



KANSAS CORPORATION COMMISSION 1072989
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 # 5929
Name: Duke Drilling Co., Inc.

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 #:

11/16/2011	11/24/2011	12/02/2011
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-185-23721-00-00

Spot Description:
S2_S2_N2_NW Sec. 33 Twp. 25 S. R. 12 East West
1050 Feet from North / South Line of Section
1320 Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:
 NE NW SE SW

County: Stafford

Lease Name: CLARK Well #: 2-33

Field Name: UNNAMED

Producing Formation: KANSAS CITY

Elevation: Ground: 1867 Kelly Bushing: 1875

Total Depth: 4300 Plug Back Total Depth: 4248

Amount of Surface Pipe Set and Cemented at: 409 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: 160 bbls

Dewatering method used: Hauled to Disposal

Location of fluid disposal if hauled offsite:

Operator Name: RAMA OPERATING CO., INC.

Lease Name: JORDAN OWWO License #: 3911

Quarter NE Sec. 26 Twp. 24 S. R. 12 East West

County: STAFFORD Permit #: D15265

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: 01/30/2012



1072989

Operator Name: L. D. Drilling, Inc. Lease Name: CLARK Well #: 2-33
 Sec. 33 Twp. 25 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 Yes No
 (Attach Additional Sheets)

Samples Sent to Geological Survey Yes No

Cores Taken Yes No

Electric Log Run Yes No

Electric Log Submitted Electronically Yes No
 (If no, Submit Copy)

List All E. Logs Run:

Attached

Log Formation (Top), Depth and Datum Sample

Name Top Datum
 Attached Attached Attached

CASING RECORD New 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	409	60/40 POZMIX	400	3%CC, 1/4#CF
PRODUCTION	7.875	5.5	14	4295	COMMON	200	

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	3870 - 3872'; 3874 - 3878'	750 gal 20% NE FE HCL Acid	

TUBING RECORD:	Size: <u>2.375</u>	Set At: <u>3925</u>	Packer At:	Liner Run: <input type="checkbox"/> Yes <input type="checkbox"/> No
Date of First, Resumed Production, SWD or ENHR. <u>01/12/2012</u>	Producing Method: <input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain) _____			
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio Gravity

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input checked="" type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <i>(Submit ACO-4)</i> <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	L. D. Drilling, Inc.
Well Name	CLARK 2-33
Doc ID	1072989

All Electric Logs Run

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

Form	ACO1 - Well Completion
Operator	L. D. Drilling, Inc.
Well Name	CLARK 2-33
Doc ID	1072989

Tops

Name	Top	Datum
ANHYDRITE	690	+1186
STOTLER	2775	-899
HEEBNER	3423	-1547
BROWN LIME	3583	-1707
LANSING	3612	-1736
BASE KANSAS CITY	3913	-2037
MISSISSIPPI	4022	-2146
VIOLA	4073	-2197
SIMPSON	4147	-2271
ARBUCKLE	4230	-2354



BASICSM
ENERGY SERVICES
PRESSURE PUMPING & WIRELINE

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

FIELD SERVICE TICKET

1718 05047 A

DATE _____ TICKET NO. _____

DATE OF JOB 11-16-11 DISTRICT Platt		NEW WELL <input checked="" type="checkbox"/> OLD WELL <input type="checkbox"/> PROD <input type="checkbox"/> INJ <input type="checkbox"/> WDW <input type="checkbox"/> CUSTOMER ORDER NO.:							
CUSTOMER L.D. Drilling		LEASE Clark WELL NO. 2-33							
ADDRESS		COUNTY Stafford STATE KS							
CITY STATE		SERVICE CREW Orlando, Lawrence, McCasky							
AUTHORIZED BY		JOB TYPE: CNW 8 5/8 Surface							
EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS	TRUCK CALLED	DATE	AM	TIME
27283	42						11/16-11	PM	6:00
19903-19905	41					ARRIVED AT JOB		AM	7:00
19832-21010	42					START OPERATION		AM	9:30
						FINISH OPERATION		AM	10:00
						RELEASED		AM	11:00
						MILES FROM STATION TO WELL	15		

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	
CP 103	60/40 Poz	SK	400		4800.00	
CC 102	Call Stake	CS	100		370.00	
CC 109	Calcium Chloride	Lb	1032		1083.60	
CE 153	Wooden Cement Plug 8 5/8	ea	1		160.00	
E 100	Heavy Equipment Mileage	mi	15		63.75	
E 101	Heavy Equipment Mileage	mi	30		210.00	
E 113	Bulk Delivery	Tn	258		412.80	
CE 200	Depth Charge 0-500	ea	1		1000.00	
CE 240	Blowdown Mixing Charge	SX	400		560.00	
CE 504	Plug Cement	ea	1		250.00	
S003	Service Supervisor	ea	1		175.00	
					SUB TOTAL	7177.27

CHEMICAL / ACID DATA:			

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

SERVICE REPRESENTATIVE <i>Steve Orlando</i>	THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY: <i>John Ambroster</i> (WELL OWNER OPERATOR CONTRACTOR OR AGENT)
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FIELD SERVICE ORDER NO.

Customer L.D. Miller	Lease No. 12	Date 11-16-11
Lease Clark	Well # 2-33	
Field Order # 501	Station Pratt	Casing 2 7/8" 24'
Type Job CNW - 2 7/8" Sulfur	Depth 109'	County St. Paul
		State KS
	Formation	Legal Description 33-25-12

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME	
Casing Size 2 7/8"	Tubing Size	Shots/Ft	4 WUS	Acid 60/40 per 2'	RATE	PRESS	ISIP
Depth 109'	Depth	From	To	Pre Pad 370 cc 4# Gel	Max		5 Min.
Volume 26.9	Volume	From	To	Pad	Min		10 Min.
Max Press 500	Max Press	From	To	Frac	Avg		15 Min.
Well Connection P.C.	Annulus Vol.	From	To		HHP Used		Annulus Pressure
Plug Depth 378	Packer Depth	From	To	Flush 25.3	Gas Volume		Total Load

Customer Representative John August	Station Manager Drew Scott	Treater Steve Orlando
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Service Units 27273	19903/19905	19832/21012
Driver Names Billie	Lamir	McCluskey

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
7:00					Orlando - Safety Meeting
					Run 25.3 @ 2 7/8" casing
					Check for Bottom
					Change Line w/ 12.5
9:30	250	86	21		Mix WUS 60/40 per 14.8' @ 11.8' / min
					Release Plug
9:50	0				Start H ₂ O Displacement
9:58	200				Connect To Surface
10:00	200		25.3		Plug Down - Seal string inc.
					Circulation In Job
					Circulated 8 bbl cement top
					Job Complete
					Thanks Steve



