



KANSAS CORPORATION COMMISSION 1050018  
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 #: \_\_\_\_\_

<u>08/12/2010</u>	<u>08/19/2010</u>	<u>08/28/2010</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-009-25430-00-00

Spot Description: \_\_\_\_\_

N2 SW SW NE Sec. 4 Twp. 19 S. R. 15  East  West

2,210 Feet from  North /  South Line of Section

2,310 Feet from  East /  West Line of Section

Footages Calculated from Nearest Outside Section Corner:

NE     NW     SE     SW

County: Barton

Lease Name: MAURICE Well #: 1-4

Field Name: OTIS-ALBERT

Producing Formation: CHASE

Elevation: Ground: 1976 Kelly Bushing: 1980

Total Depth: 3630 Plug Back Total Depth: 2084

Amount of Surface Pipe Set and Cemented at: 1011 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: 6800 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: DON License #: 6039

Quarter NE Sec. 4 Twp. 19 S. R. 15  East  West

County: BARTON Permit #: D28411

**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: 08/25/2010

*[Handwritten Signature]*



1050018

Operator Name: L. D. Drilling, Inc. Lease Name: MAURICE Well #: 1-4  
 Sec. 4 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 <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i>  Samples Sent to Geological Survey <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No  Cores Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Electric Log Run <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Submitted Electronically <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(If no, Submit Copy)</i>  List All E. Logs Run:  DUAL COMPENSATED POROSITY LOG DUAL INDUCTION LOG SONIC CEMENT BOND LOG	<input checked="" type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample  Name Top Datum Attached Attached Attached
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CASING RECORD <input checked="" type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
SURFACE	12.25	8.625	23	1011	A-CONN	200	3%CC, 1/4# FS
SURFACE	12.25	8.625	23	1011	COMMON	200	2%Gel, 3%CC
PRODUCTION	7.875	5.5	24	2099	60/40 POZMIX	155	18%Salt, 1.5%CFR, 5#GII

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 <i>(Amount and Kind of Material Used)</i>	Depth
4	1856 - 1866		
4	1838 - 1848	1000 gal 15% NE FE ACID	

TUBING RECORD: Size: <u>2 3/8</u> Set At: <u>1900</u> Packer At:		Liner Run: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
Date of First, Resumed Production, SWD or ENHR. <u>11/17/2010</u>	Producing Method: <input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other <i>(Explain)</i> _____				
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input checked="" type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <i>(Submit ACO-4)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	L. D. Drilling, Inc.
Well Name	MAURICE 1-4
Doc ID	1050018

Tops

CHASE	1836	+145
WINFIELD	1886	+95
TOPEKA	2929	-948
HEEBNER	3173	-1192
BROWN LIME	3243	-1262
LANSING	3251	-1270
BASE KANSAS CITY	3475	-1494
REAGAN	3548	-1567
GRANITE WASH	3582	-1601
LTD	3633	



**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 02370 A

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

DATE OF JOB <u>08-13-10</u> DISTRICT <u>PRATT</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>NEAURICE</u> 1-4 WELL NO.				
ADDRESS		COUNTY <u>PRATT</u> STATE <u>KS</u>				
CITY STATE <u>KS</u>		SERVICE CREW <u>Sullivan, molson, Phye</u>				
AUTHORIZED BY		JOB TYPE: <u>CNW 8 3/8 Surface</u>				
EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS	TRUCK CALLED <u>08-13-10</u> DATE AM PM <u>12:30</u>
<u>33208-20920</u>	<u>50</u>					ARRIVED AT JOB AM PM <u>14:30</u>
<u>19867</u>	<u>50</u>					START OPERATION AM PM <u>18:40</u>
						FINISH OPERATION AM PM <u>19:30</u>
						RELEASED <u>08-13-10</u> AM PM <u>19:50</u>
						MILES FROM STATION TO WELL <u>65</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: [Signature]  
(WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)

ITEM/PRICE REF. NO.	MATERIAL, EQUIPMENT AND SERVICES USED	UNIT	QUANTITY	UNIT PRICE	\$ AMOUNT
CP 101	A-con cont	SK	200		3,600.00
CP 100	Concrete	SK	200		3,200.00
CC 102	Cellulose	lb	100		370.00
CC 109	calcium chloride	lb	1,128		1,184.40
CC 200	cont gel	lb	376		94.00
CF 105	TOP Rubber plug 8 3/8	SA	1		225.00
E 100	pickup milys	mi	65		276.25
E 101	Heavy Seal milys	mi	130		910.00
E 113	Bulk Deter	TM	1222		1,955.30
CE 201	Depth Check 501-1000'	SA	1		1,200.00
CE 240	Blending - mixer check	SK	400		560.00
CE 504	plug chustion (R-10)	SA	1		250.00
S003	Service Suspension	SA	1		175.00

SUB TOTAL

CHEMICAL / ACID DATA:			

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

*Thank you*

TOTAL

9,099.90  
DLS

SERVICE REPRESENTATIVE <u>[Signature]</u>	THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY: <u>[Signature]</u> (WELL OWNER OPERATOR CONTRACTOR OR AGENT)
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FIELD SERVICE ORDER NO.

# BASIC

energy services, L.P.

## TREATMENT REPORT

Customer <i>L.D. Phillips</i>	Lease No.	Date <i>08-13-10</i>	
Lease <i>WIAHUKIC</i>	Well # <i>1-4</i>		
Field Order # <i>2370</i>	Station <i>PRATT</i>	Casing <i>8 5/8</i>	Depth <i>1016</i>
Type Job <i>CNW 8 5/8 SERVICE</i>	Formation	County <i>BARTON</i>	State <i>KS</i>
		Legal Description <i>7-19-15</i>	

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size	Tubing Size	Shots/Ft		Acid	RATE	PRESS	ISIP	
<i>8 5/8</i>								
Depth <i>1016</i>	Depth	From	To	Pre Pad	Max		5 Min.	
Volume <i>26</i>	Volume	From	To	Pad	Min		10 Min.	
Max Press <i>200</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>976</i>	Packer Depth	From	To	Flush	Gas Volume		Total Load	

Customer Representative	Station Manager <i>DAVE SCOTT</i>	Treater <i>Robert Sullivan</i>
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Service Units	<i>19867</i>	<i>33708</i>	<i>20920</i>	<i>19831</i>	<i>19862</i>				
Driver Names	<i>Sullivan</i>	<i>Melton</i>		<i>Phye</i>					

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
<i>1445</i>					<i>on loc softy mostly</i>
					<i>RUN 24 JTS 8 5/8 24 CSP.</i>
<i>1820</i>					<i>CHASING ON BOTTOM</i>
<i>1830</i>					<i>Hook Rig To Circ.</i>
<i>1840</i>	<i>200</i>		<i>5</i>	<i>4</i>	<i>1st SPACER</i>
			<i>91</i>		<i>mix lead cont 20ast A-Conn Blank-Cont.</i>
	<i>300</i>		<i>51</i>	<i>5.5</i>	<i>mix Tail cont 20ast comm 2 1/2 gal 3 1/2 cck 4 Alk</i>
					<i>cont mix shut down</i>
					<i>Release Plug</i>
<i>1908</i>				<i>5.5</i>	<i>1st Disp</i>
<i>1930</i>	<i>300</i>		<i>63</i>		<i>plug down</i>
					<i>circ 20 BBL cont to pit</i>
					<i>job complete</i>
					<i>Thank you</i>



