



KANSAS CORPORATION COMMISSION 1088206
OIL & GAS CONSERVATION DIVISION

Form ACO-1
June 2009
Form Must Be Typed
Form must be Signed
All blanks must be Filled

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # 6039
Name: L. D. Drilling, Inc.
Address 1: 7 SW 26TH AVE
Address 2: _____
City: GREAT BEND State: KS Zip: 67530 + 6525
Contact Person: L. D. DAVIS
Phone: (620) 793-3051
CONTRACTOR: License # 33323
Name: Petromark Drilling, LLC
Wellsite Geologist: JOSH AUSTIN
Purchaser: M V PURCHASING

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
 Conv. to GSW
- Plug Back: _____ Plug Back Total Depth _____
 Commingled Permit #: _____
 Dual Completion Permit #: _____
 SWD Permit #: _____
 ENHR Permit #: _____
 GSW Permit #: _____

04/25/2012 05/02/2012 05/08/2012
Spud Date or Date Reached TD Completion Date or
Recompletion Date Recompletion Date

API No. 15 - 15-167-23793-00-00

Spot Description: _____
NW NE SE SW Sec. 12 Twp. 15 S. R. 12 East West
1190 Feet from North / South Line of Section
2175 Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE NW SE SW

County: Russell

Lease Name: J S Well #: 1-12

Field Name: NA

Producing Formation: KANSAS CITY

Elevation: Ground: 1846 Kelly Bushing: 1852

Total Depth: 3470 Plug Back Total Depth: 3443

Amount of Surface Pipe Set and Cemented at: 755 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: 6000 ppm Fluid volume: 240 bbls

Dewatering method used: Hauled to Disposal

Location of fluid disposal if hauled offsite:

Operator Name: L. D. DRILLING, INC.

Lease Name: L. D. License #: 6039

Quarter NW Sec. 22 Twp. 16 S. R. 13 East West

County: BARTON Permit #: D30660

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

- Letter of Confidentiality Received
Date: _____
- Confidential Release Date: _____
- Wireline Log Received
- Geologist Report Received
- UIC Distribution
- ALT I II III Approved by: Deanna Garriso Date: 07/27/2012



1088206

Operator Name: L. D. Drilling, Inc. Lease Name: JS Well #: 1-12
 Sec. 12 Twp. 15 S. R. 12 East West County: Russell

INSTRUCTIONS: Show important tops and base 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. Attach complete copy of all Electric Wire-line Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Electric Log Run <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Submitted Electronically <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(If no, Submit Copy)</i> List All E. Logs Run: Attached	<input checked="" type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample Name Top Datum Attached Attached Attached
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CASING RECORD <input checked="" 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
SURFACE	12.25	8.625	24	755	A-CON	175	
SURFACE - CONT	12.25	8.625	24	755	COMMON	175	
PRODUCTION	7.875	5.5	14	3469	COMMON	150	2%Gel,3% CC,1/4#CF

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	-			

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
4	3087 - 3091'	1000 gal 28% Acid	

TUBING RECORD: Size: <u>2.375</u> Set At: <u>3438</u> Packer At: _____		Liner Run: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
Date of First, Resumed Production, SWD or ENHR. <u>05/08/2012</u>	Producing Method: <input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> 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 checked="" 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 (Specify) _____	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	L. D. Drilling, Inc.
Well Name	J S 1-12
Doc ID	1088206

All Electric Logs Run

BOREHOLE COMPENSATED SONIC LOG
DUAL COMPENSATED POROSITY LOG
DUAL INDUCTION LOG
MICRORESISTIVITY LOG

Form	ACO1 - Well Completion
Operator	L. D. Drilling, Inc.
Well Name	J S 1-12
Doc ID	1088206

Tops

name	Top	Depth
TOPEKA	2630	-778
HEEBNER	2910	-1058
TORONTO	2926	-1074
DOUGLAS	2940	-1088
BROWN LIME	2998	-1146
LANSING	3011	-1159
BASE KANSAS CITY	3275	-1423
ARBUCKLE	3351	-1499
REAGAN SAND	3334	-1482



BASIC
ENERGY SERVICES
PRESSURE PUMPING & WIRELINE

10244 NE Hwy. 61
P.O. Box 8613
Pratt, Kansas 67124
Phone 620-672-1201

FIELD SERVICE TICKET

1718 06261 A

DATE _____ TICKET NO. _____

DATE OF JOB 5-2-2012 DISTRICT PRATT, KS.		NEW WELL <input checked="" type="checkbox"/> OLD WELL <input type="checkbox"/> PROD <input type="checkbox"/> INJ <input type="checkbox"/> WDW <input type="checkbox"/> CUSTOMER ORDER NO.:					
CUSTOMER LD DRILLING, INC.		LEASE JS WELL NO. 1-12					
ADDRESS		COUNTY BARTON STATE Ks.					
CITY STATE		SERVICE CREW LESLEY, MARQUEZ, PIERSON					
AUTHORIZED BY		JOB TYPE: CNW - 5 1/2" L.S.					
EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS	TRUCK CALLED 5-2-12 DATE	TIME
37586							PM 6:00
19889-19843						ARRIVED AT JOB	PM 8:00
19832-21010						START OPERATION	PM 10:00
						FINISH OPERATION	PM 11:57
						RELEASED 5-3-12	AM 7:00
						MILES FROM STATION TO WELL	85

CONTRACT CONDITIONS: (This contract must be signed before the job is commenced or merchandise is delivered).

The undersigned is authorized to execute this contract as an agent of the customer. As such, the undersigned agrees and acknowledges that this contract for services, materials, products, and/or supplies includes all of and only those terms and conditions appearing on the front and back of this document. No additional or substitute terms and/or conditions shall become a part of this contract without the written consent of an officer of Basic Energy Services LP.

SIGNED: *[Signature]*
(WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)

ITEM/PRICE REF. NO.	MATERIAL, EQUIPMENT AND SERVICES USED	UNIT	QUANTITY	UNIT PRICE	\$ AMOUNT
CP 100C	COMMON CNT.	SK	150		2,400.00
CP 103	60/40 POZ	SK	30		3,600.00
CC 100	CELL-FLAKE	lb	38		140.00
CC 112	CEMENT FRICTION REDUCER	lb	43		258.00
CC 113	GYP SUM	lb	705		528.75
CC 129	FLA-322	lb	43		322.50
CC 200	CEMENT GEL	lb	282		70.50
CF 103	TOP RUBBER CNT. PLUG, 5 1/2"	EA	1		105.00
CF 251	REGULAR GUIDE SHOE, 5 1/2"	EA	1		250.00
CF 145	FLAPPERTYPE INSERT FLOAT VALVE, 5 1/2"	EA	1		215.00
CF 115	TURBOLIZER, 5 1/2"	EA	6		1,680.00
CC 151	MUD FLUSH	GAL	1000		800.00
E 100	PICKUP MILEAGE	MI	85		361.25
E 101	HEAVY EQUIPMENT MILEAGE	MI	170		1,190.00
E 113	BULK DELIVERY CHARGE	TM	210		1,135.00
CE 204	DEPTH CHARGE: 300'-4000'	HR	1-4		2,160.00
CE 240	BLENDING SERVICE CHARGE	SK	180		552.00
CE 504	PLUG CONTAINER CHARGE	JOB	1		250.00
S 003	SERVICE SUPERVISOR	EA	1		175.00
SUB TOTAL					9,238.75

CHEMICAL / ACID DATA			

SERVICE & EQUIPMENT	%TAX ON \$	
MATERIALS	%TAX ON \$	
TOTAL		

SERVICE REPRESENTATIVE: *[Signature]* THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY: *[Signature]*
(WELL OWNER OPERATOR CONTRACTOR OR AGENT)

FIELD SERVICE ORDER NO. _____

BASIC

energy services, L.P.