BASIC
ENERGY SERVICES
PRESSURE PUMPING & WIPLINE

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

FIELD SERVICE TICKET

1718 050621BA

DATE: TICKET NO:

DATE OF JOB: 11-24-11	DISTRICT: PRATT KS	NEW WELL <input type="checkbox"/>	OLD WELL <input type="checkbox"/>	PROD <input type="checkbox"/>	INJ <input type="checkbox"/>	WDW <input type="checkbox"/>	CUSTOMER ORDER NO.:		
CUSTOMER: L.D. DRILLING		LEASE: CLARK		2-33		WELL NO.			
ADDRESS:		COUNTY: STAYFORD		STATE: KS					
CITY:		STATE:		SERVICE CREW: Sullivan, Mason, Hunter					
AUTHORIZED BY:		JOB TYPE: P.W. 5/17 (2nd Shift)							
EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS	TRUCK CALLED	DATE	AM	TIME
33708-20920	45						11-24-11	PM	5:30
19832-21010	1345					ARRIVED AT JOB		AM	6:45
37900						START OPERATION		AM	8:00
						FINISH OPERATION		AM	6:45
						RELEASED		AM	7:15
						MILES FROM STATION TO WELL	15		

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 100	Common cement	SA	200		3,200.00
CP 103	60/40 port cement	SA	50		3,000.00
CC 113	CAL Soft	SA	940		705.00
PC 200	PMT act	SA	376		94.00
PF 103	TOP. Rubber Plug	SA	1		105.10
PF 251	Card. Shop	SA	1		250.00
PF 1451	Flapper - 2.5" x 2.5" x 1.5"	SA	1		915.00
PF 1651	Turbalizer	SA	7		770.00
CP 151	mud flat	MTL	1,000		860.00
P 100	Dicks (Bulldog)	MTL	15		63.75
E 101	Welding	MTL	30		210.00
E 113	Rubber	MTL	173		277.20
PE 205	Devils Head 5000-5000	SA	1		2,520.00
PE 245	Isolation - mica	SA	250		350.00
PE 504	Flax Containers (Welded)	SA	1		250.00
5003	SAVED Software	SA	1		175.00
SUB TOTAL					8,409.50

CHEMICAL / ACID DATA			

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

Thank you

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.O. DRILLING</i>	Lease No.	Date <i>11-24-11</i>
Lease <i>CLARK</i>	Well # <i>2-33</i>	
Field Order # <i>30107</i>	Station <i>PRATT KS</i>	Casing <i>5 1/2</i>
	Depth <i>4295</i>	County <i>STAFFORD</i>
Type Job <i>CNW 5 1/2 Long STW</i>	Formation	Legal Description <i>33-25-12</i>

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME	
Casing Size	Tubing Size	Shots/Ft		Acid	RATE	PRESS	ISIP
<i>5 1/2</i>				Pre Pad	Max		5 Min.
Depth <i>4295</i>	Depth	From	To	Pad	Min.		10 Min.
Volume <i>103</i>	Volume	From	To	Frac	Avg		15 Min.
Max Press <i>1,500</i>	Max Press	From	To		HHP Used		Annulus Pressure
Well Connection <i>P.C.</i>	Annulus Vol.	From	To	Flush	Gas Volume		Total Load
Plug Depth <i>4200</i>	Packer Depth	From	To				

Customer Representative	Station Manager <i>DAVE STAFF</i>	Treater <i>[Signature]</i>
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Service Units	<i>37900</i>	<i>33709</i>	<i>20920</i>	<i>19837</i>	<i>21000</i>		
Driver Names	<i>Bullman</i>	<i>method</i>	<i>Hunter</i>				

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
<i>6:45</i>					<i>low loss 50% mostly</i>
					<i>5 1/2 15.5 csq</i>
					<i>15, 7, 9, 13, 15, 17</i>
<i>6:50</i>					<i>SPACER ON BOTTOM</i>
<i>7:00</i>					<i>Work Dip cone</i>
<i>8:00</i>	<i>200</i>		<i>24</i>	<i>3</i>	<i>It now 7/4</i>
			<i>5</i>		<i>SPACER</i>
				<i>4</i>	<i>mix cone 2000 comm 15 psi</i>
					<i>con mix dr shut down wash line, Pump</i>
					<i>Release Plug</i>
<i>8:25</i>				<i>5</i>	<i>It Dip</i>
	<i>300</i>		<i>75</i>		<i>1st ps</i>
	<i>400</i>			<i>4.5</i>	<i>Slow Rate</i>
<i>8:45</i>	<i>1200</i>		<i>102</i>		<i>Plug done</i>
			<i>7</i>		<i>plug RH w/ 30 st</i>
			<i>5</i>		<i>plug m-H w/ 20 st</i>
					<i>50% complete</i>

Thank you!

KIM B. SHOEMAKER

CONSULTING GEOLOGIST

316-684-9709 * WICHITA, KS

GEOLOGIST'S REPORT

DRILLING TIME AND SAMPLE LOG

COMPANY L. D. DRILLING, INC.
 LEASE # 2-33 CLARK
 FIELD BONHAM SW
 LOCATION 1050' FNL & 1320' FWL
 SEC 33 TWP 25s RGE 12w
 COUNTY STAFFORD STATE KANSAS

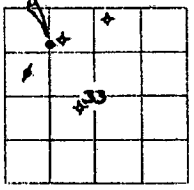
ELEVATIONS
 KB 1876
 DF _____
 GL 1868
 Measurements Are All
 From 1876 KB

CONTRACTOR DUKE DRILLING CO. RIG 2
 SPUD 11-16-11 COMP 11-24-11
 RTD 4300 LTD 4305
 MUD UP 2500 TYPE MUD CHEMICAL

CASING
 SURFACE 8 5/8" @ 109'
 PRODUCTION 5 1/2" @
 ELECTRICAL SURVEYS
 DUAL TRD, DEAS - U.
 Micro. Sonic

SAMPLES SAVED FROM _____ 2700 TO 4300
 DRILLING TIME KEPT FROM _____ 2600 TO 4300
 SAMPLES EXAMINED FROM _____ 2700 TO 4300
 GEOLOGICAL SUPERVISION FROM _____ 2900 TO 4300
 GEOLOGIST ON WELL KIM B. SHOEMAKER

