

CONFIDENTIAL

KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION

ORIGINAL

Form ACO-1  
June 2009  
Form Must Be Typed  
Form must be Signed  
All blanks must be Filled

8/3/12

WELL COMPLETION FORM  
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # 31783  
Name: Mid-Continent Energy Operating Company  
Address 1: 100 W. 5th  
Address 2: Suite 450  
City: Tulsa State: OK Zip: 74103 + 4254  
Contact Person: G. M. Canaday  
Phone: ( 918 ) 587-6363  
CONTRACTOR: License # 33575  
Name: W. W. Drilling, LLC  
Wellsite Geologist: Larry Nicholson

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API No. 15 - 181-20560-00-00  
Spot Description: \_\_\_\_\_  
NE SW SE NE Sec. 11 Twp. 7 S. R. 39  East  West  
2,127 Feet from  North /  South Line of Section  
832 Feet from  East /  West Line of Section  
Footages Calculated from Nearest Outside Section Corner:  
 NE  NW  SE  SW  
County: SHERMAN  
Lease Name: YARGER Well #: 1-11  
Field Name: Wildcat

Designate Type of Completion:  
 New Well  Re-Entry  Workover  
 Oil  WSW  SWD  SIOW  
 Gas  D&A  ENHR  SIGW  
 OG  GSW  Temp. Abd.  
 CM (Coal Bed Methane)  
 Cathodic  Other (Core, Expl., etc.): \_\_\_\_\_

If Workover/Re-entry: Old Well Info as follows:  
Operator: \_\_\_\_\_  
Well Name: \_\_\_\_\_  
Original Comp. Date: \_\_\_\_\_ Original Total Depth: \_\_\_\_\_  
 Deepening  Re-perf.  Conv. to ENHR  Conv. to SWD  
 Conv. to GSW  
 Plug Back: \_\_\_\_\_ Plug Back Total Depth \_\_\_\_\_  
 Commingled Permit #: \_\_\_\_\_  
 Dual Completion Permit #: \_\_\_\_\_  
 SWD Permit #: \_\_\_\_\_  
 ENHR Permit #: \_\_\_\_\_  
 GSW Permit #: \_\_\_\_\_

05/12/10  
Spud Date or Date Reached TD Completion Date or Recompletion Date  
08/03/10 5/24/10  
08/21/13

Producing Formation: \_\_\_\_\_  
Elevation: Ground: 3521 Kelly Bushing: 3526  
Total Depth: 5198 Plug Back Total Depth: \_\_\_\_\_  
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: 6000 ppm Fluid volume: 1000 bbls  
Dewatering method used: Allowed to Dry  
Location of fluid disposal if hauled offsite: \_\_\_\_\_  
Operator Name: \_\_\_\_\_  
Lease Name: \_\_\_\_\_ License #: \_\_\_\_\_  
Quarter \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West  
County: \_\_\_\_\_ Permit #: \_\_\_\_\_

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market - Room 2078, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. Information of side two of this form will be held confidential for a period of 12 months if requested in writing and submitted with the form (see rule 82-3-107 for confidentiality in excess of 12 months). One copy of all wireline logs and geologist well report shall be attached with this form. ALL CEMENTING TICKETS MUST BE ATTACHED. Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells.

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.  
Signature: \_\_\_\_\_  
Title: President Date: 08/03/10

KCC Office Use ONLY  
 Letter of Confidentiality Received  
Date: 8-3-10 - 8-3-12  
 Confidential Release Date: \_\_\_\_\_  
 Wireline Log Received  
 Geologist Report Received  
 UIC Distribution  
ALT  I  II  III Approved by: NY Date: 8-3-10  
PX

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AUG 03 2010

Operator Name: Mid-Continent Energy Operating Company Lease Name: YARGER Well #: 1-11  
Sec. 11 Twp. 7 S. R. 39  East  West County: SHERMAN **CONFIDENTIAL**

**INSTRUCTIONS:** Show important tops and base of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed. Attach complete copy of all Electric Wire-line Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken <i>(Attach Additional Sheets)</i>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Name	Top	Datum
Cores Taken	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Stone Corral	3148	+378
Electric Log Run	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Topeka	4171	-645
Electric Log Submitted Electronically <i>(If no, Submit Copy)</i>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Heebner	4296	-770
List All E. Logs Run:		Lansing-Kansas City	4348	-822
<b>CNL/CDL, DIL, MEL, BHCS</b>		Cherokee	4803	-1277
		Mississippi	5078	-1552
		TD	5197	-1671

