5951 Cap. 5,000 P.S.I.
Bottom Recorder Depth (Outside) 4497 ft. Recorder Number 5584 Cap. 5,000 P.S.I.
Below Straddle Recorder Depth ----- ft. Recorder Number ----- Cap. ----- P.S.I.

Mud Type CHEMICAL Viscosity 60 Drill Collar Length ----- ft. I.D. 2 1/4 in.
Weight 9.3 Water Loss 8.8 cc. Weight Pipe Length ----- ft. I.D. 2 7/8 in.
Chlorides 7800 P.P.M. Drill Pipe Length 4468 ft. I.D. 3 1/2 in.
Jars: Make STERLING Serial Number ----- Test Tool Length 25 ft. Tool Size 3 1/2-IF in.
Did Well Flow? NO Reversed Out NO Anchor Length 42 ft. Size 4 1/2-FH in.
Main Hole Size 7 7/8 Tool Joint Size 4 1/2 XH in. ^{8PERF(3TOP,5BTM)} Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: STRONG BLOW, B.O.B. IN 15 SECONDS. G.T.S. WHILE BLEEDING BLOW OFF. NO BLOWBACK.
2nd Open: STRONG BLOW, B.O.B. IMMEDIATELY. GUAGE GAS. TAKE GAS SAMPLE. NO BLOWBACK

Recovered 45 ft. of DRILLING MUD
Recovered ft. of
Recovered ft. of
Recovered ft. of

Recovered <u> </u> ft. of <u> </u>	Price Job
Recovered <u> </u> ft. of <u>-----TEST: \$1,225.00</u>	Other Charges
Remarks: <u>----- (86 M.R.T. HOUSE TO RIG & BACK @ \$1.40/M) \$120.40</u>	Insurance
<u>-----NO EXTRA EQUIPMENT RAN</u>	
<u>-----TOTAL COST OF DST #2 = \$1,345.40</u>	Total

Time Set Packer(s) 2:21 PM ^{A.M.}/_{P.M.} Time Started Off Bottom 5:06 PM ^{A.M.}/_{P.M.} Maximum Temperature 125 DEG F

Initial Hydrostatic Pressure..... (A) 2266 P.S.I.
Initial Flow Period..... Minutes 15 (B) 78 P.S.I. to (C) 161 P.S.I.
Initial Closed In Period..... Minutes 30 (D) 1365 P.S.I.
Final Flow Period..... Minutes 30 (E) 70 P.S.I. to (F) 72 P.S.I.
Final Closed In Period..... Minutes 90 (G) 1371 P.S.I.
Final Hydrostatic Pressure..... (H) 2266 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.



Diamond Testing General Report

**JAKE
FAHRENBRUCH - TESTER
Cell: (620) 282-8977**

P.O. Box 157
Hoisington KS 67544
Office: (800) 542-7313

General Information

Company Name	LB EXPLORATION INC	Well Name	HOPKINS RANCH 33 #1
Well Operator	LB EXPLORATION INC	Unique Well ID	DST #3 MISSISSIPPIAN 4534'-4556'
Contact	MICHAEL PETERMANN	Surface Location	SEC 33 - 32s - 13w - BA - KS
Site Contact	STEVE PETERMANN	Test Unit	#5
Field	HALLELUJAH	Pool	UNKNOWN
Well Type	Vertical	Job Number	F251
Prepared By	JAKE FAHRENBRUCH	Qualified By	STEVE PETERMANN

Test Information

Test Type	BOTTOM-HOLE (NO X EQUIP)	Test Purpose	Initial Test
Formation	MISSISSIPPI 4534' - 4556'	Gauge Name	INSIDE 5951
Start Test Date	2014/02/23	Start Test Time	03:25:00
Final Test Date	2014/02/23	Final Test Time	10:47:00

Test Results

BLOWS:

