



KANSAS CORPORATION COMMISSION 1057401  
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  SLOW  
 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 #: \_\_\_\_\_  
04/18/2011 04/24/2011 05/19/2011  
Spud Date or Date Reached TD Completion Date or Recompletion Date

API No. 15 - 15-185-23675-00-00  
Spot Description: \_\_\_\_\_  
S2 SW NE NW Sec. 3 Twp. 21 S. R. 12  East  West  
1150 Feet from  North /  South Line of Section  
1650 Feet from  East /  West Line of Section  
Footages Calculated from Nearest Outside Section Corner:  
 NE  NW  SE  SW  
County: Stafford  
Lease Name: W S Well #: 1-3  
Field Name: CHASE-SILICA  
Producing Formation: ARBUCKLE  
Elevation: Ground: 1851 Kelly Bushing: 1851  
Total Depth: 3555 Plug Back Total Depth: 3514  
Amount of Surface Pipe Set and Cemented at: 344 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: 10000 ppm Fluid volume: 160 bbls  
Dewatering method used: Hauled to Disposal  
Location of fluid disposal if hauled offsite: \_\_\_\_\_  
Operator Name: L. D. DRILLING, INC.  
Lease Name: MERMIS License #: 6049  
Quarter SE Sec. 3 Twp. 21 S. R. 12  East  West  
County: STAFFORD Permit #: D21526

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 Garrison Date: /06/09/2011



1057401

Operator Name: L. D. Drilling, Inc. Lease Name: W S Well #: 1-3  
 Sec. 3 Twp. 21 S. R. 12  East  West County: Stafford

**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	ANHYDRITE	628	+1223
Electric Log Run	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	TOPEKA	2778	-927
Electric Log Submitted Electronically (If no, Submit Copy)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	HEEBNER	3048	-1197
List All E. Logs Run:		BROWN LIME	3178	-1327
DUAL COMPENSATED POROSITY LOG		LANSING	3193	-1342
DUAL INDUCTION LOG		BASE KANSAS CITY	3407	-1556
SOMC CEMENT BOND LOG		ARBUCKLE	3427	-1576

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	344	A-CONN	175	
SURFACE - CONT	12.25	8.625	24	344	COMMON	200	2% Gel, 3% CC
PRODUCTION	7.875	5.5	14	3547	60/40 POZMIX	180	

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
<input checked="" type="checkbox"/> Perforate				
<input type="checkbox"/> Protect Casing	3430-3465	COMMOM	125	.25% DeFoamer, .5% FLA, .5% CFR
<input type="checkbox"/> Plug Back TD	3430-3465	COMMOM	25	
<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 (Amount and Kind of Material Used)	Depth
4	3430 - 3434'; 3438 - 3442'	3700 gal 28% HCL FE NE Acid	
4	3444 - 3448'; 3448 - 3451'	300 gal 15% HCL FE NE Acid	
4	3461 - 3464'; 3444 - 3448'		

TUBING RECORD:	Size: <u>2.375</u>	Set At: <u>3510</u>	Packer At:	Liner Run: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumed Production, SWD or ENHR. <u>05/22/2011</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

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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**BASIC**<sup>SM</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 03990 A

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

DATE OF JOB <b>4-18-11</b> DISTRICT <b>Pratt</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>W.S.</b>		WELL NO. <b>1-3</b>					
ADDRESS		COUNTY <b>Stafford</b>		STATE <b>KS</b>					
CITY		STATE		SERVICE CREW <b>O.L. Jo, W. Jo, Burger</b>					
AUTHORIZED BY		JOB TYPE: <b>CNU - 8 1/2 Surface</b>							
EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS	TRUCK CALLED	DATE	AM	TIME
<b>27282</b>	<b>4</b>						<b>4-18-11</b>	<b>AM</b>	<b>5:30</b>
<b>27463</b>	<b>4</b>						<b>4-18-11</b>	<b>AM</b>	<b>7:00</b>
<b>19201-2101</b>	<b>7</b>						<b>4-18-11</b>	<b>AM</b>	<b>11:00</b>
							<b>4-18-11</b>	<b>AM</b>	<b>11:30</b>
							<b>4-19-11</b>	<b>AM</b>	<b>12:30</b>
						MILES FROM STATION TO WELL	<b>45</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: \_\_\_\_\_  
(WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)

ITEM/PRICE REF. NO.	MATERIAL, EQUIPMENT AND SERVICES USED	UNIT	QUANTITY	UNIT PRICE	\$ AMOUNT	
CP101	Acum Blend	SK	175		3150.00	
CP100	Common	SK	200		3200.00	
CC700	Cellulose	Lb	94		347.80	
CC109	Calcium Chloride	Lb	1055		1111.75	
CC200	Cement Gel	Lb	376		94.00	
CE153	Wooden Cement Plug	ea	1		160.00	
E100	Pickup mileage	mi	4.5		191.25	
E101	Heavy equipment mileage	mi	9.0		630.00	
E113	Bulk Delivery	lb	791		1270.80	
CE200	Depth Charge 0-500'	ea	1		1000.00	
CE240	Cement Service Charge	SK	375		525.00	
CE504	Plug Cement	ea	1		250.00	
S003	Service Supervisor	hr	1		175.00	
					SUB TOTAL	9321.47

CHEMICAL / ACID DATA:			

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

SERVICE REPRESENTATIVE **Steve Dillards** THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY: \_\_\_\_\_  
(WELL OWNER OPERATOR CONTRACTOR OR AGENT)

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



**BASIC**  
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PRESSURE PUMPING & WIRELINE

10244 NE Hwy. 61  
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Pratt, Kansas 67124  
Phone 620-672-1201

FIELD SERVICE TICKET  
1718 03967 A

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

DATE OF JOB <u>4-25-11</u> DISTRICT <u>Pratt KC</u>				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 <u>L.D. Drilling</u>				LEASE <u>W.S. 1-3</u>		WELL NO.	
ADDRESS				COUNTY <u>STAFFORD</u>		STATE <u>KS</u>	
CITY STATE				SERVICE CREW <u>Sullivan, N. J. Hill, H. K.</u>			
AUTHORIZED BY				JOB TYPE: <u>new 5 1/2 hole string</u>			
EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS	TRUCK CALLED <u>4-24-11</u>	DATE <u>4-24-11</u> AM <u>0900</u>
<u>19889-19842</u>	<u>30</u>	<u>mi</u>				ARRIVED AT JOB <u>4-4-11</u>	AM <u>1115</u>
<u>19831 21010</u>	<u>30</u>	<u>mi</u>				START OPERATION <u>4-25-11</u>	AM <u>0250</u>
<u>37900</u>						FINISH OPERATION	AM <u>0320</u>
						RELEASED	AM <u>0415</u>
						MILES FROM STATION TO WELL	<u>45</u>

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

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SIGNED: \_\_\_\_\_  
(WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)

ITEM/PRICE REF. NO.	MATERIAL, EQUIPMENT AND SERVICES USED	UNIT	QUANTITY	UNIT PRICE	\$ AMOUNT
CP 103	60/40 p-2 cmt	SK	150		1,800 00
CP 103	60/40 p-2 cmt	SK	30		360 00
CC 102	Callfake	lb	38		140 60
CC 111	Salt	lb	133		666 50
CC 112	cmt Tensar Bedrock	lb	97		502 00
CC 201	gelsite	lb	750		502 50
CF 103	Top Rubber Plug 5 1/2	SH	1		105 00
CF 251	guide shoe	SH	1		250 00
CF 1451	Flappon 1 1/2 S.D. Block	SH	1		215 00
CF 1651	Turbolizer	SH	5		550 00
C 704	KCL Sol	gal	1		350 00
CC 151	mud-Huck	gal	500		430 00
C 100	ducky mudline	mi	45		191 25
C 101	Heavy Agent	mi	90		630 00
C 113	Bulk Deline	mi	349		558 00
CE 204	Depth Change 2001-4600	SH	1		2,160 00
CE 240	Blending - Mixing	SH	180		252 00
CE 504	Flow Control Material	SH	1		250 00
5003	Schedule Supervisors	SH	1		175 00
SUB TOTAL					<u>7586 69</u>

CHEMICAL / ACID DATA:			

SERVICE & EQUIPMENT	%TAX ON \$	
MATERIALS	%TAX ON \$	
<i>Thank you</i>		TOTAL
		<u>7,586.69</u>

SERVICE REPRESENTATIVE <u>Robert Sullivan</u>	THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY: _____ (WELL OWNER OPERATOR CONTRACTOR OR AGENT)
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FIELD SERVICE ORDER NO. \_\_\_\_\_