FORMATION TOPS	LOG	SAMPLES
ANHYDRITE	680 ± 1186	687 ± 1189
STOTLER	2725 - 899	2770 - 894
HEEBNER	3423 - 1597	3418 - 1542
BROWN LIME	3583 - 1707	3579 - 1703
LANGING	3612 - 1736	3606 - 1730
B/KC	3913 - 2037	3910 - 2034
MISSISSIPPI	4022 - 2146	4021 - 2145
VIDA	4073 - 2197	4068 - 2192
SIMPSON	4147 - 2271	4146 - 2270
ARBUCKLE	4230 - 2354	4226 - 2350



REMARKS

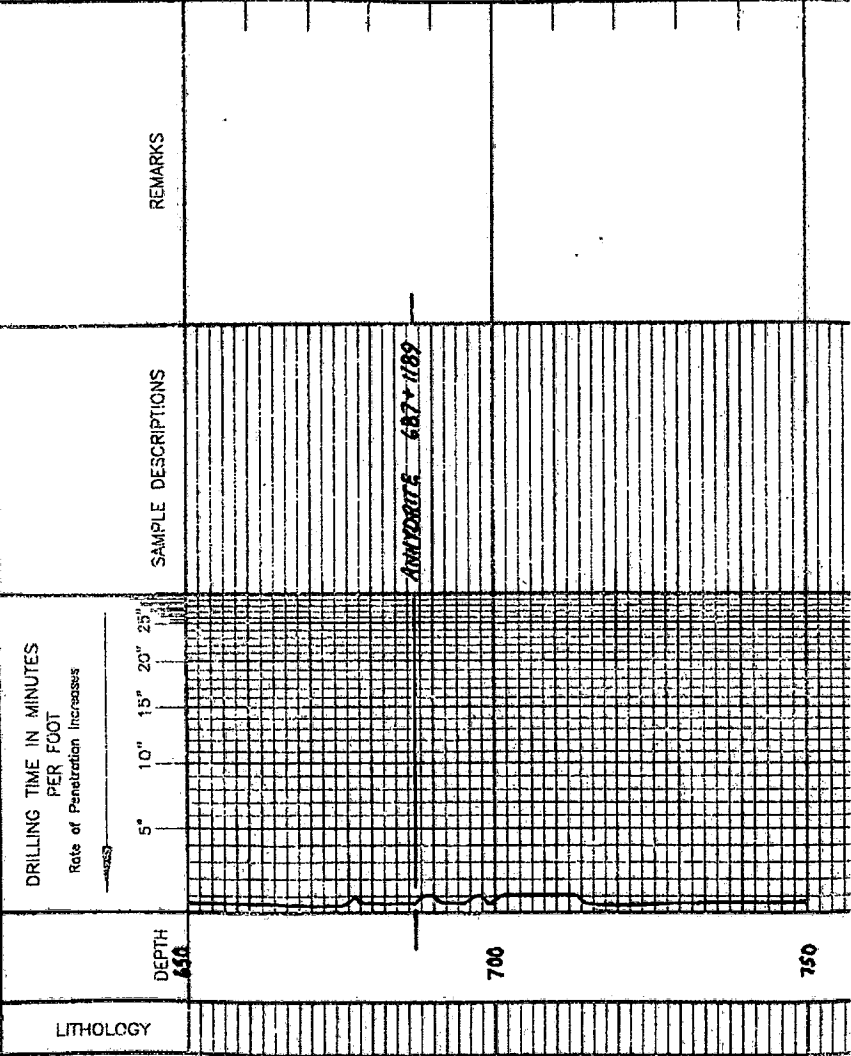
11-16-11 @ 5800
 11-17 @ 409'
 11-18 @ 2025'
 11-19 @ 2888'
 11-20 @ 5500'
 11-21 @ 3817'
 11-22 @ 3977'
 11-23 @ 4060'
 11-24 @ 4300'

API: 15-186-33721

HOT WIRE / C-LOG - # 3200-70

LEGEND

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





2900

3000

3100

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(661299)
 2980: Sh. Pass. - 2980
 2985: Sh. Pass. - 2985
 2990: Sh. Pass. - 2990
 2995: Sh. Pass. - 2995
 3000: Sh. Pass. - 3000
 3005: Sh. Pass. - 3005
 3010: Sh. Pass. - 3010
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TOPEKA 3089
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 3195: Sh. Pass. - 3195
 3200: Sh. Pass. - 3200

Samples stopped until 3400



3200

GAS DETECTOR ON LOG

WIS. 10
WIS. 95
WIS. 80
WIS. 6000

3300

WIS. 100

3400

WIS. 100 15. wt. V. 6. 1/2

15. wt. 50. 25. 1/2

HEBNER 3912-1512

30. 100. 100.

30. 100.

WIS. 100 15. wt. 50. 25. 1/2

15. wt.

15. wt. 50. 25. 1/2

30. 100.

30. 100. 100.

3500

30. 100. 100. 100.



DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313
DRILL-STEM TEST TICKET
FILE: Clark2-33DST1

TIME ON: 19:12:00 11-20
TIME OFF: 03:11:00 11-21

Company L.D. Drilling Inc Lease & Well No. Clark # 2-33
Contractor Duke Drilling Rig #2 Charge to L.D. Drilling Inc.
Elevation 1876 KB Formation L/KC, H-J Effective Pay _____ Ft. Ticket No. S0058
Date 11-21-11 Sec. 33 Twp. _____ 25 S Range _____ 12 W County Stafford State KANSAS
Test Approved By Kim Shoemaker Diamond Representative Jacob McCallie

Formation Test No. 1 Interval Tested from 3748 ft. to 3810 ft. Total Depth 3810 ft.
Packer Depth 3743 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
Packer Depth 3748 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.

Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 3733 ft. Recorder Number 30035 Cap. 10000 P.S.I.
Bottom Recorder Depth (Outside) 3807 ft. Recorder Number 3851 Cap. 5700 P.S.I.
Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.
Mud Type Chem Viscosity 43 Drill Collar Length 0 ft. I.D. 2 1/4 in.
Weight 9.4 Water Loss 8.4 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.
Chlorides 5,000 P.P.M. Drill Pipe Length 3719 ft. I.D. 3 1/2 in.
Jars: Make STERLING Serial Number Safety Joint Test Tool Length 29 ft. Tool Size 3 1/2-IF in.
Did Well Flow? NO Reversed Out NO Anchor Length 62 ft. Size 4 1/2-FH in.
Main Hole Size 7 7/8 Tool Joint Size 4 1/2 XH in. Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: 1/4" Blow- Built to 9" in 30 min **NOBB**
2nd Open: 1/4" Blow- Built to 8 3/4" in 45 min **NOBB**

Recovered 112 ft. of Oil Specked Watery Mud 1% OIL 34% WTR 65% MUD
Recovered 112 ft. of TOTAL FLUID
Recovered _____ ft. of _____
Recovered _____ ft. of Chlorides: 18,000 ppm
Recovered _____ ft. of Ph: 8 Price Job _____
Recovered _____ ft. of RW: .75 @ 35 degrees F Other Charges _____
Remarks: _____ Insurance _____
TOOL SAMPLE: 1% OIL 48% WTR 51% MUD Total _____

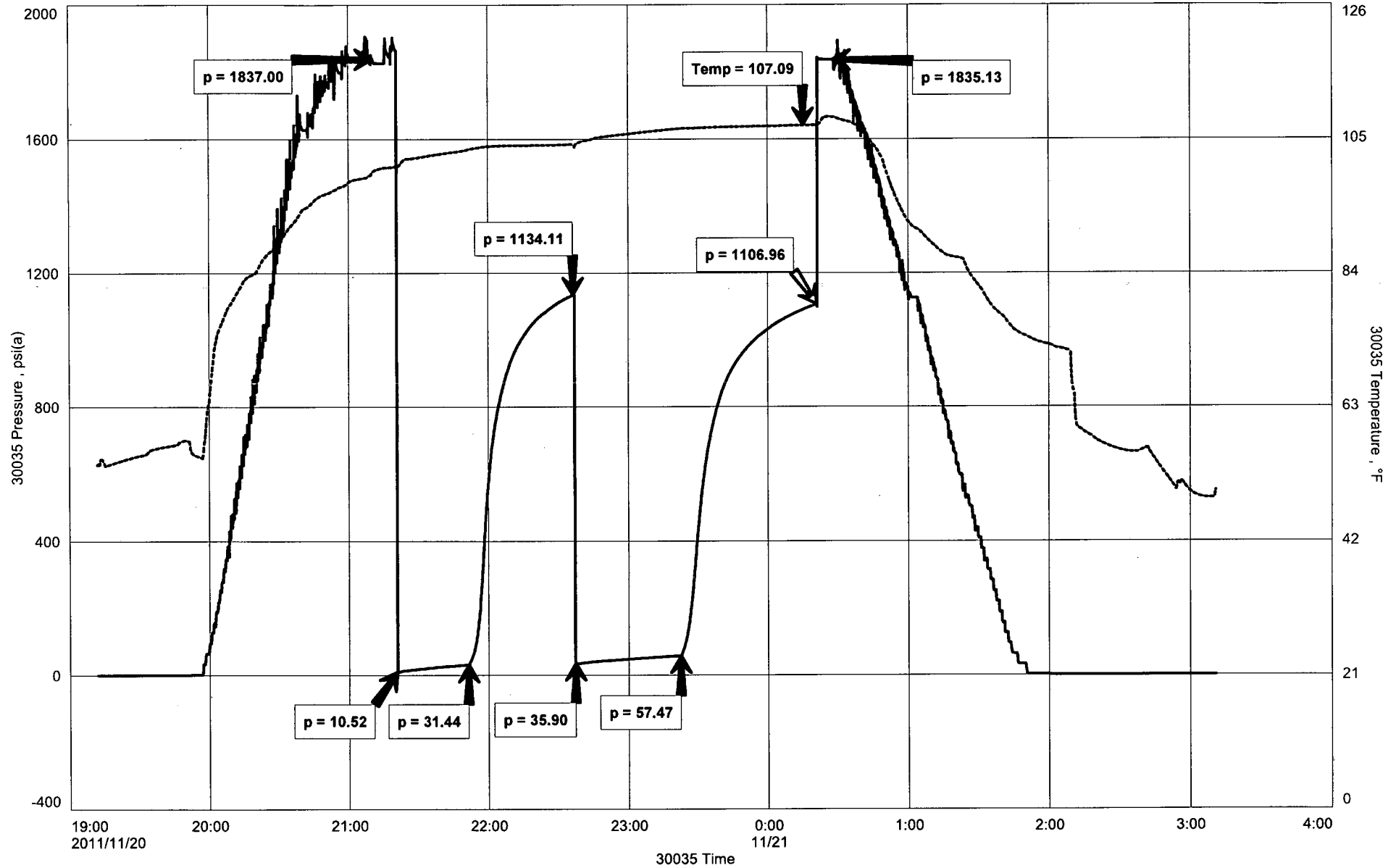
Time Set Packer(s) 9:20 PM 11-20 ^{A.M.}/_{P.M.} Time Started Off Bottom 12:20 AM 11-21 ^{A.M.}/_{P.M.} Maximum Temperature 107
Initial Hydrostatic Pressure..... (A) 1837 P.S.I.
Initial Flow Period..... Minutes 30 (B) 11 P.S.I. to (C) 31 P.S.I.
Initial Closed In Period..... Minutes 45 (D) 1134 P.S.I.
Final Flow Period..... Minutes 45 (E) 36 P.S.I. to (F) 57 P.S.I.
Final Closed In Period..... Minutes 60 (G) 1107 P.S.I.
Final Hydrostatic Pressure..... (H) 1835 P.S.I.

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L.D. Drilling Inc.
DST# 1 3748-3810' L/KC , H-J
Start Test Date: 2011/11/20
Final Test Date: 2011/11/21

Clark #2-33
Formation: DST# 1 3748-3810' L/KC , H-J
Pool: Wildcat
Job Number: S0058

Clark #2-33



Diamond Testing

General information Report

General Information

Company Name L.D. Drilling Inc.

