



KANSAS CORPORATION COMMISSION 1061682  
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: KIM SHOEMAKER  
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 #: \_\_\_\_\_

<u>04/26/2011</u>	<u>05/01/2011</u>	<u>06/27/2011</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-009-25548-00-00  
Spot Description: \_\_\_\_\_  
\_\_\_\_\_ SE NW Sec. 24 Twp. 20 S. R. 11  East  West  
1980 Feet from  North /  South Line of Section  
1980 Feet from  East /  West Line of Section

Footages Calculated from Nearest Outside Section Corner:  
 NE     NW     SE     SW  
County: Barton  
Lease Name: R S P Well #: 1-24  
Field Name: CHASE-SILICA  
Producing Formation: ARBUCKLE  
Elevation: Ground: 1748 Kelly Bushing: 1749  
Total Depth: 3350 Plug Back Total Depth: 3230  
Amount of Surface Pipe Set and Cemented at: 469 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: 8000 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: DAVIS RANCH OWWD License #: 6039  
Quarter NW Sec. 14 Twp. 21 S. R. 12  East  West  
County: STAFFORD Permit #: D30736

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 Gantior Date: 09/08/2011



1061682

Operator Name: L. D. Drilling, Inc. Lease Name: R S P Well #: 1-24  
 Sec. 24 Twp. 20 S. R. 11  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 (Attach Additional Sheets)	<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	Top	Datum
Cores Taken	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	TOPEKA	2577	828
Electric Log Run	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	HEEBNER	2842	1093
Electric Log Submitted Electronically (If no, Submit Copy)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	BROWN LIME	2965	1216
List All E. Logs Run:		LANSING	2990	1241
<b>Attached</b>		BASE KANSAS CITY	3228	1479
		ARBUCKLE	3246	1497

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	469	A-CONN	200	
SURFACE	12.25	8.625	24	469	COMMON	200	3%CC, 2%GEL
PRODUCTION	7.875	5.5	14	3353	60/40 POZMIX	125	1/4#FloSeal

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
— Perforate				
— Protect Casing	-			
— Plug Back TD	-			
— Plug Off Zone	-			

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth
4	3246 - 3247'	300 gal 15% HCL NE FE Acid	
4	3076 - 3080'; 3192 - 3196'	2000 gal 15% HCL NE FE Acid	
2	3060 - 3062'		
4	3032 - 3036'		
	5.5" Bridge Plug @ 3230 - 7 = 3223'		

TUBING RECORD:	Size: <u>2.875</u>	Set At: <u>3316</u>	Packer At:	Liner Run: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumed Production, SWD or ENHR. <u>06/27/2011</u>	Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input checked="" type="checkbox"/> Other (Explain) <u>Looking for SWD to go into</u>			
Estimated Production Per 24 Hours	Oil Bbbs.	Gas Mcf	Water Bbbs.	Gas-Oil Ratio
				Gravity

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease (If vented, Submit ACO-18.)	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input checked="" type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. (Submit ACO-5) <input type="checkbox"/> Commingled (Submit ACO-4) <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	L. D. Drilling, Inc.
Well Name	R S P 1-24
Doc ID	1061682

All Electric Logs Run

DUAL COMPENSATED POROSITY LOG
DUAL INDUCTION LOG
MICRORESISTIVITY LOG
SONIC CEMENT BOND LOG



**BASIC™**  
ENERGY SERVICES

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

PRESSURE PUMPING & WIRELINE

FIELD SERVICE TICKET

1718 03669 A

DATE \_\_\_\_\_ TICKET NO. \_\_\_\_\_

DATE OF JOB: <b>4-27-2011</b>	DISTRICT: <b>Pratt, Ks.</b>	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: <b>LD DRILLING, INC.</b>	LEASE: <b>RSP</b>	WELL NO.: <b>1-29</b>							
ADDRESS:	COUNTY: <b>BARTON</b>	STATE: <b>Ks.</b>							
CITY:	SERVICE CREW: <b>LESLEY, WISER, PHYE</b>								
AUTHORIZED BY:	JOB TYPE: <b>CNW - 8 5/8" S.P.</b>								
EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS	TRUCK CALLED <b>4-26-11</b>	DATE	PM	TIME
<b>19870</b>	<b>1</b>					ARRIVED AT JOB	<b>4-27-11</b>	<b>AM</b>	<b>1:20</b>
<b>27463</b>	<b>1</b>					START OPERATION		<b>AM</b>	<b>4:45</b>
<b>19960-19918</b>	<b>1</b>					FINISH OPERATION		<b>AM</b>	<b>5:35</b>
						RELEASED		<b>AM</b>	<b>6:15</b>
						MILES FROM STATION TO WELL <b>50</b>			

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: Jim Michels  
(WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)

ITEM/PRICE REF. NO.	MATERIAL, EQUIPMENT AND SERVICES USED	UNIT	QUANTITY	UNIT PRICE	\$ AMOUNT
CP 101	A-CON 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 153	WOODEN CMT. PLUG, 8 5/8"	EA	1		160.00
E 100	PICKUP MILEAGE	MI	50		212.50
E 101	HEAVY EQUIPMENT MILEAGE	MI	100		700.00
E 113	BULK DELIVERY CHARGE	TM	940		1,504.00
CE 200	DEPTH CHARGE: 0-500'	HR	1-4		1,000.00
CE 240	BLENDING SERVICE CHARGE	SK	400		560.00
CE 504	PLUG CONTAINER CHARGE	WB	1		250.00
S 003	SERVICE SUPERVISOR	EA	1		175.00

SUB TOTAL **10,017.60**

CHEMICAL / ACID DATA:			

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

SERVICE REPRESENTATIVE: Lesley THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY: Jim Michels  
FIELD SERVICE ORDER NO. \_\_\_\_\_ (WELL OWNER OPERATOR CONTRACTOR OR AGENT)

# BASIC

energy services, L.P.