**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 02265 A

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

DATE OF JOB <b>8-19-10</b> DISTRICT <b>KANSAS</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, INC</b>		LEASE <b>maurice</b> 1-4 WELL NO.							
ADDRESS		COUNTY <b>Barton</b> 4-19-15 STATE <b>KANSAS</b>							
CITY STATE		SERVICE CREW <b>A. Werth, M. Mathal, Ed. ...</b>							
AUTHORIZED BY		JOB TYPE: <b>5 1/2" L.S. crew</b>							
EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS	TRUCK CALLED	DATE	AM	TIME
<b>28443 P.U</b>	<b>1</b>					<b>8-19-10</b>	<b>8-19-10</b>	<b>AM</b>	<b>1200</b>
<b>19903-19905</b>	<b>1</b>					<b>ARRIVED AT JOB</b>	<b>8-19-10</b>	<b>AM</b>	<b>230</b>
<b>19831-19862</b>	<b>1</b>					<b>START OPERATION</b>	<b>8-19-10</b>	<b>AM</b>	<b>700</b>
						<b>FINISH OPERATION</b>	<b>8-19-10</b>	<b>AM</b>	<b>200</b>
						<b>RELEASED</b>	<b>8-19-10</b>	<b>AM</b>	<b>230</b>
						<b>MILES FROM STATION TO WELL</b>	<b>65-mi. loc</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
CP103	60/40 Por		125-SK		\$ 1500.00
CP103	60/40 Por		30-SK		\$ 360.00
CC111	SALT (Fine)		1117-lb		\$ 558.50
CC112	Cement Friction Reducer		54-lb		\$ 324.00
CC201	Gilsonite		625-lb		\$ 418.75
CF607	Latch Down Plug + Baffle 5/2" Blue		1-en		\$ 400.00
CF1101	Cement Shoe Basket Type 5/2" Blue		1-en		\$ 1700.00
CF1631	Turbulizer 5/2" Blue		5-en		\$ 550.00
C704	CS-1K KCL Sub.		1-gal		\$ 35.00
CC151	mud' Flush		500-gal		\$ 430.00
E100	Unit mileage charge pickup		65-mi.		\$ 276.25
E101	Heavy Equipment mileage		130-mi.		\$ 910.00
E113	Bull & Del. Chg.		436-TM		\$ 696.80
CF203	Depth Charge 2001-3000		1-4hrs		\$ 1800.00
CF240	Bleeding + mixing Service chg		155-SK		\$ 217.00
CF504	Plug container Utilization chg		1-Job		\$ 250.00
S003	Service Supervisor First 8hrs on loc		1-en		\$ 175.00
SUB TOTAL					

CHEMICAL / ACID DATA:			

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

TOTAL

**DL5 \$6890.85**

SERVICE REPRESENTATIVE *Allen F. ...* THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY *...*

(WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)

FIELD SERVICE ORDER NO.

# BASIC

energy services, L.P.

## TREATMENT REPORT

Customer <b>L.O. Drilling INC</b>	Lease No.	Date <b>8-19-10</b>
Lease <b>MAURICE</b>	Well # <b>1-4</b>	
Field Order # <b>02265A</b>	Station <b>Pratt KS</b>	Casing <b>5/2</b>
Type Job <b>5/2 L.S.</b>	Formation <b>CRMW</b>	Depth <b>2099.57</b>
		County <b>Barton</b>
		State <b>Ks</b>
		Legal Description <b>4-19-15</b>

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME	
Casing Size <b>5/2</b>	Tubing Size	Shots/Ft		Acid <b>10-5Ks 60/40 Pol</b>	DATE <b>8/13/10</b>	PRESS <b>@ 13.4</b>	ISIP
Depth <b>2099</b>	Depth	From	To	Pre Pad <b>125 SKs 60/40 Pol</b>	Max		5 Min.
Volume <b>51 BBL</b>	Volume	From	To	Pad <b>20 BBL 2% KCL</b>	Min		10 Min.
Max Press <b>1500#</b>	Max Press	From	To	Frac <b>12 BBL mud Flush</b>	Avg		15 Min.
Well Connection <b>PC</b>	Annulus Vol.	From	To	Flush <b>Disp/H2O</b>	HHP Used		Annulus Pressure
Plug Depth <b>2099</b>	Packer Depth	From	To	Gas Volume			Total Load

Customer Representative <b>(L.O.) Dave Rone</b>	Station Manager <b>Scotty</b>	Treater <b>Allen F. Werth</b>
Service Units <b>25443 19903 19905 19831 19862</b>		
Driver Names <b>Werth Mike Mattal Edmundo</b>		

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
230 pm					Petromark II on loc. Discuss Safety Setup, Plan Job Rig laying down D.P. out of hole w/ O.P. Laydown Kelly. Rig up to run 5/2" csg. 24#
455					start 5/2" csg. Shoe Joint 16 bbl w/ Basket Type shoe. L.O. Baffle in collar-cent, 1-3-5-7-9.
530					Fill csg.
609					Pipe @ 2099' Fill csg. + CIR
614					Drop setting Ball + CIR
620	800#				<del>Drop</del> Basket Shoe set @ 800' w/ Rig CIR w/ Rig. Pump.
705			20	5	Pump 20 BBL 2% KCL
			12	5	Pump 12 BBLs Mud Flush
			3	5	Pump 3 BBLs H2O
			5	5	mix + pump 10 SKs 60/40 scavenger @ 13.4
			26	5	mi x + pump 125 SKs 60/40 Pol @ 15.4 washout Pump + Line Drop L.P. Plug. Start Disp. caught 1: ft - 32 BBLs
730					complete 5 SKs Plus. Down.
830					Plus Rat hole w/ 30 SKs 60/40 Pol -

**KIM B. SHOEMAKER**  
 CONSULTING GEOLOGIST  
 316-684-9709 \* WICHITA, KS

**GEOLOGIST'S REPORT**  
 DRILLING TIME AND SAMPLE LOG

COMPANY L. D. DRILLING, Inc.  
 LEASE # 1-4 MAURICE  
 FIELD OTIS-ALBERT  
 LOCATION 2210' ENL & 2310' ENL  
 SEC 4 TWP 19s RGE 15w  
 COUNTY BARTON STATE KANSAS

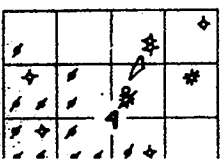
ELEVATIONS  
 KB 1981  
 DF \_\_\_\_\_  
 GL 1976  
 Measurements Are All  
 From 1981 KB

CONTRACTOR PETROMARK Rig 2  
 SPUD 8-12-2010 COMP 8-19-10  
 RTD 3630 LTD 3633  
 MUD UP 2700 TYPE MUD CHEMICAL

CASING  
 SURFACE 85/8" @ 1011'  
 PRODUCTION 5 1/2" @ 2000'  
 ELECTRICAL SURVEYS  
 DUAL IND; DENS-N..