TREATMENT REPORT

Customer: LD DRILLING, INC.	Lease No.	Date: 5-2-2012
Lease: JS	Well #: 1-12	
Field Order #: 06201	Station: PRATT, KS.	Casing: 5 1/2"
Type Job: CNW-5 1/2" L.S.	Depth:	County: BARTON
	Formation: TD-3525'	State: KS.
		Legal Description: 12-15-12

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size: 5 1/2" KH	Tubing Size	Shots/Ft	CMT-	Acid: 150SKS AA-2	RATE	PRESS	ISIP	
Depth: 9.59'	Depth	From	To	Pre Pad: @ 1.3700 FT³	Max		5 Min.	
Volume	Volume	From	To	Pad	Min		10 Min.	
Max Press: 1500	Max Press	From	To	Frac	Avg		15 Min.	
Well Connection: P.C.	Annulus Vol.	From	To		HHP Used		Annulus Pressure	
Plug Depth: 3107.78'	Packer Depth	From	To	Flush: 84.2 BBL	Gas Volume		Total Load	

Customer Representative: **LD DAVIS** Station Manager: **D. SCOTT** Treater: **K. LESLEY**

Service Units	37526	19889	19843	19832	21010				
Driver Names	LESLEY	MARQUEZ		PIERSON					

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
8:00PM					ON LOCATION - SAFETY MEETING
8:30PM					RUN 82 JTS. 5 1/2" x 14" CSG.
?					TURBO. - 1, 5, 7, 9, 11, 13
10:00PM					CSG. ON BOTTOM
10:05PM					HOOK UP TO CSG. / BREAK CIRC. W/ RIG
11:18PM	300		5	4	H ₂ O AHEAD
11:13PM	300		24	5	MUD FLUSH
11:18PM	300		5	5	H ₂ O SPACER
11:19PM	300		36.5	5	MIX 150SKS. AA-2 @ 15.0 PPG
11:25PM					CLEAR PUMP & LINE / DROP T.R. PLUG
11:30PM	0		0	7	START DISPLACEMENT
11:36PM	400		58	5	LIFT PRESSURE
11:38PM	500		74	3	SLOW RATE
11:45PM	1000		84.2	2	PLUG DOWN - DIDN'T HOLD
11:47PM	1000		1	2	PST UP ON PLUG - DIDN'T HOLD
11:55PM	800		1	2	BUMP PLUG DOWN - CLOSE IN AT HEAD
					CIRC. THRO JOB
					PLUG R.H. & WASH UP TRUCK
1:00AM					CHECK CMT. - TAKE OFF HEAD & MANIFOLD
					JOB COMPLETE,
					THANKS -
					KEVEN LESLEY



DIAMOND TESTING
 P.O. Box 157
 HOISINGTON, KANSAS 67544
 (800) 542-7313
DRILL-STEM TEST TICKET
 FILE: JS1-12DST1

TIME ON: 03:31:00
 TIME OFF: 09:14:00

Company LD Drilling Inc Lease & Well No. JS #1-12
 Contractor Petromark Rig #2 Charge to LD Drilling Inc.
 Elevation 1846 est Formation Platsmouth (Topeka) Effective Pay _____ Ft. Ticket No. S0137
 Date 4-29-12 Sec. 12 Twp. _____ 15 S Range _____ 12 W County Russell State KANSAS
 Test Approved By Josh Austin Diamond Representative Jacob McCallie

Formation Test No. 1 Interval Tested from 2850 ft. to 2890 ft. Total Depth 2890 ft.
 Packer Depth 2845 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
 Packer Depth 2850 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.

Depth of Selective Zone Set _____
 Top Recorder Depth (Inside) 2838 ft. Recorder Number 30035 Cap. 10000 P.S.I.
 Bottom Recorder Depth (Outside) 2887 ft. Recorder Number 3851 Cap. 5,700 P.S.I.
 Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.
 Mud Type Chem Viscosity 46 Drill Collar Length 119 ft. I.D. 2 1/4 in.
 Weight 8.6 Water Loss 8.8 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.
 Chlorides 1,200 P.P.M. Drill Pipe Length 2705 ft. I.D. 3 1/2 in.
 Jars: Make STERLING Serial Number N/A Test Tool Length 26 ft. Tool Size 3 1/2-IF in.
 Did Well Flow? NO Reversed Out NO Anchor Length 40 ft. Size 4 1/2-FH in.
 Main Hole Size 7 7/8 Tool Joint Size 4 1/2 XH in. Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: 1/4" Blow- Built to 3" in 30 min NOBB
 2nd Open: WSB- Built to 2" in 30 min NOBB

Recovered 110 ft. of Watery Mud 45% WTR 55% Mud
 Recovered 110 ft. of TOTAL FLUID
 Recovered _____ ft. of _____
 Recovered _____ ft. of Ph: 8
 Recovered _____ ft. of RW: .75 @ 50 degrees F Price Job _____
 Recovered _____ ft. of Chlorides: 13,000 ppm Other Charges _____
 Remarks: _____ Insurance _____
 TOOL SAMPLE: 60% WTR 40% MUD Total _____

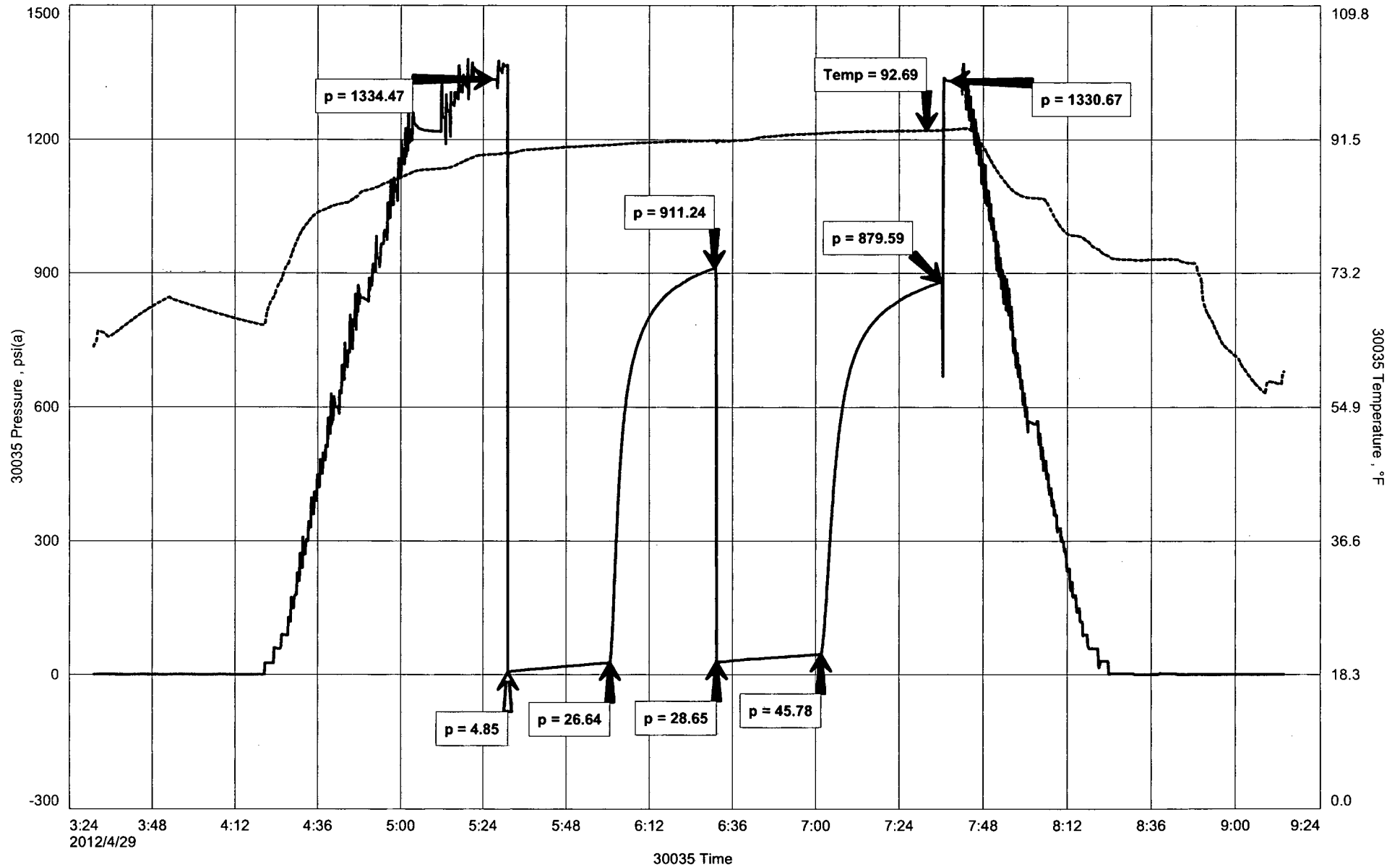
Time Set Packer(s) 5:31 AM ^{A.M.}/_{P.M.} Time Started Off Bottom 7:31 AM ^{A.M.}/_{P.M.} Maximum Temperature 93
 Initial Hydrostatic Pressure..... (A) 1334 P.S.I.
 Initial Flow Period..... Minutes 30 (B) 5 P.S.I. to (C) 27 P.S.I.
 Initial Closed In Period..... Minutes 30 (D) 911 P.S.I.
 Final Flow Period..... Minutes 30 (E) 29 P.S.I. to (F) 46 P.S.I.
 Final Closed In Period..... Minutes 30 (G) 880 P.S.I.
 Final Hydrostatic Pressure..... (H) 1331 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.