## TREATMENT REPORT

Customer <b>LD DRILLING, INC.</b>	Lease No.	Date <b>4-27-2011</b>
Lease <b>RSP</b>	Well # <b>1-24 TD</b>	
Field Order <b>3664</b>	Station <b>PRATT, Ks.</b>	Casing <b>8 5/8"</b> Depth <b>418.75'</b> County <b>BARTON</b> State <b>Ks.</b>
Type Job <b>CNW-8 5/8" S.P.</b>	Formation	Legal Description <b>24-20-11</b>

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME	
Casing Size	Tubing Size	Shots/Ft		Acid	RATE	PRESS	ISIP
<b>8 5/8"</b>			<b>CMT-</b>	<b>200 SK A-CON</b>			
Depth <b>418.75'</b>	Depth	From	To	Pre Pad <b>@ 2.12 cwt<sup>3</sup></b>	Max		5 Min.
Volume <b>24.81</b>	Volume	From	To	Prod <b>200 SK COMMON</b>	Min		10 Min.
Max Press <b>500</b>	Max Press	From	To	Frac <b>@ 1.34 cwt<sup>3</sup></b>	Avg		15 Min.
Well Connection <b>P.C.</b>	Annulus Vol.	From	To		HHP Used		Annulus Pressure
Plug Depth <b>418</b>	Packer Depth	From	To	Flush <b>28.5 BBL</b>	Gas Volume		Total Load

Customer Representative **JIM (PETROMARK)** Station Manager **D. SCOTT** Treater **K. LESLEY**

Service Units	<b>19870</b>	<b>27463</b>	<b>19960</b>	<b>19918</b>					
Driver Names	<b>LESLEY WISER</b>	<b>PHYE</b>							

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
<b>1:20 AM</b>					<b>ON LOCATION - SAFETY MEETING</b>
<b>3:15 AM</b>					<b>RUN 9 JTS. 8 5/8" X 24" CSG.</b>
<b>4:30 AM</b>					<b>CSG. ON BOTTOM</b>
<b>4:45 AM</b>					<b>HOOKUP TO CSG. / BREAK CIRC. W/ RIG</b>
<b>4:50 AM</b>	<b>200</b>		<b>5</b>	<b>6</b>	<b>H<sub>2</sub>O AHEAD</b>
<b>5:02 AM</b>	<b>100</b>		<b>75.5</b>	<b>6</b>	<b>MIX 200 SKS. A-CON @ 12.6 #/GAL</b>
<b>5:16 AM</b>	<b>100</b>		<b>48</b>	<b>6</b>	<b>MIX 200 SKS COMMON @ 15.0 #/GAL</b>
<b>5:25 AM</b>					<b>SHUT DOWN - RELEASE PLUG</b>
<b>5:28 AM</b>	<b>0</b>		<b>0</b>	<b>5</b>	<b>START DISPLACEMENT</b>
<b>5:32 AM</b>	<b>150</b>		<b>18</b>	<b>4</b>	<b>SLOW RATE</b>
<b>5:35 AM</b>	<b>200</b>		<b>28.5</b>	<b>3</b>	<b>PLUG DOWN - CLOSE IN</b>
					<b>JOB COMPLETE,</b>
					<b>THANKS -</b>
					<b>KEELEN LESLEY</b>
					<b>CIRCULATE 10 bbl. CEMENT</b>
					<b>TO P.B.T</b>



**BASIC**<sup>™</sup>  
ENERGY SERVICES  
PRESSURE PUMPING & WIRELINE

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

FIELD SERVICE TICKET  
1718 03971 A

DATE \_\_\_\_\_ TICKET NO. \_\_\_\_\_

DATE OF JOB <b>05-1-11</b> DISTRICT <b>PRATT KS</b>		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 <b>L.D. Drilling</b>		LEASE <b>R.S.P. 1-24</b> WELL NO.:						
ADDRESS		COUNTY <b>BARTON</b> STATE <b>KS</b>						
CITY STATE		SERVICE CREW <b>Sullivan, Nelson, McGraw</b>						
AUTHORIZED BY		JOB TYPE: <b>CPW 5 1/2 Longstay</b>						
EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS	TRUCK CALLED <b>5-1-11</b> DATE	AM	TIME
<b>33708-20920</b>	<b>35 mi</b>							<b>5:00</b>
<b>19862-19940</b>	<b>35 hr</b>							<b>8:00</b>
<b>27980</b>								<b>10:45</b>
								<b>11:25</b>
								<b>12:00</b>
								<b>50</b>

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: Jim Nichle  
(WELL OWNER) OPERATOR, CONTRACTOR OR AGENT)

ITEM/PRICE REF. NO.	MATERIAL, EQUIPMENT AND SERVICES USED	UNIT	QUANTITY	UNIT PRICE	\$ AMOUNT
CP 103	60/40 P2Z.cmf	SK	125		1,500.00
CP 103	60/40 P2Z.cmf	SK	20		260.00
CC 102	Calc. S.C.	LB	22		118.40
CC 105	De-formik	LB	27		108.00
CC 111	Salt	LB	1116		558.00
CC 112	Camt. Fracture Reducer	LB	81		480.00
CC 201	C. Isomix	LB	625		418.75
CP 103	Tap Rubber plug 5 1/2	PT	1		105.00
CF 251	guide shoe	EA	1		250.00
CF 1451	Happy insert float	PT	1		205.00
CF 1651	Turkey (2.0)	PT	5		550.00
C 204	KOL Sph	EA	1		75.00
EC 181	man. Wash	OPK	500		430.00
E 100	padding outfit	mi	50		212.50
E 101	Heavy Equip.	mi	100		700.00
E 113	Bulk delivery	TN	325		536.00
CF 204	Depth Control	SA	1		2,160.00
CF 240	Blowby - mixing	SK	155		217.00
CF 504	Plc. Calibrator Control	PT	1		250.00
5003	Sealant Supermax	QT	1		175.00
SUB TOTAL					7,226.18
CHEMICAL / ACID DATA:					
SERVICE & EQUIPMENT					%TAX ON \$
MATERIALS					%TAX ON \$
TOTAL					7,226.18

Thank you

SERVICE REPRESENTATIVE <u>Robert Johnson</u>	THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY: <u>Jim Nichle</u> (WELL OWNER OPERATOR CONTRACTOR OR AGENT)
--	--

FIELD SERVICE ORDER NO. \_\_\_\_\_

# BASIC

energy services, L.P.