Customer <i>L. D. Dralby</i>	Lease No.	Date <i>4-25-11</i>	
Lease <i>S.W.</i>	Well # <i>1-3</i>		
Field Order # <i>3907</i>	Station <i>PRA II KS</i>	Casing <i>5 1/2</i>	Depth <i>3547</i>
Type Job <i>CNW 5 1/2 LongStip</i>		County <i>STAFFORD</i>	State <i>KS</i>
Formation		Legal Description <i>2-21-12</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>3547</i>	Depth	From	To	Pre Pad	Max		5 Min.	
Volume <i>84</i>	Volume	From	To	Pad	Min		10 Min.	
Max Press <i>1500</i>	Max Press	From	To	Frac	Avg		15 Min.	
Well Connection <i>P.C.</i>	Annulus Vol.	From	To		HHP Used		Annulus Pressure	
Plug Depth <i>3238</i>	Packer Depth	From	To	Flush	Gas Volume		Total Load	

Customer Representative	Station Manager <i>DAVE Scott</i>	Treater <i>Robert Williams</i>
Service Units <i>37900 19549 15242 19831 21010</i>		
Driver Names <i>Sullivan Mitchell Hunter</i>		

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
<i>1115 hr</i>					<i>on w. Saffly matry</i>
					<i>Run 5 1/2 14 c.g</i>
					<i>cent 1.3579</i>
<i>0140</i>					<i>CASING on Bottom</i>
<i>0150</i>					<i>Hook Up To Circ.</i>
<i>0250</i>	<i>200</i>		<i>20</i>	<i>3</i>	<i>at KCL SPACER</i>
			<i>12</i>	<i>4</i>	<i>at mud flush</i>
			<i>3</i>		<i>SPACER</i>
				<i>5.5</i>	<i>mix cont 150 sk 60/40 por cont 15.4 por</i>
			<i>38</i>		<i>shut down cont mix to wash pump, L-12</i>
					<i>Retros- Plug</i>
				<i>5.5</i>	<i>at Ding</i>
	<i>250</i>		<i>64</i>		<i>lit + Psi</i>
	<i>750</i>			<i>4</i>	<i>slow Rate</i>
<i>0220</i>	<i>1200</i>		<i>84</i>		<i>slow down</i>
			<i>6</i>		<i>plug R.H</i>
					<i>SOB Complete</i>
					<i>Thank you</i>



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

FIELD SERVICE TICKET  
1718 03519 A

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

DATE OF JOB 5/9/11	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 W.S.		WELL NO. 13			
ADDRESS		COUNTY STAFFORD	STATE KS.				
CITY		SERVICE CREW KG, MESSER, DALL					
AUTHORIZED BY		JOB TYPE: CNW - SOURCE					
EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS	TRUCK CALLED	TIME
19907	4	19900	4			SP	AM 1000
		19918					PM 1300
19903	4						AM 1345
19905	4						AM 1715
							AM 1800
						MILES FROM STATION TO WELL	50

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

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SIGNED: \_\_\_\_\_  
(WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)

ITEM/PRICE REF. NO.	MATERIAL, EQUIPMENT AND SERVICES USED	UNIT	QUANTITY	UNIT PRICE	\$ AMOUNT	
CP160	CEMENT	SK	100		1,600.00	
CP100	CEMENT	SA	25		400.00	
CC105	DEFORMER	Lb	6		24.00	
CC112	LIFL	Lb	12		72.00	
CC179	FLA-322	Lb	12		90.00	
P700	20/40 SATEX SAND	cu ft	2		62.00	
E100	PICKUP MILE	mile	45		191.25	
E101	TRUCK MILE	mile	90		630.00	
E113	BULK DELIVERY	TM	266		424.80	
CE204	PLUMB CHARGE	HR	1		2160.00	
CE240	BLENDING CHARGE	SF	125		175.00	
5003	SERVICE SUPERVISOR	HR	1		175.00	
CE500	SOURCE 26 (MINNAPOLIS)	HR	1		430.00	
					SUB TOTAL	4954.22
					DLS	

CHEMICAL / ACID DATA:			

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

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

FIELD SERVICE ORDER NO.

PAGE 1

# BASIC

energy services, L.P.

## TREATMENT REPORT

Customer	W. S. DALLING	Lease No.		Date	5-9-11
Lease	W. S.	Well #	1-3		
Field Order #	3819	Station	PRATT, KS.	Casing	5 1/2
Type Job	CNW - SQUEEZE	Depth		County	STAFFORD
		Formation	ARBUCKLE	State	KS.
		Legal Description	3-21-12		

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size	Tubing Size	Shots/Ft		Acid	RATE	PRESS	ISIP	
5 1/2	4 1/2			Pre Pad	Max		5 Min.	
Depth	Depth	From	To	Pad	Min		10 Min.	
Volume	Volume	From	To	Frac	Avg		15 Min.	
2.6	12.8				HHP Used		Annulus Pressure	
Max Press	Max Press	From	To	Flush	Gas Volume		Total Load	
Well Connection	Annulus Vol.	From	To					
Plug Depth	Packer Depth	From	To					
3474	3320							

Customer Representative	W.S.	Station Manager	SCOTT	Treater	GORDLEY
Service Units	14907	19903-19905	19900-19918		
Driver Names	KG	MESSECK	DICE		

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
1300					CNW LOCATION
1415			12	2	SPOT STOPS ON RBP WAIT 30 MIN. SET PRR - 3320 PERFS - 3430 - 3465
1500	500		15	1	LOAD ANN - 500'
		300	6	2 1/2	INT. RATE - 2 1/2 BPM - 300'
					MIX CEMENT
1515		300	5	2 1/2	25% STD 1/4" FLOW, 1/2" FLOW, 1/2% CFL
		200	10	2 1/2	50% COMMON
		200	0	2 1/2	START TEST
		1200	13	1	PACKER CLEAR
		1300	16	1	PERFS CLEAR
		1300	19	1	OVERFLOW 366'
		1100	10	1	MIX 50% COMMON
		1100	0	1	START TEST
		1200	6	1	CEMENT AT PERFS
1545		2000	10	1/2	2000' - STOP
		2000			STAGEING
1600					RELEASE PSF - NO HOLD
		2000			STAGEING
1630					RELEASE PSF - 100 HOLD

PAGE 2

# BASIC

energy services, L.P.

## TREATMENT REPORT

Customer <b>LD DRILLING</b>	Lease No.	Date <b>5-9-11</b>
Lease <b>W.S.</b>	Well # <b>1-3</b>	
Field Order # <b>3517</b>	Station <b>PRATT, KS.</b>	Casing <b>5 1/2</b>
Type Job <b>CONV - SQUEEZE</b>	Depth	County <b>STAFFORD</b> State <b>KS</b>
	Formation <b>ARKVILLE</b>	Legal Description <b>3-2-12</b>

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size	Tubing Size	Shots/Ft		Acid	RATE	PRESS	ISIP	
5 1/2	2 3/8			Pre Pad	Max		5 Min.	
Depth	Depth	From <b>7430</b>	To <b>3465</b>	Pad	Min		10 Min.	
Volume <b>2.6</b>	Volume <b>1.8</b>	From	To	Frac	Avg		15 Min.	
Max Press	Max Press	From	To		HHP Used		Annulus Pressure	
Well Connection	Annulus Vol.	From	To	Flush	Gas Volume		Total Load	
Plug Depth <b>3474</b>	Packer Depth <b>3520</b>	From	To					

Customer Representative <b>LD</b>	Station Manager <b>SCOTT</b>	Treater <b>GORSLEY</b>
Service Units		
Driver Names		

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
		2000			STAGEING
		1500			SHUT DN TBC - 1500'
					WASH UP TRAIL
1650		1500			OPEN TBC VALVE - 1500'
					RELEASE PSL - SLOWLY LEAKED
					1 1/2 bbl BEFORE IT STOPPED.
					RELEASE PACKER
1700	600		25	2 1/2	REVERSE OUT - 3 bbl (2) (2)
					YELL 5 HS & SET PWR
1715		500			PSL UP ON SQUEEZE TO 500'
		400			SLOW LEAK TO 400'
					AND STOPPED.
1720		500			KEEP TO 500' & SHUT DN
1800					TDS COMPLETE - KELEN



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PRESSURE PUMPING & WIRELINE

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

FIELD SERVICE TICKET  
1718 03521 A

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

DATE OF JOB <u>5/11/11</u> DISTRICT <u>PRATT, Ks</u>		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 <u>LD DRILLING, INC</u>		LEASE <u>W.S.</u>		WELL NO. <u>1-3</u>	
ADDRESS		COUNTY <u>STAFFORD</u> STATE <u>Ks</u>			
CITY STATE		SERVICE CREW <u>KC, MESSER, MINOR, McCune</u>			
AUTHORIZED BY		JOB TYPE: <u>CW - SQUEEZE</u>			
EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS
<u>19901</u>	<u>1 1/2</u>	<u>19826</u>	<u>1 1/2</u>		
		<u>19860</u>	<u>1 1/2</u>		
<u>37216</u>	<u>1 1/2</u>				
<u>19903</u>	<u>1 1/2</u>				
<u>19905</u>					
TRUCK CALLED <u>5-7</u> DATE <u>5-11</u> AM <u>1100</u> PM <u>1100</u>					
ARRIVED AT JOB AM <u>1230</u> PM <u>1230</u>					
START OPERATION AM <u>1300</u> PM <u>1300</u>					
FINISH OPERATION AM <u>1230</u> PM <u>1230</u>					
RELEASED AM <u>1600</u> PM <u>1600</u>					
MILES FROM STATION TO WELL <u>45</u>					