LD Drilling Inc
DST #1 Platsmouth (Topeka) 2850-2890'
Start Test Date: 2012/04/29
Final Test Date: 2012/04/29

JS #1-12
Formation: DST #1 Platsmouth (Topeka) 2850-2890'
Pool: Wildcat
Job Number: S0137

JS #1-12



Diamond Testing

General information Report

General Information

Company Name LD Drilling Inc

Contact	LD Davis	Job Number	S0137
Well Name	JS #1-12	Representative	Jacob McCallie
Unique Well ID	DST #1 Platsmouth (Topeka) 2850-2890'	Well Operator	LD Drilling Inc
Surface Location	SEC 12-15S-12W Russell KS	Report Date	2012/04/29
Well License Number		Prepared By	Jacob McCallie
Field	Wildcat		
Well Type	Vertical		

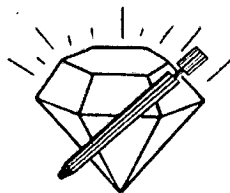
Test Type	Drill Stem Test		
Formation	DST #1 Platsmouth (Topeka) 2850-2890'	Start Test Time	03:31:00
Well Fluid Type	06 Water	Final Test Time	09:14:00
Start Test Date	2012/04/29		
Final Test Date	2012/04/29		
Gauge Name	30035		
Gauge Serial Number			

Test Results

RECOVERED:
110' Watery Mud 45% WTR 55% MUD
110' TOTAL FLUID

Ph: 8
RW: .75 @ 50 degrees F
CHLORIDES: 13,000 PPM

TOOL SAMPLE:
60% WTR 40% MUD



DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313
DRILL-STEM TEST TICKET
FILE: JS1-12DST2

TIME ON: 18:36:00

TIME OFF: 23:57:00

Company LD Drilling Inc Lease & Well No. JS #1-12
Contractor Petromark Rig #2 Charge to LD Drilling Inc.
Elevation 1846 est Formation Lansing A-C Effective Pay _____ Ft. Ticket No. S0138
Date 4-29-12 Sec. 12 Twp. 15 S Range 12 W County Russell State KANSAS
Test Approved By Josh Austin Diamond Representative Jacob McCallie

Formation Test No. 2 Interval Tested from 3004 ft. to 3055 ft. Total Depth 3055 ft.
Packer Depth 2999 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
Packer Depth 3004 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.

Depth of Selective Zone Set _____
Top Recorder Depth (Inside) 2992 ft. Recorder Number 30035 Cap. 10000 P.S.I.
Bottom Recorder Depth (Outside) 3052 ft. Recorder Number 3851 Cap. 5,700 P.S.I.
Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.
Mud Type Chem Viscosity 52 Drill Collar Length 119 ft. I.D. 2 1/4 in.
Weight 9.0 Water Loss 9.2 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.
Chlorides 4,000 P.P.M. Drill Pipe Length 2859 ft. I.D. 3 1/2 in.
Jars: Make STERLING Serial Number N/A Test Tool Length 26 ft. Tool Size 3 1/2-IF in.
Did Well Flow? NO Reversed Out NO Anchor Length 51 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: WSB- No Build NOBB
2nd Open: WSB- No Build NOBB

Recovered 8 ft. of Slightly Oil Specked Mud 100% MUD
Recovered 8 ft. of TOTAL FLUID
Recovered _____ ft. of _____
Recovered _____ ft. of _____
Recovered _____ ft. of _____
Recovered _____ ft. of _____
Recovered _____ ft. of _____
Remarks: _____
TOOL SAMPLE: 100% MUD

Time Set Packer(s) 8:17 PM ^{A.M.}/_{P.M.} Time Started Off Bottom 10:17 PM ^{A.M.}/_{P.M.} Maximum Temperature 94

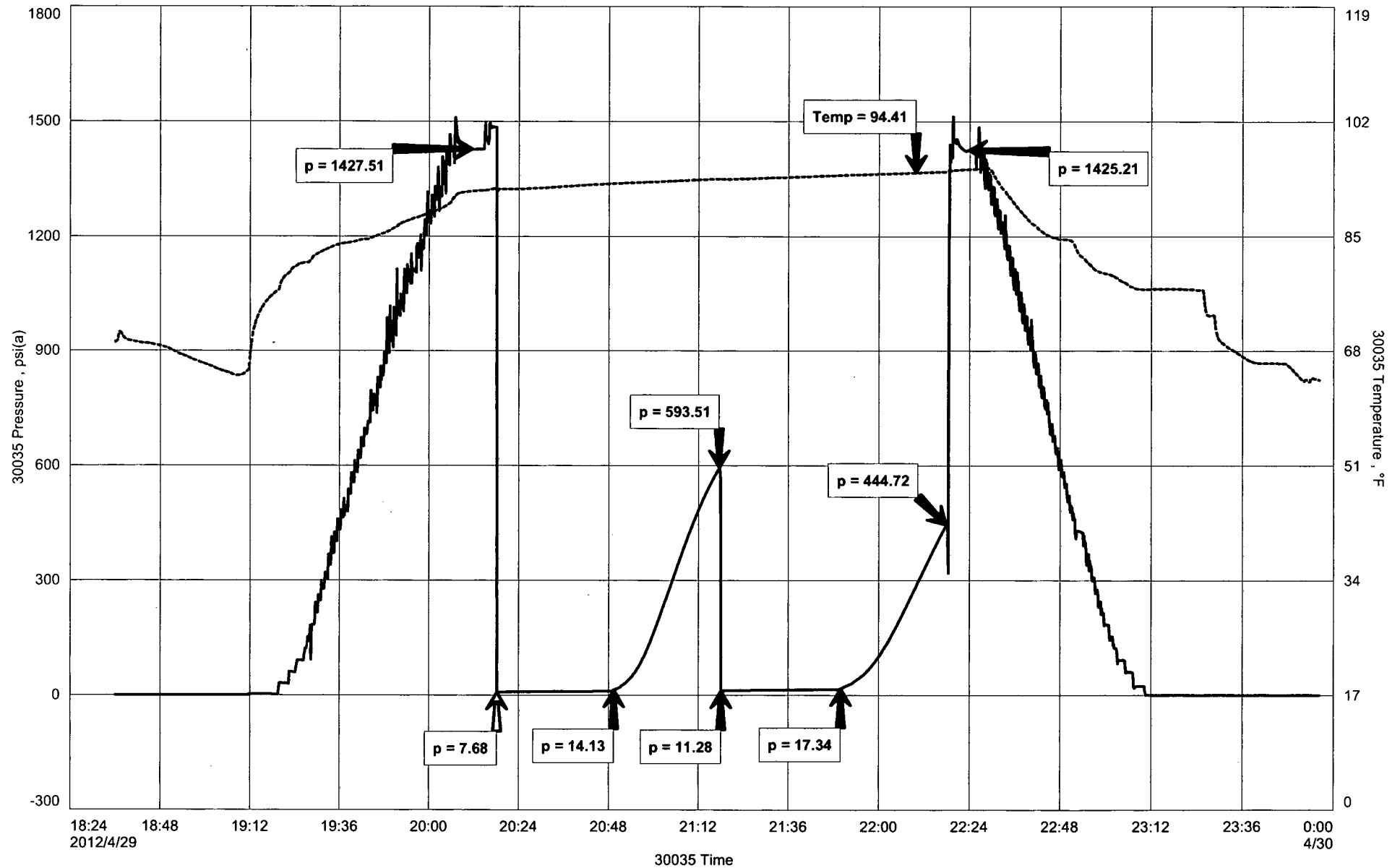
Initial Hydrostatic Pressure..... (A) 1428 P.S.I.
Initial Flow Period..... Minutes 30 (B) 8 P.S.I. to (C) 14 P.S.I.
Initial Closed In Period..... Minutes 30 (D) 594 P.S.I.
Final Flow Period..... Minutes 30 (E) 11 P.S.I. to (F) 17 P.S.I.
Final Closed In Period..... Minutes 30 (G) 445 P.S.I.
Final Hydrostatic Pressure..... (H) 1425 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.