SAMPLES SAVED FROM 1800-1900 2900 TO 3630  
 DRILLING TIME KEPT FROM 1700-1900 2800 TO 3630  
 SAMPLES EXAMINED FROM 1800 2800 TO 3630  
 GEOLOGICAL SUPERVISION FROM 1800 3000 TO 3630  
 GEOLOGIST ON WELL Kim B. Shoemaker

FORMATION TOPS	LOG	SAMPLES
ANHYDRITE		938+1043
CHALK	1836+1115	1831+150
WINFIELD	1886+95	1885+96
TOPEKA	2929-948	2919-918
HERRINER	3173-1192	3173-1192
BROWN LIME	3243-1262	3243-1262
LANSING	3251-1270	3252-1271

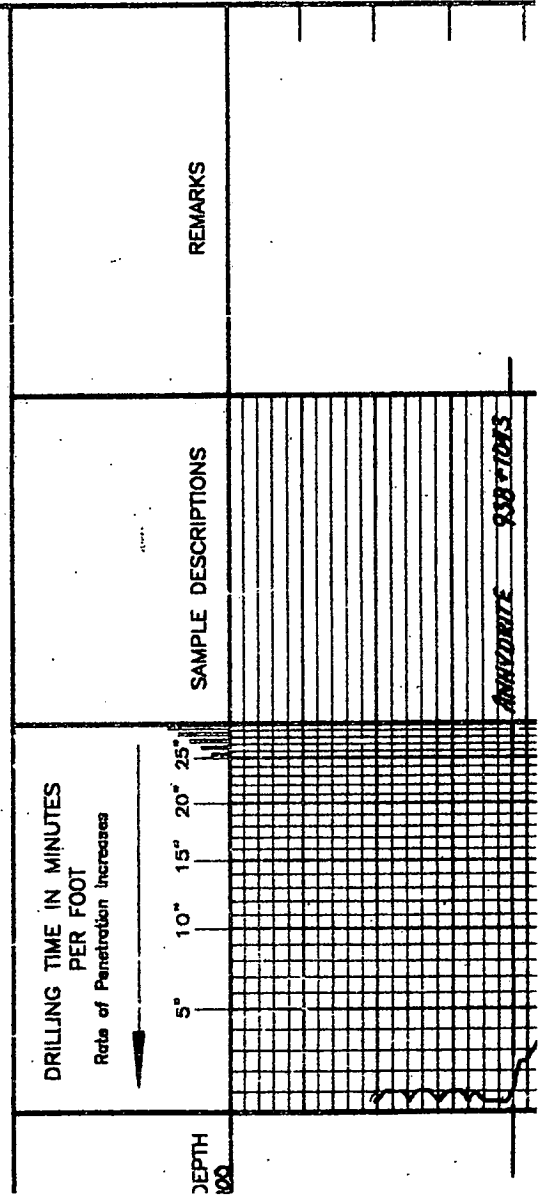


APR 15-2009-25130

S  
 30'  
 20'  
 15'  
 10'  
 5'

**LEGEND**

- Anhydrite
- Salt
- Sandstone
- Shale
- Carb sh
- Limestone
- Cgl. Lime
- Chert
- Dolomite





600

700

800

51/411

970\*1011

app. clayey

sh. dk. sil.

app. clay.

sh. dk. sil.

CORNER 1831\*150

Del. 1/4 mi. S. of ...  
T. 214 on ...

Del. 1/4 mi. S. of ...  
T. 214 on ...

Del. 1/4 mi. S. of ...  
T. 214 on ...

DST (2) 1808-1899  
1500 ft. ...  
2000 ft. ...

30' 45' 95-60'

Re. 272' (17.6% 71% wt. 25% ...)

V56CMW

10: 16-70 99-102"

col: 88-002

1900

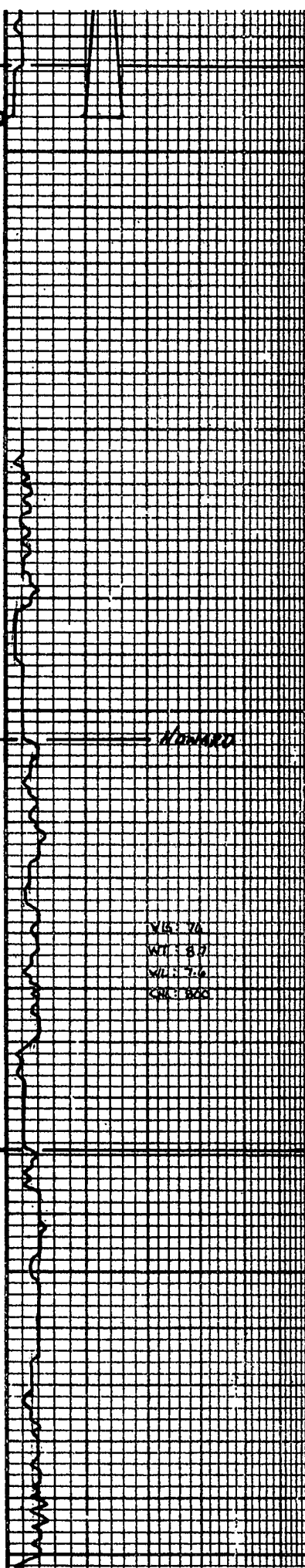
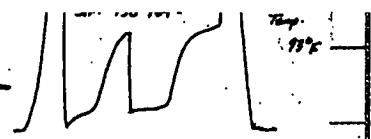
1800

1900

1000

**WINFIELD 1885-96**

Del. wt. Variable Sols. ga. 2.6 p  
7 CAS on Break



Wt: 7.6  
Wt: 8.7  
Wt: 7.6  
CR: 800

**MINARD**

Samples and Logged

Sh. 1.6 G. 5.1 Silly

**TOPEKA 1879-98**

15. Sand Silty Bas. Silty Chky.

15. Silty Sh. A

15. Sand & Silty Bas. Silty Chky.

15. Silty Sand. Bas

15. Silty Bas. Silty Chky.

15. To soil. Silty

100

200

Sh. 204  
11. 204, 50' Pass

12. 2nd 500' Sh. 204

Sh. 21

13. 2nd 500' Sh. 21

15. 2nd 500' V.S. 21

Sh. 22

15. 2nd 500' V.S. 22

Sh. 23

15. 2nd 500' 2nd 500' Sh. 23  
15. 2nd 500' 2nd 500' Sh. 23

16. 2nd 500' 2nd 500' Sh. 23  
16. 2nd 500' 2nd 500' Sh. 23

Sh. 24

17. 2nd 500' 2nd 500' Sh. 24  
17. 2nd 500' 2nd 500' Sh. 24

Sh. 25

Sh. 26

Sh. 27

Sh. 28

**HEENER 3175-3192**

Sh. 29

18. 2nd 500' Sh. 29

19. 2nd 500' 2nd 500' Sh. 29

Sh. 30

Sh. 31

**ORONLINE 3243-3262**

20. 2nd 500' V.S. 30

**LANSING 3252-3271**

21. 2nd 500' 2nd 500' Sh. 31  
21. 2nd 500' 2nd 500' Sh. 31

22. 2nd 500' Sh. 31

23. 2nd 500' 2nd 500' Sh. 31  
23. 2nd 500' 2nd 500' Sh. 31

24. 2nd 500' 2nd 500' Sh. 31

**DST (2) 3216-3300**

1500' 2nd 500' 1500'

2nd 500' " " 3 "

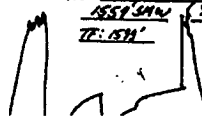
30-95-95-60

Rec. 45' NW (150' W)

1557 3216 (300' W)

77' 150'