15 MIN I.F.	STRONG BLOW AT B.O.B. IN 10 SECONDS
30 MIN I.S.I.	NO BLOW-BACK
45 MIN F.F.	STRONG BLOW AT B.O.B. IMMEDIATELY, G.T.S. IN 3 MINUTES, GUAGED GAS
3 MIN	6# 1/4" 22.9 MCF
7 MIN	6# 1/4" 22.9 MCF
14 MIN	5# 1/4" 20.7 MCF
20 MIN	4# 1/4" 18.5 MCF
30 MIN	3.5# 1/4" 17.1 MCF
40 MIN	3# 1/4" 15.7 MCF
45 MIN	3# 1/4" 15.7 MCF
90 MIN F.S.I.	NO BLOW-BACK

RECOVERED: 30' GCOCM 10% GAS, 20% OIL, 70% MUD
BOTTOM-HOLE TEMP: 120 DEG F

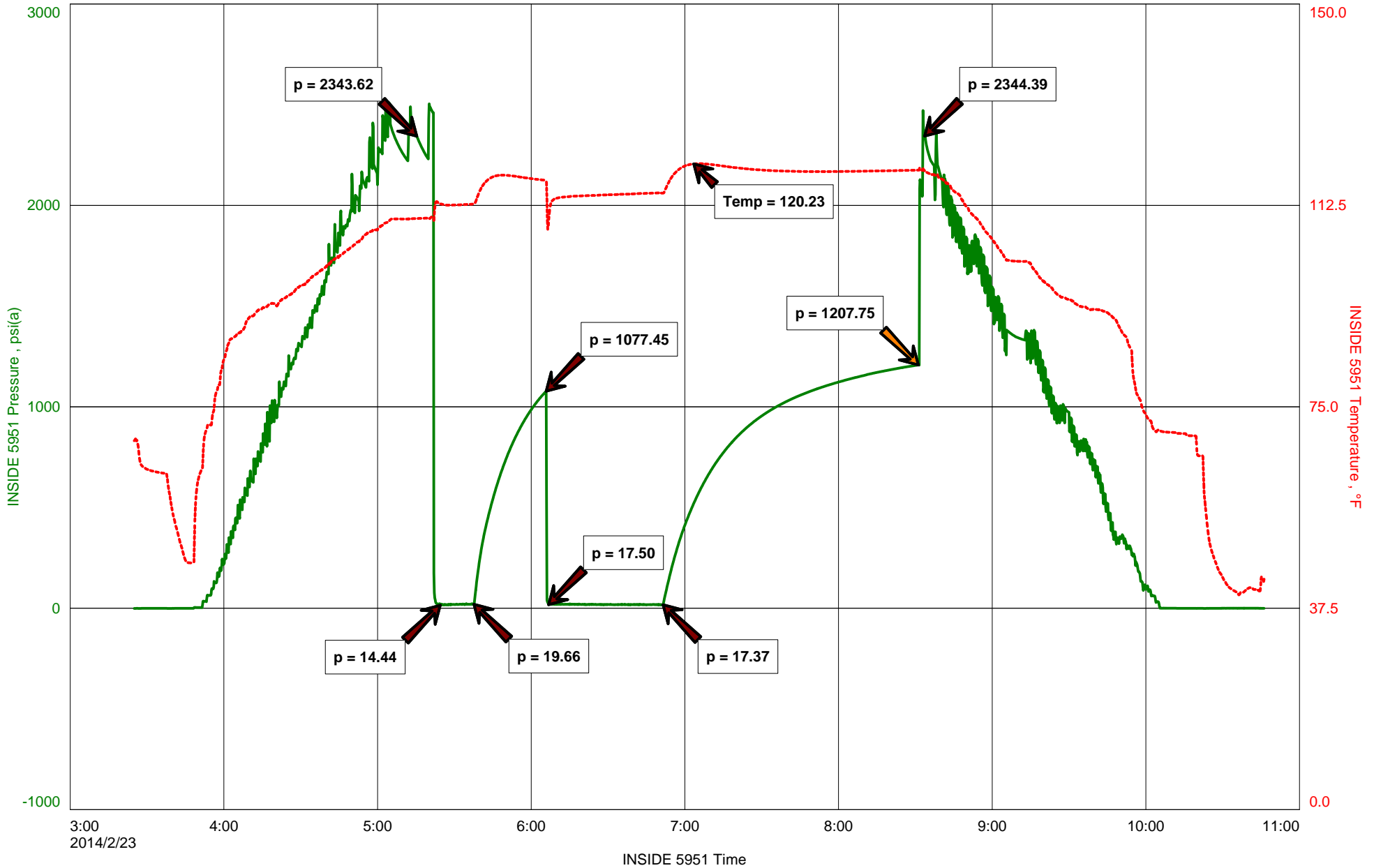
INITIAL HYDROSTATIC PRESSURE:	2344
INITIAL FLOW PRESSURES:	14 - 20
INITIAL SHUT-IN PRESSURE:	1077
FINAL FLOW PRESSURES:	18 - 17
FINAL SHUT-IN PRESSURE:	1208
FINAL HYDROSTATIC PRESSURE:	2344