LD Drilling Inc.
DST #2 Lansing A-C 3004-3055'
Start Test Date: 2012/04/29
Final Test Date: 2012/04/29

JS #1-12
Formation: DST #2 Lansing A-C 3004-3055'
Pool: Wildcat
Job Number: S0138

JS #1-12



Diamond Testing

General information Report

General Information

Company Name LD Drilling Inc.

Contact	LD Davis	Job Number	S0138
Well Name	JS #1-12	Representative	Jacob McCallie
Unique Well ID	DST #2 Lansing A-C 3004-3055'	Well Operator	LD Drilling Inc
Surface Location	SEC 12-15S-12W Russell County	Report Date	2012/04/29
Well License Number		Prepared By	Jacob McCallie
Field	Wildcat		
Well Type	Vertical		

Test Type	Drill Stem Test		
Formation	DST #2 Lansing A-C 3004-3055'		
Well Fluid Type	01 Oil	Start Test Time	18:36:00
		Final Test Time	23:57:00
Start Test Date	2012/04/29		
Final Test Date	2012/04/29		
Gauge Name	30035		
Gauge Serial Number			

Test Results

RECOVERED:

8'	Slightly Oil Specked Mud	100% MUD
8'	TOTAL FLUID	

TOOL SAMPLE:

100% MUD



DIAMOND TESTING
 P.O. Box 157
 HOISINGTON, KANSAS 67544
 (800) 542-7313
DRILL-STEM TEST TICKET
 FILE: JS1-12DST3

TIME ON: 05:23:00
 TIME OFF: 12:10:00

Company LD Drilling Inc Lease & Well No. JS #1-12
 Contractor Petromark Rig #2 Charge to LD Drilling Inc.
 Elevation 1846 est Formation Lansing D-F Effective Pay _____ Ft. Ticket No. S0139
 Date 4-30-12 Sec. 12 Twp. 15 S Range 12 W County Russell State KANSAS
 Test Approved By Josh Austin Diamond Representative Jacob McCallie

Formation Test No. 3 Interval Tested from 3056 ft. to 3090 ft. Total Depth 3090 ft.
 Packer Depth 3051 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
 Packer Depth 3056 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.

Depth of Selective Zone Set _____
 Top Recorder Depth (Inside) 3044 ft. Recorder Number 30035 Cap. 10000 P.S.I.
 Bottom Recorder Depth (Outside) 3087 ft. Recorder Number 3851 Cap. 5,700 P.S.I.
 Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.
 Mud Type Chem Viscosity 52 Drill Collar Length 119 ft. I.D. 2 1/4 in.
 Weight 9.0 Water Loss 9.2 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.
 Chlorides 4,000 P.P.M. Drill Pipe Length 2911 ft. I.D. 3 1/2 in.
 Jars: Make STERLING Serial Number N/A Test Tool Length 26 ft. Tool Size 3 1/2-IF in.
 Did Well Flow? NO Reversed Out NO Anchor Length 34 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: 1/4" Blow- Built to BB in 15 min NOBB
 2nd Open: 1/4" Blow- Built to BB in 7 min 1" BB

Recovered 441 ft. of GIP
 Recovered 60 ft. of GC Oily Mud 2% GAS 30% OIL 68% MUD
 Recovered 120 ft. of GC Muddy OIL 12% GAS 63% OIL 25% MUD
 Recovered 180 ft. of TOTAL FLUID

Recovered _____ ft. of _____	Price Job
Recovered _____ ft. of _____	Other Charges
Remarks: _____	Insurance
TOOL SAMPLE: 8% GAS 64% OIL 28% MUD	Total

Time Set Packer(s) 7:02 AM ^{A.M.}/_{P.M.} Time Started Off Bottom 10:02 AM ^{A.M.}/_{P.M.} Maximum Temperature 96

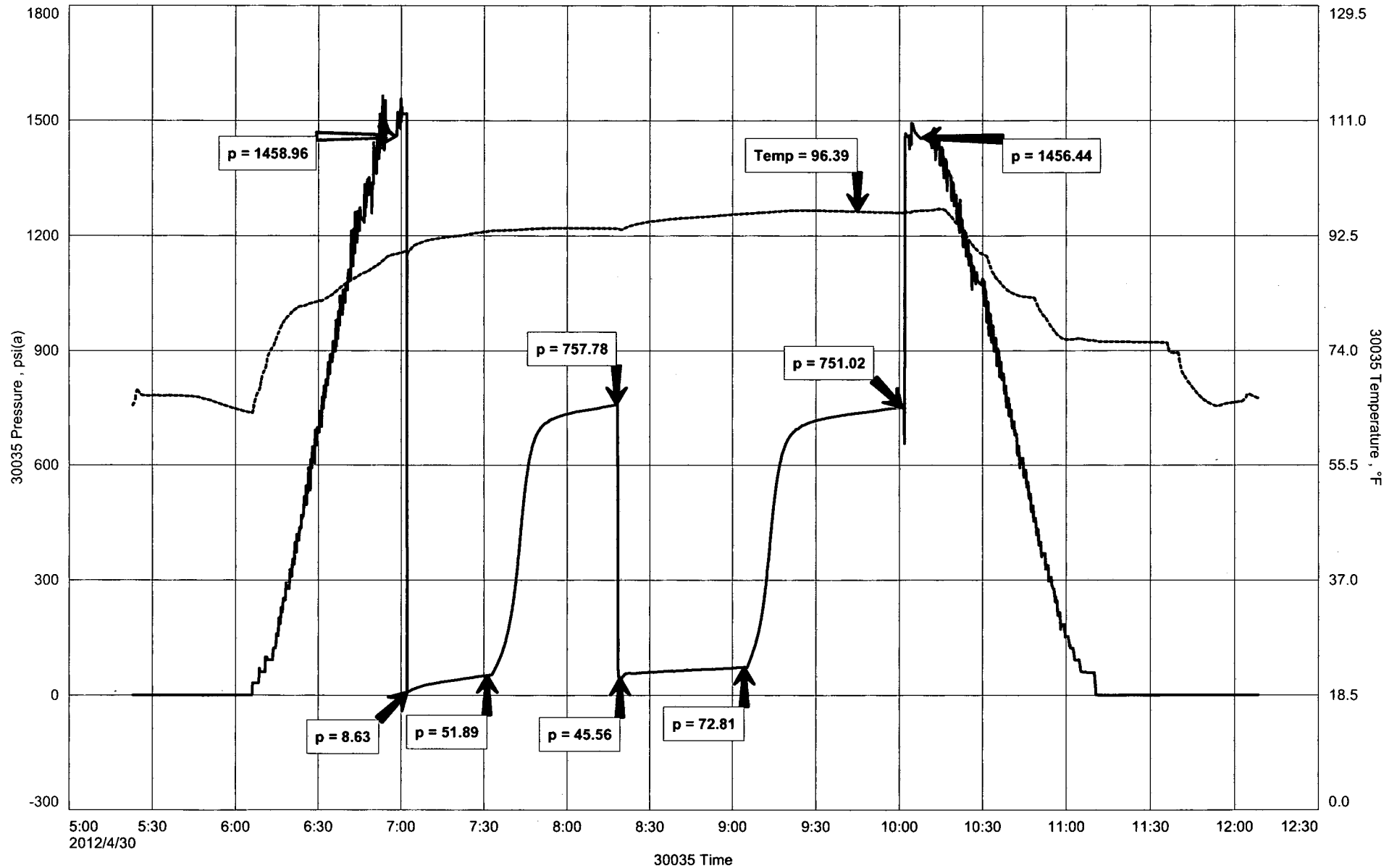
Initial Hydrostatic Pressure..... (A) 1459 P.S.I.
 Initial Flow Period..... Minutes 30 (B) 9 P.S.I. to (C) 52 P.S.I.
 Initial Closed In Period..... Minutes 45 (D) 758 P.S.I.
 Final Flow Period..... Minutes 45 (E) 46 P.S.I. to (F) 73 P.S.I.
 Final Closed In Period..... Minutes 60 (G) 751 P.S.I.
 Final Hydrostatic Pressure..... (H) 1456 P.S.I.