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
<u>E110</u>	<u>COMMON CEMENT</u>	<u>SK</u>	<u>25</u>		<u>400.00</u>
<u>E111</u>	<u>PUMP ATTACHE</u>	<u>mile</u>	<u>45</u>		<u>191.25</u>
<u>E101</u>	<u>TRUCK ATTACHE</u>	<u>mile</u>	<u>90</u>		<u>630.00</u>
<u>E113</u>	<u>BULL ATTACHE</u>	<u>TR</u>	<u>53</u>		<u>86.40</u>
<u>E204</u>	<u>PUMP ATTACHE</u>	<u>EA</u>	<u>1</u>		<u>2160.00</u>
<u>E240</u>	<u>BLENDED CHARGE</u>	<u>SK</u>	<u>20</u>		<u>35.00</u>
<u>5003</u>	<u>SERVICE SUPERVISOR</u>	<u>EA</u>	<u>1</u>		<u>175.00</u>

SUB TOTAL DLS 2831.79

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 <i>L.A. Drawings</i>	Lease No.	Date
Lease <i>W.S.</i>	Well # <i>1-3</i>	<i>5-11-11</i>
Field Order # <i>3321</i>	Station <i>PRATT KS.</i>	Casing <i>3/4</i>
Type Job <i>1" NW - SQUEEZE</i>	Depth	County <i>STAFFORD</i>
	Formation <i>17RB</i>	State <i>KS</i>
	Legal Description	<i>3-21-12</i>

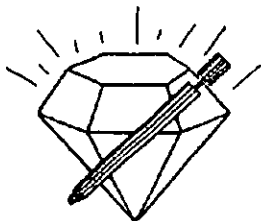
PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size	Tubing Size	Shots/Ft		Acid	RATE	PRESS	ISIP	
<i>3/4</i>	<i>2 7/8</i>							
Depth	Depth	From <i>3430</i>	To <i>3465</i>	Pre Pad	Max		5 Min.	
Volume	Volume	From	To	Pad	Min		10 Min.	
Max Press	Max Press	From	To	Frac	Avg		15 Min.	
Well Connection	Annulus Vol.	From	To		HHP Used		Annulus Pressure	
Plug Depth	Packer Depth	From	To	Flush	Gas Volume		Total Load	

Customer Representative <i>LD</i>	Station Manager <i>SCULLY</i>	Treater <i>WENDEL</i>
Service Units <i>14407</i>	<i>37216</i>	<i>14403-19905</i>
Driver Names <i>166</i>	<i>WESSMAN</i>	<i>W. VITAL</i>
		<i>1876 GRAN</i>

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
<i>1230</i>					<i>CW LOCATION</i>
					<i>PACKER SET AT 3350</i>
					<i>PERFS - 3430 - 3465</i>
					<i>PSI TEST DRILL WITH PERFS.</i>
		<i>500</i>			<i>500# - SLOW LEAK TO 400#</i>
		<i>1000</i>			<i>1000# - SLOW LEAK TO 400#</i>
		<i>1500</i>			<i>1500# - SLOW LEAK TO 1400#</i>
					<i>LIQUID PUMP STANDING INTO LEAK</i>
					<i>RUN PACKER TO 3465'</i>
<i>1400</i>		<i>400</i>	<i>10+5+12</i>	<i>2</i>	<i>SPOT 25 SK COMMERCIAL PUMP</i>
					<i>WELL UP TO 3253'</i>
	<i>200</i>		<i>25</i>	<i>2</i>	<i>REVERSE CLEAN</i>
					<i>SET PACKER AT 3221</i>
			<i>1/4</i>		<i>LOAD TBG - 1/4 bbl.</i>
		<i>1500</i>	<i>.3</i>		<i>PSI UP TO 1500#</i>
		<i>1400</i>			<i>SLOW LEAK TO 1400#</i>
		<i>2000</i>	<i>.4</i>		<i>PSI UP TO 2000#</i>
		<i>1900</i>			<i>SLOWER LEAK</i>
<i>1445</i>		<i>2100</i>	<i>.5</i>		<i>PSI UP TO 2100#</i>
<i>1510</i>		<i>2100</i>			<i>HELD 2100# FOR 20 MINUTES</i>
					<i>REVERSE - HELD RUN 6 HRS.</i>
<i>1530</i>	<i>400</i>		<i>25</i>	<i>2</i>	<i>REVERSE CLEAN AT 3401</i>

10244 NE Hiway 61 • P.O. Box 8613 • Pratt, KS 67124-8613 • (620) 672-1201 • Fax (620) 672-5383

*1600* . TBG COMPLETE - HOLD FLUCT TBG



**DIAMOND TESTING**  
 P.O. Box 157  
 HOISINGTON, KANSAS 67544  
 (620) 653-7550 • (800) 542-7313  
 STC 30046.D940

Company L. D. Drilling, Inc. Lease & Well No. W S No. 1-3  
 Elevation 1851 KB Formation Lansing/Kansas City "A" - "F" Effective Pay -- Ft. Ticket No. J2735  
 Date 4-21-11 Sec. 3 Twp. 21S Range 12W County Stafford State Kansas

Test Approved By Kim B. Shoemaker Diamond Representative John C. Riedl

Formation Test No. 1 Interval Tested from 3,207 ft. to 3,272 ft. Total Depth 3,272 ft.  
 Packer Depth 3,202 ft. Size 63/4 in. Packer Depth -- ft. Size -- in.  
 Packer Depth 3,207 ft. Size 63/4 in. Packer Depth -- ft. Size -- in.  
 Depth of Selective Zone Set          ft.

Top Recorder Depth (Inside) 3,210 ft. Recorder Number 30046 Cap. 6,000 psi  
 Bottom Recorder Depth (Outside) 3,269 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 7.2 cc. Drill Pipe Length 3,065 ft. I.D. 3 1/2 in.  
 Chlorides 1,600 P.P.M. Test Tool Length 22 ft. Tool Size 3 1/2 - IF in.  
 Jars: Make Starling Serial Number Not Run Anchor Length 65 ft. Size 4 1/2 - PH in.  
 Did Well Flow? No Reversed Out No Surface Choke Size 1 in. Bottom Choke Size 5/8 in.  
 Main Hole Size 7/8 in. Tool Joint Size 4 1/2 - XH in.

Blow: 1st Open: Strong blow, slowly building to 9 ins. No blow back during shut-in.  
2nd Open: Good blow, slowly building to 7 ins. No blow back during shut-in.

Recovered 100 ft. of gas & oil cut mud = .492000 bbls. (Grind out: 10%-gas; 10%-oil; 80%-mud)  
 Recovered          ft. of           
 Recovered          ft. of           
 Recovered          ft. of           
 Recovered          ft. of         

Remarks         

Time Set Packer(s) 10:45 ~~XXX~~ P.M. Time Started Off Bottom 1:45 ~~XXX~~ A.M. Maximum Temperature 101°  
 Initial Hydrostatic Pressure          (A) 1591 P.S.I.  
 Initial Flow Period          Minutes 30 (B) 31 P.S.I. to (C) 49 P.S.I.  
 Initial Closed In Period          Minutes 45 (D) 829 P.S.I.  
 Final Flow Period          Minutes 45 (E) 53 P.S.I. to (F) 75 P.S.I.  
 Final Closed In Period          Minutes 60 (G) 821 P.S.I.  
 Final Hydrostatic Pressure          (H) 1534 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: WS 1-3

Operator: L D DRILLING INC

Location-Downhole:

Location-Surface: S3/21S/12W

### Test Information:

Company: DIAMOND TESTING

Representative: JOHN RIEDL

Supervisor: KIM SHOEMAKER

Test Type: CONVENTIONAL

Job Number: D940

Test Unit:

