



KANSAS CORPORATION COMMISSION 1052977
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. DRILLING, INC.
Phone: (620) 793-3051
CONTRACTOR: License # 5929
Name: Duke Drilling Co., Inc.
Wellsite Geologist: KIM SHOEMAKER
Purchaser: NA

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 #: _____

12/31/2010	01/06/2011	01/06/2011
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-009-25507-00-00

Spot Description: _____
NW NE NE Sec. 8 Twp. 19 S. R. 15 East West
330 Feet from North / South Line of Section
990 Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE NW SE SW

County: Barton

Lease Name: MILLER 'CC' Well #: 2

Field Name: OTIS-ALBERT

Producing Formation: NA

Elevation: Ground: 1981 Kelly Bushing: 1998

Total Depth: 3680 Plug Back Total Depth: _____

Amount of Surface Pipe Set and Cemented at: 992 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: 000 bbls

Dewatering method used: Evaporated

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

- Letter of Confidentiality Received
Date: _____
- Confidential Release Date: _____
- Wireline Log Received
- Geologist Report Received
- UIC Distribution
- ALT I II III Approved by: Deanne Garrison Date: 03/30/2011



1052977

Operator Name: L. D. Drilling, Inc. Lease Name: MILLER 'CC' Well #: 2
 Sec. 8 Twp. 19 S. R. 15 East West County: Barton

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 <i>(Attach Additional Sheets)</i>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Name Attached	Top Attached	Datum Attached
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 <i>(If no, Submit Copy)</i>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			

List All E. Logs Run:
 DUAL COMPENSATED POROSITY LOG
 DUAL INDUCTION LOG
 SONIC CEMENT BOND LOG

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	992	A-CON	200	
SURFACE - CONT	12.25	8.625	24	992	COMMON	200	
PRODUCTION-USED	7.875	4.5	10.5	3675	60/40 POZMIX	200	18% Salt, 1.5% CFR, 1/4% CF, 5% G3

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	3622 - 3623'	56 gal 32% Acid	

TUBING RECORD:		Size:	Set At:	Packer At:	Liner Run:	<input type="checkbox"/> Yes <input type="checkbox"/> No
Date of First, Resumed Production, SWD or ENHR.			Producing Method: <input type="checkbox"/> Flowing <input 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 type="checkbox"/> Perf. <input type="checkbox"/> Duality 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	MILLER 'CC' 2
Doc ID	1052977

Tops

Name	Top	Datum
ANHYDRITE	976	+1022
TOPEKA	2977	-979
HEEBNER	3223	-1225
BROWN LIME	3293	-1295
LANSING	3302	-1304
BASE KANSAS CITY	3526	-1528
ARBUCKLE	3602	-1604
REAGAN	3623	-1625

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 02668 A

DATE _____ TICKET NO. _____

DATE OF JOB 12.31.2010 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 MILLER 'CC' WELL NO. 2							
ADDRESS		COUNTY BARTON STATE Ks.							
CITY STATE		SERVICE CREW LESLEY, MATEL, PAYE							
AUTHORIZED BY		JOB TYPE: CNW - 8 5/8 S.P.							
EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS	TRUCK CALLED	DATE	AM	TIME
19870	1								12:30
19803/19805	1								7:30
19835/19862	1								2:30
									3:35
									4:00
						MILES FROM STATION TO WELL	65		

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 101	A-COM BLEND	SK	200		3,600.00	
CP 100	COMMON	SK	200		3,200.00	
CC 102	CELL-FLAKE	lb	100		370.00	
CC 109	CALCIUM CHLORIDE	lb	1128		1,184.40	
CC 200	CEMENT GEL	lb	376		94.00	
CF 105	TOP RUBBER PLUG, 4 3/8"	EA	1		225.00	
E 100	PICKUP MILEAGE	MIL	6.5		276.25	
E 101	HEAVY EQUIPMENT MILEAGE	MIL	130		910.00	
E 113	BULK DELIVERY CHARGE	TTM	1,222		1,955.20	
CE 201	DEPTH CHARGE: 501-1000'	HRS	1.4		1,200.00	
CE 240	BLENDING SERVICE CHARGE	SK	400		560.00	
FE 504	PLUG CONTAINER CHARGE	JOB	1		250.00	
S 003	SERVICE SUPERVISOR	EA	1		175.00	
					SUB TOTAL	9,799.70

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 12-31-2010
Lease MILLER 'CC'	Well # 2	
Field Order # 21003	Station PRATT, KS.	County BARTON State Ks.
Type Job C/W - 8 5/8" S.P.	Casing 5 1/2"	Depth 495'
	Formation	Legal Description A-14-15

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size 8 5/8"	Tubing Size	Shots/Ft	CMT-	And 200 SK H CON	RATE	PRESS	ISIP	
Depth 495'	Depth	From	To	Pre Pad 2.47 cuft	Max		5 Min.	
Volume 60	Volume	From	To	Pad 200 SK COMM	Min		10 Min.	
Max Press 500	Max Press	From	To	Free 1.34 cuft	Avg		15 Min.	
Well Connection	Annulus Vol.	From	To		HHP Used		Annulus Pressure	
Plug Depth 10'	Packer Depth	From	To	Flush 60 BBL	Gas Volume		Total Load	