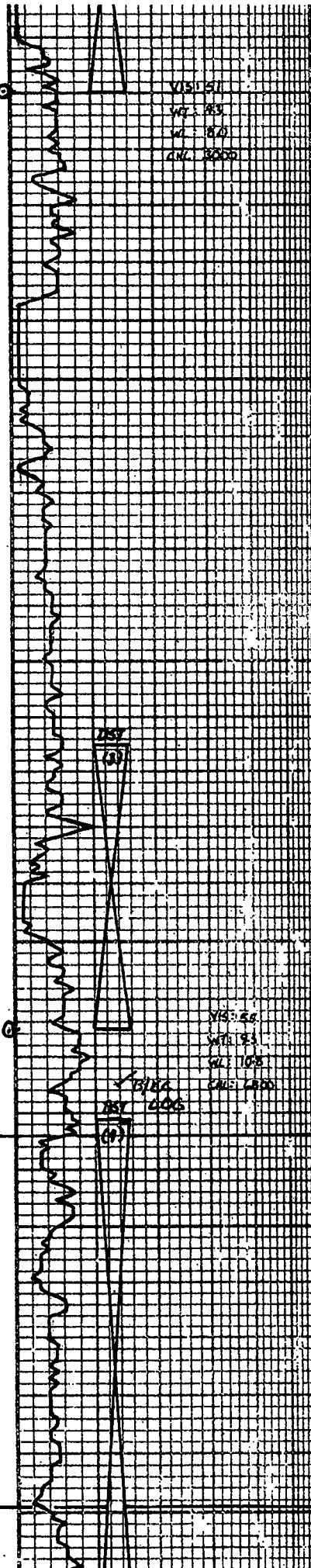
CR-10000



300

400

500



VIS: 51  
WT: 85  
W: 80  
CAL: 3000

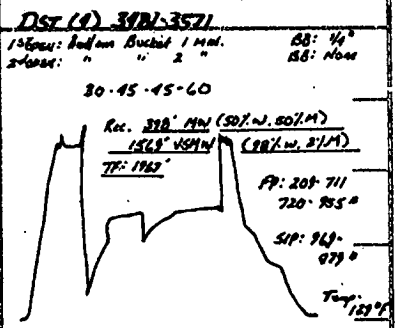
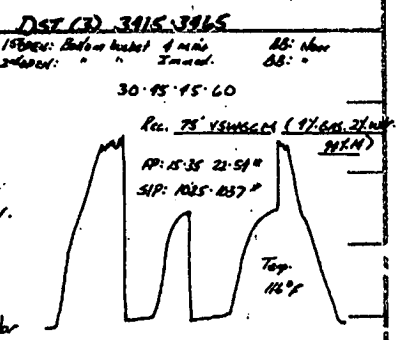
DST  
(3)

DST  
(4)

VIS: 50  
WT: 83  
W: 100  
CAL: 1500

Dr. Sand St. 160,  
W. Sily. St. 160,  
ls. wd. chly. St. Chly. 11,  
Dr. Poly. silice. conc. gd. med. f,  
ls. wd. chly.,  
ls. wd. chly.,  
ls. f. conc.,  
sl. chly.,  
ls. chly.,  
ls. wd. chly. vs. Br. Sil. d,  
ls. f. conc. St. Br. Sil. d. P. V. B. No. 1000. No. 1000. No. 1000.,  
ls. f. conc. vs. Br. Sil. d. P. V. B. No. 1000. No. 1000. No. 1000.,  
ls. f. conc. vs. Br. Sil. d. P. V. B. No. 1000. No. 1000. No. 1000.,  
ls. wd. vs. Br. Sil. d,  
ls. f. conc. vs. Br. Sil. d,  
BIRC 3989-1503,  
ls. f. conc. vs. Br. Sil. d,  
sh. ls. chly.,  
sh. ls. chly.,  
A. Yellow. chert. chert.,  
sh. ls. chly.,  
A. white. chert.,  
A. R. Blue.,  
BRANON 3989-1568,  
sh. ls. chly. P. V. B. No. 1000. No. 1000. No. 1000.,  
ls. f. conc. vs. Br. Sil. d. P. V. B. No. 1000. No. 1000. No. 1000.,  
sh. ls. chly. P. V. B. No. 1000. No. 1000. No. 1000.

J V  
520-761°  
SIP: 902-920°  
Temp: 122°





# DIAMOND TESTING

## Drill Test Report

### General Information

#### Company Name

Contact L.D. DAVIS  
Well Name MAURICE #1-4  
Unique Well ID DST#1 CHASE/WINF. 1804-1894  
Surface Location SEC 4-19s-15w BARTON Co. Ks.  
Field WILDCAT  
Well Type Vertical

Job Number M015  
Representative MIKE COCHRAN  
Well Operator L.D. DRLG  
Report Date 2010/08/15  
Prepared By MIKE COCHRAN

### Test Information

Test Type CONVENTIONAL  
Formation DST#1 CHASE/WINF. 1804-1894  
Well Fluid Type 02 Gas  
Test Purpose (AEUB) Initial Test

Start Test Time 23:11:00  
Final Test Time 07:12:00

Start Test Date 2010/08/14  
Final Test Date 2010/08/15

Gauge Name 30037  
Test Type Name

### Test Results

RECOVERED: 30' VSOCMW 1% GAS, 69% WTR, 30% MUD  
242' VSOCMW 1% GAS, 78% WTR, 28% MUD  
272' TOTAL FLUID

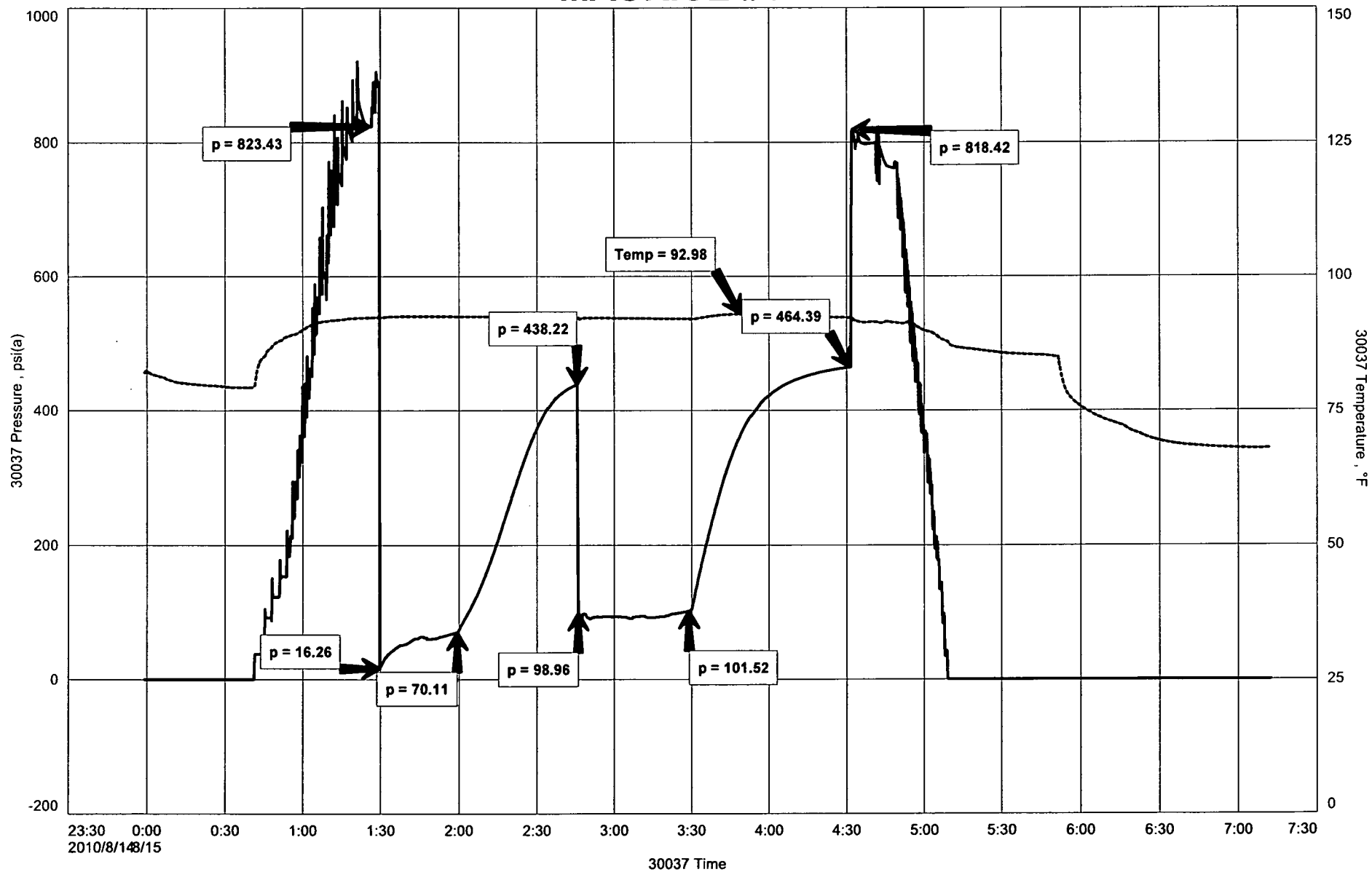
GAS TO SURFACE. 15 MIN INTO FINAL FLOW PERIOD  
GAUGED @ 2,180 CF/D  
GAS BURNED NICELY