CASING RECORD <input 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	12-1/4"	8-5/8"	23	344	Common	240	3% CC, 2% gel

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate <input type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone				

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record <i>(Amount and Kind of Material Used)</i>	Depth

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

<b>DISPOSITION OF GAS:</b> <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	<b>METHOD OF COMPLETION:</b> <input type="checkbox"/> Open Hole <input 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> _____	<b>PRODUCTION INTERVAL:</b> _____ _____
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# ALLIED CEMENTING CO., LLC. 039256

KCC

AUG 03 2010

REMIT TO P.O. BOX 31  
RUSSELL, KANSAS 67665

SERVICE POINT:

OAKLEY, KS

CONFIDENTIAL

DATE <u>5-23-10</u>	SEC. <u>11</u>	TWP. <u>7S</u>	RANGE <u>29E</u>	CALLED OUT	ON LOCATION <u>10:00am</u>	JOB START <u>4:00am</u>	JOB FINISH <u>4:30am</u>
LEASE <u>45502</u>	WELL # <u>1-11</u>	LOCATION <u>Goodland RN-2-26</u>			COUNTY <u>Sheppard</u>	STATE <u>KS</u>	
OLD OR NEW (Circle one)							

CONTRACTOR W-W #2  
 TYPE OF JOB PTA  
 HOLE SIZE 5 7/8 TD. 5273  
 CASING SIZE \_\_\_\_\_ DEPTH \_\_\_\_\_  
 TUBING SIZE \_\_\_\_\_ DEPTH \_\_\_\_\_  
 DRILL PIPE 2 DEPTH 3160  
 TOOL \_\_\_\_\_ DEPTH \_\_\_\_\_  
 PRES. MAX \_\_\_\_\_ MINIMUM \_\_\_\_\_  
 MEAS. LINE \_\_\_\_\_ SHOE JOINT \_\_\_\_\_  
 CEMENT LEFT IN CSG. \_\_\_\_\_  
 PERFS. \_\_\_\_\_  
 DISPLACEMENT \_\_\_\_\_

OWNER \_\_\_\_\_  
 CEMENT \_\_\_\_\_  
 AMOUNT ORDERED 220 SKK local  
4970 SKK @ 1050 SKK

EQUIPMENT  
 PUMP TRUCK CEMENTER Tuss  
 # 431 HELPER Pilly  
 BULK TRUCK \_\_\_\_\_  
 # 377 DRIVER Donny  
 BULK TRUCK \_\_\_\_\_  
 # \_\_\_\_\_ DRIVER \_\_\_\_\_

COMMON	<u>132</u>	@ <u>15.45</u>	<u>2039.40</u>
POZMIX	<u>88</u>	@ <u>8</u>	<u>704.00</u>
GEL	<u>8</u>	@ <u>20.00</u>	<u>166.00</u>
CHLORIDE		@	
ASC		@	
	<u>55</u>	@ <u>2.50</u>	<u>137.50</u>
HANDLING	<u>230</u>	@ <u>2.40</u>	<u>552.00</u>
MILEAGE	<u>110.54</u>	@ <u>12.00</u>	<u>1326.60</u>
TOTAL			<u>4970.00</u>

REMARKS:  
25 SKK @ 3160  
100 SKK @ 2250  
40 SKK @ 2900  
10 SKK @ 40  
30 SKK @ 100  
15 SKK @ 100  
Job completed @ 4:30am  
Thanks Tuss

SERVICE

DEPTH OF JOB	<u>3160'</u>	
PUMP TRUCK CHARGE		<u>1185.00</u>
EXTRA FOOTAGE	@	
MILEAGE	<u>60</u>	@ <u>7.00</u> <u>420.00</u>
MANIFOLD	@	
	@	
	@	
TOTAL		<u>1605.00</u>

CHARGE TO: Mid Continent Energy Operations  
 STREET \_\_\_\_\_  
 CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

PLUG & FLOAT EQUIPMENT

1 Dry hole plug	@	<u>40.00</u>
	@	
	@	
	@	
TOTAL		<u>40.00</u>

To Allied Cementing Co., LLC.  
 You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