Start Date: 2011/04/21

Start Time: 21:00:00

End Date: 2011/04/22

End Time: 03:40:00

Report Date: 2011/04/22

Prepared By: JOHN RIEDL

### Remarks:

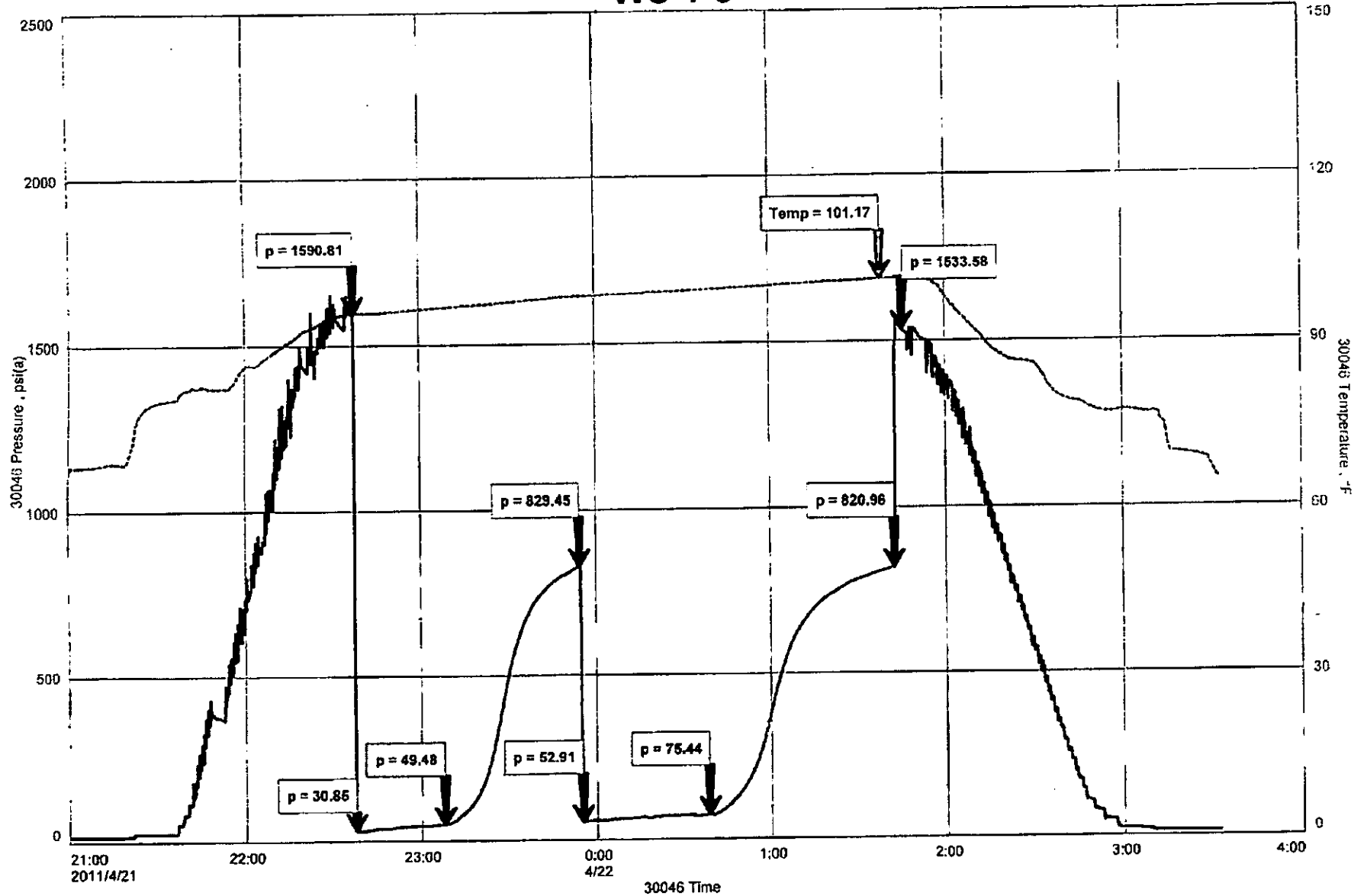
Qualified By: KIM SHOEMAKER

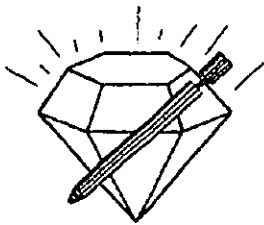
RECOVERY: 100' GAS+OIL CUT MUD

L D DRILLING INC  
Start Test Date: 2011/04/21  
Final Test Date: 2011/04/22

# WS 1-3

WS 1-3  
Formation: LK A-F  
Job Number: D940.





**DIAMOND TESTING**  
P.O. Box 157  
HOISINGTON, KANSAS 67544  
(620) 653-7550 • (800) 542-7313  
STC 30046.D941

Company L. D. Drilling, Inc. Lease & Well No. W S No. 1-3  
Elevation 1851 KB Formation Lansing/Kansas City "H" - "K" Effective Pay -- Ft. Ticket No. J2736  
Date 4-22-11 Sec. 3 Twp. 21S Range 12W County Stafford State Kansas

Test Approved By Kim B. Shoemaker Diamond Representative John C. Riedl

Formation Test No. 2 Interval Tested from 3,311 ft. to 3,387 ft. Total Depth 3,387 ft.  
Packer Depth 3,306 ft. Size 63/4 in. Packer Depth -- ft. Size -- in.  
Packer Depth 3,311 ft. Size 63/4 in. Packer Depth -- ft. Size -- in.  
Depth of Selective Zone Set          ft.

Top Recorder Depth (Inside) 3,314 ft. Recorder Number 30046 Cap. 6,000 psi  
Bottom Recorder Depth (Outside) 3,384 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 65 Weight Pipe Length -- ft. I.D. -- in.  
Weight 9.0 Water Loss 8.8 cc. Drill Pipe Length 3,169 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 76 ft. Size 4 1/2 - PH in.  
Did Well Flow? No Reversed Out No Surface Choke Size          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 blow. Dead in 8 mins. No blow back during shut-in.  
2nd Open: N/A

Recovered 10 ft. of oil specked mud = .049200 bbls.  
Recovered          ft. of           
Recovered          ft. of           
Recovered          ft. of           
Recovered          ft. of           
Remarks         

Time Set Packer(s) 3:40 <sup>XXX.</sup> P.M. Time Started Off Bottom 4:40 <sup>XXX.</sup> P.M. Maximum Temperature 97°  
Initial Hydrostatic Pressure ..... (A) 1644 P.S.I.  
Initial Flow Period ..... Minutes 30 (B) 32 P.S.I. to (C) 34 P.S.I.  
Initial Closed In Period ..... Minutes 30 (D) 60 P.S.I.  
Final Flow Period ..... Minutes -- (E) -- P.S.I. to (F) -- P.S.I.  
Final Closed In Period ..... Minutes -- (G) -- P.S.I.  
Final Hydrostatic Pressure ..... (H) 1624 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: WS 1-3

Operator: L D DRILLING INC

Location-Downhole:

Location-Surface: S3/21S/12W

### Test Information:

Company: DIAMOND TESTING

Representative: JOHN RIEDL

Supervisor: KIM SHOEMAKER

Test Type: CONVENTIONAL Job Number: D941

Test Unit:

Start Date: 2011/04/22 Start Time: 14:40:00

End Date: 2011/04/22 End Time: 18:00:00

Report Date: 2011/04/22 Prepared By: JOHN RIEDL

Qualified By: KIM SHOEMAKER

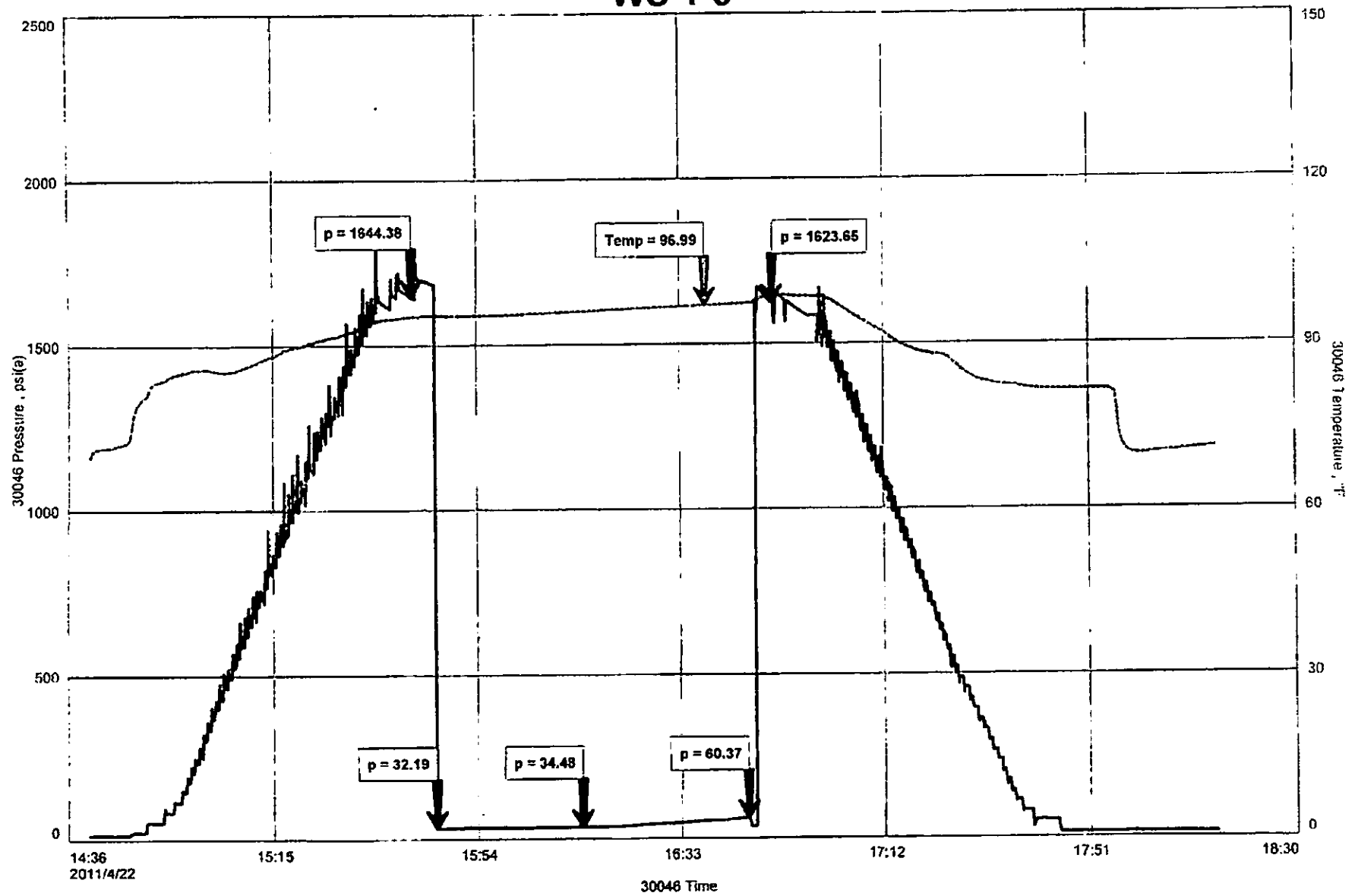
### Remarks:

RECOVERY:10' DRILLING MUD

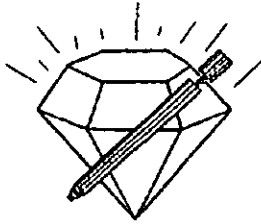
L D DRILLING INC  
Start Test Date: 2011/04/22  
Final Test Date: 2011/04/22

WS 1-3  
Formation: LKC H+K  
Job Number: D942

# WS 1-3







**DIAMOND TESTING**  
P.O. Box 157  
**HOISINGTON, KANSAS 67544**  
(620) 653-7550 • (800) 542-7313  
STC 30046.D942

Company L. D. Drilling, Inc. Lease & Well No. W S No. 1-3  
Elevation 1851 KB Formation Arbuckle Effective Pay      Ft. Ticket No. J2737  
Date 4-23-11 Sec. 3 Twp. 21S Range 12W County Stafford State Kansas  
Test Approved By Kim B. Shoemaker Diamond Representative John C. Riedl

Formation Test No. 3 Interval Tested from 3,399 ft. to 3,447 ft. Total Depth 3,447 ft.  
Packer Depth 3,394 ft. Size 6 3/4 in. Packer Depth      ft. Size      in.  
Packer Depth 3,399 ft. Size 6 3/4 in. Packer Depth      ft. Size      in.  
Depth of Selective Zone Set      ft.

Top Recorder Depth (Inside) 3,402 ft. Recorder Number 30046 Cap. 6,000 psi  
Bottom Recorder Depth (Outside) 3,444 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 7.4 cc. Drill Pipe Length 3,257 ft. I.D. 3 1/2 in.  
Chlorides 4,000 P.P.M. Test Tool Length 22 ft. Tool Size 3 1/2 - 1F in.  
Jars: Make Sterling Serial Number Not Run Anchor Length 48 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 bucket in 25 mins. No blow back during shut-in.  
2nd Open: Strong, 11 in., blow. No blow back during shut-in.

Recovered 300 ft. of gas in pipe  
Recovered 20 ft. of gassy oil = .098400 bbls. (Grind out: 10%-gas; 90%-oil)  
Recovered 120 ft. of mud cut gassy oil = .590400 bbls. (Grind out: 25%-mud; 15%-gas; 60%-oil)  
Recovered 140 ft. of TOTAL FLUID = .688800 bbls.  
Recovered      ft. of       
Remarks     

Time Set Packer(s) 4:35 ~~P.M.~~ <sup>A.M.</sup> Time Started Off Bottom 7:35 ~~P.M.~~ <sup>A.M.</sup> Maximum Temperature 105°  
Initial Hydrostatic Pressure ..... (A) 1708 P.S.I.  
Initial Flow Period ..... Minutes 30 (B) 32 P.S.I. to (C) 68 P.S.I.  
Initial Closed In Period ..... Minutes 45 (D) 810 P.S.I.  
Final Flow Period ..... Minutes 45 (E) 72 P.S.I. to (F) 80 P.S.I.  
Final Closed In Period ..... Minutes 60 (G) 850 P.S.I.  
Final Hydrostatic Pressure ..... (H) 1667 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: WS 1-3

Operator: LD DRILLING INC

Location-Downhole:

Location-Surface: S3/21S/12W

### Test Information:

Company: DIAMOND TESTING

Representative: JOHN RIEDL

Supervisor: KIM SHOEMAKER

Test Type: CONVENTIONAL Job Number: D942

Test Unit:

Start Date: 2011/04/23 Start Time: 03:00:00

End Date: 2011/04/23 End Time: 09:20:00

Report Date: 2011/04/23 Prepared By: JOHN RIEDL

Qualified By: KIM SHOEMAKER

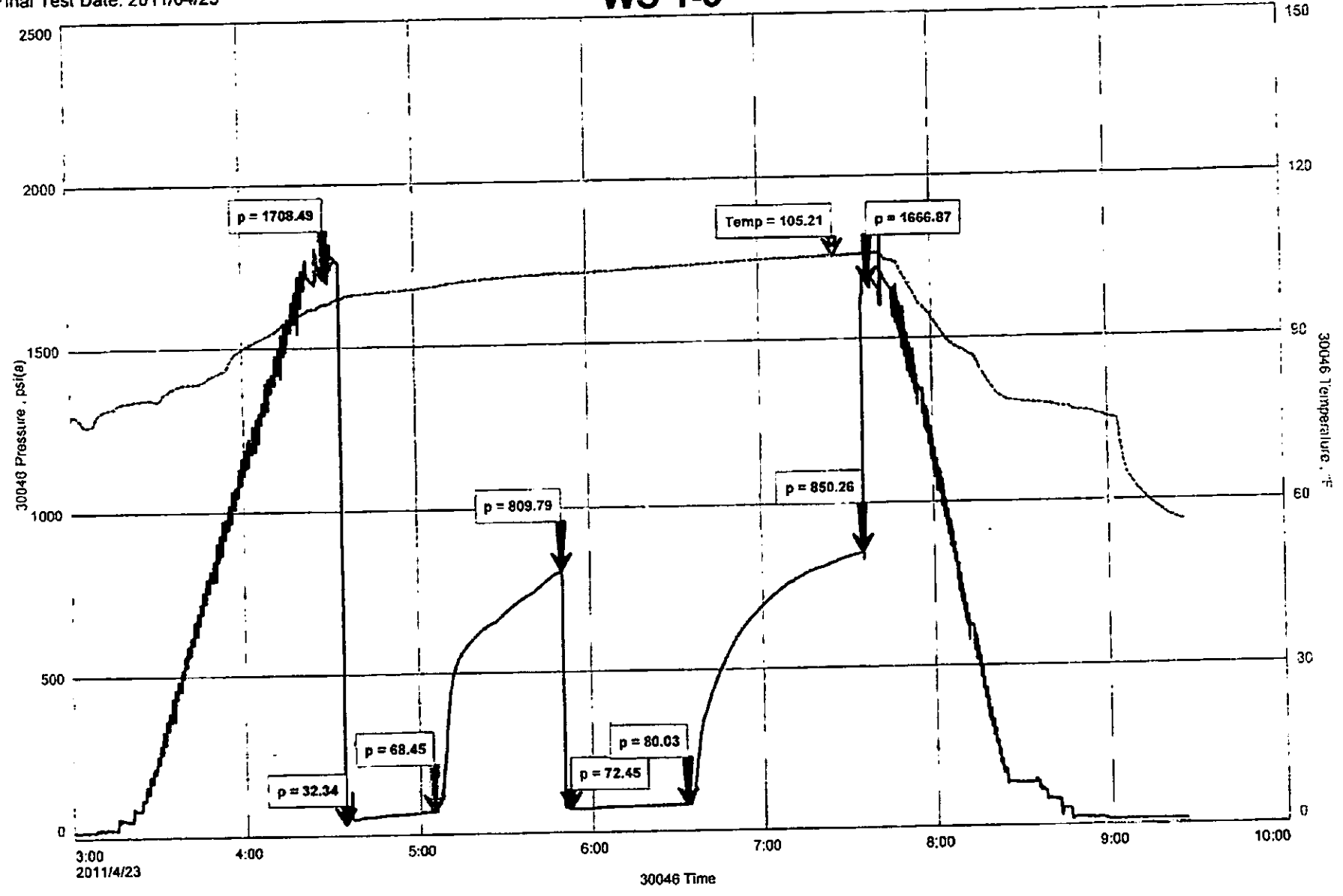
### Remarks:

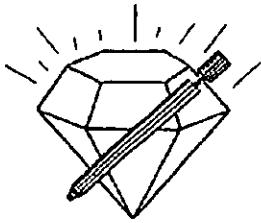
RECOVER: 300' GAS IN PIPE, 20' GASSY OIL, 120' MUD+GAS CUT OIL

L D DRILLING INC  
Start Test Date: 2011/04/23  
Final Test Date: 2011/04/23

WS 1-3  
Formation: ARBUCKLE  
Job Number: D942

# WS 1-3





**DIAMOND TESTING**  
P.O. Box 157  
HOISINGTON, KANSAS 67544  
(620) 653-7550 • (800) 542-7313  
STC 30046.D943

Company L. D. Drilling, Inc. Lease & Well No. W S No. 1-3  
Elevation 1851 KB Formation Arbuckle Effective Pay      Ft. Ticket No. J2738  
Date 4-23-11 Sec. 3 Twp. 21S Range 12W County Stafford State Kansas  
Test Approved By Kim B. Shoemaker Diamond Representative John C. Riedl  
Formation Test No. 4 Interval Tested from 3,445 ft. to 3,460 ft. Total Depth 3,460 ft.  
Packer Depth 3,440 ft. Size 6 3/4 in. Packer Depth      ft. Size      in.  
Packer Depth 3,445 ft. Size 6 3/4 in. Packer Depth      ft. Size      in.  
Depth of Selective Zone Set      ft.

Top Recorder Depth (Inside) 3,448 ft. Recorder Number 30046 Cap. 6,000 psi  
Bottom Recorder Depth (Outside) 3,457 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 7.2 cc. Drill Pipe Length 3,303 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 15 ft. Size 4 1/2 - PH 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 4 mins. Weak, 1 in., blow back during shut-in.  
2nd Open: Strong blow. Off bottom of bucket in 18 mins. Weak, 1 in., blow back during shut-in.

Recovered 310 ft. of gas in pipe  
Recovered 100 ft. of gas cut oil = 1.423000 bbls. (Grind out: 15%-gas; 85%-oil) Gravity: 35 @ 60°  
Recovered 120 ft. of slightly mud cut gassy oil = .590400 bbls. (Grind out: 5%-mud; 20%-gas; 75%-oil)  
Recovered 220 ft. of TOTAL FLUID = 2.013400 bbls.  
Recovered      ft. of       
Remarks     

Time Set Packer(s) 3:35 <sup>XXX</sup> P.M. Time Started Off Bottom 6:35 <sup>XXX</sup> P.M. Maximum Temperature 108°  
Initial Hydrostatic Pressure ..... (A) 1701 P.S.I.  
Initial Flow Period ..... Minutes 30 (B) 77 P.S.I. to (C) 111 P.S.I.  
Initial Closed In Period ..... Minutes 45 (D) 140 P.S.I.  
Final Flow Period ..... Minutes 45 (E) 108 P.S.I. to (F) 114 P.S.I.  
Final Closed In Period ..... Minutes 60 (G) 137 P.S.I.  
Final Hydrostatic Pressure ..... (H) 1667 P.S.I.

## GENERAL INFORMATION

### Client Information:

Company: LD DRILLING INC

Contact: L D DAVIS

Phone: Fax: e-mail:

### Site Information:

Contact: KIM SHOEMAKER

Phone: Fax: e-mail:

### Well Information:

Name: WS 1-3

Operator: L D DRILLING INC

Location-Downhole:

Location-Surface: S3/21S/12W

### Test Information:

Company: DIAMOND TESTING

Representative: JOHN RIEDL

Supervisor: KIM SHOEMAKER

Test Type: CONVENTIONAL Job Number: D943

Test Unit:

Start Date: 2011/04/23 Start Time: 14:00:00

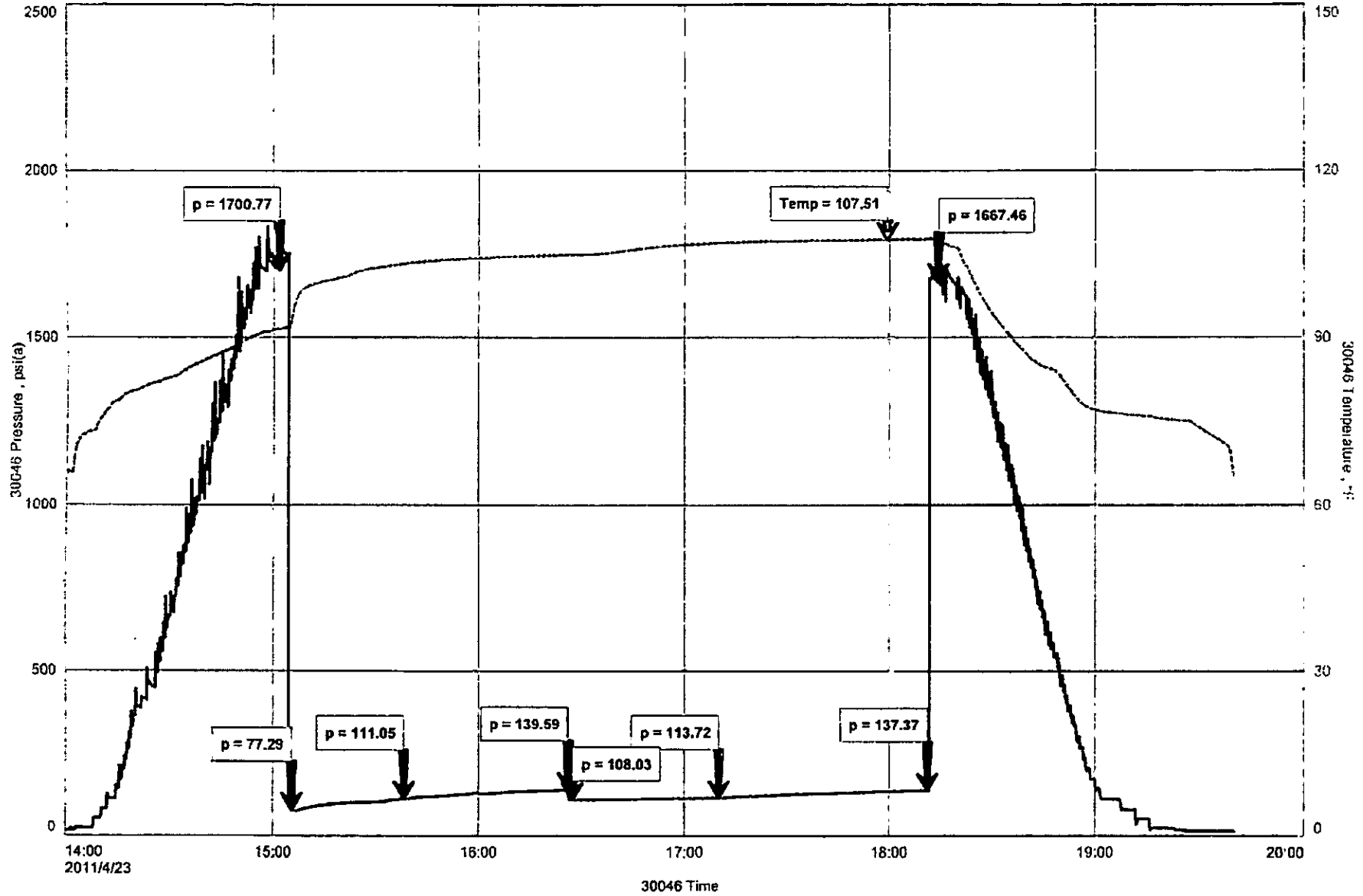
End Date: 2011/04/23 End Time: 20:00:00

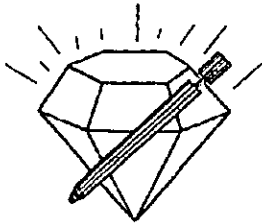
Report Date: 2011/04/23 Prepared By: JOHN RIEDL

Remarks: Qualified By: KIM SHOEMAKER

RECOVERY: 310' GAS IN PIPE, 100' GASS OIL, 120'SLIGHTLY MUD CUT GASSY OIL

# WS 1-3





# DIAMOND TESTING

P.O. Box 157  
HOISINGTON, KANSAS 67544  
(620) 653-7550 • (800) 542-7313  
STC 30046.D944

Company L. D. Drilling, Inc. Lease & Well No. W S No. 1-3  
Elevation 1851 KB Formation Arbuckle Effective Pay      Ft. Ticket No. J2739  
Date 4-24-11 Sec. 3 Twp. 21S Range 12W County Stafford State Kansas

Test Approved By Kim B. Shoemaker Diamond Representative John C. Riedl

Formation Test No. 5 Interval Tested from 3,457 ft. to 3,475 ft. Total Depth 3,475 ft.

Packer Depth 3,452 ft. Size 6 3/4 in. Packer Depth      ft. Size      in.