PH 10.5  
CHLOR 88,000  
RW .07@69 DEG

DST#1 CHASE/WINF. 1804-1894  
Start Test Date: 2010/08/14  
Final Test Date: 2010/08/15

MAURICE #1-4  
Formation: DST#1 CHASE/WINF. 1804-1894  
Pool: WILDCAT  
Job Number: M015

# MAURICE #1-4





**DIAMOND TESTING**  
P.O. Box 157  
**HOISINGTON, KANSAS 67544**  
(800) 542-7313  
**DRILL-STEM TEST TICKET**  
FILE: MRCE1-4DST1

TIME ON: 23:59 (8-14)  
TIME OFF: 07:12 (8-15)

Company L.D. DRLG Lease & Well No. MAURICE #1-4  
Contractor PETROMARK RIG #2 Charge to L.D. DRLG  
Elevation 1981 KB Formation CHASE/WINF Effective Pay \_\_\_\_\_ Ft. Ticket No. M015  
Date 8-15-2010 Sec. 4 Twp. \_\_\_\_\_ 19 S Range \_\_\_\_\_ 15 W County BARTON State KANSAS  
Test Approved By KIM SHOEMAKER Diamond Representative MIKE COCHRAN

Formation Test No. 1 Interval Tested from 1804 ft. to 1894 ft. Total Depth 1894 ft.  
Packer Depth 1799 ft. Size 6 3/4 in. Packer depth NA ft. Size 6 3/4 in.  
Packer Depth 1804 ft. Size 6 3/4 in. Packer depth NA ft. Size 6 3/4 in.

Depth of Selective Zone Set \_\_\_\_\_

Top Recorder Depth (Inside) 1791 ft. Recorder Number 30037 Cap. 5,000 P.S.I.  
Bottom Recorder Depth (Outside) 1891 ft. Recorder Number 13386 Cap. 3,875 P.S.I.  
Below Straddle Recorder Depth NA ft. Recorder Number NA Cap. NA P.S.I.

Mud Type SPOT PILL Viscosity \_\_\_\_\_ Drill Collar Length 242 ft. I.D. 2 1/4 in.  
Weight \_\_\_\_\_ Water Loss \_\_\_\_\_ cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.  
Chlorides \_\_\_\_\_ P.P.M. Drill Pipe Length 1777 ft. I.D. 3 1/2 in.  
Jars: Make STERLING Serial Number SJ ONLY Test Tool Length 27 ft. Tool Size 3 1/2-IF in.  
Did Well Flow? NO Reversed Out NO Anchor Length 90 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: BOB 7 MIN (NO BB)  
2nd Open: BOB ON TOOL OPENING, GAS TO SURFACE 15 MIN (FAIR BB 3")

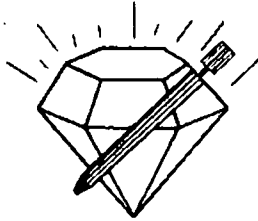
Recovered 30 ft. of VSOCMW 1% GAS, 69% WTR, 30% MUD  
Recovered 242 ft. of VSOCMW 1% GAS, 71% WTR, 28% MUD  
Recovered 272 ft. of TOTAL FLUID  
Recovered \_\_\_\_\_ ft. of GAS TO SURFACE 15 MIN

Recovered _____ ft. of <u>PH 10.5</u>	Price Job
Recovered _____ ft. of <u>CHLOR 88,000 Ppm</u>	Other Charges
Remarks: <u>RW .07 @ 69 DEG.</u>	Insurance
<u>GAS GAUGED @ 2,180 CF/D. GAS BURNED NICELY</u>	
<u>TOOL SAMPLE: 2% GAS, 71% WTR, 28% MUD, SCUM OF OIL</u>	Total

Time Set Packer(s) 1:29 A.M. P.M. Time Started Off Bottom 4:29 A.M. P.M. Maximum Temperature 93  
Initial Hydrostatic Pressure..... (A) 823 P.S.I.  
Initial Flow Period..... Minutes 30 (B) 16 P.S.I. to (C) 70 P.S.I.  
Initial Closed In Period..... Minutes 45 (D) 438 P.S.I.  
Final Flow Period..... Minutes 45 (E) 99 P.S.I. to (F) 102 P.S.I.  
Final Closed In Period..... Minutes 60 (G) 464 P.S.I.  
Final Hydrostatic Pressure..... (H) 818 P.S.I.

Diamond Testing shall not be liable for damages of any kind to the property or personnet of the one for whom a test is made or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statement or opinion concerning the result of any test. Tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.





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

Company L.D. DRLG Lease & Well No. MAURICE #1-4

Date 08/15/2010 Sec. 4 Twp. 19S Rgc. 15W Location \_\_\_\_\_ County BARTON State KS

Drilling Contractor PETROMARK RIG #2 Formation CHASE/WINF. DST No. 1

Remarks: DST#1 1804-1894 30-45-45-60

GAS TO SURFACE 15 MIN INTO 2ND OPENING. GAUGED@ 2,180 CF/D. GAS BURNED NICELY

**INITIAL FLOW PSI**

Time O'Clock	Orifice Size	Gauge	CF/D
	in.	in.	
	in.	in.	
	in.	in.	
	in.	in.	
	in.	in.	
	in.	in.	
	in.	in.	
	in.	in.	
	in.	in.	
	in.	in.	
	in.	in.	

**FINAL FLOW** INCHES OF WATER

Time O'Clock	Orifice Size	Gauge	CF/D
3:05 A.M.	1.000 in.	TSTM in.	TSTM
3:10 A.M.	0.125 in.	9 OZIN. SQ. in.	1,590
3:20 A.M.	0.125 in.	9 in.	1,590
3:25 A.M.	0.125 in.	14 in.	1,980
3:30 A.M.	0.125 in.	17 in.	2,180
	in.	in.	
	in.	in.	
	in.	in.	
	in.	in.	
	in.	in.	

SAMPLE TAKEN -YES

FINAL FLOW---- 17 OZ/SQ IN.