## TREATMENT REPORT

Customer <i>L.O. Drilling Inc</i>	Lease No.	Date <i>05-1-11</i>
Lease <i>RSP</i>	Well # <i>1-24</i>	
Field Order # <i>2971</i>	Station <i>ARA-H KS</i>	Casing <i>5 1/2</i>
Type Job <i>CNW 5 1/2 Longstop</i>	Depth <i>3353</i>	County <i>BALTON</i>
	Formation	State <i>KS</i>
		Legal Description <i>24-20-11</i>

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size	Tubing Size	Shots/Ft		Acid		RATE	PRESS	ISIP
<i>5 1/2</i>								
Depth <i>3353</i>	Depth	From	To	Pre Pad	Max			5 Min.
Volume <i>81.5</i>	Volume	From	To	Pad	Min			10 Min.
Max Press <i>1500</i>	Max Press	From	To	Frac	Avg			15 Min.
Well Connection <i>PC</i>	Annulus Vol.	From	To		HHP Used			Annulus Pressure
Plug Depth <i>3393</i>	Packer Depth	From	To	Flush	Gas Volume			Total Load

Customer Representative	Station Manager <i>DAVE SCOTT</i>	Treater <i>Robert Johnson</i>
-------------------------	--------------------------------------	----------------------------------

Service Units	<i>33900</i>	<i>33708</i>	<i>20920</i>	<i>19826</i>	<i>19860</i>				
Driver Names	<i>Sullivan</i>	<i>Mason</i>		<i>Mason</i>					

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
<i>08:00 am</i>					<i>on ho safely making</i>
					<i>Run 27 JTS 5 1/2 14 CSR</i>
					<i>cut 1, 3, 5, 7, 9.</i>
<i>10:00</i>					<i>Casing on Bottom</i>
<i>10:10</i>					<i>Hook lig to circ.</i>
<i>10:45</i>	<i>150</i>		<i>20</i>	<i>4</i>	<i>st MCH Wash 2%</i>
			<i>12</i>		<i>st mud flush</i>
			<i>3</i>		<i>SPACE</i>
				<i>5.5</i>	<i>mix cont 125 st col/40 per @ 15, 4 AG</i>
			<i>27</i>		<i>cont mixed shut down wash pump a line</i>
					<i>Release Plug</i>
				<i>5</i>	<i>st Dead</i>
	<i>200</i>		<i>63</i>		<i>Left PSI</i>
	<i>460</i>			<i>4.5</i>	<i>Stop Rate</i>
<i>11:25</i>	<i>1500</i>		<i>81. 1/2</i>		<i>plug down held good</i>
			<i>7</i>		<i>Play R.H. w/ 30 st</i>
					<i>503 Complete</i>
					<i>Thank You</i>



# DIAMOND TESTING

P.O. Box 157  
HOISINGTON, KANSAS 67544  
(620) 853-7550 • (800) 542-7313  
STC 30046.D947

Company L. D. Drilling, Inc. Lease & Well No. RSP No. 1-24  
Elevation 1749 KB Formation Lansing/Kansas City "B" - "G" Effective Pay -- Ft. Ticket No. J2742  
Date 4-29-11 Sec. 24 Twp. 20S Range 11W County Barton State Kansas  
Test Approved By Kim B. Shoemaker Diamond Representative John C. Riedl

Formation Test No. 1 Interval Tested from 3,008 ft. to 3,090 ft. Total Depth 3,090 ft.  
Packer Depth 3,003 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.  
Packer Depth 3,008 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.  
Depth of Selective Zone Set          ft.

Top Recorder Depth (Inside) 3,011 ft. Recorder Number 30046 Cap. 6,000 psi  
Bottom Recorder Depth (Outside) 3,087 ft. Recorder Number 11073 Cap. 4,000 psi  
Below Straddle Recorder Depth          ft. Recorder Number          Cap.          psi

Drilling Contractor Petromark Drilling LLC - Rig 2 Drill Collar Length 120 ft. I.D. 2 1/4 in.  
Mud Type Chemical Viscosity 64 Weight Pipe Length -- ft. I.D. -- in.  
Weight 8.8 Water Loss 9.0 cc. Drill Pipe Length 2,866 ft. I.D. 3 1/2 in.  
Chlorides 4,000 P.P.M. Test Tool Length 22 ft. Tool Size 3 1/2 - IF in.  
Jars: Make Sterling Serial Number Not Run Anchor Length 82 ft. Size 4 1/2 - FTL in.  
Did Well Flow? No Reversed Out No Surface Choke Size 1 in. Bottom Choke Size 5/8 in.  
Main Hole Size 7 7/8 in. Tool Joint Size 4 1/2 - XH in.

Blow: 1st Open: Strong blow. Off bottom of bucket in 1 1/2 mins. Strong blow back during shut-in.  
2nd Open: Strong blow. Off bottom of bucket in 3 mins. Strong blow back during shut-in.

Recovered 300 ft. of gas in pipe  
Recovered 630 ft. of mud cut gassy oil = 8.964900 bbls. (Grind out: 20%-mud; 40%-gas; 40%-oil) Gravity: 37 @ 60°  
Recovered 570 ft. of gassy water = 6.993900 bbls. (Grind out: 10%-gas; 90%-water) Chlorides: 27,000 Ppm  
Recovered 1,200 ft. of TOTAL FLUID = 15.958800 bbls.  
Recovered          ft. of           
Remarks Mechanical recorder jammed; no chart.

Time Set Packer(s)	<u>8:30</u>	<u>XXM.</u> P.M.	Time Started Off Bottom	<u>11:30</u>	<u>XXM.</u> P.M.	Maximum Temperature	<u>103°</u>
Initial Hydrostatic Pressure			(A)	<u>1434</u>		P.S.I.	
Initial Flow Period	Minutes	<u>30</u>	(B)	<u>101</u>	P.S.I.	to (C)	<u>326</u> P.S.I.
Initial Closed In Period	Minutes	<u>45</u>	(D)	<u>894</u>	P.S.I.		
Final Flow Period	Minutes	<u>45</u>	(E)	<u>353</u>	P.S.I.	to (F)	<u>509</u> P.S.I.
Final Closed In Period	Minutes	<u>60</u>	(G)	<u>873</u>	P.S.I.		
Final Hydrostatic Pressure			(H)	<u>1414</u>		P.S.I.	



## GENERAL INFORMATION

### Client Information:

Company: L D DRILLING INC

Contact: L D DAVIS

Phone: Fax: e-mail:

### Site Information:

Contact: KIM SHOEMAKER

Phone: Fax: e-mail:

### Well Information:

Name: 1-24 RSP

Operator: L D DRILLING INC

Location-Downhole:

Location-Surface: S24/20S/11W

### Test Information:

Company: DIAMOND TESTING

Representative: JOHN RIEDL

Supervisor: KIM SHOEMAKER

Test Type: CONVENTIONAL Job Number: D943

Test Unit:

Start Date: 2011/04/29 Start Time: 19:00:00

End Date: 2011/04/30 End Time: 02:30:00

Report Date: 2011/04/30 Prepared By: JOHN RIEDL

Qualified By: KIM SHOEMAKER

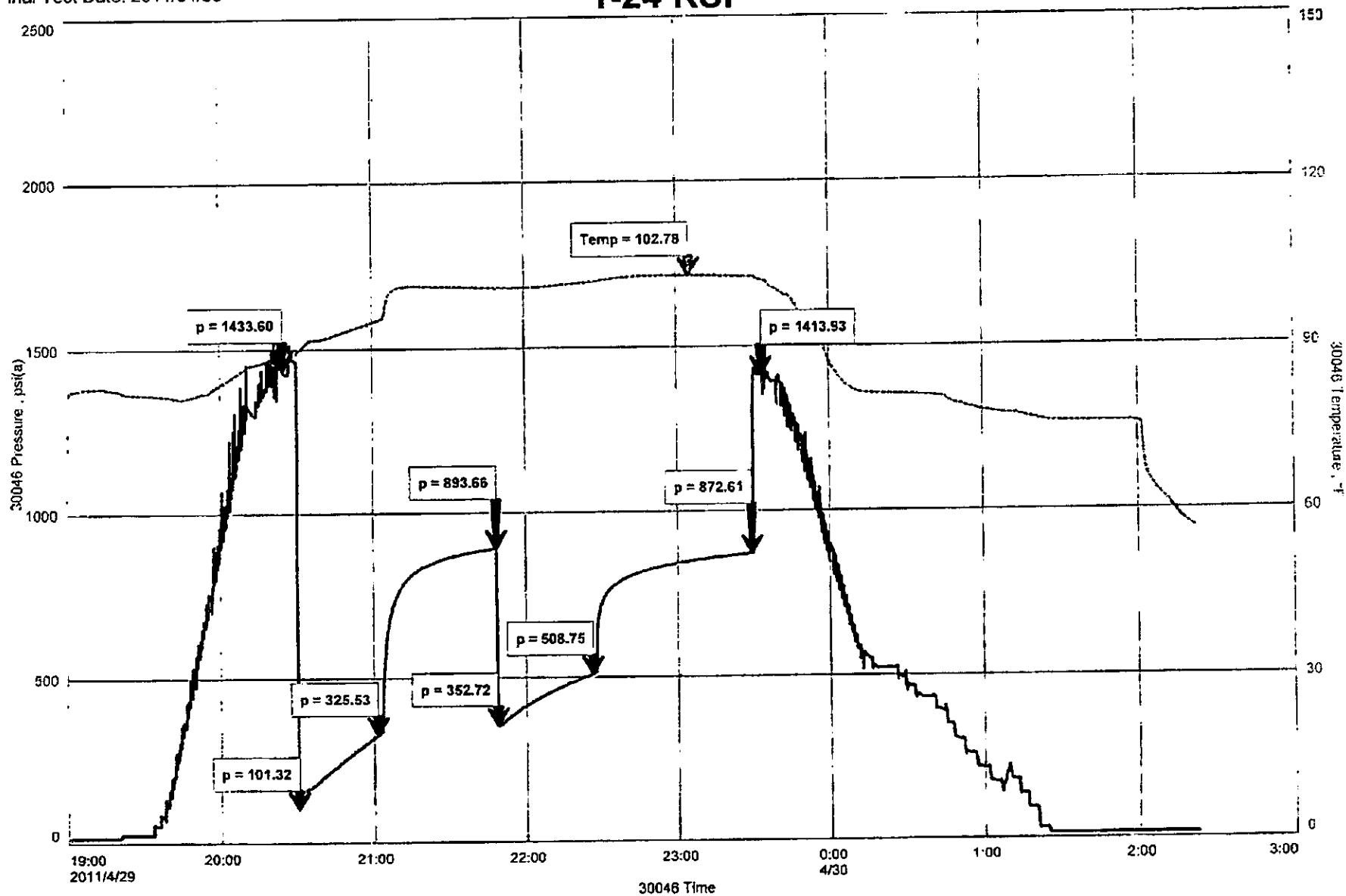
### Remarks:

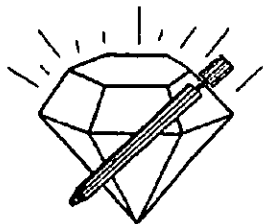
RECOVERY: 300' GAS IN PIPE, 630 MUDDY GASSY OIL, 570' GASSY WATER

L D DRILLING INC  
Start Test Date: 2011/04/29  
Final Test Date: 2011/04/30

1-24 RSP  
Formation: LKC "B-G"  
Job Number: D943

# 1-24 RSP





# DIAMOND TESTING

P.O. Box 157  
HOISINGTON, KANSAS 67544  
(620) 653-7550 • (800) 542-7313  
STC 30046.D948

Page 1 of 2 Pages

Company L. D. Drilling, Inc. Lease & Well No. RSP No. 1-24  
Elevation 1749 KB Formation Toronto Effective Pay -- Ft. Ticket No. J2743  
Date 4-30-11 Sec. 24 Twp. 20S Range 11W County Barton State Kansas  
Test Approved By Kim B. Shoemaker Diamond Representative John C. Riedl

Formation Test No. 2 Interval Tested from 2,830 ft. to 3,000 ft. Total Depth 3,090 ft.  
Packer Depth 2,825 ft. Size 6 3/4 in. Packer Depth 3,000 ft. Size 6 3/4 in.  
Packer Depth 2,830 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.  
Depth of Selective Zone Set          ft.

Top Recorder Depth (Inside) 2,833 ft. Recorder Number 30046 Cap. 6,000 psi  
Bottom Recorder Depth (Outside) 2,880 ft. Recorder Number 11017 Cap. 4,000 psi  
Below Straddle Recorder Depth 3,087 ft. Recorder Number 11073 Cap. 4,000 psi

Drilling Contractor Petromark Drilling LLC - Rig 2 Drill Collar Length 120 ft. I.D. 2 1/4 in.  
Mud Type Chemical Viscosity 64 Weight Pipe Length -- ft. I.D. -- in.  
Weight 8.8 Water Loss 9.0 cc. Drill Pipe Length 2,688 ft. I.D. 3 1/2 in.  
Chlorides 4,000 P.P.M. Test Tool Length 22 ft. Tool Size 3 1/2 - IF in.  
Jars: Make Sterling Serial Number Not Run Anchor Length 90' perf. w/ 170' drill pipe Size 4 1/2 - FH in.  
Did Well Flow? No Reversed Out No Surface Choke Size 1 in. Bottom Choke Size 5/8 in.  
Main Hole Size 7 7/8 in. Tool Joint Size 4 1/2 - XH in.

Blow: 1st Open: Weak, 2 in., blow. No blow back during shut-in.  
2nd Open: Weak, 1 in., blow. No blow back during shut-in.