THANKS!

LB EXPLORATION INC
DST #3 MISSISSIPPIAN 4534'-4556'
Start Test Date: 2014/02/23
Final Test Date: 2014/02/23

HOPKINS RANCH 33 #1
Formation: MISSISSIPPI 4534' - 4556'
Pool: UNKNOWN
Job Number: F251

HOPKINS RANCH 33 #1





DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313
DRILL-STEM TEST TICKET
FILE: HR331DST3

TIME ON: 3:25 AM
TIME OFF: 10:47 AM

Company LB EXPLORATION INC. Lease & Well No. HOPKINS RANCH 33 #1
Contractor NINNESCAH DRILLING RIG #101 Charge to LB EXPLORATION INC.
Elevation 1746' KB Formation MISSISSIPPI Effective Pay FIELD: HALLELUJAH Ft. Ticket No. F251
Date SUN 2-23-14 Sec. 33 Twp. 32 S Range 13 W County BARBER State KANSAS
Test Approved By STEVE PETERMANN Diamond Representative JAKE FAHRENBRUCH

Formation Test No. THREE Interval Tested from 4534 ft. to 4556 ft. Total Depth 4556 ft.
Packer Depth 4529 ft. Size 6 3/4 in. Packer depth ----- ft. Size 6 3/4 in.
Packer Depth 4534 ft. Size 6 3/4 in. Packer depth ----- ft. Size 6 3/4 in.
Depth of Selective Zone Set -----

Top Recorder Depth (Inside) 4520 ft. Recorder Number 5951 Cap. 5,000 P.S.I.
Bottom Recorder Depth (Outside) 4538 ft. Recorder Number 5584 Cap. 5,000 P.S.I.
Below Straddle Recorder Depth ----- ft. Recorder Number ----- Cap. ----- P.S.I.

Mud Type CHEMICAL Viscosity 60 Drill Collar Length ----- ft. I.D. 2 1/4 in.
Weight 9.3 Water Loss 8.8 cc. Weight Pipe Length ----- ft. I.D. 2 7/8 in.
Chlorides 7800 P.P.M. Drill Pipe Length 4509 ft. I.D. 3 1/2 in.
Jars: Make STERLING Serial Number ----- Test Tool Length 25 ft. Tool Size 3 1/2-IF in.
Did Well Flow? G.T.S. Reversed Out NO Anchor Length 22 ft. Size 4 1/2-FH in.
Main Hole Size 7 7/8 Tool Joint Size 4 1/2 XH in. ALL PERF Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: **STRONG BLOW, B.O.B. IN 10 SECONDS. NO BLOW-BACK.**
2nd Open: **STRONG BLOW, B.O.B. IMMEDIATELY, G.T.S. IN 3 MINUTES. NO BLOW-BACK.**

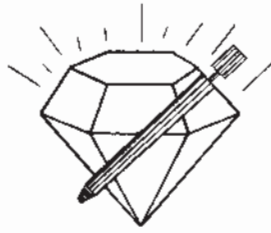
Recovered 30 ft. of GCOCM 10% GAS, 20% OIL, 70% MUD
Recovered ----- ft. of -----
Recovered ----- ft. of -----
Recovered ----- ft. of GAS RATE SLOWLY DECLINED FROM 22.9 MCF TO 15.7 MCF OVER THE DURATION OF THE FLOW PERIOD.