Customer Representative LD DAVIS	Station Manager D. SCOTT	Treater K. LESLEY			
Service Units	19970	19903	19905	19832	17862
Driver Names	LESLEY	MATTEL	PHYE		

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
7:30 AM					ON LOCATION - SAFETY MEETING
12:15 PM					RUN 13 BITS - 8 5/8" X 21" CCG.
2:15 PM					CCG ON BOTTOM
2:30 PM					HOOK UP TO CCG - BREAK CIRC. W/ RIG
2:31 PM					HOOK UP TO TRUMP TRUCK
2:40 PM	150		5	6	H ₂ O AHEAD
2:55 PM	100		88	6	MIX 200 SK. A-CON @ 12.0" / GAL
3:10 PM	50		48	6	MIX 200 SK. COMM @ 15.0" / GAL
3:15 PM					SHUT DOWN - RELEASE PLUG
3:20 PM	50		0	5	START DISPLACEMENT
3:32 PM	400		52	4	SLOW RATE
3:35 PM	500		62	3	PLUG DOWN - CLOSED IN AT HEAD
					CIRCULATION THRU JOB
					CIRCULATED 10 BBL TO PIT
					JOB COMPLETE,
					THANKS - KEEVEN!



BASICSM
ENERGY SERVICES
PRESSURE PUMPING & WIRELINE

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

FIELD SERVICE TICKET
1718 03164 A

DATE OF JOB: 1-7-11		DISTRICT: KANSAS		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: L. O. Drilling, INC						LEASE: Miller CC						WELL NO.:			
ADDRESS:						COUNTY: Barton 8-19-13						STATE: KS			
CITY:						STATE:						SERVICE CREW: A. Worth			
AUTHORIZED BY:						JOB TYPE: #1/2 L.S.						DATE: 1-7-11			
EQUIPMENT#		HRS		EQUIPMENT#		HRS		EQUIPMENT#		HRS		TRUCK CALLED			
28443 P.O.		2										ARRIVED AT JOB 1-7-11 AM 10:00			
19903-19905		2										START OPERATION 1-7-11 AM 12:00			
19960-19918		2										FINISH OPERATION 1-7-11 AM 4:00			
												RELEASED 1-7-11 AM 4:00			
												MILES FROM STATION TO WELL:			

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: _____
(WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)

ITEM/PRICE REF. NO.	MATERIAL, EQUIPMENT AND SERVICES USED	UNIT	QUANTITY	UNIT PRICE	\$ AMOUNT
CE103	60/40 P02	SK	200		\$2400.00
CE102	CELL PLATE	LB	50		\$185.00
CE111	SALT	LB	1778		\$889.00
CE112	Cement Friction Reducer	LB	86		\$516.00
CE201	Gilsonite	LB	1000		\$670.00
CE102	Top Rubber Cat Plus 4 1/2"	EA	1		\$850.00
CE250	Guide Shoe Reg 4 1/8 Blue	EA	1		\$225.00
CE1460	Flapper Type Insert Float Drive	EA	1		\$204.00
CE1630	Turbolizer 4 1/2 Blue	EA	5		\$425.00
CE704	Claymax KCL Sub	gal	1		\$75.00
CE151	Mud Flush	gal	5		\$430.00
E100	Unit washing - Charge Pickup	mi	600		\$276.00
E101	Heavy Equip Maint	mi	130		\$910.00
E113	Bulk Del Chg.	TM	569		\$894.00
CE204	Depth Charge 3001-4000	EA	1		\$2160.00
CE240	Blending Mixing Service Chg.	EA	200		\$280.00
CE504	Plug Conformer W/ L. L. L. L. L. L. L. L.	EA	1		\$250.00
5003	Service Supervisor first 8 hrs on site	EA	1		\$175.00

CHEMICAL / ACID DATA:			

SUB TOTAL		\$7,700.46
SERVICE & EQUIPMENT	%TAX ON \$	
MATERIALS	%TAX ON \$	
TOTAL		\$7,700.46

SERVICE REPRESENTATIVE: *Allen J. Went*
THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY: *Emilio Lopez*

FIELD SERVICE ORDER NO. _____ (WELL OWNER OPERATOR CONTRACTOR OR AGENT)

BASIC

energy services, L.P.

TREATMENT REPORT

Customer <i>L.D. Drilling Inc</i>	Lease No.	Date <i>1-7-11</i>
Lease <i>Miller CC</i>	Well # <i>2</i>	
Field Order # <i>031644</i>	Station <i>Pratt KS</i>	Casing <i>4 1/2"</i>
Type Job <i>4 1/2" L.S.</i>	Formation <i>GNW</i>	Depth <i>3678'</i>
		County <i>Barton</i>
		State <i>KS</i>
		Legal Description <i>8-19-15</i>