Packer Depth 3,457 ft. Size 6 3/4 in. Packer Depth      ft. Size      in.

Depth of Selective Zone Set      ft.

Top Recorder Depth (Inside) 3,460 ft. Recorder Number 30046 Cap. 6,000 psi

Bottom Recorder Depth (Outside) 3,472 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 54 Weight Pipe Length      ft. I.D.      in.

Weight 9.5 Water Loss 12.0 cc. Drill Pipe Length 3,315 ft. I.D. 3 1/2 in.

Chlorides 10,000 P.P.M. Test Tool Length 22 ft. Tool Size 3 1/2 - 1E in.

Jars: Make Sterling Serial Number Not Run Anchor Length 18 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 bucket in 1 min. Weak, 1/2 in., blow back during shut-in.

2nd Open: Strong blow. Off bottom of bucket in 16 mins. Weak, 1/2 in., blow back during shut-in.

Recovered 250 ft. of gas in pipe

Recovered 150 ft. of gassy oil = 2.134500 bbls. (Grind out: 20%-gas; 80%-oil)

Recovered 250 ft. of very slightly oil cut water = 1.230000 bbls. (Grind out: 2%-oil; 98%-water)

Recovered 400 ft. of TOTAL FLUID = 4.574800 bbls.

Recovered      ft. of     

Remarks     

Time Set Packer(s)	<u>3:50</u>	<u>A.M.</u>	Time Started Off Bottom	<u>6:50</u>	<u>A.M.</u>	Maximum Temperature	<u>112°</u>
Initial Hydrostatic Pressure			(A)	<u>1695</u>		P.S.I.	
Initial Flow Period	Minutes	<u>30</u>	(B)	<u>106</u>	P.S.I.	to (C)	<u>147</u> P.S.I.
Initial Closed In Period	Minutes	<u>45</u>	(D)	<u>511</u>	P.S.I.		
Final Flow Period	Minutes	<u>45</u>	(E)	<u>163</u>	P.S.I.	to (F)	<u>197</u> P.S.I.
Final Closed In Period	Minutes	<u>60</u>	(G)	<u>594</u>	P.S.I.		
Final Hydrostatic Pressure			(H)	<u>1652</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: WS 1-3

Operator: L D DRILLING INC

Location-Downhole:

Location-Surface: S3/21S/12W

### Test Information:

Company: DIAMOND TESTING

Representative: JOHN RIEDL

Supervisor: KIM SHOEMAKER

Test Type: CONVENTIONAL Job Number: D944

Test Unit:

Start Date: 2011/04/24 Start Time: 02:00:00

End Date: 2011/04/24 End Time: 09:20:00

Report Date: 2011/04/24 Prepared By: JOHN RIEDL

Remarks: Qualified By: KIM SHOEMAKER

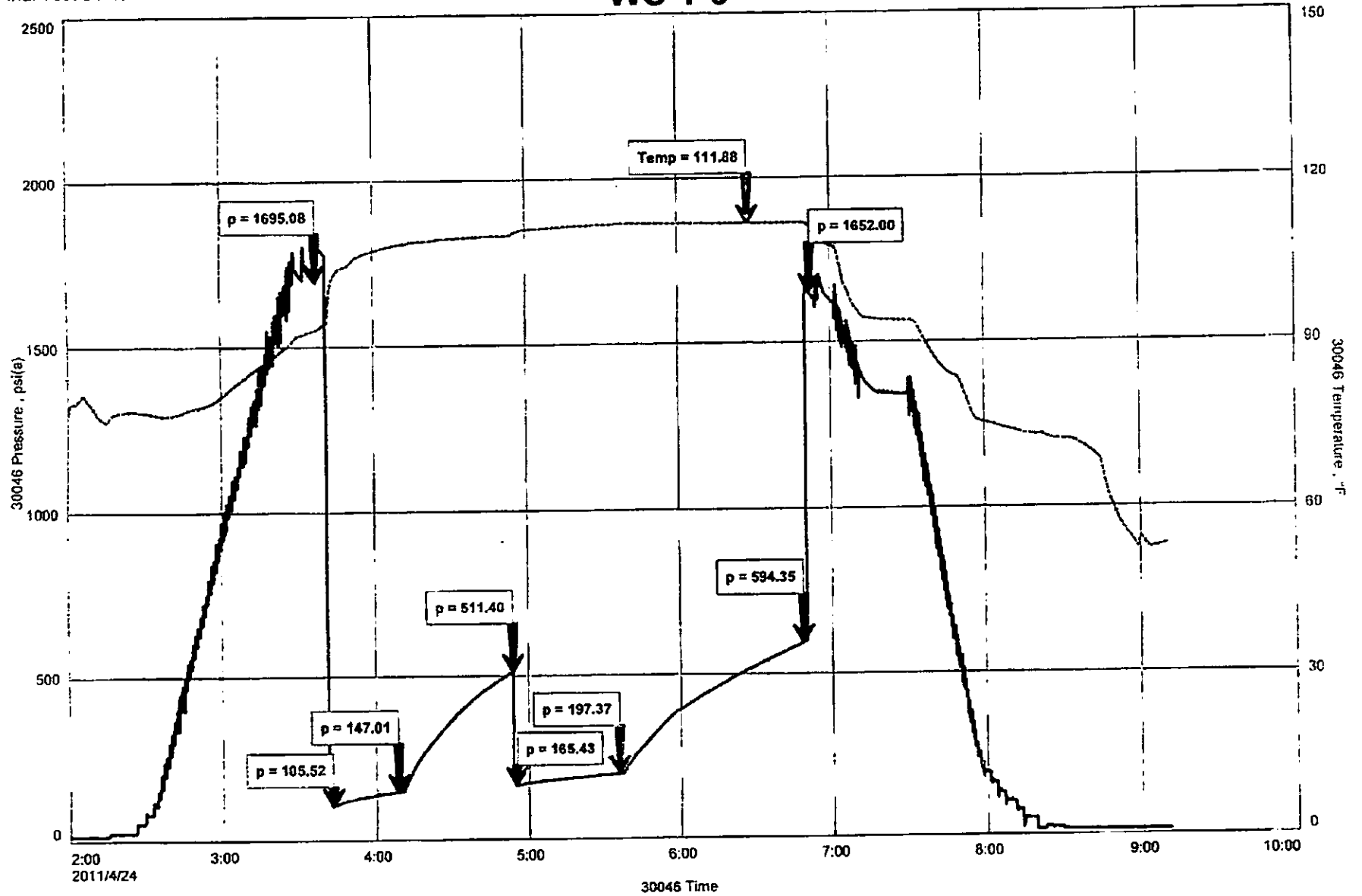
RECOVERY: 250' GAS IN PIPE 150' GASSY OIL, 250' SLIGHTLY OIL CUT WATER



L D DRILLING INC  
Start Test Date: 2011/04/24  
Final Test Date: 2011/04/24

WS 1-3  
Formation: ARBUCKLE  
Job Number: D944

# WS 1-3



KIM B. SHOEMAKER

CONSULTING GEOLOGIST

316-684-9709 \* WICHITA, KS

GEOLOGIST'S REPORT

DRILLING TIME AND

COMPANY L. D. DRILLING, INC.

FI

WELL #1-3 WS

KB 1851

FIELD CHASE-SILICA

DF

LOCATION 1150' FNL & 1650' FNL

CL 1846

SEC 3 TWP 21s RGE 12W

Measurements Are All From 1851 KB

COUNTY STAFFORD STATE KANSAS

DRILLER PETROMARK RIG 2

CASING SURFACE 8 5/8" @ 344'  
PRODUCTION 5 1/2" @

SPUD 4-18-11 COMP 4-25-11

RIG 3555 LIP 3555

ELECTRICAL SURVEYS  
Dual Trp, Dens.-N.

MUD UP 2800 TYPE MUD CHEMICAL

SAMPLES SAVED FROM 2900 TO 3555

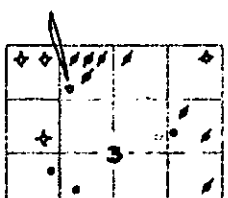
DRILLING TIME KEPT FROM 2700 TO 3555

SAMPLES EXAMINED FROM 2900 TO 3555

GEOLOGICAL SUPERVISION FROM 3000 TO 3555

GEOLOGIST ON WELL KIM B. SHOEMAKER

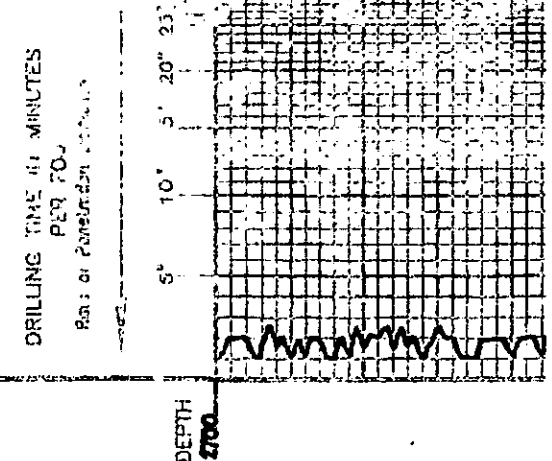
FORMATION TOPS	LOG	SAMPLES
ANHYDRITE	628 - 1223	637 - 1214
TOPEKA	277B - 927	277B - 927
HIEBNER	301B - 1197	3052 - 1201
BROWN LIME	317B - 1322	3182 - 1331
LANSING	3193 - 1342	3196 - 1345
B/KC	3407 - 1556	3410 - 1559
ARBUCKLE	3422 - 1576	3428 - 1577



SPUD 341'  
 2036'  
 2970'  
 3283'  
 3447'  
 3425'  
 3555'  
 1851 IS 1851 23675

LEGEND

- Anhydrite
- Salt
- Sandstone
- Shale
- Gas. Lit. Limestone
- Oil/Lime
- G. St.
- Dolomite



SAMPLE DESCRIPTIONS

REMARKS

2800

TOPEKA 2778-927

2900

SAMPLES ARE LAGGED

LS. Thin. V. chly.