Contact	L.D. Davis	Job Number	S0058
Well Name	Clark #2-33	Representative	Jacob McCallie
Unique Well ID	DST# 1 3748-3810' L/KC , H-J	Well Operator	L.D. Drilling Inc.
Surface Location	SEC 33-25-12 Stafford County	Report Date	2011/11/21
Well License Number		Prepared By	Jacob McCallie
Field	Wildcat		
Well Type	Vertical		

Test Type	Drill Stem Test		
Formation	DST# 1 3748-3810' L/KC , H-J		
Well Fluid Type	01 Oil	Start Test Time	19:12:00
		Final Test Time	03:11:00
Start Test Date	2011/11/20		
Final Test Date	2011/11/21		
Gauge Name	30035		
Gauge Serial Number			

Test Results

RECOVERED:
112' Oil Specked Watery Mud 1% OIL 34% WTR 65% MUD
112' TOTAL FLUID

Chlorides: 18,000 ppm
Ph: 8
RW: .75 @ 35 degrees F

TOOL SAMPLE:
1% OIL 48% WTR 51% MUD



DIAMOND TESTING
 P.O. Box 157
 HOISINGTON, KANSAS 67544
 (800) 542-7313
DRILL-STEM TEST TICKET
 FILE: Clark2-33DST2

TIME ON: 14:49:00
 TIME OFF: 23:28:00

Company L.D. Drilling Inc Lease & Well No. Clark # 2-33
 Contractor Duke Drilling Rig #2 Charge to L.D. Drilling Inc.
 Elevation 1876 KB Formation L/KC K-L Effective Pay _____ Ft. Ticket No. S0059
 Date 11-21-11 Sec. 33 Twp. 25 S Range 12 W County Stafford State KANSAS
 Test Approved By Kim Shoemaker Diamond Representative Jacob McCallie

Formation Test No. 2 Interval Tested from 3816 ft. to 3910 ft. Total Depth 3910 ft.
 Packer Depth 3811 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
 Packer Depth 3816 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.

Depth of Selective Zone Set _____
 Top Recorder Depth (Inside) 3801 ft. Recorder Number 30035 Cap. 10000 P.S.I.
 Bottom Recorder Depth (Outside) 3907 ft. Recorder Number 3851 Cap. 5700 P.S.I.
 Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.
 Mud Type Chem Viscosity 44 Drill Collar Length 0 ft. I.D. 2 1/4 in.
 Weight 9.5 Water Loss 8 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.
 Chlorides 7000 P.P.M. Drill Pipe Length 3787 ft. I.D. 3 1/2 in.
 Jars: Make STERLING Serial Number Safety Joint Test Tool Length 29 ft. Tool Size 3 1/2-IF in.
 Did Well Flow? NO Reversed Out NO Anchor Length 94 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: 7" Blow- Built to BB in 0:37 min BB- BB in 3 1/2 min
 2nd Open: 2" Blow- Built to BB" in 1 min BB-BB in 1 min

Recovered 387 ft. of Oil WTR Gassy Mud 24% GAS 21% OIL 23% WTR 32% MUD
 Recovered 186 ft. of Clean Oil 100% Oil
 Recovered 992 ft. of Oil Specked Mud Cut WTR 1% Oil 97% WTR 2% MUD
 Recovered 1565 ft. of TOTAL FLUID

Recovered _____ ft. of <u>Chlorides: 88,000 ppm Ph: 7</u>	Price Job
Recovered _____ ft. of <u>RW: .18 @ 35 degrees F</u>	Other Charges
Remarks: <u>Gravity: 36 @ 60 degrees F</u>	Insurance
<u>TOOL SAMPLE: 3% Oil 55% WTR 42% MUD</u>	Total

Time Set Packer(s) 4:40 PM A.M. P.M. Time Started Off Bottom 7:40 PM A.M. P.M. Maximum Temperature 117

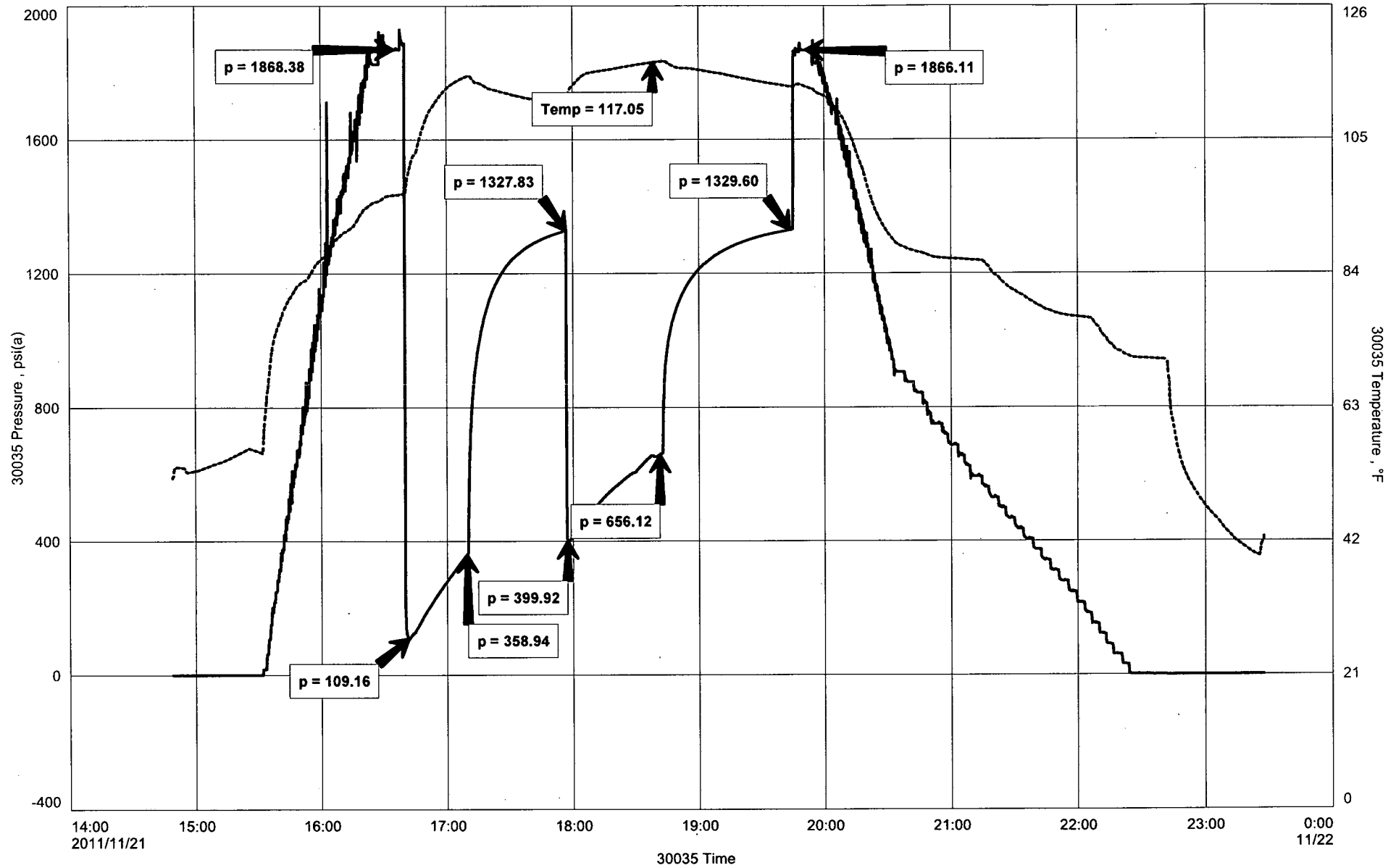
Initial Hydrostatic Pressure..... (A) 1868 P.S.I.
 Initial Flow Period..... Minutes 30 (B) 109 P.S.I. to (C) 359 P.S.I.
 Initial Closed In Period..... Minutes 45 (D) 1328 P.S.I.
 Final Flow Period..... Minutes 45 (E) 400 P.S.I. to (F) 656 P.S.I.
 Final Closed In Period..... Minutes 60 (G) 1330 P.S.I.
 Final Hydrostatic Pressure..... (H) 1866 P.S.I.