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size <i>4 1/2"</i>	Tubing Size	Shots/Ft		Acid <i>20 BBL 2% KCL</i>	RATE	PRESS	ISIP	
Depth <i>3678'</i>	Depth	From	To	Pre Pad <i>12 BBL mud flush</i>	Max		5 Min.	
Volume <i>58 BBL</i>	Volume	From	To	Pad <i>150 SKs 60/40 Poz</i>	Min		40 Min.	
Max Press <i>1000</i>	Max Press	From	To	Frac <i>50 SKs 60/40 Poz</i>	Avg		15 Min.	
Well Connection <i>P.C.</i>	Annulus Vol.	From	To		HHP Used		Annulus Pressure	
Plug Depth <i>3654'</i>	Packer Depth	From	To	Flush <i>H2O</i>	Gas Volume		Total Load	

Customer Representative <i>L.D. Davis</i>	Station Manager <i>Scotty</i>	Treater <i>Allen</i>
Service Units <i>28443 19903 19905 19960 19918</i>		
Driver Names <i>Worth Clarence Messert Brady Mitchell</i>		

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
<i>1045 am</i>					<i>on loc. Discuss Safety, Setup Prod.</i>
<i>1130</i>					<i>Rigging down D.C.</i>
<i>1230</i>					<i>Pull BP. + Rig up to Run 4 1/2" csg. 100'</i>
					<i>Start 4 1/2" casing shoe joint 80.96</i>
					<i>w/ Res guide shoe + inset filling collar</i>
					<i>cent 12-5-7-9.</i>
<i>205 pm</i>					<i>Casing @ 3675' Hook up + cir.</i>
<i>305</i>	<i>400*</i>		<i>20</i>	<i>5</i>	<i>Pump 20 BBL 2% KCL</i>
			<i>12</i>	<i>5</i>	<i>Pump 12 BBLs mud flush</i>
			<i>3</i>	<i>5</i>	<i>Pump 3 BBLs H2O spacer</i>
	<i>300*</i>			<i>5</i>	<i>Mix + Pump 150 SKs 60/40 Poz @ 14.3</i>
			<i>38</i>		<i>Finish mix-washout Pump line</i>
<i>322</i>					<i>Prop 4 1/2" Top Rubber Plug.</i>
					<i>Start Disp.</i>
<i>330</i>	<i>1000*</i>		<i>58</i>		<i>caught Lift. 40 BBLs out</i>
					<i>Plug down</i>
					<i>Plug Rat Hole w/ 30 SKs 60/40</i>
					<i>Plug Mouse Hole w/ 20 SKs 60/40</i>
<i>430</i>					<i>Washup + Rackup Equip.</i>
					<i>Job complete.</i>
					<i>Clarence</i>
					<i>Thanks Allen, Messert, Brady</i>

KIM B. SHOEMAKER

CONSULTING GEOLOGIST
316-884-1111

GEOLOGIST'S REPORT

DRILLING TIME AND SAMPLES

DRILLER L.D. DRILLING, INC.	ELEVATIONS
LEASE # 2 MILLER 'CC'	KB 1978
FIELD OTIS-ALBERT	DF
LOCATION NW NE NE	GL 1985
8 T19S R12W	Measurements Are All From 1978 KB
BARTON KANSAS	CASING 8.56" @ 992'
DUKE DRILLING RIG 9	PRODUCTION 4 1/2 @
12-31-10 1-7-11	ELECTRICAL SURVEYS
3680 3680	Dist. INO., DEMO-N.
RUD UP 2780 TYPE MUD CHEMICAL	








SAMPLES SAVED FROM	3000 TO 3680
DRILLING TIME KEPT FROM	2900 TO 3680
SAMPLES EXAMINED FROM	3000 TO 3680
GEOLOGICAL SUPERVISION FROM	3000 TO 3680
GEOLOGIST ON WELL	KIM B. SHOEMAKER

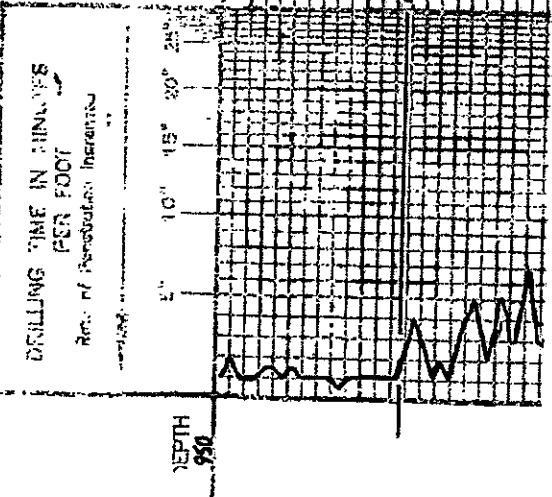
FORMATION TOPS	LOG	SAMPLES
ANHYDRITE	976+1022	975+1023
TOPEKA	2972- 929	2976-978
HERSNER	3223-1225	3221-1223
BROWN LIME	3293-1295	3292-1294
LANSING	3302-1304	3300-1302
B/KC	3526-1528	3526-1528
ARBUCKLE	3602-1604	3599-1601
REAGAN	3623-1625	3622-1624

APL 15-001-25507

5900'
 @ 995'
 2 1460'
 2 2540'
 2 2975'
 2 3515'
 2 3626'
 2 3680'

LEGEND

-  Anhydrite
-  Sandstone
-  Shale
-  Limestone
-  Dolomite
-  Chert
-  Dolomite



1000

B-ANK.