Recovered 50 ft. of very slightly oil cut mud = .246000 bbls. (Grind out: 2%-oil; 98%-mud)

Recovered          ft. of         

Recovered          ft. of         

Recovered          ft. of         

Recovered          ft. of         

Remarks         

Time Set Packer(s) 4:45 ~~PM~~ <sup>A.M.</sup> Time Started Off Bottom 7:15 ~~PM~~ <sup>A.M.</sup> Maximum Temperature 95°  
Initial Hydrostatic Pressure ..... (A) 1364 P.S.I.  
Initial Flow Period ..... Minutes 30 (B) 30 P.S.I. to (C) 35 P.S.I.  
Initial Closed In Period ..... Minutes 60 (D) 113 P.S.I.  
Final Flow Period ..... Minutes 30 (E) 40 P.S.I. to (F) 43 P.S.I.  
Final Closed In Period ..... Minutes 30 (G) 59 P.S.I.  
Final Hydrostatic Pressure ..... (H) 1337 P.S.I.

## GENERAL INFORMATION

### Client Information:

Company: L D DRILLING INC

Contact: L D DAVIS

Phone:                      Fax:                      e-mail:

### Site Information:

Contact: KIM SHOEMAKER

Phone:                      Fax:                      e-mail:

### Well Information:

Name: 1-24 RSP

Operator: L D DRILLING INC

Location-Downhole:

Location-Surface: S24/20S/18W

### Test Information:

Company: DIAMOND TESTING

Representative: JOHN RIEDL

Supervisor: KIM SHOEMAKER

Test Type: STRADDLE                      Job Number: D948

Test Unit:

Start Date: 2011/04/30                      Start Time: 03:04:00

End Date: 2011/04/30                      End Time: 09:30:00

Report Date: 2011/04/30                      Prepared By: JOHN RIEDL

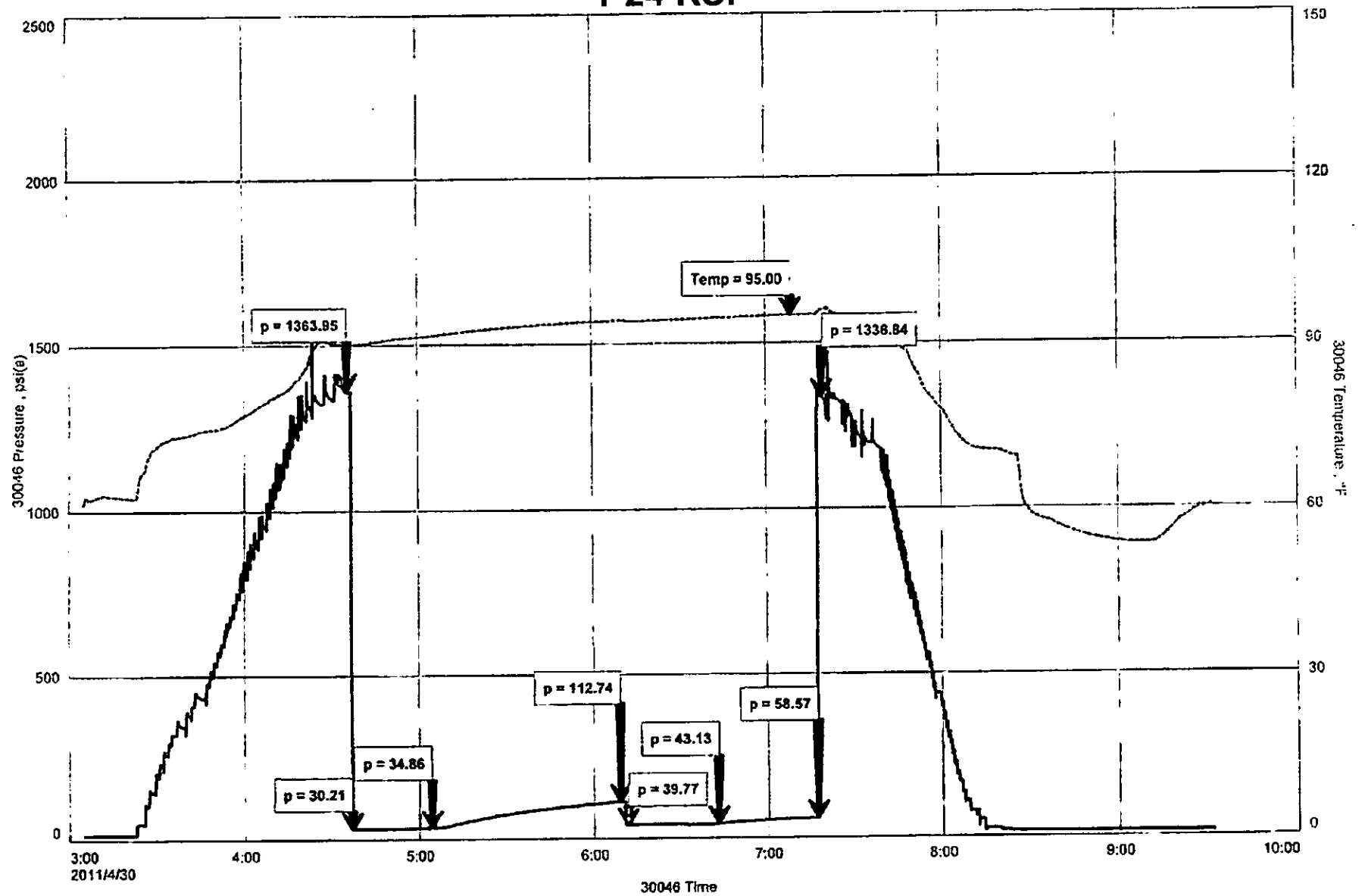
Remarks:                      Qualified By: KIM SHOEMAKER

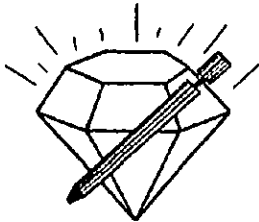
RECOVERY: 50' VERY SLIGHTL OIL CUT MUD

L D DRILLING INC  
Start Test Date: 2011/04/30  
Final Test Date: 2011/04/30

1-24 RSP  
Formation: TORONTO  
Job Number: D948

# 1-24 RSP





# DIAMOND TESTING

P.O. Box 157  
HOISINGTON, KANSAS 67544  
(620) 653-7550 • (800) 542-7313  
STC 30046.D949

Company L. D. Drilling, Inc. Lease & Well No. RSP No. 1-24  
Elevation 1749 KB Formation Arbuckle Effective Pay      Ft. Ticket No. J2744  
Date 4-30-11 Sec. 24 Twp. 20S Range 11W County Barton State Kansas  
Test Approved By Kim B. Shoemaker Diamond Representative John C. Riedl

Formation Test No. 3 Interval Tested from 3,220 ft. to 3,250 ft. Total Depth 3,250 ft.  
Packer Depth 3,215 ft. Size 6 3/4 in. Packer Depth      ft. Size      in.  
Packer Depth 3,220 ft. Size 6 3/4 in. Packer Depth      ft. Size      in.  
Depth of Selective Zone Set      ft.