SALES TAX (If Any) \_\_\_\_\_  
 TOTAL CHARGES \_\_\_\_\_

PRINTED NAME \_\_\_\_\_  
 SIGNATURE Dale Bunnick

DISCOUNT \_\_\_\_\_ IF PAID IN 30 DAYS  
 RECEIVED RECEIVED  
 AUG 05 2010 AUG 05 2010

KCC WICHITA KCC WICHITA

# ALLIED CEMENTING CO., LLC. 039246

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REMIT TO P.O. BOX 31  
RUSSELL, KANSAS 67665

AUG 03 2010

SERVICE POINT:

OAK KS

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DATE 5-17-10	SEC 11	TWP. 17	RANGE 39	CALLED OUT	ON LOCATION 7:00 AM	JOB START 12:30 AM	JOB FINISH 1:00 AM
LEASE	WELL #	LOCATION Goodland Twp. n.m. 120		COUNTY	STATE	KS	
OLD OR <u>NEW</u> (Circle one)							

CONTRACTOR W. W. & D.  
 TYPE OF JOB Surface  
 HOLE SIZE 12 1/4" I.D. 345'  
 CASING SIZE 8 1/2" I.D. 345'  
 TUBING SIZE 8 1/2" I.D. 345'  
 DRILL PIPE 8 1/2" I.D. 345'  
 TOOL 8 1/2" I.D. 345'  
 PRES. MAX 3000 MINIMUM 1000  
 MEAS. LINE 345' SHOE JOINT 345'  
 CEMENT LEFT IN CSG. 15'  
 PERFS. 0  
 DISPLACEMENT 2100

OWNER \_\_\_\_\_  
 CEMENT AMOUNT ORDERED 240 cum 3900  
2900  
 COMMON 240 @ 15.00 3708.00  
 POZMIX \_\_\_\_\_ @ \_\_\_\_\_  
 GEL 5 @ 20.80 104.00  
 CHLORIDE 8 @ 58.20 465.60  
 ASC \_\_\_\_\_ @ \_\_\_\_\_  
 \_\_\_\_\_ @ \_\_\_\_\_  
 \_\_\_\_\_ @ \_\_\_\_\_  
 \_\_\_\_\_ @ \_\_\_\_\_  
 \_\_\_\_\_ @ \_\_\_\_\_  
 \_\_\_\_\_ @ \_\_\_\_\_  
 HANDLING 253 @ 2.40 607.20  
 MILEAGE 10432 km 12 1517.00  
 TOTAL 6402.80

**EQUIPMENT**

PUMP TRUCK CEMENTER Fuzza  
 # 431 HELPER Kelly  
 BULK TRUCK \_\_\_\_\_  
 # 377 DRIVER Darwin  
 BULK TRUCK \_\_\_\_\_  
 # \_\_\_\_\_ DRIVER \_\_\_\_\_

**REMARKS:**

Cemented and displaced  
345' of 8 1/2" casing  
Job complete @ 1:00 AM  
Thanks Fuzza & Kelly

**SERVICE**

DEPTH OF JOB 345'  
 PUMP TRUCK CHARGE 1017.00  
 EXTRA FOOTAGE 45 @ .85 38.25  
 MILEAGE 60 @ 7.25 435.00  
 MANIFOLD \_\_\_\_\_ @ \_\_\_\_\_  
 \_\_\_\_\_ @ \_\_\_\_\_  
 \_\_\_\_\_ @ \_\_\_\_\_  
 TOTAL 1438.25

**PLUG & FLOAT EQUIPMENT**

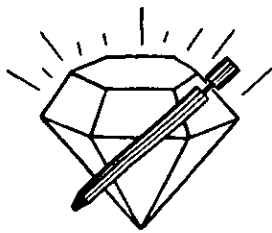
RECEIVED \_\_\_\_\_ @ \_\_\_\_\_  
 AUG 06 2010 \_\_\_\_\_ @ \_\_\_\_\_  
 KCC WICHTA \_\_\_\_\_ @ \_\_\_\_\_  
 \_\_\_\_\_ @ \_\_\_\_\_  
 TOTAL \_\_\_\_\_

CHARGE TO: Mid Continent Energy Operations  
 STREET \_\_\_\_\_  
 CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

To Allied Cementing Co., LLC.  
 You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

PRINTED NAME Sally Schneider  
 SIGNATURE [Signature]

SALES TAX (If Any) \_\_\_\_\_  
 TOTAL CHARGES \_\_\_\_\_  
 DISCOUNT \_\_\_\_\_ IF PAID IN 30 DAYS \_\_\_\_\_



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

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Company Mid-Continent Energy Operating Company Lease & Well No. Yarger No. 1-11  
 Elevation 3526 KB Formation Lansing "D" Effective Pay      Ft. Ticket No. 2663  
 Date 5-18-10 Sec. 11 Twp. 7S Range 39W County Sherman State Kansas

Test Approved By Larry Nicholson Diamond Representative Roger D. Friedly

Formation Test No. 1 Interval Tested from 4,392 ft. to 4,417 ft. Total Depth 4,417 ft.  
 Packer Depth 4,387 ft. Size 6 3/4 in. Packer Depth      ft. Size      in.  
 Packer Depth 4,392 ft. Size 6 3/4 in. Packer Depth      ft. Size      in.  
 Depth of Selective Zone Set      ft.