LS. Th. St. Pass. Sil. Δ

Sh. Sil. Δ

LS. Th. V. chly. Sil. Δ

Sh. Sil. Δ

LS. Th. V. chly. St. Pass.

LS. Th. St. Pass.

W. 64  
W. 85  
W. 72  
C. 1000

Sh. Sil. Δ

3000

LS. Th. V. chly.

3100

TORONTO

DONOLDS

HEERER 3052-1201

Sh. Blue Carb. ls. with Sil. Foss.

Sh. Sil.

ls. wt. Sil. Foss. v. Sil. Chly.

ls. wt. chly.

Sh. Sil. Silly.

Sh. Sil. Silly.

Sh. Sil. Silly.

Sh. Sil. Silly.

BROWN LIME 3182-1331

ls. No. Dns. v. Sil. Foss.

Sh. Sil.

LANSING 3176-1315

ls. wt. Sil. Chly.

ls. with Sil. Foss. & Dn. No. Sil. Foss. No. Dns.

ls. wt. chly.

ls. Sil. Dns.

Sh. Sil.

ls. wt. Sil. Foss. & Dn. No. Sil. Foss. No. Dns.

ls. Sil. Foss. & Dn. No. Sil. Foss. No. Dns.

ls. Sil. Dns.

Sh. Sil.

ls. Dn. Sil. Foss.

ls. Sil. Sil. wt. Sil. Foss. & Dn. No. Sil. Foss. No. Dns.

ls. Sil. Dns.

Sh. Sil.

ls. Sil. Sil. wt. Foss.

(2 Drill collars run on all Dsts)

DST (1) 3202-3222

1st Run: Blow out 1 to 9" 58' Nov 88

2nd Run:

30-45-45-60

Rec. 100' OGCM

(10/6/85, 10/10/85)

FP: 2149 5375'

SIP: 821-821'

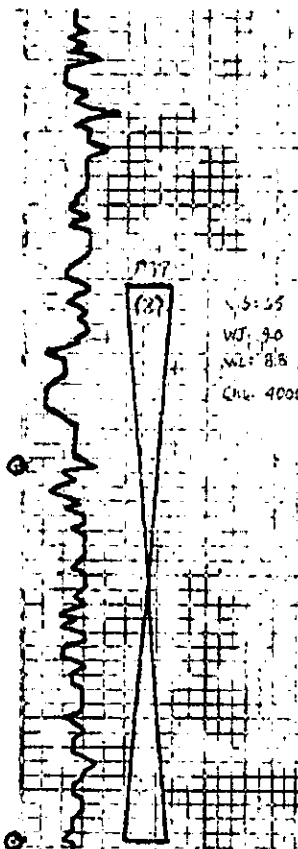
Temp. 101°F

3200

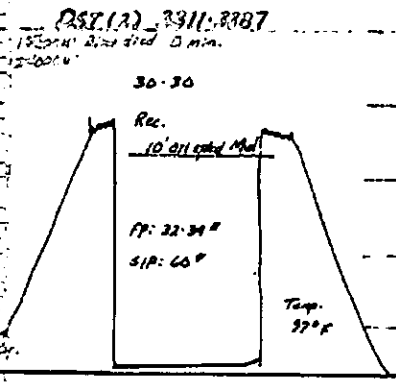
DST (1)



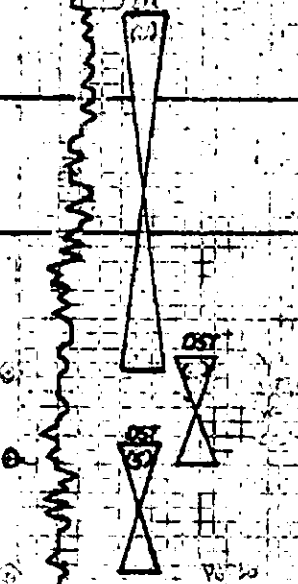
3100



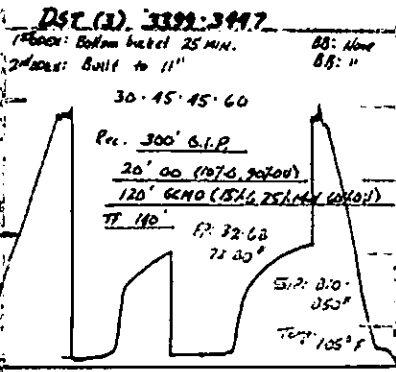
3100  
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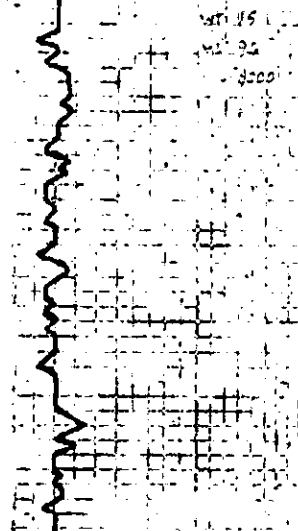
3400



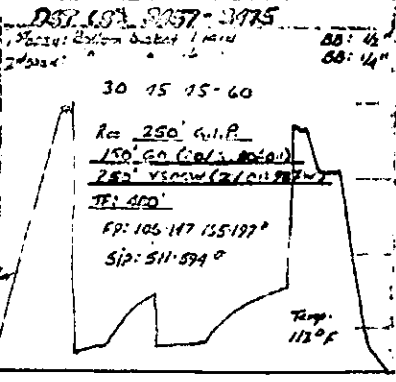
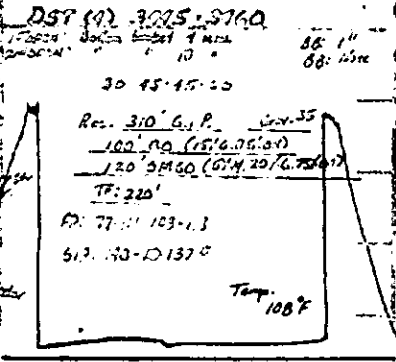
3400  
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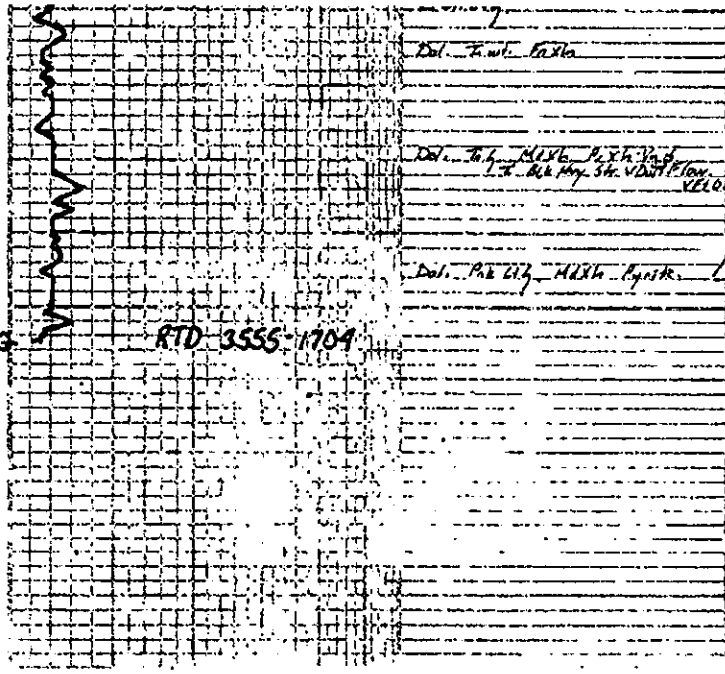


1500



1500  
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 1. 1/2" ...





7  
Dol. F. wt. F. 1/2 in

Dol. F. wt. F. 1/2 in  
1. of Ab. Prop. Str. V. Dist. P. 1000  
VELOR

Dol. P. 2 1/2 H. 1/2 in F. 1/2 in