# DIAMOND TESTING

## Drill Test Report

### General Information

Company Name L.D. DRLG

Contact L.D. DAVIS  
Well Name MAURICE #1-4  
Unique Well ID DST#2 LANS. A & B 3246-3300  
Surface Location SEC 4-19s-15w BARTON Co. Ks.  
Field WILDCAT  
Well Type Vertical

Job Number M016  
Representative MIKE COCHRAN  
Well Operator L.D. DRLG  
Report Date 2010/08/17  
Prepared By MIKE COCHRAN

### Test Information

Test Type CONVENTIONAL  
Formation DST#2 LANS. A & B 3246-3300  
Well Fluid Type 01 Oil  
Test Purpose (AEUB) Initial Test

Start Test Time 04:41:00  
Final Test Time 12:43:00

Start Test Date 2010/08/17  
Final Test Date 2010/08/17

Gauge Name 30037  
Test Type Name

### Test Results

RECOVERED: 45' OF MW, 65% WTR, 35% MUD  
1449' OF MW, 98% WTR, 2% MUD  
105' OF MW, 97% WTR, 3% MUD  
15' MUD  
1614' TOTAL FLUID

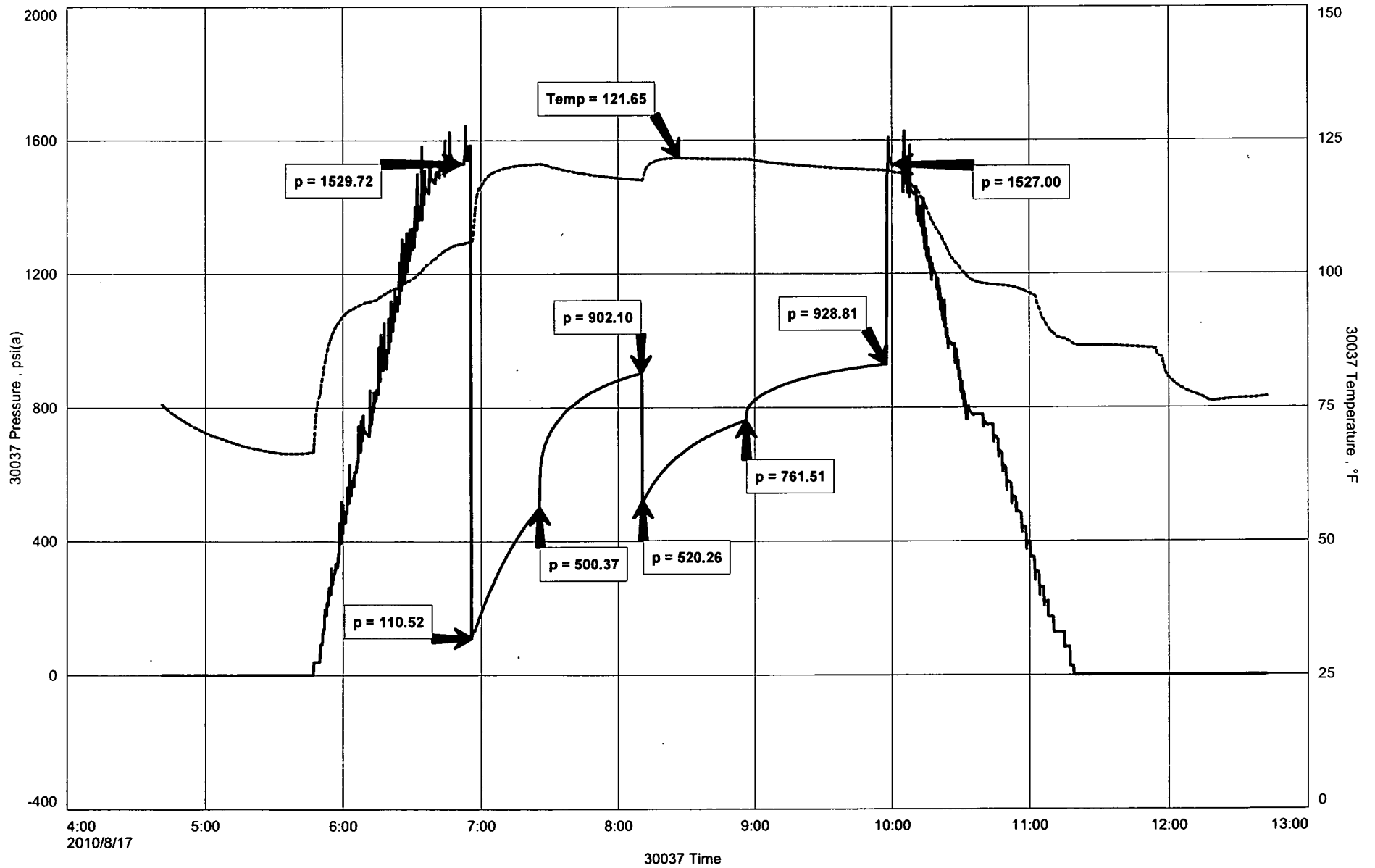
TOOL SAMPLE: 98 1/2% WTR, 1 1/2% MUD

PH 8.5  
CHLOR 68,000 Ppm  
RW .06@75 DEG.

L.D. DRLG  
DST#2 LANS. A & B 3246-3300  
Start Test Date: 2010/08/17  
Final Test Date: 2010/08/17

MAURICE #1-4  
Formation: DST#2 LANS. A & B 3246-3300  
Pool: WILDCAT  
Job Number: M016

# MAURICE #1-4





**DIAMOND TESTING**  
 P.O. Box 157  
 HOISINGTON, KANSAS 67544  
 (800) 542-7313  
**DRILL-STEM TEST TICKET**  
 FILE: MRCE1-4DST2

TIME ON: 04:41:00  
 TIME OFF: 12:43:00

Company L.D. DRLG Lease & Well No. MAURICE #1-4  
 Contractor PETROMARK RIG #2 Charge to L.D. DRLG  
 Elevation 1981 KB Formation LANS A&B Effective Pay \_\_\_\_\_ Ft. Ticket No. M016  
 Date 8-17-2010 Sec. 4 Twp. \_\_\_\_\_ 19 S Range \_\_\_\_\_ 15 W County BARTON State KANSAS  
 Test Approved By KIM SHOEMAKER Diamond Representative MIKE COCHRAN

Formation Test No. 2 Interval Tested from 3246 ft. to 3300 ft. Total Depth 3300 ft.  
 Packer Depth 3241 ft. Size 6 3/4 in. Packer depth NA ft. Size 6 3/4 in.  
 Packer Depth 3246 ft. Size 6 3/4 in. Packer depth NA ft. Size 6 3/4 in.

Depth of Selective Zone Set

Top Recorder Depth (Inside) 3289 ft. Recorder Number 30037 Cap. 5,000 P.S.I.  
 Bottom Recorder Depth (Outside) 3297 ft. Recorder Number 13386 Cap. 3,875 P.S.I.  
 Below Straddle Recorder Depth NA ft. Recorder Number NA Cap. NA P.S.I.  
 Mud Type CHEM Viscosity 49 Drill Collar Length 120 ft. I.D. 2 1/4 in.  
 Weight 9.0 Water Loss 7.6 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.  
 Chlorides 800 P.P.M. Drill Pipe Length 3098 ft. I.D. 3 1/2 in.  
 Jars: Make STERLING Serial Number SJ ONLY Test Tool Length 27 ft. Tool Size 3 1/2-IF in.  
 Did Well Flow? NO Reversed Out NO Anchor Length 54 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: BOB 1 1/2 MIN. (NO BB)  
 2nd Open: BOB IN 3 MIN. (NO BB)