Top Recorder Depth (Inside) 3,223 ft. Recorder Number 30046 Cap. 6,000 psi  
Bottom Recorder Depth (Outside) 3,247 ft. Recorder Number 11073 Cap. 4,000 psi  
Below Straddle Recorder Depth      ft. Recorder Number      Cap.      psi

Drilling Contractor Petromark Drilling LLC - Rig 2 Drill Collar Length 120 ft. I.D. 2 1/4 in.  
Mud Type Chemical Viscosity 56 Weight Pipe Length      ft. I.D.      in.  
Weight 9.0 Water Loss 12.0 cc. Drill Pipe Length 3,078 ft. I.D. 3 1/2 in.  
Chlorides 8,000 P.P.M. Test Tool Length 22 ft. Tool Size 3 1/2 - IF in.  
Jars: Make Sterling Serial Number Not Run Anchor Length 30 ft. Size 4 1/2 - FH in.  
Did Well Flow? No Reversed Out No Surface Choke Size 1 in. Bottom Choke Size 5/8 in.  
Main Hole Size 7 7/8 in. Tool Joint Size 4 1/2 - XH in.

Blow: 1st Open: Strong blow. Off bottom of bucekt in 5 mins. No blow back during shut-in.  
2nd Open: Strong blow. Off bottom of bucket in 10 mins. No blow back during shut-in.

Recovered 2 ft. of free oil = .028460 bbls.  
Recovered 998 ft. of slightly mud cut water = 13.084340 bbls. (Grind out: 5% mud; 95% water) Chlorides: 14,000 Ppm  
Recovered 1,000 ft. of TOTAL FLUID = 13.112800 bbls.  
Recovered      ft. of       
Recovered      ft. of       
Remarks     

Time Set Packer(s) 10:50 ~~P.M.~~ <sup>A.M.</sup> Time Started Off Bottom 1:50 ~~P.M.~~ <sup>A.M.</sup> Maximum Temperature 108°  
Initial Hydrostatic Pressure ..... (A) 1584 P.S.I.  
Initial Flow Period ..... Minutes 30 (B) 49 P.S.I. to (C) 235 P.S.I.  
Initial Closed In Period ..... Minutes 45 (D) 775 P.S.I.  
Final Flow Period ..... Minutes 45 (E) 250 P.S.I. to (F) 415 P.S.I.  
Final Closed In Period ..... Minutes 60 (G) 776 P.S.I.  
Final Hydrostatic Pressure ..... (H) 1528 P.S.I.

## GENERAL INFORMATION

### Client Information:

Company: L D DRILLING INC

Contact: L D DAVIS

Phone:                              Fax:                              e-mail:

### Site Information:

Contact: KIM SHOEMAKER

Phone:                              Fax:                              e-mail:

### Well Information:

Name: 1-24 RSP

Operator: L D DRILLING INC

Location-Downhole:

Location-Surface: S24/26S/18W

### Test Information:

Company: DIAMOND TESTING

Representative: JOHN RIEDL

Supervisor: KIM SHOEMAKER

Test Type: CONVENTIONAL                              Job Number: D949

Test Unit:

Start Date: 2011/04/30                              Start Time: 21:40:00

End Date: 2011/05/01                              End Time: 04:30:00

Report Date: 2011/05/01                              Prepared By: JOHN RIEDL

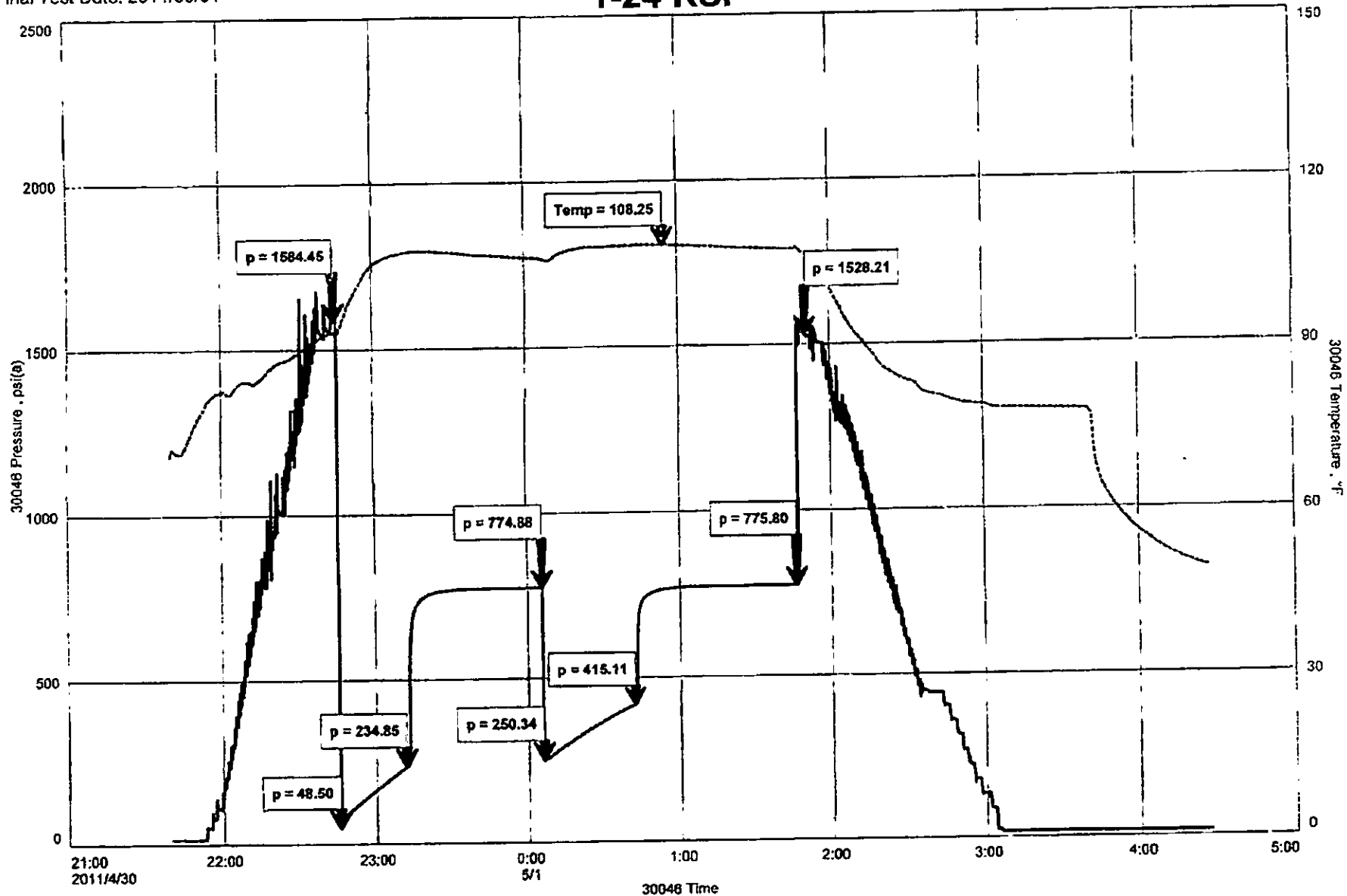
Remarks:                              Qualified By: KIM SHOEMAKER