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L.D. Drilling Inc
DST # 2 3816-3910' L/KC K-L
Start Test Date: 2011/11/21
Final Test Date: 2011/11/21

Clark # 2-33
Formation: DST # 2 3816-3910' L/KC K-L
Pool: Wildcat
Job Number: S0059

Clark # 2-33



Diamond Testing

General information Report

General Information

Company Name L.D. Drilling Inc

Contact	L.D. Davis	Job Number	S0059
Well Name	Clark # 2-33	Representative	Jacob McCallie
Unique Well ID	DST # 2 3816-3910' L/KC K-L	Well Operator	L.D. Drilling Inc
Surface Location	SEC 33-25S-12W Stafford County	Report Date	2011/11/21
Well License Number		Prepared By	Jacob McCallie
Field	Wildcat		
Well Type	Vertical		

Test Type	Drill Stem Test		
Formation	DST # 2 3816-3910' L/KC K-L		
Well Fluid Type	01 Oil	Start Test Time	14:49:00
		Final Test Time	23:28:00
Start Test Date	2011/11/21		
Final Test Date	2011/11/21		
Gauge Name	30035		
Gauge Serial Number			

Test Results

RECOVERED:

387'	Oil WTR Gassy Mud	24% Gas 21% Oil 23% Wtr 32% Mud
186'	Clean Oil	100% Oil
992'	Oil Specked Mud Cut WTR	1% Oil 97% WTR 2% Mud
1565'	TOTAL FLUID	

Chlorides: 88,000 ppm
Ph: 7
RW: .18 @ 35 degrees F
Gravity: 36 @ 60 degress F

TOOL SAMPLE:

3% OIL 55% WTR 42% MUD



DIAMOND TESTING
 P.O. Box 157
 HOISINGTON, KANSAS 67544
 (800) 542-7313
DRILL-STEM TEST TICKET
 FILE: Clark2-33DST3

TIME ON: 11:52:00
 TIME OFF: 19:22:00

Company L.D. Drilling Inc Lease & Well No. Clark # 2-33
 Contractor Duke Drilling Rig #2 Charge to L.D. Drilling Inc.
 Elevation 1876 KB Formation _____ Miss Effective Pay _____ Ft. Ticket No. S0060
 Date 11-22-11 Sec. 33 Twp. _____ 25 S Range _____ 12 W County _____ Stafford State KANSAS
 Test Approved By Kim Shoemaker Diamond Representative Jacob McCallie

Formation Test No. 3 Interval Tested from 3947 ft. to 4033 ft. Total Depth 4033 ft.
 Packer Depth 3942 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
 Packer Depth 3947 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.

Depth of Selective Zone Set _____
 Top Recorder Depth (Inside) 3928 ft. Recorder Number 30035 Cap. 10000 P.S.I.
 Bottom Recorder Depth (Outside) 4030 ft. Recorder Number 3851 Cap. 5700 P.S.I.
 Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.
 Mud Type Chem Viscosity 52 Drill Collar Length 0 ft. I.D. 2 1/4 in.
 Weight 9.1 Water Loss 9.2 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.
 Chlorides 8500 P.P.M. Drill Pipe Length 3914 ft. I.D. 3 1/2 in.
 Jars: Make STERLING Serial Number 3 Test Tool Length 33 ft. Tool Size 3 1/2-IF in.
 Did Well Flow? NO Reversed Out NO Anchor Length 86 ft. Size 4 1/2-FH in.
 Main Hole Size 7 7/8 Tool Joint Size 4 1/2 XH in. Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: 1" Blow- Built to BB in 3 1/2 min WSBB
 2nd Open: 1" Blow- Built to BB" in 6 min NOBB

Recovered 1674 ft. of GAS IN PIPE
 Recovered 87 ft. of Oil Specked Mud 100% MUD
 Recovered 87 ft. of TOTAL FLUID

Recovered _____ ft. of _____
 Recovered _____ ft. of PH: 7 Chlorides: 15,000 ppm Price Job _____
 Recovered _____ ft. of _____ Other Charges _____
 Remarks: _____ Insurance _____

TOOL SAMPLE: 8% GAS 8% OIL 22% WTR 62% MUD Total _____

Time Set Packer(s) 1:54 PM A.M. P.M. Time Started Off Bottom 4:54 PM A.M. P.M. Maximum Temperature 108