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LD Drilling Inc
DST #3 Lansing D-F 3056-3090'
Start Test Date: 2012/04/30
Final Test Date: 2012/04/30

JS #1-12
Formation: DST #3 Lansing D-F 3056-3090'
Pool: Wildcat
Job Number: S0139

JS #1-12



Diamond Testing

General information Report

General Information

Company Name LD Drilling Inc

Contact	LD Davis	Job Number	S0139
Well Name	JS #1-12	Representative	Jacob McCallie
Unique Well ID	DST #3 Lansing D-F 3056-3090'	Well Operator	LD Drilling Inc
Surface Location	SEC 12-15S-12W Russell County	Report Date	2012/04/30
Well License Number		Prepared By	Jacob McCallie
Field	Wildcat		
Well Type	Vertical		

Test Type	Drill Stem Test		
Formation	DST #3 Lansing D-F 3056-3090'	Start Test Time	05:23:00
Well Fluid Type	01 Oil	Final Test Time	12:10:00
Start Test Date	2012/04/30		
Final Test Date	2012/04/30		
Gauge Name	30035		
Gauge Serial Number			

Test Results

RECOVERED:

441'	GIP		
60'	GC Oily Mud	2% GAS	30% OIL 68% MUD
120'	GC Muddy Oil	12% GAS	63% Oil 25% MUD
180'	TOTAL FLUID		

TOOL SAMPLE:

8% GAS 64% Oil 28% MUD



DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313
DRILL-STEM TEST TICKET
FILE: JS1-12DST4

TIME ON: 00:36:00
TIME OFF: 07:26:00

Company LD Drilling Inc Lease & Well No. JS #1-12
Contractor Petromark Rig #2 Charge to LD Drilling Inc.
Elevation 1846 est Formation Lansing H-J Effective Pay _____ Ft. Ticket No. S0140
Date 5-1-12 Sec. 12 Twp. 15 S Range 12 W County Russell State KANSAS
Test Approved By Josh Austin Diamond Representative Jacob McCallie

Formation Test No. 4 Interval Tested from 3144 ft. to 3215 ft. Total Depth 3215 ft.
Packer Depth 3139 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
Packer Depth 3144 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.

Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 3132 ft. Recorder Number 30035 Cap. 10000 P.S.I.
Bottom Recorder Depth (Outside) 3212 ft. Recorder Number 3851 Cap. 5,700 P.S.I.
Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.

Mud Type Chem Viscosity 55 Drill Collar Length 119 ft. I.D. 2 1/4 in.

Weight 9.4 Water Loss 9.2 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.

Chlorides 5,000 P.P.M. Drill Pipe Length 2999 ft. I.D. 3 1/2 in.

Jars: Make STERLING Serial Number N/A Test Tool Length 26 ft. Tool Size 3 1/2-IF in.

Did Well Flow? NO Reversed Out NO Anchor Length 71 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: 1/4" Blow- Built to 3 3/4" in 30 min NOBB

2nd Open: WSB- Built to 3 1/2" in 45 min NOBB

Recovered 128 ft. of Oil Specked Mud 1% OIL 99% MUD

Recovered 128 ft. of TOTAL FLUID

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Remarks: _____

Price Job
Other Charges
Insurance
Total

TOOL SAMPLE: 2% OIL 98% MUD

Time Set Packer(s) 2:26 AM ^{A.M.}/_{P.M.} Time Started Off Bottom 5:26 AM ^{A.M.}/_{P.M.} Maximum Temperature 97

Initial Hydrostatic Pressure..... (A) 1520 P.S.I.

Initial Flow Period..... Minutes 30 (B) 9 P.S.I. to (C) 38 P.S.I.

Initial Closed In Period..... Minutes 45 (D) 821 P.S.I.

Final Flow Period..... Minutes 45 (E) 40 P.S.I. to (F) 69 P.S.I.

Final Closed In Period..... Minutes 60 (G) 793 P.S.I.

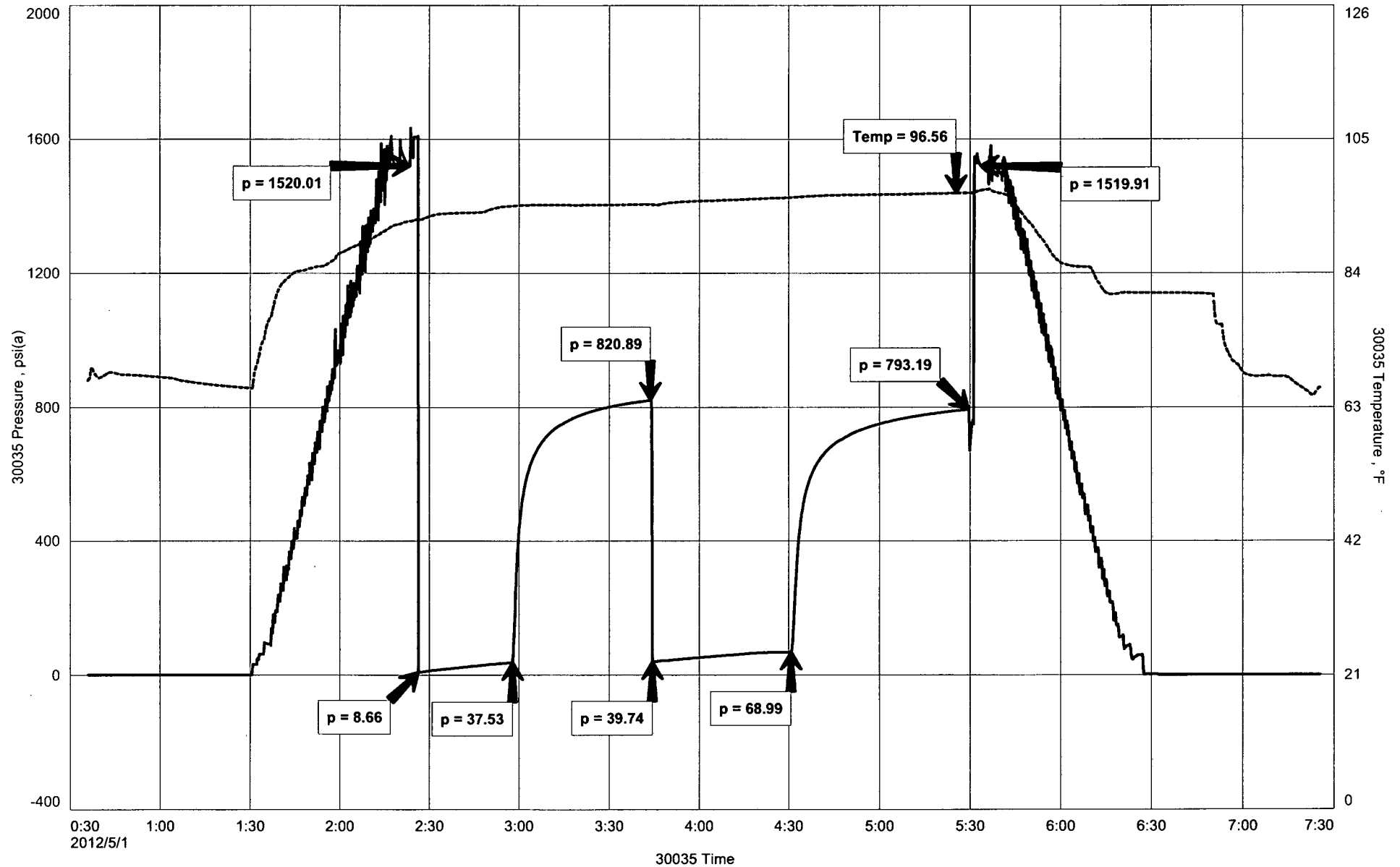
Final Hydrostatic Pressure..... (H) 1520 P.S.I.