1003 + 995

1050

2900

TRIP 28 2976-978

IS. 2. 219. S. 1982

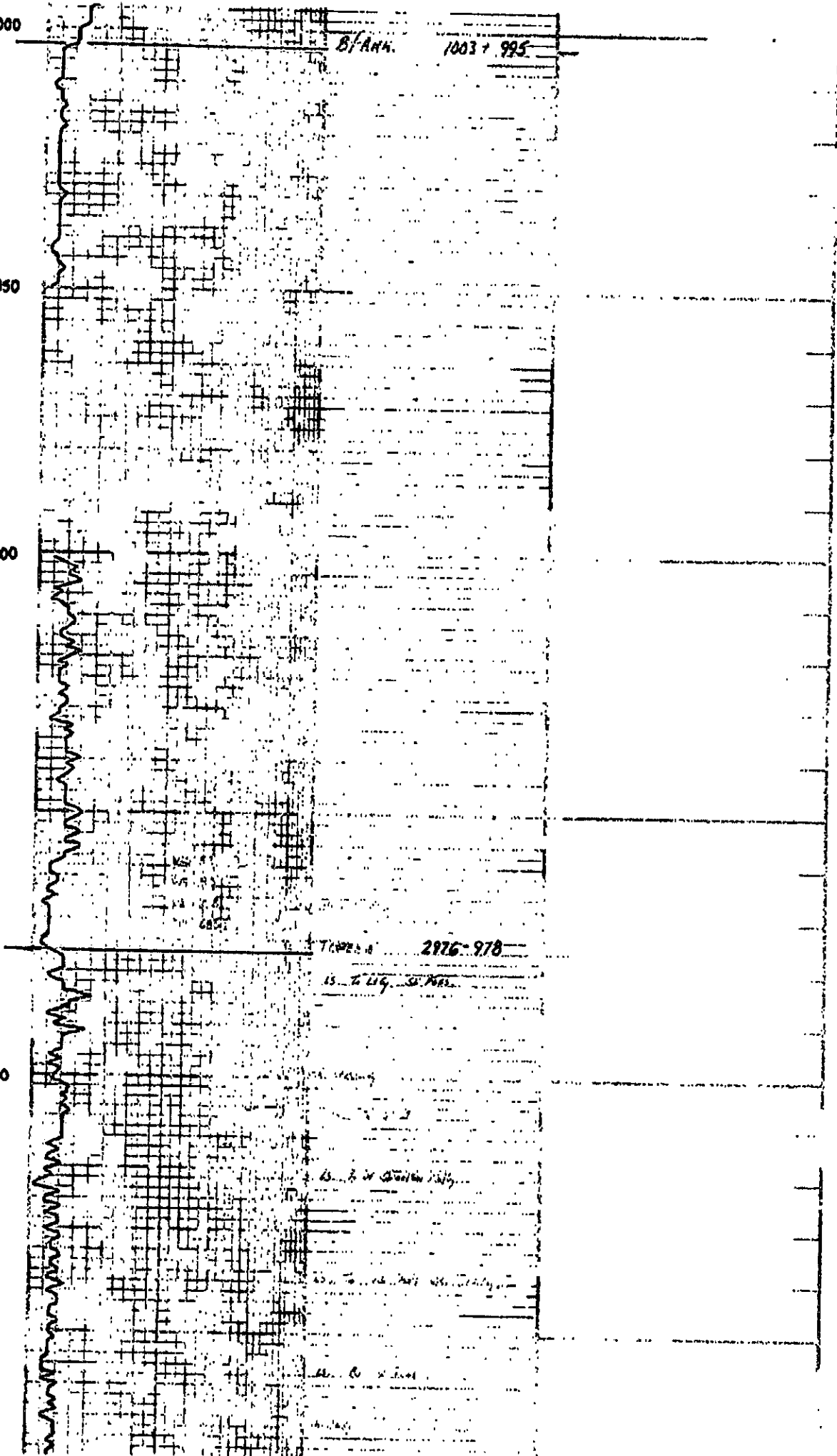
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1982