Recovered <u>45</u> ft. of <u>MW 65%WTR, 35% MUD</u>	
Recovered <u>1449</u> ft. of <u>MW 98% WTR, 2% MUD</u>	
Recovered <u>105</u> ft. of <u>MW 97% WTR, 3% MUD</u>	
Recovered <u>15</u> ft. of <u>MUD</u>	
Recovered <u>1614</u> ft. of <u>TOTAL FLUID</u>	Price Job
Recovered _____ ft. of _____	Other Charges
Remarks: _____	Insurance
_____	Total
TOOL SAMPLE: <u>98 1/2% WTR, 1 1/2% MUD</u>	

Time Set Packer(s) 6:56 A.M. P.M. Time Started Off Bottom 9:56 A.M. P.M. Maximum Temperature 122  
 Initial Hydrostatic Pressure..... (A) 1530 P.S.I.  
 Initial Flow Period..... Minutes 30 (B) 111 P.S.I. to (C) 500 P.S.I.  
 Initial Closed In Period..... Minutes 45 (D) 902 P.S.I.  
 Final Flow Period..... Minutes 45 (E) 520 P.S.I. to (F) 761 P.S.I.  
 Final Closed In Period..... Minutes 60 (G) 929 P.S.I.  
 Final Hydrostatic Pressure..... (H) 1527 P.S.I.

Diamond Testing shall not be liable for damages of any kind to the property or personnel of the one for whom a test is made or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statement or opinion concerning the result of any test. Tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.



**DIAMOND TESTING**  
P.O. Box 157  
HOISINGTON, KANSAS 67544  
(800) 542-7313  
**DRILL-STEM TEST TICKET**  
FILE: MRCE1-4DST3

TIME ON: 23:25 (08-17)  
TIME OFF: 06:51 (08-18)

Company L.D. DRLG Lease & Well No. MAURICE #1-4  
Contractor PETROMARK RIG #2 Charge to L.D. DRLG  
Elevation 1981 KB Formation \_\_\_\_\_ L/KC I.J. Effective Pay \_\_\_\_\_ Ft. Ticket No. M017  
Date 8-18-2010 Sec. 4 Twp. \_\_\_\_\_ 19 S Range \_\_\_\_\_ 15 W County BARTON State KANSAS  
Test Approved By KIM SHOEMAKER Diamond Representative MIKE COCHRAN

Formation Test No. 3 Interval Tested from 3415 ft. to 3465 ft. Total Depth 3465 ft.  
Packer Depth 3410 ft. Size 6 3/4 in. Packer depth NA ft. Size 6 3/4 in.  
Packer Depth 3415 ft. Size 6 3/4 in. Packer depth NA ft. Size 6 3/4 in.  
Depth of Selective Zone Set \_\_\_\_\_

Top Recorder Depth (Inside) 3402 ft. Recorder Number 30037 Cap. 5,000 P.S.I.  
Bottom Recorder Depth (Outside) 3462 ft. Recorder Number 13386 Cap. 3,875 P.S.I.  
Below Straddle Recorder Depth NA ft. Recorder Number NA Cap. NA P.S.I.  
Mud Type CHEM Viscosity 51 Drill Collar Length 120 ft. I.D. 2 1/4 in.  
Weight 9.3 Water Loss 8.0 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.  
Chlorides 3,000 P.P.M. Drill Pipe Length 3268 ft. I.D. 3 1/2 in.  
Jars: Make STERLING Serial Number SJ ONLY Test Tool Length 27 ft. Tool Size 3 1/2-IF in.  
Did Well Flow? NO Reversed Out NO Anchor Length 50 ft. Size 4 1/2-FH in.  
Main Hole Size 7 7/8 Tool Joint Size 4 1/2 XH in. Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: BOB 4 MINUTES (NO BB)  
2nd Open: BOB INSTANTLY (NO BB)

Recovered 75 ft. of GWCM 4% GAS, 2% WTR, 94 % MUD  
Recovered 75 ft. of TOTAL FLUID  
Recovered \_\_\_\_\_ ft. of \_\_\_\_\_  
Recovered \_\_\_\_\_ ft. of \_\_\_\_\_  
Recovered \_\_\_\_\_ ft. of \_\_\_\_\_  
Recovered \_\_\_\_\_ ft. of \_\_\_\_\_  
Remarks: \_\_\_\_\_  
TOOL SAMPLE: 1% GAS, 27% WTR, 72% MUD LIGHT SCUM OF OIL

	Price Job
	Other Charges
	Insurance
	Total

Time Set Packer(s) 1:50 A.M. P.M. Time Started Off Bottom 4:50 A.M. P.M. Maximum Temperature 116  
Initial Hydrostatic Pressure..... (A) 1657 P.S.I.  
Initial Flow Period..... Minutes 30 (B) 15 P.S.I. to (C) 35 P.S.I.  
Initial Closed In Period..... Minutes 45 (D) 1025 P.S.I.  
Final Flow Period..... Minutes 45 (E) 22 P.S.I. to (F) 54 P.S.I.  
Final Closed In Period..... Minutes 60 (G) 1037 P.S.I.  
Final Hydrostatic Pressure..... (H) 1655 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

## Drill Test Report

### General Information

Company Name L.D. DRLG

Contact L.D. DAVIS  
Well Name MAURICE #1-4  
Unique Well ID DST#3 L/KC I.J. 3415-3465  
Surface Location SEC 4-19s-15w BARTON Co. Ks.  
Field WILDCAT  
Well Type Vertical

Job Number M017  
Representative MIKE COCHRAN  
Well Operator L.D. DRLG  
Report Date 2010/08/18  
Prepared By MIKE COCHRAN

### Test Information

Test Type CONVENTIONAL  
Formation DST#3 L/KC I.J. 3415-3465  
Well Fluid Type 01 Oil  
Test Purpose (AEUB) Initial Test