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LD Drilling Inc
DST #4 Lansing "H-J" 3144-3215'
Start Test Date: 2012/05/01
Final Test Date: 2012/05/01

JS #1-12
Formation: DST #4 Lansing "H-J" 3144-3215'
Pool: Wildcat
Job Number: S0140

JS #1-12



Diamond Testing

General information Report

General Information

Company Name LD Drilling Inc

Contact	LD Davis	Job Number	S0140
Well Name	JS #1-12	Representative	Jacob McCallie
Unique Well ID	DST #4 Lansing "H-J" 3144-3215'	Well Operator	LD Drilling Inc
Surface Location	SEC 12-15S-12W Russell County	Report Date	2012/05/01
Well License Number		Prepared By	Jacob McCallie
Field	Wildcat		
Well Type	Vertical		

Test Type	Drill Stem Test		
Formation	DST #4 Lansing "H-J" 3144-3215'		
Well Fluid Type	06 Water	Start Test Time	00:36:00
		Final Test Time	07:26:00
Start Test Date	2012/05/01		
Final Test Date	2012/05/01		
Gauge Name	30035		
Gauge Serial Number			

Test Results

RECOVERED:
128' Oil Specked Mud 1% OIL 99% MUD
128' TOTAL FLUID

TOOL SAMPLE:
2% OIL 98% MUD



DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313
DRILL-STEM TEST TICKET
FILE: JS1-12DST5

TIME ON: 17:39:00 5-1
TIME OFF: 01:20:00 5-2

Company LD Drilling Inc Lease & Well No. JS #1-12
Contractor Petromark Rig #2 Charge to LD Drilling Inc.
Elevation 1846 est Formation Arbuckle Effective Pay _____ Ft. Ticket No. S0141
Date 5-1-12 Sec. 12 Twp. _____ 15 S Range _____ 12 W County _____ Russell State KANSAS
Test Approved By Josh Austin Diamond Representative Jacob McCallie

Formation Test No. 5 Interval Tested from 3273 ft. to 3353 ft. Total Depth 3353 ft.
Packer Depth 3268 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
Packer Depth 3273 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.

Depth of Selective Zone Set _____
Top Recorder Depth (Inside) 3261 ft. Recorder Number 30035 Cap. 10000 P.S.I.
Bottom Recorder Depth (Outside) 3350 ft. Recorder Number 3851 Cap. 5,700 P.S.I.
Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.
Mud Type Chem Viscosity 68 Drill Collar Length 119 ft. I.D. 2 1/4 in.
Weight 8.6 Water Loss 9.6 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.
Chlorides 6,000 P.P.M. Drill Pipe Length 3128 ft. I.D. 3 1/2 in.
Jars: Make STERLING Serial Number N/A Test Tool Length 26 ft. Tool Size 3 1/2-IF in.
Did Well Flow? NO Reversed Out NO Anchor Length 80 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: 1" Blow- Built to BB in 13 1/2 min **NOBB**
2nd Open: 3/4" Blow- Built to 10" in 45 min **NOBB**

Recovered 296 ft. of Watery Mud 35% WTR 65% MUD
Recovered 296 ft. of TOTAL FLUID
Recovered _____ ft. of _____
Recovered _____ ft. of Ph: 8
Recovered _____ ft. of RW: .8 @ 70 degrees F
Recovered _____ ft. of Chlorides: 11,000 ppm
Remarks: _____

TOOL SAMPLE: 42% WTR 58% MUD Total _____

Time Set Packer(s) 7:21 PM ^{A.M.}/_{P.M.} Time Started Off Bottom 10:21 PM ^{A.M.}/_{P.M.} Maximum Temperature 101

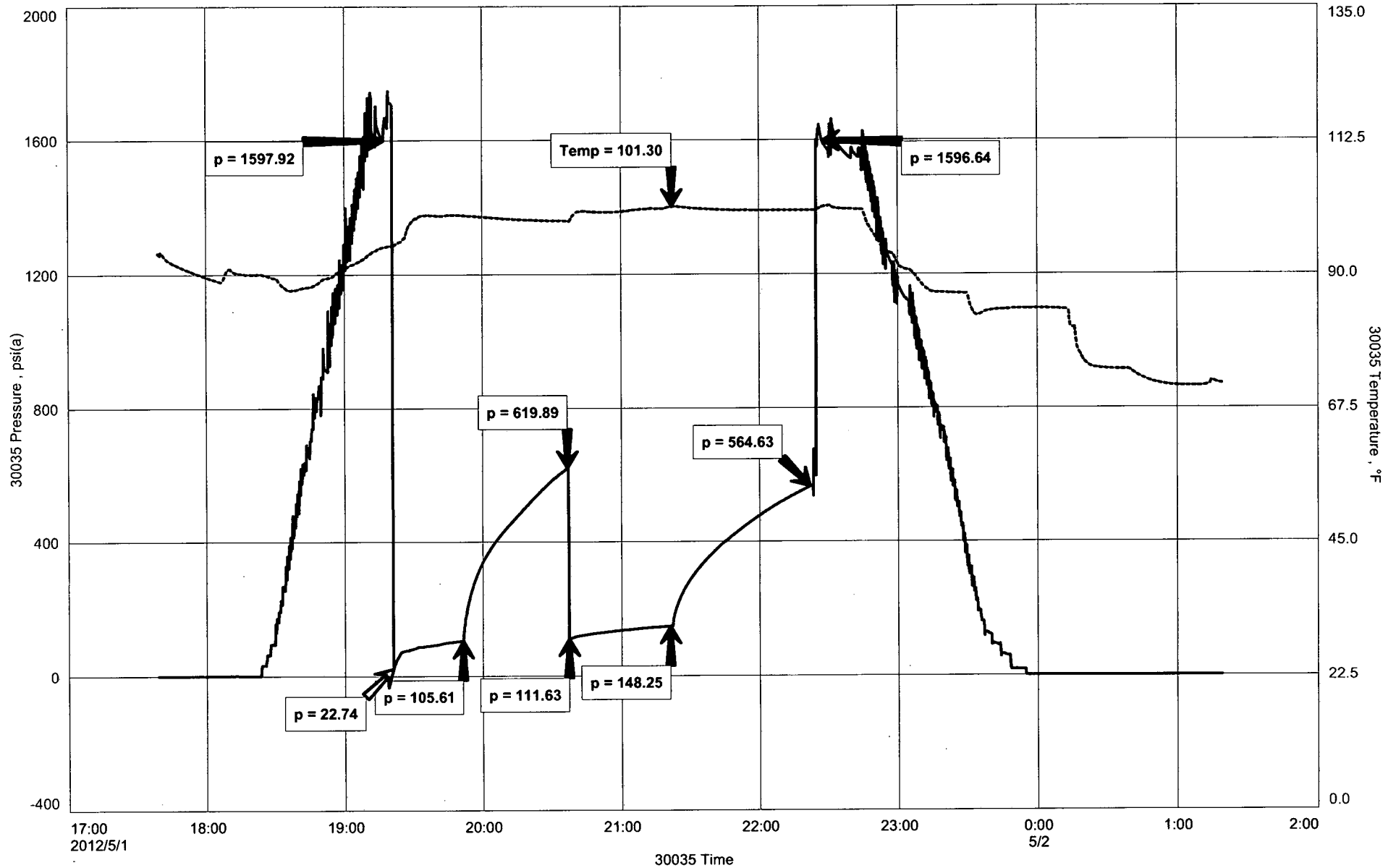
Initial Hydrostatic Pressure..... (A) 1598 P.S.I.
Initial Flow Period..... Minutes 30 (B) 23 P.S.I. to (C) 106 P.S.I.
Initial Closed In Period..... Minutes 45 (D) 620 P.S.I.
Final Flow Period..... Minutes 45 (E) 112 P.S.I. to (F) 148 P.S.I.
Final Closed In Period..... Minutes 60 (G) 565 P.S.I.
Final Hydrostatic Pressure..... (H) 1597 P.S.I.

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LD Drilling Inc
DST #5 Arbuckle 3273-3353'
Start Test Date: 2012/05/01
Final Test Date: 2012/05/02

JS #1-12
Formation: DST #5 Arbuckle 3273-3353'
Pool: Wildcat
Job Number: S0141

JS #1-12



Diamond Testing

General information Report

General Information

Company Name LD Drilling Inc

Contact	LD Davis	Job Number	S0141
Well Name	JS #1-12	Representative	Jacob McCallie
Unique Well ID	DST #5 Arbuckle 3273-3353'	Well Operator	LD Drilling Inc
Surface Location	SEC 12-15S-12W Russell County	Report Date	2012/05/02
Well License Number		Prepared By	Jacob McCallie
Field	Wildcat		
Well Type	Vertical		

Test Type	Drill Stem Test		
Formation	DST #5 Arbuckle 3273-3353'		
Well Fluid Type	06 Water	Start Test Time	17:39:00
		Final Test Time	01:20:00
Start Test Date	2012/05/01		
Final Test Date	2012/05/02		
Gauge Name	30035		
Gauge Serial Number			

Test Results

RECOVERED:
296' Watery Mud 35% WTR 65% MUD
296' TOTAL FLUID

Ph: 8
RW: .8 @ 70 degrees F
Chlorides: 11,000 ppm

TOOL SAMPLE:
42% WTR 58% MUD

OPERATOR

Company: L.D. Drilling, Inc.
Address: 7 SW 26th AVE
Great Bend, KS 67530

Contact Geologist:
Contact Phone Nbr: 620-793-3051
Well Name: JS #1-12
Location: 8 5/8" @ 755'
Pool:
State: Kansas, Russell Co.