1982

1982

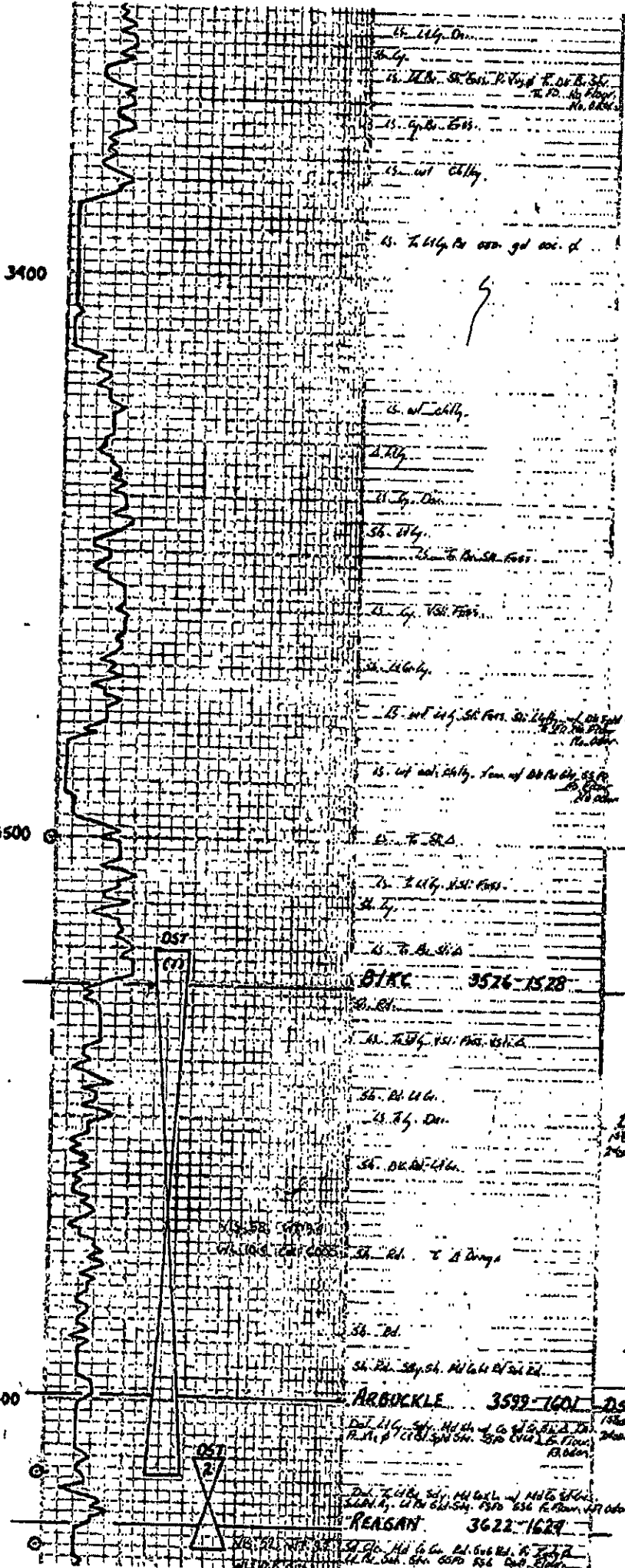
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3400

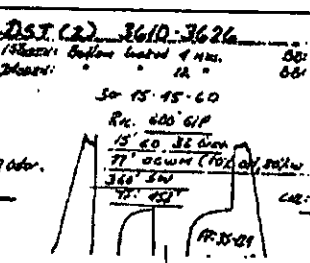
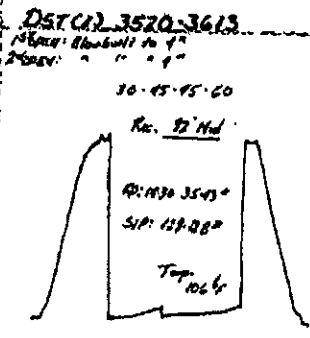
3500

3600



ARBUCKLE 3599-1601

REAGAN 3622-1624



Diamond Testing

General information Report

General Information

Company Name L.D. DRILLING, INC.

Contact	L.D. DAVIS	Job Number	
Well Name	MILLER 'CC' #2	Representative	ROGER D. FRIEDLY
Unique Well ID	DST #1 ARBUCKLE 3,520' - 3,613'	Well Operator	L.D. DRILLING, INC.
Surface Location	SEC 8-19S-15W BARTON COUNTY, KS	Report Date	2011/01/06
Well License Number		Prepared By	ROGER D. FRIEDLY
Field	WILDCAT		
Well Type	Vertical		

Test Type	CONVENTIONAL DRILL-STEM TEST		
Formation	DAST #1 ARBUCKLE 3,520' - 3,613'		
Well Fluid Type	01 Oil	Start Test Time	16:55:00
		Final Test Time	01:18:00
Start Test Date	2011/01/05		
Final Test Date	2011/01/06		
Gauge Name	1150		
Gauge Serial Number			