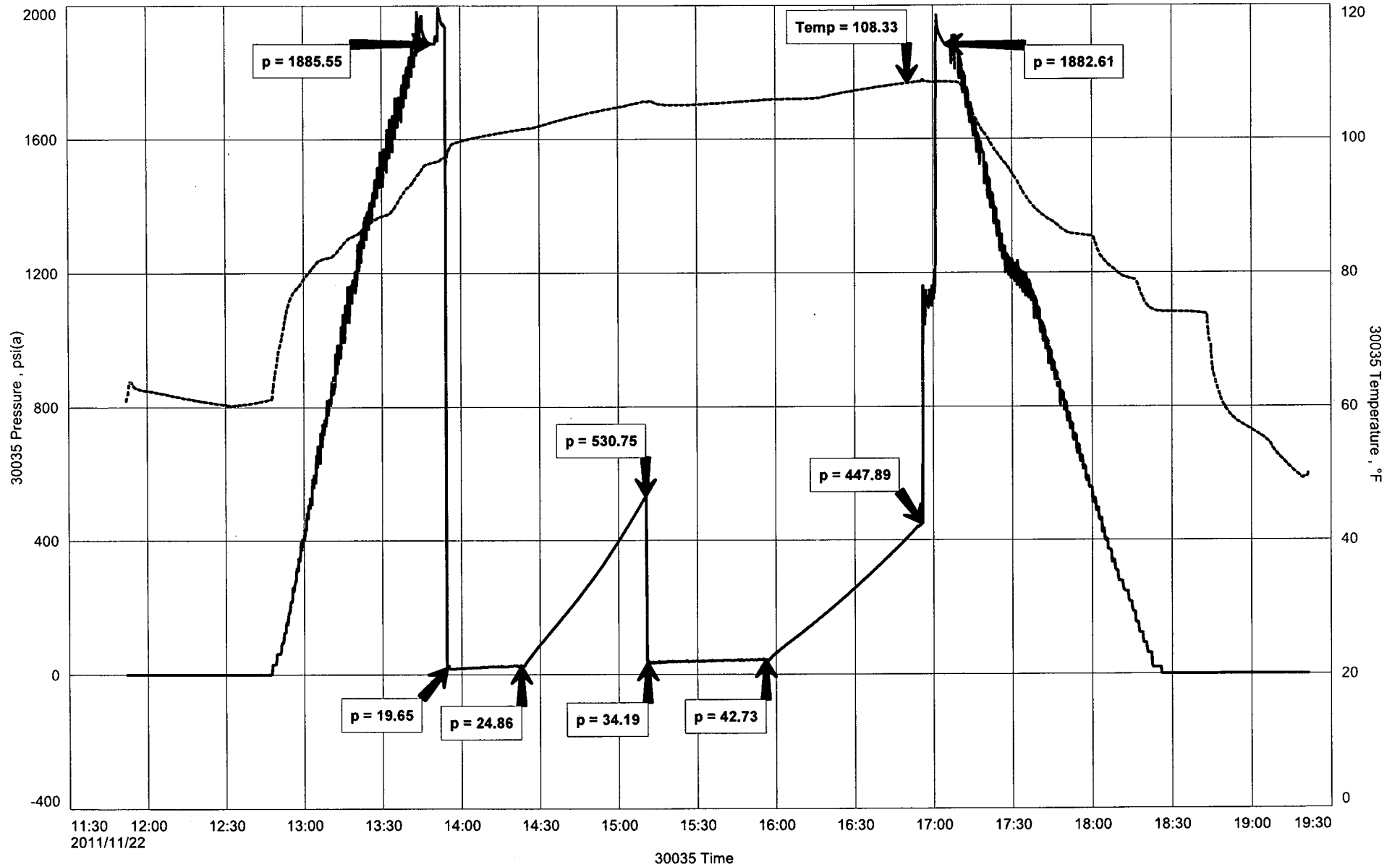
Initial Hydrostatic Pressure..... (A) 1886 P.S.I.
 Initial Flow Period..... Minutes 30 (B) 20 P.S.I. to (C) 25 P.S.I.
 Initial Closed In Period..... Minutes 45 (D) 531 P.S.I.
 Final Flow Period..... Minutes 45 (E) 34 P.S.I. to (F) 43 P.S.I.
 Final Closed In Period..... Minutes 60 (G) 448 P.S.I.
 Final Hydrostatic Pressure..... (H) 1883 P.S.I.

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L.D. Drilling Inc
DST # 3 3947-4033' Miss
Start Test Date: 2011/11/22
Final Test Date: 2011/11/22

Clark # 2-33
Formation: DST # 3 3947-4033' Miss
Pool: Wildcat
Job Number: S0060

Clark # 2-33



Diamond Testing

General information Report

General Information

Company Name L.D. Drilling Inc

Contact	L.D. Davis	Job Number	S0060
Well Name	Clark # 2-33	Representative	Jacob McCallie
Unique Well ID	DST # 3 3947-4033' Miss	Well Operator	L.D. Drilling Inc
Surface Location	SEC 33-25S-12W Stafford County	Report Date	2011/11/22
Well License Number		Prepared By	Jacob McCallie
Field	Wildcat		
Well Type	Vertical		

Test Type	Drill Stem Test		
Formation	DST # 3 3947-4033' Miss		
Well Fluid Type	01 Oil	Start Test Time	11:52:00
		Final Test Time	19:22:00
Start Test Date	2011/11/22		
Final Test Date	2011/11/22		
Gauge Name	30035		
Gauge Serial Number			

Test Results

RECOVERED:
1674' GAS IN PIPE
87' Oil Specked Mud 100% MUD
87' TOTAL FLUID

CHLORIDES: 15,000 ppm
PH: 7

TOOL SAMPLE:
8% GAS 8% OIL 22% WTR 62% MUD



DIAMOND TESTING
 P.O. Box 157
 HOISINGTON, KANSAS 67544
 (800) 542-7313
DRILL-STEM TEST TICKET
 FILE: Clark2-33DST4

TIME ON: 03:08:00

TIME OFF: 11:20:00

Company L.D. Drilling Inc Lease & Well No. Clark # 2-33
 Contractor Duke Drilling Rig #2 Charge to L.D. Drilling Inc.
 Elevation 1876 KB Formation Viola Effective Pay _____ Ft. Ticket No. S0061
 Date 11-23-11 Sec. 33 Twp. _____ 25 S Range _____ 12 W County Stafford State KANSAS
 Test Approved By Kim Shoemaker Diamond Representative Jacob McCallie

Formation Test No. 4 Interval Tested from 4030 ft. to 4084 ft. Total Depth 4084 ft.
 Packer Depth 4025 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
 Packer Depth 4030 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.

Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 4011 ft. Recorder Number 30035 Cap. 10000 P.S.I.
 Bottom Recorder Depth (Outside) 4081 ft. Recorder Number 3851 Cap. 5700 P.S.I.
 Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.