Recovered <u>-----</u> ft. of <u>-----</u>	Price Job
Recovered <u>-----</u> ft. of <u>-----</u> TEST: \$1,225.00	Other Charges
Remarks: <u>-----</u> (86 M.R.T. HOUSE TO RIG & BACK @ \$1.40/M) \$120.40	Insurance
<u>-----</u> NO EXTRA EQUIPMENT RAN	
<u>-----</u> TOTAL COST OF DST #3 = \$1,345.40	Total

Time Set Packer(s) 5:22 AM A.M. P.M. Time Started Off Bottom 8:22 AM A.M. P.M. Maximum Temperature 120 DEG F

Initial Hydrostatic Pressure..... (A) 2344 P.S.I.
Initial Flow Period..... Minutes 15 (B) 14 P.S.I. to (C) 20 P.S.I.
Initial Closed In Period..... Minutes 30 (D) 1077 P.S.I.
Final Flow Period..... Minutes 45 (E) 18 P.S.I. to (F) 17 P.S.I.
Final Closed In Period..... Minutes 90 (G) 1208 P.S.I.
Final Hydrostatic Pressure..... (H) 2344 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.



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

Company LB EXPLORATION Lease & Well No. HOPKINS RANCH 33 #1
 Date 2-23-14 Sec. 33 Twp. 32S Rge. 13W Location _____ County BA State KS
 Drilling Contractor NINNESCAH DRLG RIG 101 Formation MISSISSIPPI DST No. 3
 Remarks: G.T.S. 3 MIN INTO FINAL FLOW PERIOD. NO SAMPLE TAKEN.

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.	

FINAL FLOW

Time O'Clock	Orifice Size	Gauge	CF/D
	in.	PSI in.	
6:10 AM	1/4 in.	6 in.	22,900
6:14 AM	1/4 in.	6 in.	22,900
6:21 AM	1/4 in.	5 in.	20,700
6:27 AM	1/4 in.	4 in.	18,500
6:37 AM	1/4 in.	3.5 in.	17,100
6:47 AM	1/4 in.	3 in.	15,700
6:52 AM	1/4 in.	3 in.	15,700
	in.	in.	
	in.	in.	

*SAMPLE TAKEN

FINAL FLOW



Diamond Testing General Report

**JAKE
FAHRENBRUCH - TESTER
Cell: (620) 282-8977**

P.O. Box 157
Hoisington KS 67544
Office: (800) 542-7313

General Information

Company Name	LB EXPLORATION INC	Well Name	HOPKINS RANCH 33 #1
Well Operator	LB EXPLORATION INC	Unique Well ID	DST #4 VIOLA 4840'-4890'
Contact	MICHAEL PETERMANN	Surface Location	SEC 33 - 32s - 13w - BA - KS
Site Contact	STEVE PETERMANN	Test Unit	#5
Field	HALLELUJAH	Pool	NA
Well Type	Vertical	Job Number	F252
Prepared By	JAKE FAHRENBRUCH	Qualified By	STEVE PETERMANN

Test Information

Test Type	BOTTOM-HOLE (NO X EQUIP)	Test Purpose	Initial Test
Formation	VIOLA 4840'-4890'	Gauge Name	INSIDE 5951
Start Test Date	2014/02/24	Start Test Time	19:35:00
Final Test Date	2014/02/25	Final Test Time	01:41:00