API: 15-167-23797-00-00
Field: Wildcat
Country: USA



Musgrove

PETROLEUM CORPORATION
Clafin, Kansas

Scale 1:240 Imperial

Well Name: JS #1-12
Surface Location: 8 5/8" @ 755'
Bottom Location:
API: 15-167-23797-00-00
License Number:
Spud Date: 4/25/2012 Time: 3:34 PM
Region: NW-NE-SE-SW 12-15s-12w
Drilling Completed: 5/2/2012 Time: 5:50 PM
Surface Coordinates: 1190' From South Line & 2175' From West Line
Bottom Hole Coordinates:
Ground Elevation: 1847.00ft
K.B. Elevation: 1852.00ft
Logged Interval: 2600.00ft To: 3470.00ft
Total Depth: 3470.00ft
Formation: Lansing
Drilling Fluid Type: Chemical Mud was displaced at 2600'

SURFACE CO-ORDINATES

Well Type: Vertical
Longitude:
N/S Co-ord: 1190' From South Line
E/W Co-ord: 2175' From West Line
Latitude:

LOGGED BY

Company: Musgrove Petroleum Corp.
Address: 212 Main St.
Clafin, KS 67525
Phone Nbr: 620-546-3960
Logged By: Geologist Name: Josh Austin

CONTRACTOR

Contractor: Petromark Drilling LLC
Rig #: 2
Rig Type: mud rotary
Spud Date: 4/25/2012 Time: 3:34 PM
TD Date: 5/2/2012 Time: 5:50 PM
Rig Release: Time:

ELEVATIONS

K.B. Elevation: 1852.00ft Ground Elevation: 1847.00ft

K.B. to Ground: 5.00ft

NOTES

On the Basis of the positive drill stem test in the Lansing F zone and after reviewing the electric logs, it was recommended by all parties involved in the JS 1-12 to set and cement 5 1/2" production casing to further test the Kansas City zone.

L.D. Drilling, Inc.

SAMPLE AND LOG TOPS

DRILLING WELL

JS 1-12

1852 RB

Formation	Sample	Sub-Sea	Log	Sub-Sea
Topeka	2633	-781	2630	-778
Heebner	2912	-1060	2910	-1058
Toronto	2929	-1077	2926	-1074
Douglas	2941	-1089	2940	-1088
Brown Lime	3000	-1148	2998	-1146
Lansing	3009	-1157	3011	-1159
Base KC	3277	-1425	3275	-1423
Arbuckle	3347	-1495	3351	-1499
Reagan Sand	3435	-1583	3334	-1482
Total Depth	3470	-1618	3470	-1618

ROCK TYPES



Congl



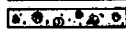
Dolsec



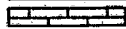
shale, gm



Carbon Sh



Chtcong



Lmst fw7>

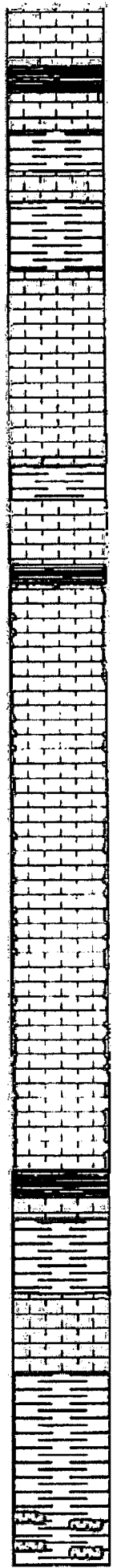
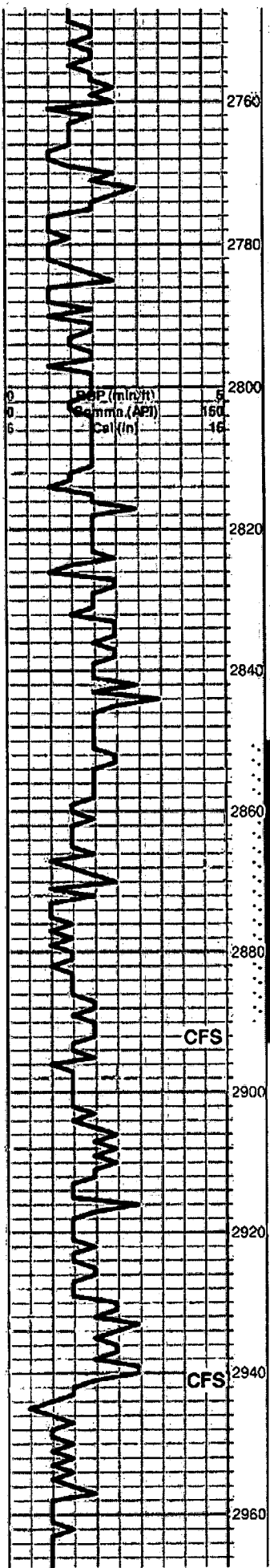


shale, gry



Ss

ACCESSORIES



Black Carboniferous Shale

grey-green shale

Shale; grey-green-maroon

Limestone; cream-lt. grey, white, fine-micro xln, chalky, dense, no visible porosity

grey shale

Black Carboniferous Shale

Limestone; cream-buff, fine xln, chalky, slightly fossiliferous, mottled in part, poor visible porosity, no shows

Limestone; cream-tan-buff, fine-medium xln, slightly sucrosic, dolomitic in part, fair inter xln porosity, brown stain, trace heavy spotty free oil, no odor, trace gas bubbles

Limestone; cream fine xln, fossiliferous, chalky, few scatter porosity, trace brown stain, trace spotty free oil, no odor

CFS

Limestone; tan-cream, fine xln, chalky in part, dense, slightly cherty

HEEBNER 2912 (-1060)
Black Carboniferous Shale

Shale; grey-green

TORONTO 2929 (-1074)
Limestone; cream-white, fine xln, chalky, poor visible porosity, dense, trace brown stain, NSFO, no odor

CFS

DOUGLAS 2941 (-1089)

Shale; grey-green, soft, micaceous in part, slightly silty

Trace Sand; greyish green, very fine grained,

0	Total Gas (units)	100
0	G1 (units)	100
0	G2 (units)	100
0	G3 (units)	100
0	G4 (units)	100

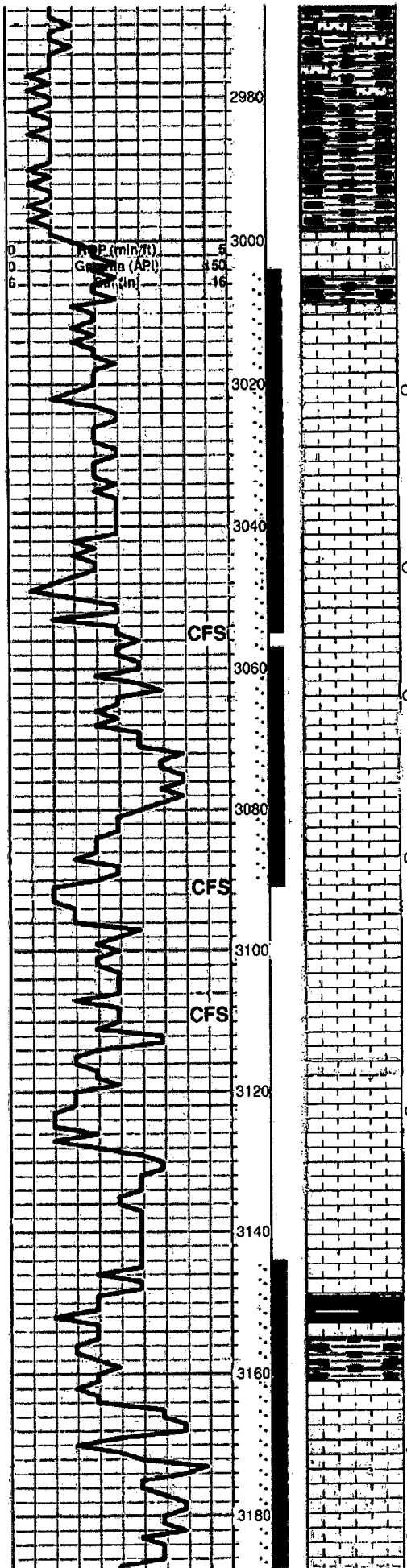
DST #1 2850-2890
30-30-30-30

Blow; built to 3"
Final; Built to 2"
no blow back

Recovery;
110' Watery Mud

Pressures;
ISIP 911
FSIP 880
IFP 5-27
FFP 29-46
HSH 1334-1331

KB 1852



sub rounded, sub angular, friable, micaceous, no shows

Shale and Sand as above

BROWN LIME 3000 (-1148)