Mud Type Chem Viscosity 48 Drill Collar Length _____ 0 ft. I.D. 2 1/4 in.
 Weight 9.4 Water Loss 9.2 cc. Weight Pipe Length _____ 0 ft. I.D. 2 7/8 in
 Chlorides 8000 P.P.M. Drill Pipe Length 3997 ft. I.D. 3 1/2 in

Jars: Make STERLING Serial Number 3 Test Tool Length 33 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: 1" Blow- Built to BB in 8 min. 1 1/2" BB
 2nd Open: WSB- Built to BB in 15 min. NOBB

Recovered 332 ft. of GIP
 Recovered 102 ft. of Oil Cut Watery Mud 2% Oil 10% WTR 88% Mud
 Recovered 248 ft. of Oil specked Gas Cut Muddy WTR 11% Gas 1% Oil 56% WTR 32% Mud
 Recovered 350 ft. of TOTAL FLUID

Recovered _____ ft. of <u>Chlorides: 42,000 ppm Ph: 7</u>	Price Job
Recovered _____ ft. of <u>RW: .24 @ 48 degrees F</u>	Other Charges
Remarks: _____	Insurance
<u>TOOL SAMPLE: 1% Oil 98% WTR 1% Mud</u>	Total

Time Set Packer(s) 5:28 AM A.M. P.M. Time Started Off Bottom 8:28 AM A.M. P.M. Maximum Temperature 117

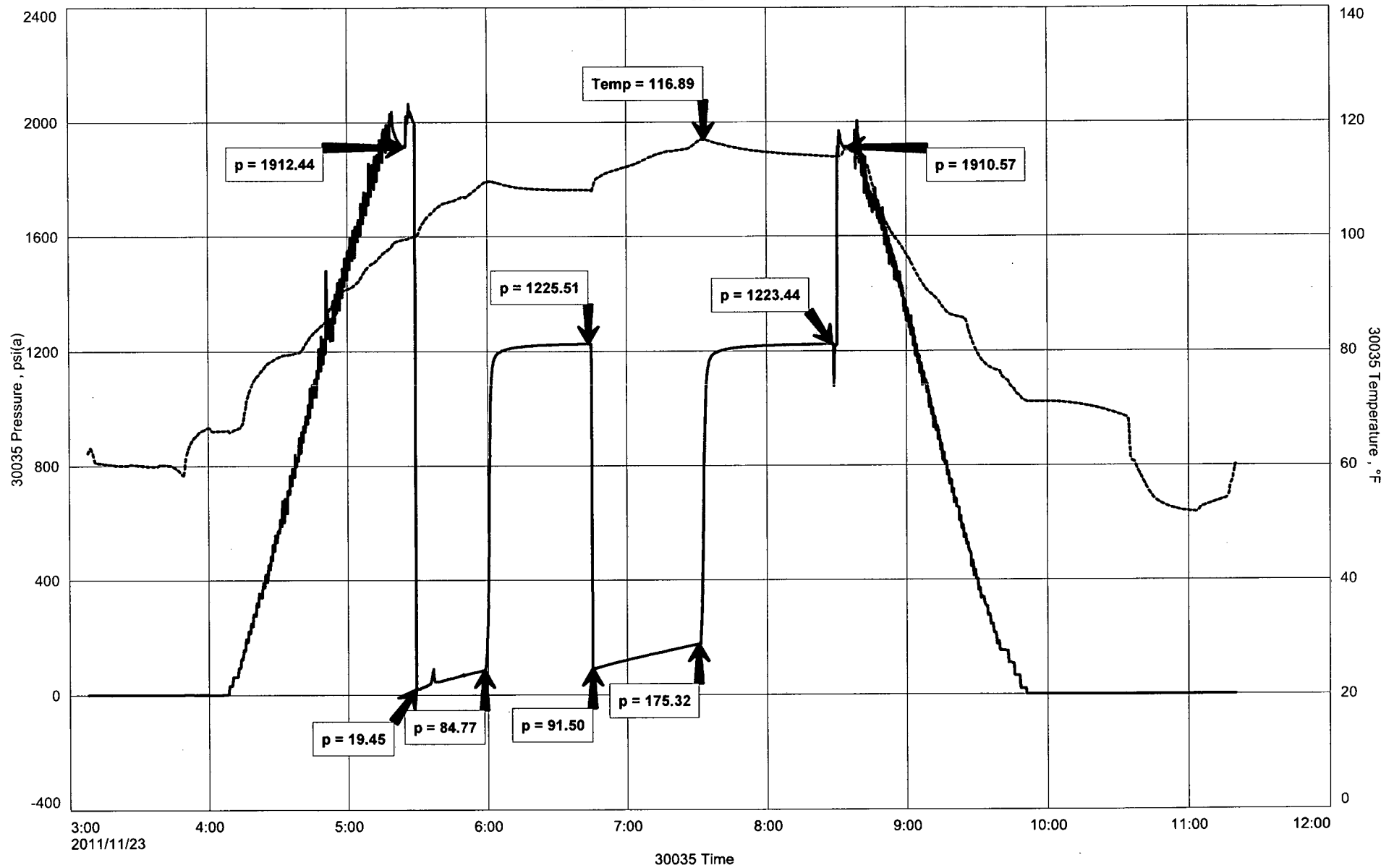
Initial Hydrostatic Pressure..... (A) 1912 P.S.I.
 Initial Flow Period..... Minutes 30 (B) 19 P.S.I. to (C) 85 P.S.I.
 Initial Closed In Period..... Minutes 45 (D) 1226 P.S.I.
 Final Flow Period..... Minutes 45 (E) 92 P.S.I. to (F) 175 P.S.I.
 Final Closed In Period..... Minutes 60 (G) 1223 P.S.I.
 Final Hydrostatic Pressure..... (H) 1911 P.S.I.

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L.D. Drilling Inc.
DST # 4 4030-4084' Viola
Start Test Date: 2011/11/23
Final Test Date: 2011/11/23

Clark # 2-33
Formation: DST # 4 4030-4084' Viola
Pool: Wildcat
Job Number: S0061

Clark # 2-33



Diamond Testing

General information Report

General Information

Company Name L.D. Drilling Inc.

Contact	L.D. Davis	Job Number	S0061
Well Name	Clark # 2-33	Representative	Jacob McCallie
Unique Well ID	DST # 4 4030-4084' Viola	Well Operator	L.D. Drilling Inc.
Surface Location	SEC 33-25S-12W Stafford County	Report Date	2011/11/23
Well License Number		Prepared By	Jacob McCallie
Field	Wildcat		
Well Type	Vertical		

Test Type	Drill Stem Test		
Formation	DST # 4 4030-4084' Viola		
Well Fluid Type	01 Oil	Start Test Time	03:08:00
		Final Test Time	11:20:00
Start Test Date	2011/11/23		
Final Test Date	2011/11/23		
Gauge Name	30035		
Gauge Serial Number			

Test Results

RECOVERED:

332'	GIP		
102'	Oil Cut Watery Mud	2% Oil 10% Wtr	88% Mud
248'	Oil Specked Gas Cut Muddy WTR	11% Gas 1% Oil	56% Wtr 32% Mud
350'	TOTAL FLUID		

Chlorides: 42,000 ppm
Ph: 7
RW: .24 @ 48 degress F

TOOL SAMPLE:

1% Oil 98% WTR 1% Mud