Top Recorder Depth (Inside) 4,373 ft. Recorder Number 1150 Cap. 5,000 psi  
 Bottom Recorder Depth (Outside) 4,414 ft. Recorder Number 3815 Cap. 5,700 psi  
 Below Straddle Recorder Depth      ft. Recorder Number      Cap.      psi

Drilling Contractor WV Drilling, LLC - Rig 2 Drill Collar Length 124 ft. I.D. 2 1/4 in.  
 Mud Type Chemical Viscosity 48 Weight Pipe Length      ft. I.D.      in.  
 Weight 9.2 Water Loss 9.6 cc. Drill Pipe Length 4,234 ft. I.D. 3 1/2 in.  
 Chlorides 5,600 P.P.M. Test Tool Length 34 ft. Tool Size 3 1/2 - IF in.  
 Jars: Make Sterling Serial Number 3 Anchor Length 25 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: Weak, surface blow increasing to 1 1/2 ins. No blow back during shut-in.  
2nd Open: Weak, surface blow increasing to 1 3/4 ins. No blow back during shut-in.

Recovered 30 ft. of watery mud = .147600 bbls. (Grind out: 2%-water; 98%-mud)  
 Recovered 60 ft. of watery mud = .295200 bbls. (Grind out: 18%-water; 82%-mud) Chlorides: 9,500 Ppm  
 Recovered 90 ft. of TOTAL FLUID = .442800 bbls. PH: 7.5 RW: .47 @ 51°  
 Recovered      ft. of       
 Recovered      ft. of     

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Remarks Tool Sample Grind Out: 32%-water; 68%-mud with a scum of oil

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Time Set Packer(s) 11:32 A.M. Time Started Off Bottom 3:47 P.M. Maximum Temperature 124°  
 Initial Hydrostatic Pressure (A) 2094 P.S.I.  
 Initial Flow Period Minutes 30 (B) 4 P.S.I. to (C) 24 P.S.I.  
 Initial Closed In Period Minutes 75 (D) 1249 P.S.I.  
 Final Flow Period Minutes 60 (E) 26 P.S.I. to (F) 54 P.S.I.  
 Final Closed In Period Minutes 90 (G) 1152 P.S.I.  
 Final Hydrostatic Pressure (H) 2091 P.S.I.

# Diamond Testing

Page 2 of 2 Pages  
General information Report

## General Information

Company Name MID-CONTINENT OPERATING CO.

Contact	RICHARD SAENZ	Job Number	
Well Name	YARGER #1-11	Representative	ROGER D. FRIEDLY
Unique Well ID	DST #1 LANSING 'D' 4,392' - 4,417'	Well Operator	MID-CONTINENT OPERATING CO.
Surface Location	SEC 11-7S-39W SHEMAN COUNTY, KANSAS	Report Date	2010/05/18
Well License Number		Prepared By	ROGER D. FRIEDLY
Field	WILDCAT		
Well Type	Vertical		

Test Type	CONVENTIONAL	Start Test Time	09:00:00
Formation	DST #1 LANSING 'D' 4,392' - 4,417'	Final Test Time	18:02:00
Well Fluid Type	06 Water		
Start Test Date	2010/05/18		
Final Test Date	2010/05/18		
Gauge Name	1150		
Gauge Serial Number			