Test Results

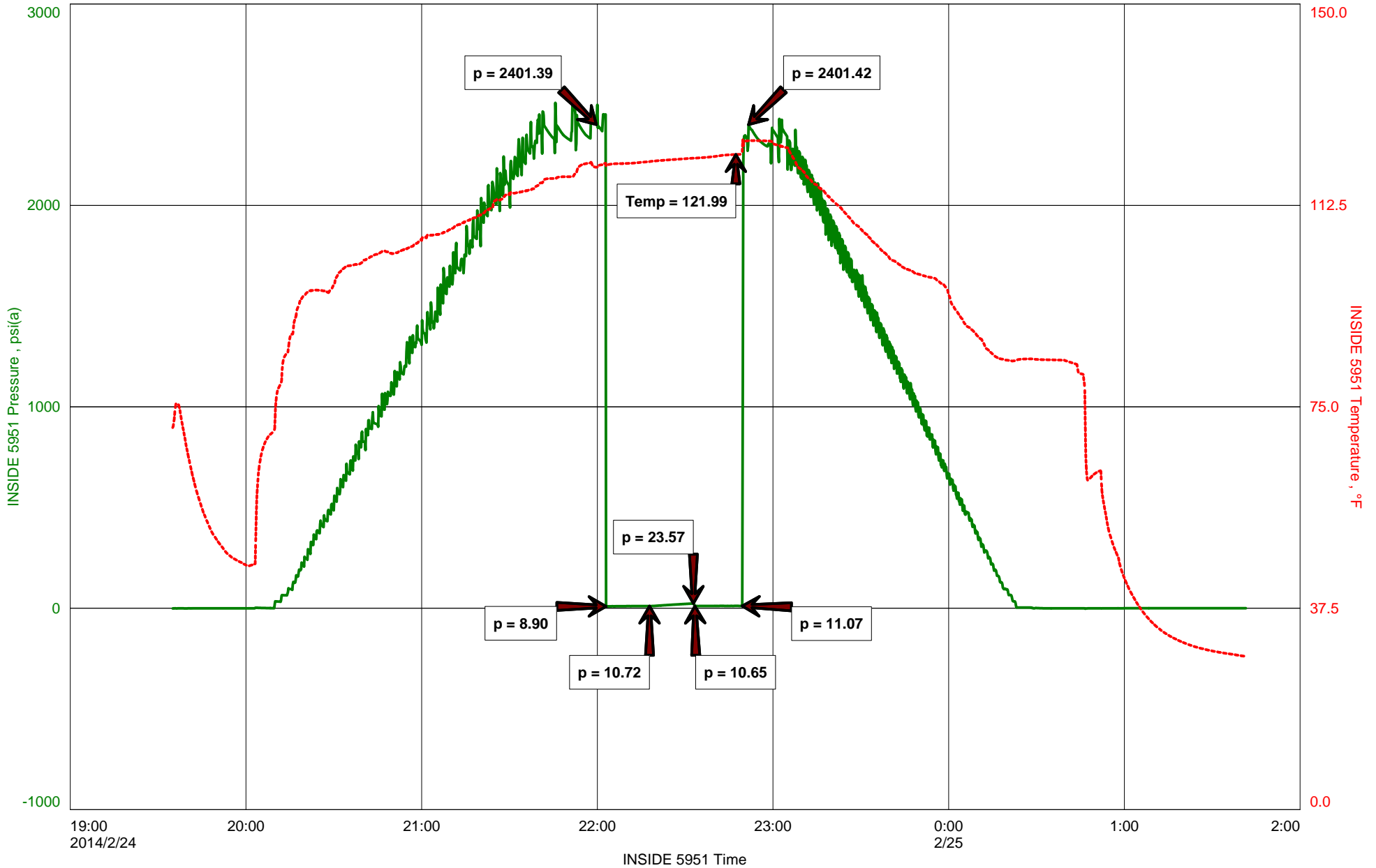
BLOWS:

15 MIN I.F.	WEAK QUARTER INCH BLOW.
15 MIN I.S.I.	NO BLOW-BACK.
15 MIN F.F.	NO BLOW.
NO F.S.I.	PULLED TOOL.

RECOVERED: 5' DRLG MUD
 BOTTOM-HOLE TEMP: 122 DEG F
 INITIAL HYDROSTATIC PRESSURE: 2401 PSI
 INITIAL BEGIN FLOW PRESSURE: 9 PSI
 INITIAL END FLOW PRESSURE: 11 PSI
 INITIAL SHUT-IN PRESSURE: 24 PSI
 FINAL BEGIN FLOW PRESSURE: 11 PSI
 FINAL END FLOW PRESSURE: 11 PSI
 ***** NO FINAL SHUT-IN PERIOD RAN *****
 FINAL HYDROSTATIC PRESSURE: 2401 PSI

THANKS!