Limestone; tan-brown, fine xln, fossiliferous, dense, cherty

LANSING 3009 (-1157)

Limestone; cream-white, fine xln, chalky, slighty fossiliferous, few scattered inter xln-sub oomoldic type porosity, brown-golden brown stain, lt SFO, very faint odor

Limestone; cream, fine xln, fossiliferous, chalky, poor porosity, no shows

Limestone; tan-cream-buff, oomoldic, chalky, good oomoldic type porosity, brown stain, trace free oil, no odor

Limestone; tan-grey, fine xln, fossiliferous, chalky, trace brown-dark brown stain, NSFO

Limestone; cream-grey, highly oolitic in part, poorly developed porosity, no shows

Limestone; cream, chalky, sub oomoldic-oomoldic, fair-good oomoldic porosity, golden brown-brown stain, SFO, good odor

Limestone; cream-lt. grey, fine xln, chalky, fossiliferous/oolitic, few scattered porosity, no shows

Limestone; cream-white, fine xln, chalky, oolitic-oomoldic, fair oomoldoc-oolicastic type porosity, trace brown stain, questionable trace free oil, faint odor

Limestone; cream-buff, fine xln, chalky in part, fossiliferous/oolitic, dense, plus white oolitic, boney Chert

black carboniferous shale

plus black-grey shale

Limestone; tan-cream, fine-medium xln, fossiliferous, fair porosity, trace brown spotty stain, trace free oil, very faint odor

Limestone; cream-lt grey, oolitic in part, chalky, fine-medium xln, few scattered

DST #2 3004-3055
30-30-30-30

Blow; Weak Surface

Recovery;
8' oil specked mud

Pressures;
ISIP 594
FSIP 445
IFP 8-14
FFP 11-17
HSH 1428-1425

DST #3 3056-3090
30-45-45-60

Blow; BOB in 15 min.
Final, BOB in 7 min.
1" blow back

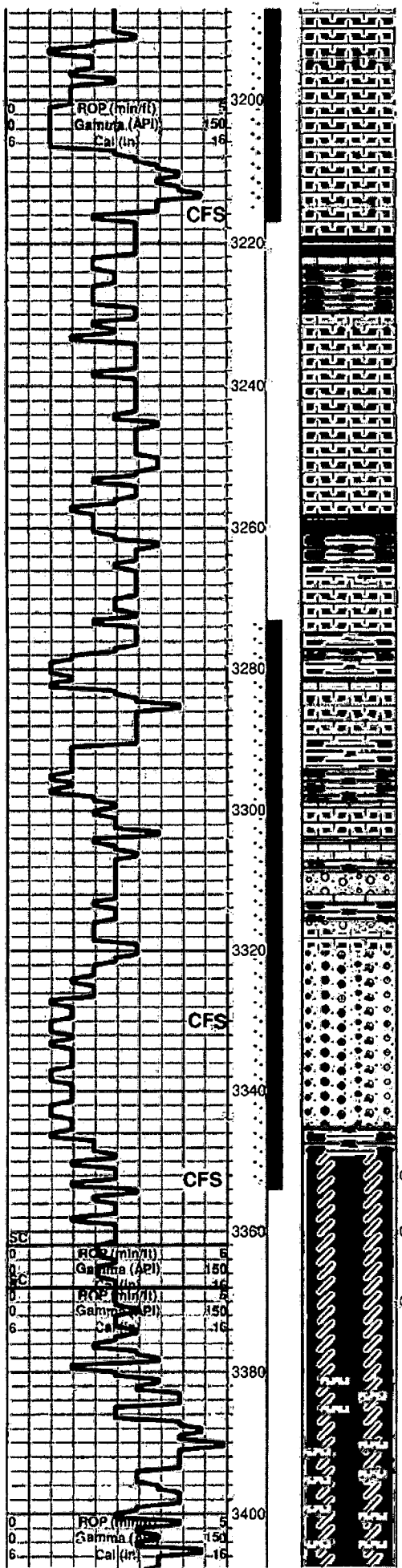
Recovery;
441' GIP
60' GCOM
(2%gas 30%oil 68% mud)
120' GCMO
(12%gas 63%oil 25% mud)

Pressures;
ISIP 758
FSIP 751
IFP 9-52
FFP 46-73
HSH 1459-1456

DST #4 3144-3215
30-45-45-60

Blow; built to 3 3/4"
Final, built to 3 1/2"

Recovery;
128' oil speck mud
71%oil 00% mud



oolitic porosity, brown stain slight SFO faint odor (80% barren)

Limestone; cream-white, chalky, sub oomoldic, fair-good oomoldic porosity, no shows

black carboniferous shale plus grey-green shale

Limestone; cream-lt. grey, micro-fine xln, chalky, dense; poor-no visible porosity, no shows

Limestone; as above plus few loose fossil fragments, slightly cherty, no shows

black carboniferous shale

BASE KANSAS CITY 3277 (-1425)

Grey-greyish green; Shale, silty in part

Limestone; cream-buff, fine xln, dense, slightly fossiliferous-oolitic, chalky in part, no shows
Shale; grey-green-dark grey

Limestone; cream-grey, fine xln, oolitic in part, slightly granular

As above plus Shale; grey-green-brick red

Chert; bright yellow-orange, boney
Chert as above, plus olive-mustard colored, semi tripolitic in part, few oolitic

Chert; yellow-orange-amber, fresh/boney, no shows

ARBUCKLE 3347 (-1495)

Dolomite; ft. grey-white, medium xln, fair inter xln, porosity, trace brown stain, spotty SFO in 40% of wet samples, very faint odor

Dolomite; white-lt. grey, fine-medium xln, dense, slightly cherty, few scattered inter xln porosity, trace brown stain, trace spotty free oil faint odor

Dolomite; white-lt. grey, fine-medium xln, granular/sandy, poorly developed porosity, no shows, cherty in part, plus quartz

Dolomite; cream, fine xln, sucrosic, granular/sandy in part, poor porosity, no shows

(1/2011 33/01100)

Pressures;
 ISIP 821
 FSIP 793
 IFP 9-38
 FFP 40-69
 HSH 1520-1520

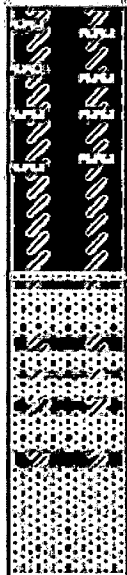
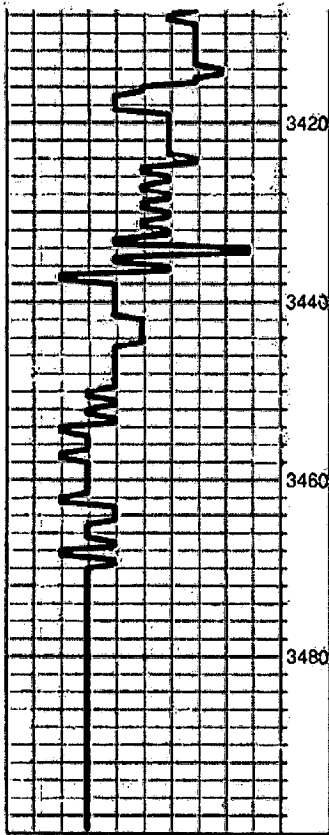
DST #5 3273-3353
 30-45-45-60

Blow; BOB in 13 1/2 minutes
Final; Bullt to 10" no blow back

Recovery;
 296' Watery Mud
 (35% water 65% mud)

Pressures;
 ISIP 620
 FSIP 565
 IFP 23-106
 FFP 112-148
 HSH 1598-1597

	Total Gas (units)	100
0	C1 (units)	100
0	C2 (units)	100
0		100



Dolomite as above

Dolomite; cream-lt. grey, fine xln, sandy/granular no shows

as above plus Sand; cream fine grained, no shows

REAGAN SAND 3435 (-1583)

Sand; cream, fine grained, sub rounded, sub angular, friable, dolomitic in part, fair inter granular porosity, no shows

Sand; cream-clear, fine grained, sub rounded, sub angular, friable, fair inter granular porosity, no shows

ROTARY TOTAL DEPTH 3470 (-1618)