Test Results

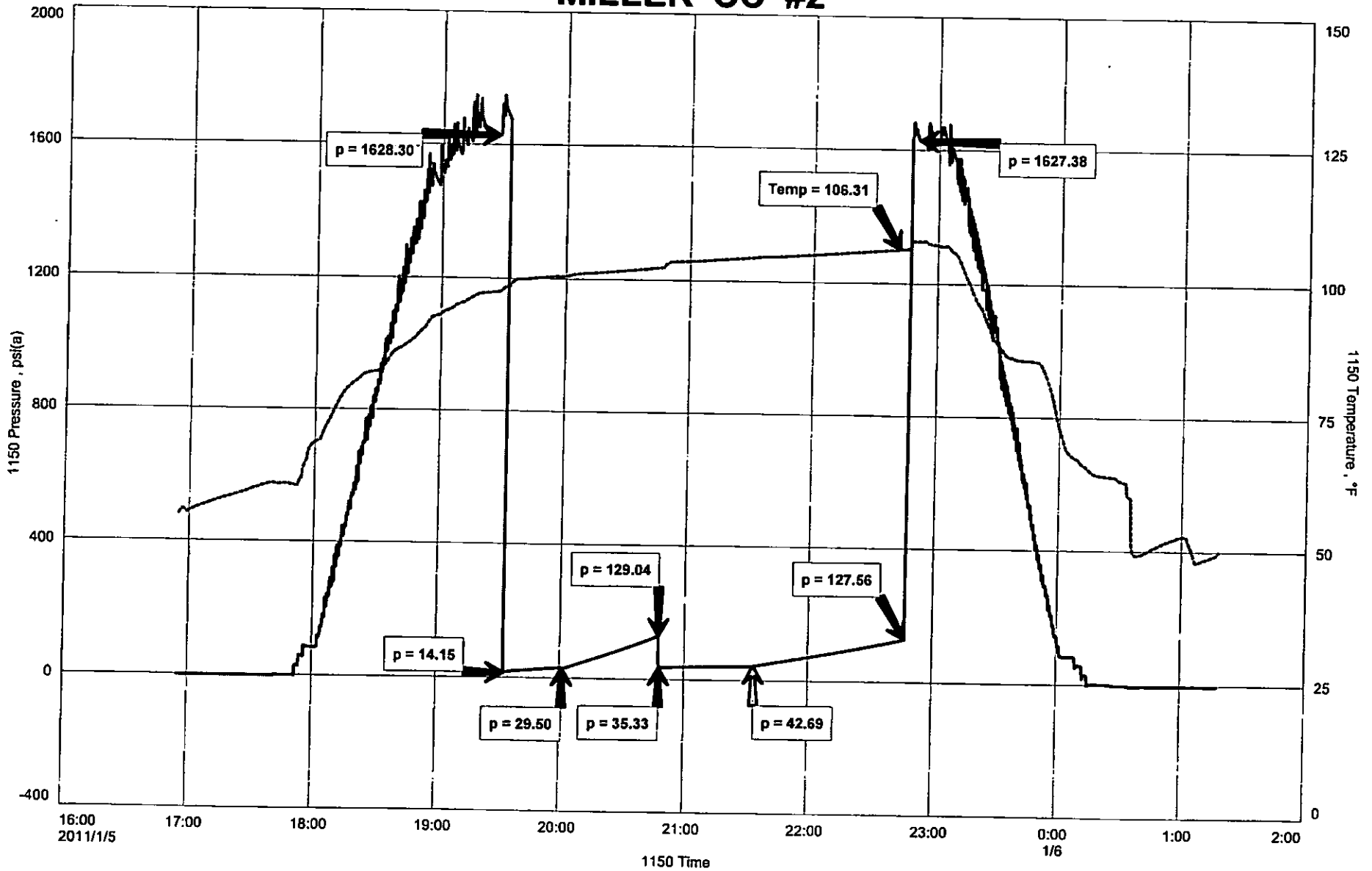
RECOVERED: 92 DM 100% MUD

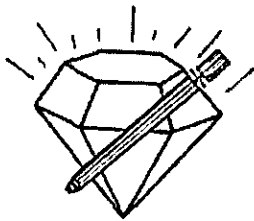
TOOL SAMPLE: 100% DM FEW OIL SPECKS

L.D. DRILLING, INC.
DST #1 ARBUCKLE 3,520' - 3,613'
Start Test Date: 2011/01/05
Final Test Date: 2011/01/06

MILLER 'CC' #2
Formation: DAST #1 ARBUCKLE 3,520' - 3,613'

MILLER 'CC' #2





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

CLOCK ON: 16:55
 CLOCK OFF: 01:18(1.6)

Company L.D DRILLING, INC. Lease & Well No. MILLER 'CC' #2
 Contractor DUKE RIG #9 Charge to L.D. DRILLING, INC.
 Elevation 1,998 KB Formation ARBUCKLE Effective Pay _____ Ft. Ticket No. _____
 Date 1-05-11 Sec. 8 Twp. 19 S Range 15 W County BARTON State KANSAS
 Test Approved By KIM SHOEMAKER Diamond Representative ROGER D. FRIEDLY

Formation Test No. 1 Interval Tested from 3,520 ft. to 3,613 ft. Total Depth 3,613 ft.
 Packer Depth 3,515 ft. Size 6 3/4 in. Packer Depth _____ ft. Size _____ in.
 Packer Depth 3,520 ft. Size 6 3/4 in. Packer Depth _____ ft. Size _____ in.
 Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 3,501 ft. Recorder Number 1150 Cap. 5,000 P.S.I.
 Bottom Recorder Depth (Outside) 3,610 ft. Recorder Number 3851 Cap. 5,700 P.S.I.
 Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.