RECOVERY: 2' FREE OIL. 998' MUD CUT WATER

L D DRILLING INC  
Start Test Date: 2011/04/30  
Final Test Date: 2011/05/01

1-24 RSP  
Formation: ARBUCKLE  
Job Number: D949

# 1-24 RSP





W. B. ...  
 ...  
 ...

L.D. DRILLING, INC.

WELL NO. 24

WELL TYPE 206

LOC. C SE NW

SECTION 24

TOWNSHIP 20S

RANGE 11W

COUNTY BARTON

STATE KANSAS

WELL NAME PETROMARK DRILLING RIG 2

DATE 4-26-11

TIME 5:22:11

DEPTH 3350

LOG TYPE CHEMICAL

LOG NO. 2600

LOG TYPE CHEMICAL

LOG NO. 2600

LOG TYPE CHEMICAL

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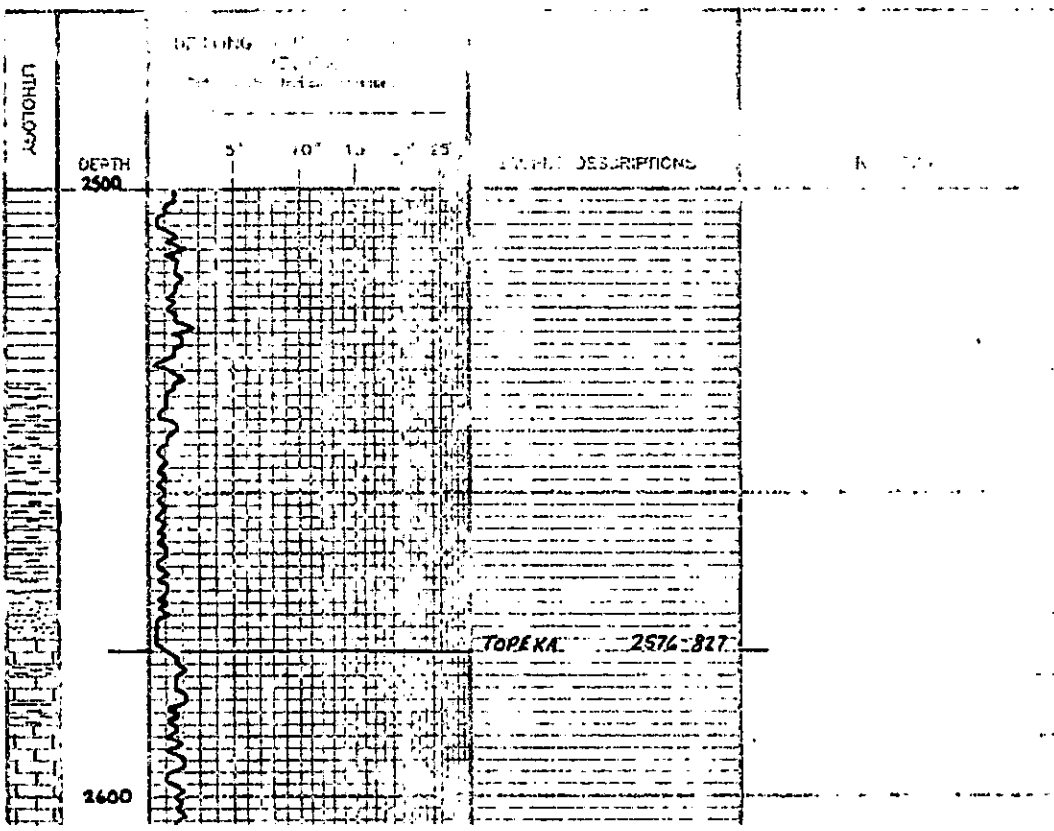
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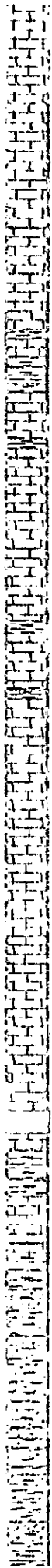
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REMARKS

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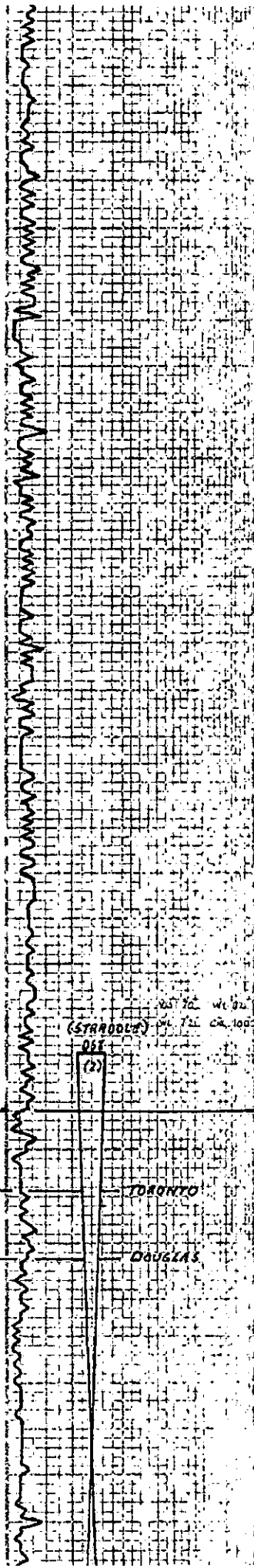