## Test Results

RECOVERED: 30' WM 2% WTR, 98% MUD  
60' WM 18% WTR, 82% MUD  
90' TOTAL FLUID

TOOL SAMPLE: 32% WTR, 68% MUD - WITH SCUM OF OIL

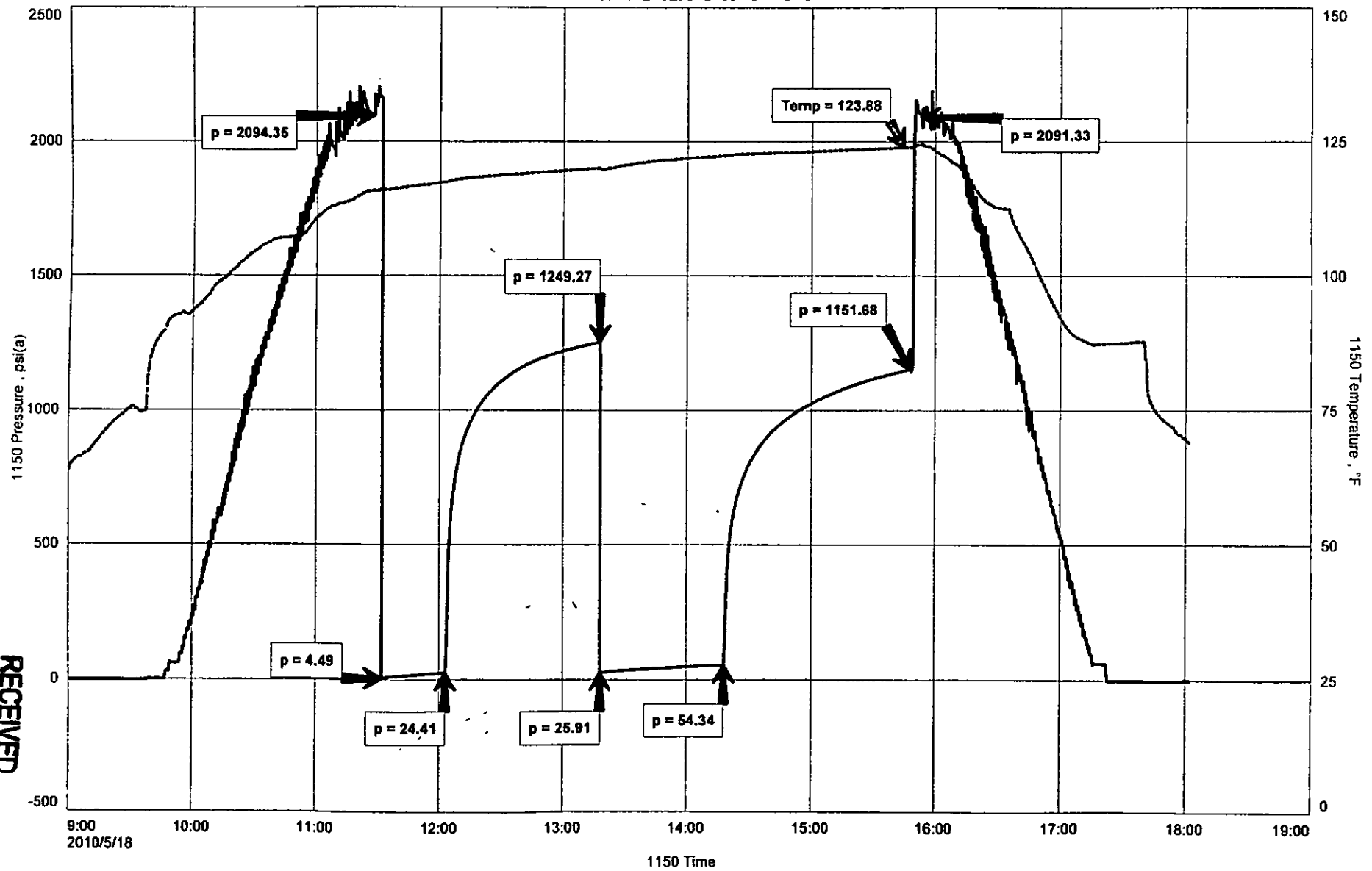
CHLORIDES: 9,500 Ppm  
PH: 7.5  
RW: .47 @ 51 deg.