HOPKINS RANCH 33 #1





DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313
DRILL-STEM TEST TICKET
FILE: HR331DST4

TIME ON: 7:35 PM
TIME OFF: 1:41 AM 2-25

Company LB EXPLORATION INC. Lease & Well No. HOPKINS RANCH 33 #1
Contractor NINNESCAH DRLG RIG #101 Charge to LB EXPLORATION INC.
Elevation 1746' KB Formation VIOLA Effective Pay FIELD: HALLELUJAH Ft. Ticket No. F252
Date 2-24-14 MON Sec. 33 Twp. 32 S Range 13 W County BARBER State KANSAS
Test Approved By STEVE PETERMANN Diamond Representative JAKE FAHRENBRUCH

Formation Test No. FOUR Interval Tested from 4840 ft. to 4890 ft. Total Depth 4890 ft.
Packer Depth 4835 ft. Size 6 3/4 in. Packer depth ----- ft. Size 6 3/4 in.
Packer Depth 4840 ft. Size 6 3/4 in. Packer depth ----- ft. Size 6 3/4 in.
Depth of Selective Zone Set -----

Top Recorder Depth (Inside) 4826 ft. Recorder Number 5951 Cap. 5000 P.S.I.
Bottom Recorder Depth (Outside) 4845 ft. Recorder Number 5584 Cap. 5000 P.S.I.
Below Straddle Recorder Depth ----- ft. Recorder Number ----- Cap. ----- P.S.I.

Mud Type CHEMICAL Viscosity 60 Drill Collar Length ----- ft. I.D. 2 1/4 in.
Weight 9.5 Water Loss 12.0 cc. Weight Pipe Length ----- ft. I.D. 2 7/8 in.
Chlorides 7000 P.P.M. Drill Pipe Length 4815 ft. I.D. 3 1/2 in.
Jars: Make STERLING Serial Number ----- Test Tool Length 35 ft. Tool Size 3 1/2-IF in.
Did Well Flow? NO Reversed Out NO Anchor Length 50 ft. Size 4 1/2-FH in.
Main Hole Size 7 7/8 Tool Joint Size 4 1/2 XH in. ^{16"PERF(3"TOP,13"BTM)} Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: WEAK QUARTER INCH BLOW
2nd Open: NO BLOW

Recovered 5 ft. of DRILLING MUD
Recovered ft. of
Recovered ft. of
Recovered ft. of

Recovered <u> </u> ft. of <u> </u>	Price Job
Recovered <u> </u> ft. of (TOOLS LOADED, STANDING BY FOR A SLIGHT CHANCE OF A SIMPSON TEST IN +/- 60'.)	Other Charges
Remarks: <u>TEST: \$1,225.00</u>	Insurance
<u>86 M.R.T.: \$120.40</u>	
<u>TOTAL FOR DST #4: \$1,345.40</u>	Total

Time Set Packer(s) 10:03PM ^{A.M.}/_{P.M.} Time Started Off Bottom 10:48PM ^{A.M.}/_{P.M.} Maximum Temperature 122 DEG F

Initial Hydrostatic Pressure..... (A) 2401 P.S.I.
Initial Flow Period..... Minutes 15 (B) 9 P.S.I. to (C) 11 P.S.I.
Initial Closed In Period..... Minutes 15 (D) 24 P.S.I.
Final Flow Period..... Minutes 15 (E) 11 P.S.I. to (F) 11 P.S.I.
Final Closed In Period..... Minutes ----- (G) ----- P.S.I.
Final Hydrostatic Pressure..... (H) 2401 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.