2700

2800

2900



(STRADDLE)  
051  
(2)

TORONTO

DOUGLAS

Samples are tagged

26. 27g

26. 28g

27. 29g - 30. 30g - 31. 31g - 32. 32g

33. 33g - 34. 34g

35. 35g - 36. 36g - 37. 37g - 38. 38g

39. 39g - 40. 40g

41. 41g - 42. 42g

43. 43g - 44. 44g

HEEBNER 2892-1083

45. 45g - 46. 46g

47. 47g - 48. 48g - 49. 49g - 50. 50g

51. 51g - 52. 52g

53. 53g - 54. 54g

55. 55g - 56. 56g

57. 57g - 58. 58g

59. 59g - 60. 60g

(STRADDLE)

DST (2) 2892-3000

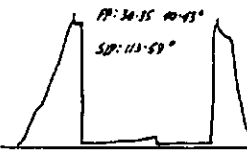
1st Run: 2892-2900  
2nd Run: 2900-3000

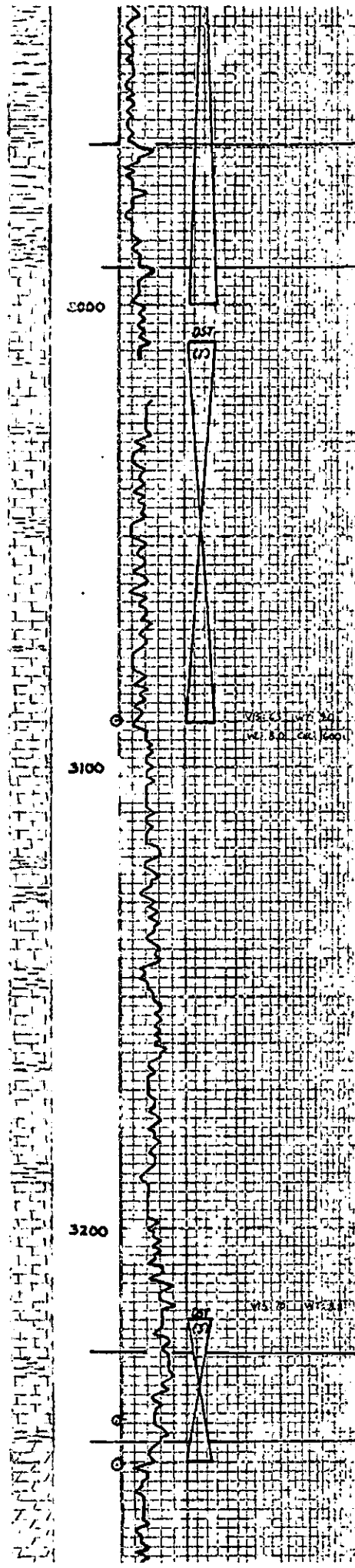
30-30-30-30

Rec. 80' (2892-3000)

PP: 30-35 40-45  
SP: 110-50°

Temp  
95°





Sh. Calc. Silty

Sh. Gyps.

**BROWN LIME 2965-1216**  
 25. Top of Pale. Sh. Foss. to Top of Pale. Sh. at base of V.S.P.

Sh. Blue G. Calc. 3017-34

**LANSING 2992-1213**

25. Top of Pale. Sh. Foss. to Top of Pale. Sh. at base of V.S.P.

25. Top of Pale. Sh. Foss. to Top of Pale. Sh. at base of V.S.P.

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25. Top of Pale. Sh. Foss. to Top of Pale. Sh. at base of V.S.P.

**BIRK 3227-1478**

25. Top of Pale. Sh. Foss. to Top of Pale. Sh. at base of V.S.P.

**ARBUCKLE 3246-2497**

25. Top of Pale. Sh. Foss. to Top of Pale. Sh. at base of V.S.P.

25. Top of Pale. Sh. Foss. to Top of Pale. Sh. at base of V.S.P.

25. Top of Pale. Sh. Foss. to Top of Pale. Sh. at base of V.S.P.

(2 Collars (20-ft) from well Dist)

**DST (1) 3008-3090**

30-45-45-60  
 Rev. 300' G.I.P.

630' MGD (207M, 407.6, 407.0)  
 570' GW (107.6, 107.0)  
 CML 27,000

TF 1200'

FP: 101-326'  
 SIP: 87-873'

Temp. 102°F

14000' Bottom burst 14 min. 88' Bottom burst 3 min. 88'

14000' Bottom burst 5 min. 10' 88'

30-45-45-60  
 Rev. 2' CO

TF 1000' 398' AMW (57.1M, 57.0M)  
 CML 14,000

FP: 49135'  
 SIP: 775-776'

Temp. 108°F

14000' Bottom burst 5 min. 10' 88'

14000' Bottom burst 5 min. 10' 88'

14000' Bottom burst 5 min. 10' 88'

14000' Bottom burst 5 min. 10' 88'

14000' Bottom burst 5 min. 10' 88'

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14000' Bottom burst 5 min. 10' 88'

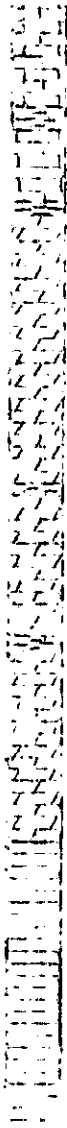
14000' Bottom burst 5 min. 10' 88'

14000' Bottom burst 5 min. 10' 88'

14000' Bottom burst 5 min. 10' 88'

14000' Bottom burst 5 min. 10' 88'

14000' Bottom burst 5 min. 10' 88'



3300



11 2 4 5 20 2

**BIRC 3227-1170**

Sh. 44.6 y.

15. 2 4 5 20 2

**ARGUCKEE 3276-1987**

Dist. from H. ...

Samples in TD not logged

24 Dist. from H. ...

25 Dist. from H. ...

26 Dist. from H. ...

27 Dist. from H. ...

28 Dist. from H. ...

29 Dist. from H. ...

30 Dist. from H. ...

31 Dist. from H. ...

32 Dist. from H. ...

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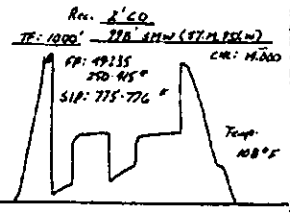
56 Dist. from H. ...

57 Dist. from H. ...

58 Dist. from H. ...

59 Dist. from H. ...

60 Dist. from H. ...



3350-1191