Start Test Time 23:25:00  
Final Test Time 06:51:00

Start Test Date 2010/08/17  
Final Test Date 2010/08/18

Gauge Name Gauge 1  
Test Type Name

### Test Results

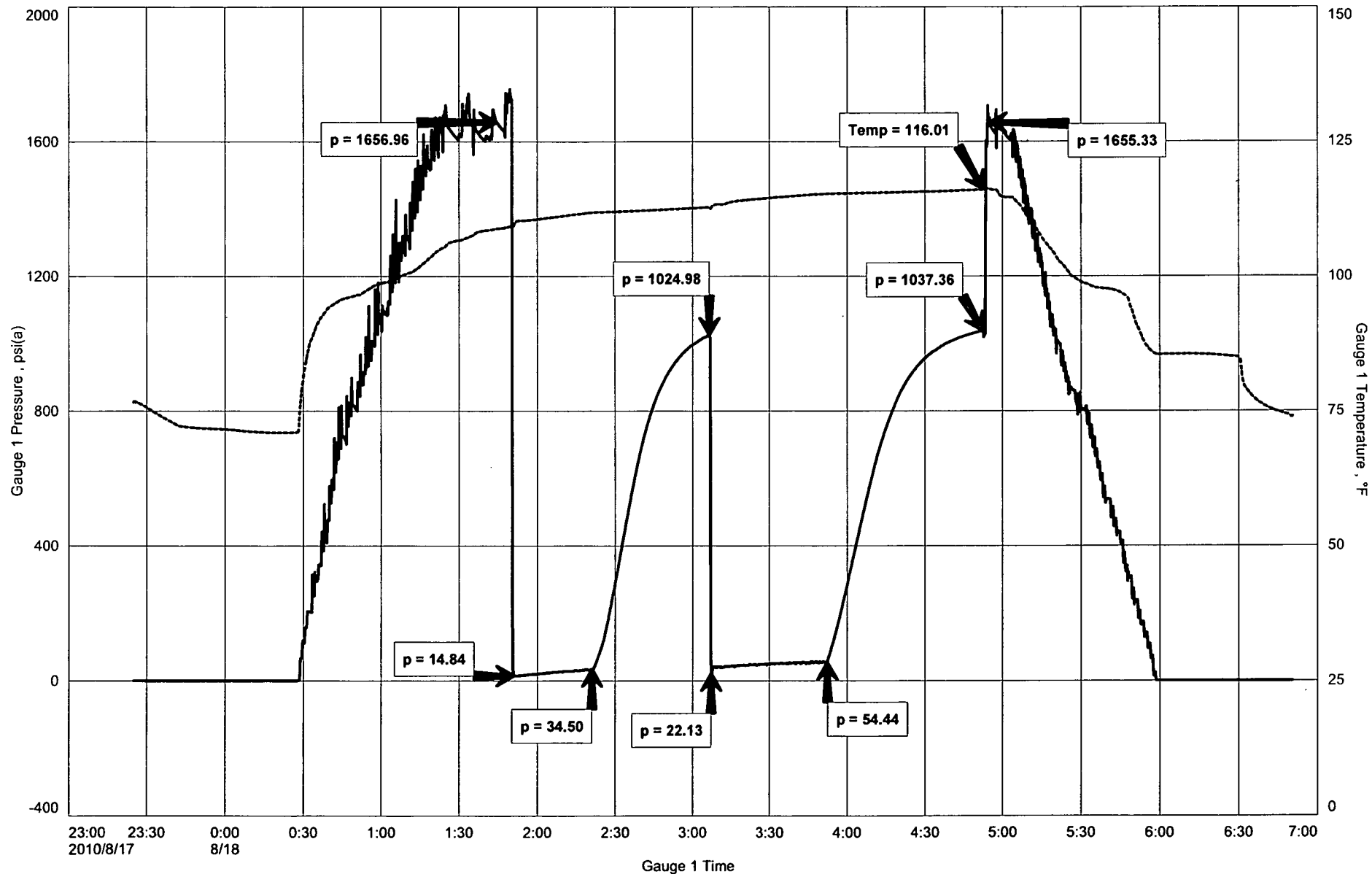
RECOVERED: 75' GWCM 4% GAS, 2% WTR, 94% MUD  
75' TOTAL FLUID

TOOL SAMPLE: 1% GAS, 27% WTR, 72% MUD, LIGHT SCUM OF OIL

L.D. DRLG  
DST#3 L/KC I.J. 3415-3465  
Start Test Date: 2010/08/17  
Final Test Date: 2010/08/18

MAURICE #1-4  
Formation: DST#3 L/KC I.J. 3415-3465  
Pool: WILDCAT  
Job Number: M017

# MAURICE #1-4





**DIAMOND TESTING**  
P.O. Box 157  
**HOISINGTON, KANSAS 67544**  
(620) 653-7550 • (800) 542-7313  
STC 30037.D018

Company L. D. Drilling, Inc. Lease & Well No. Maurice No. 1-4  
Elevation 1981 KB Formation Reagan Effective Pay      Ft. Ticket No. M018  
Date 8-18-10 Sec. 4 Twp. 19S Range 15W County Barton State Kansas  
Test Approved By Kim B. Shoemaker Diamond Representative Michael Cochran

Formation Test No. 4 Interval Tested from 3,481 ft. to 3,571 ft. Total Depth 3,571 ft.  
Packer Depth 3,476 ft. Size 6 3/4 in. Packer Depth      ft. Size      in.  
Packer Depth 3,481 ft. Size 6 3/4 in. Packer Depth      ft. Size      in.  
Depth of Selective Zone Set      ft.

Top Recorder Depth (Inside) 3,468 ft. Recorder Number 30037 Cap. 5,000 psi  
Bottom Recorder Depth (Outside) 3,568 ft. Recorder Number 13386 Cap. 3,875 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 52 Weight Pipe Length      ft. I.D.      in.  
Weight 9.3 Water Loss 10.8 cc. Drill Pipe Length 3,397 ft. I.D. 3 1/2 in.  
Chlorides 6,800 P.P.M. Test Tool Length 27 ft. Tool Size 3 1/2 - IF in.  
Jars: Make Sterling Serial Number Not Run Anchor Length 27' perf. w/ 63' 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: Good, surface blow. Off bottom of bucket in 1 min. Weak, 1/8 in., blow off bottom of bucket during shut-in.  
2nd Open: Fair, surface blow. Off bottom of bucket in 2 mins. No blow back during shut-in.

Recovered 398 ft. of muddy water = 5.663540 bbls. (Grind out: 50%-mud; 50%-water)  
Recovered 1,449 ft. of very slightly mud cut water = 20.619270 bbls. (Grind out: 2%-mud; 98%-water)  
Recovered 120 ft. of very slightly mud cut water = 5.90400 bbls. (Grind out: 2%-mud; 98%-water)  
Recovered 1,967 ft. of TOTAL FLUID = 26.873210 bbls.  
Recovered      ft. of     

Remarks Tool Sample Grind Out: 1%-mud; 99%-water Chlorides: 68,000 Ppm  
PH: 7.5  
RW: .10 @ 70°

Time Set Packer(s) 7:10 <sup>AM</sup> P.M. Time Started Off Bottom 10:10 <sup>AM</sup> P.M. Maximum Temperature 129°  
Initial Hydrostatic Pressure ..... (A) 1734 P.S.I.  
Initial Flow Period ..... Minutes 30 (B) 209 P.S.I. to (C) 711 P.S.I.  
Initial Closed In Period ..... Minutes 45 (D) 969 P.S.I.  
Final Flow Period ..... Minutes 45 (E) 720 P.S.I. to (F) 955 P.S.I.  
Final Closed In Period ..... Minutes 60 (G) 979 P.S.I.  
Final Hydrostatic Pressure ..... (H) 1720 P.S.I.



# DIAMOND TESTING

Page 2 of 2 Pages  
Drill Test Report

## General Information

Company Name L.D. DRLG

Contact L.D. DAVIS  
Well Name MAURICE #1-4  
Unique Well ID DST#4 REAGAN 3481-3571  
Surface Location SEC 4-19s-15w BARTON Co. Ks.  
Field WILDCAT  
Well Type Vertical

Job Number M018  
Representative MIKE COCHRAN  
Well Operator L.D. DRLG  
Report Date 2010/08/19  
Prepared By MIKE COCHRAN

## Test Information

Test Type CONVENTIONAL  
Formation DST#4 REAGAN 3481-3571  
Well Fluid Type 01 Oil  
Test Purpose (AEUB) Initial Test

Start Test Time 17:00:00  
Final Test Time 01:50:00

Start Test Date 2010/08/18  
Final Test Date 2010/08/19

Gauge Name 30037  
Test Type Name

## Test Results

RECOVERED: 398' OF MW 50% WTR, 50% MUD  
1449' OF VSMCW 98% WTR, 2% MUD  
120' OF VSMCW 98% WTR, 2% MUD  
1967' TOTAL FLUID

TOOL SAMPLE: 99% WTR, 1% MUD

PH 7.5  
CHLOR 68,000 Ppm  
RW .1 @ 70 DEG.

ES. DRUG  
DST#4 REAGAN 3481-3571  
Start Test Date: 2010/08/18  
Final Test Date: 2010/08/19

MAURICE #1-4  
Formation: DST#4 REAGAN 3481-3571  
Pool: WILDCAT  
Job Number: M018

# MAURICE #1-4