Mud Type CHEMICAL Viscosity 58
 Weight 9.4 Water Loss 10.4 cc.
 Chlorides 6,000 P.P.M.
 Jars: Make BOWEN Serial Number #3
 Did Well Flow? NO Reversed Out NO
 Main Hole Size 7 7/8 Tool Joint Size 4 1/2 XH in.
 Drill Collar Length 174 ft. I.D. 2 1/4 in.
 Weight Pipe Length 0 ft. I.D. 2 7/8 in.
 Drill Pipe Length 3,313 ft. I.D. 3 1/2 in.
 Test Tool Length 33 ft. Tool Size 3 1/2-IF in.
 Anchor Length 93 ft. Size 4 1/2-FH in.
 Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: WEAK 1/2" BLOW INCREASING TO 4" (NObb)
 2nd Open: WEAK 1/2" BLOW INCREASING TO 4" (NObb)

Recovered 92 ft. of DM 100% MUD
 Recovered _____ ft. of _____
 Recovered _____ ft. of _____

Recovered _____ ft. of _____	Price Job
Recovered _____ ft. of _____	Other Charges
Remarks: <u>DIESEL IN BUCKET</u>	Insurance
<u>TOOL SAMPLE: 100% DM - FEW OIL SPECKS</u>	Total

Time Set Packer(s) 7:33 P.M. A.M. P.M. Time Started Off Bottom 10:33 P.M. A.M. P.M. Maximum Temperature 106
 Initial Hydrostatic Pressure (A) 1,628 P.S.I.
 Initial Flow Period Minutes 30 (B) 14 P.S.I. to (C) 30 P.S.I.
 Initial Closed In Period Minutes 45 (D) 129 P.S.I.
 Final Flow Period Minutes 45 (E) 35 P.S.I. to (F) 43 P.S.I.
 Final Closed In Period Minutes 60 (G) 128 P.S.I.
 Final Hydrostatic Pressure (H) 1,627 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 information Report

General Information

Company Name L.D. DRILLING, INC.

Contact	L.D. DAVIS	Job Number	
Well Name	MILLER 'CC' #2	Representative	ROGER D. FRIEDLY
Unique Well ID	DST #2 ARBUCKLE3,610' - 3,626'	Well Operator	L.D. DRILLING, INC.
Surface Location	SEC 8-19S-15W BARTON COUNTY, KS	Report Date	2011/01/06
Well License Number		Prepared By	ROGER D. FRIEDLY
Field	WILDCAT		
Well Type	Vertical		

Test Type	CONVENTIONAL DRILL-STEM TEST	Start Test Time	06:40:00
Formation	DST #2 ARBUCKLE3,610' - 3,626'	Final Test Time	14:34:00
Well Fluid Type	01 Oil		
Start Test Date	2011/01/16		
Final Test Date	2011/01/06		
Gauge Name	1150		
Gauge Serial Number			

Test Results

RECOVERED: 600' GAS IN PIPE
15' CLEAN OIL 36 GRAVITY @ 60 deg
77' OCWM 10% OIL, 30% WTR, 60% MUD
360' SW 100% WTR
452' TOTAL FLUID

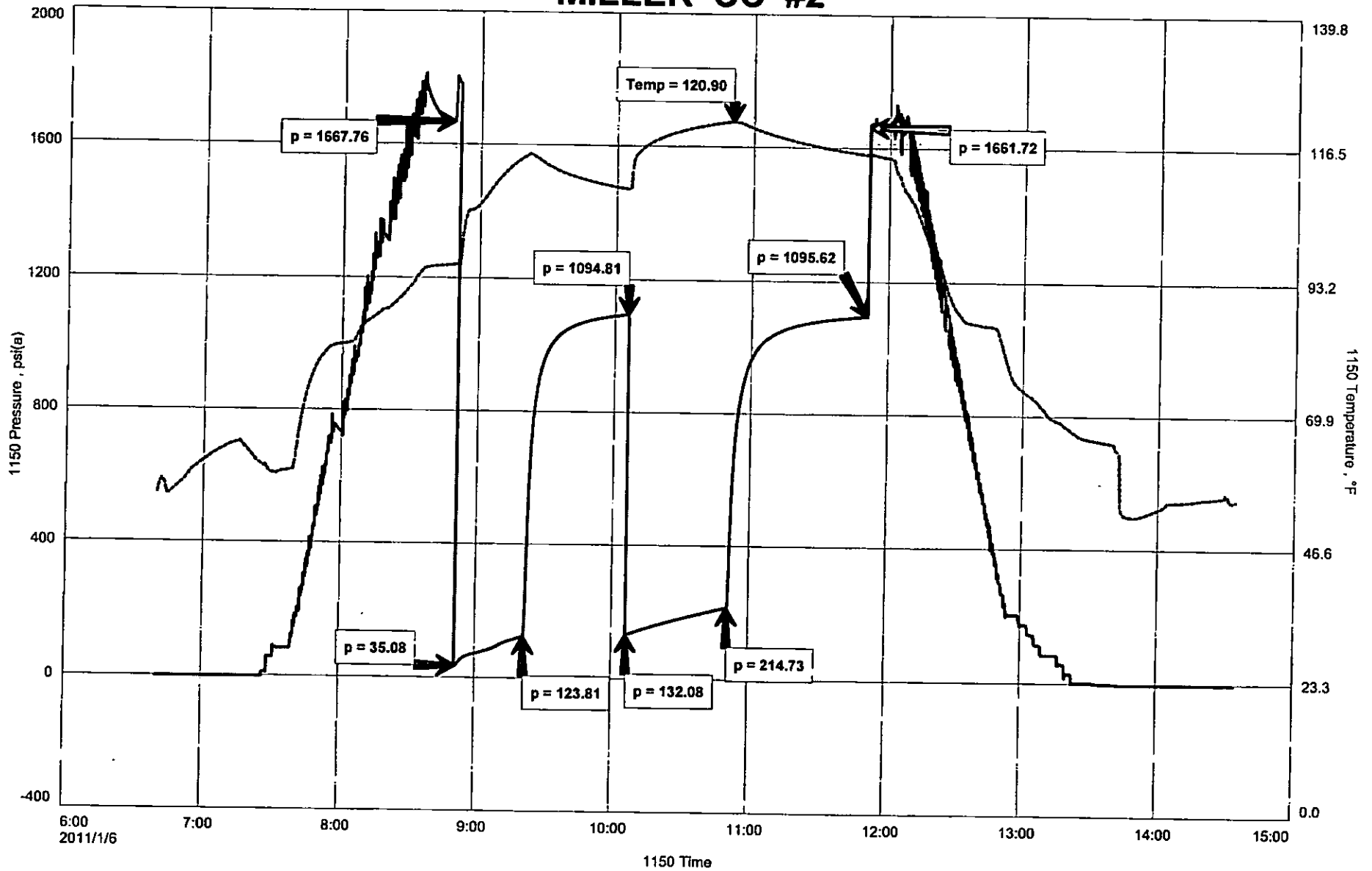
TOOL SAMPLE: 4% OIL, 96% MUD

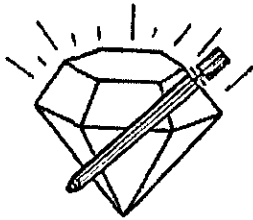
CHLORIDES: 44,000 Ppm
PH: 7.0
RW: .20 @ 58 deg

L.D. DRILLING, INC.
DST #2 ARBUCKLEIREAGAN 3,610' - 3,626'
Start Test Date: 2011/01/16
Final Test Date: 2011/01/06

MILLER 'CC' #2
Formation: DST #2 ARBUCKLEIREAGAN 3,610' - 3,626'

MILLER 'CC' #2





DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313

CLOCK ON: 06:40

CLOCK OFF: 14:34

DRILL-STEM TEST TICKET

Company L.D. DRILLING, INC. Lease & Well No. MILLER 'CC' #2
Contractor DUKE RIG #9 Charge to L.D. DRILLING, INC.
Elevation 1,998 KB Formation ARBUCKLE \ REAGAN Effective Pay _____ Ft. Ticket No. _____
Date 1-06-11 Sec. 8 Twp. 19 S Range 15 W County BARTON State KANSAS
Test Approved By KIM SHOEMAKER Diamond Representative ROGER D. FRIEDLY

Formation Test No. 2 Interval Tested from 3,610 ft. to 3,626 ft. Total Depth 3,626 ft.
Packer Depth 3,605 ft. Size 6 3/4 in. Packer Depth _____ ft. Size _____ in.
Packer Depth 3,610 ft. Size 6 3/4 in. Packer Depth _____ ft. Size _____ in.
Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 3,591 ft. Recorder Number 1150 Cap. 5,000 P.S.I.
Bottom Recorder Depth (Outside) 3,623 ft. Recorder Number 3851 Cap. 5,700 P.S.I.
Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.

Mud Type CHEMICAL Viscosity 52 Drill Collar Length 174 ft. I.D. 2 1/4 in.
Weight 9.2 Water Loss 10.8 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.
Chlorides 6,000 P.P.M. Drill Pipe Length 3,402 ft. I.D. 3 1/2 in.
Jars: Make BOWEN Serial Number #3 Test Tool Length 33 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: FAIR 2" BLOW INCREASING TO BOTTOM OF BUCKET IN 4 1/4" MIN (F 2 1/2" bb)
2nd Open: FAIR 1" BLOW INCREASING TO BOTTOM OF BUCKET IN 12 MIN (F 2" bb)

Recovered 600 ft. of GAS IN PIPE
Recovered 15 ft. of CLEAN OIL 36 GRAVITY @ 60 deG
Recovered 77 ft. of OCWM 10% OIL, 30% WTR, 60% MUD

Recovered <u>360</u> ft. of <u>SW 100% WTR</u>	<u>CHLORIDES 44,000 Ppm</u>	Price Job
Recovered <u>452</u> ft. of <u>TOTAL FLUID</u>	<u>PH: 7.0</u>	Other Charges
Remarks: <u>DIESEL IN BUCKET</u>		Insurance
TOOL SAMPLE: <u>4% OIL, 96% MUD</u>		Total

Time Set Packer(s) 8:51 A.M. A.M. P.M. Time Started Off Bottom 11:51 A.M. A.M. P.M. Maximum Temperature 121
Initial Hydrostatic Pressure (A) 1,688 P.S.I.
Initial Flow Period Minutes 30 (B) 35 P.S.I. to (C) 124 P.S.I.
Initial Closed In Period Minutes 45 (D) 1,095 P.S.I.
Final Flow Period Minutes 45 (E) 132 P.S.I. to (F) 215 P.S.I.
Final Closed In Period Minutes 60 (G) 1,096 P.S.I.
Final Hydrostatic Pressure (H) 1,662 P.S.I.

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