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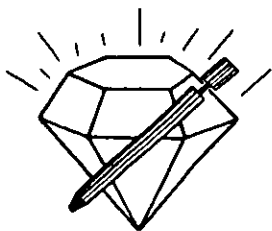
MID-CONTINENT OPERATING CO.  
DST #1 LANSING 'D' 4,392' - 4,417'  
Start Test Date: 2010/05/18  
Final Test Date: 2010/05/18

YARGER #1-11  
Formation: DST #1 LANSING 'D' 4,392' - 4,417'

# YARGER #1-11



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

Company Mid-Continent Energy Operating Company Lease & Well No. Yarger No. 1-11  
Elevation 3526 KB Formation Lansing "I" Effective Pay \_\_\_\_\_ Ft. Ticket No. 2664  
Date 5-19-10 Sec. 11 Twp. 7S Range 39W County Sherman State Kansas  
Test Approved By Larry Nicholson Diamond Representative Roger D. Friedly

Formation Test No. 2 Interval Tested from 4,515 ft. to 4,548 ft. Total Depth 4,548 ft.  
Packer Depth 4,510 ft. Size 6 3/4 in. Packer Depth \_\_\_\_\_ ft. Size \_\_\_\_\_ in.  
Packer Depth 4,515 ft. Size 6 3/4 in. Packer Depth \_\_\_\_\_ ft. Size \_\_\_\_\_ in.  
Depth of Selective Zone Set \_\_\_\_\_ ft.

Top Recorder Depth (Inside) \_\_\_\_\_ 4,496 ft. Recorder Number 1150 Cap. 5,000 psi  
Bottom Recorder Depth (Outside) \_\_\_\_\_ 4,545 ft. Recorder Number 3815 Cap. 5,700 psi  
Below Straddle Recorder Depth \_\_\_\_\_ ft. Recorder Number \_\_\_\_\_ Cap. \_\_\_\_\_ psi

Drilling Contractor WW Drilling, LLC - Rig 2 Drill Collar Length 124 ft. I.D. 2 1/4 in.  
Mud Type Chemical Viscosity 58 Weight Pipe Length \_\_\_\_\_ ft. I.D. \_\_\_\_\_ in.  
Weight 9.2 Water Loss 6.8 cc. Drill Pipe Length 4,357 ft. I.D. 3 1/2 in.  
Chlorides 6,200 P.P.M. Test Tool Length 34 ft. Tool Size 3 1/2 - IF in.  
Jars: Make Sterling Serial Number 3 Anchor Length 33 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: Weak, surface blow increasing to 1/2 in.; decreasing in 18 mins. Died in 28 mins. No blow back during shut-in.  
2nd Open: No blow. No blow back during shut-in.

Recovered 4 ft. of drilling mud = .019680 bbls. (Grind out: 100%-mud)  
Recovered \_\_\_\_\_ ft. of \_\_\_\_\_  
Recovered \_\_\_\_\_ ft. of \_\_\_\_\_  
Recovered \_\_\_\_\_ ft. of \_\_\_\_\_  
Recovered \_\_\_\_\_ ft. of \_\_\_\_\_  
Remarks Tool Sample Grind Out: 100%-drilling mud

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Time Set Packer(s)	<u>9:10</u>	<del>XXX</del> P.M.	Time Started Off Bottom	<u>11:10</u>	<del>XXX</del> P.M.	Maximum Temperature	<u>121°</u>
Initial Hydrostatic Pressure	(A)	<u>2177</u>	P.S.I.				
Initial Flow Period	Minutes	<u>30</u>	(B)	<u>6</u>	P.S.I.	to (C)	<u>6</u> P.S.I.
Initial Closed In Period	Minutes	<u>30</u>	(D)	<u>26</u>	P.S.I.		
Final Flow Period	Minutes	<u>30</u>	(E)	<u>6</u>	P.S.I.	to (F)	<u>6</u> P.S.I.
Final Closed In Period	Minutes	<u>30</u>	(G)	<u>18</u>	P.S.I.		
Final Hydrostatic Pressure	(H)	<u>2176</u>	P.S.I.				



# Diamond Testing

Page 2 of 2 Pages  
General information Report

## General Information

Company Name MID-CONTINENT OPERATING CO.

Contact	RICHARD SAENZ	Job Number	
Well Name	YARGER #1-11	Representative	ROGER D. FRIEDLY
Unique Well ID	DST #2 LANSING 'I' 4,515' - 4,548'	Well Operator	MID-CONTINENT OPERATING CO.
Surface Location	SEC 11-7S-39W SHERMAN COUNTY, KANSAS	Report Date	2010/05/20
Well License Number		Prepared By	ROGER D. FRIEDLY
Field	WILDCAT		
Well Type	Vertical		

Test Type	CONVENTIONAL	Start Test Time	18:50:00
Formation	DST #2 LANSING 'I' 4,515' - 4,548'	Final Test Time	01:17:00
Well Fluid Type	01 Oil		
Start Test Date	2010/05/19		
Final Test Date	2010/05/20		
Gauge Name	1150		
Gauge Serial Number			

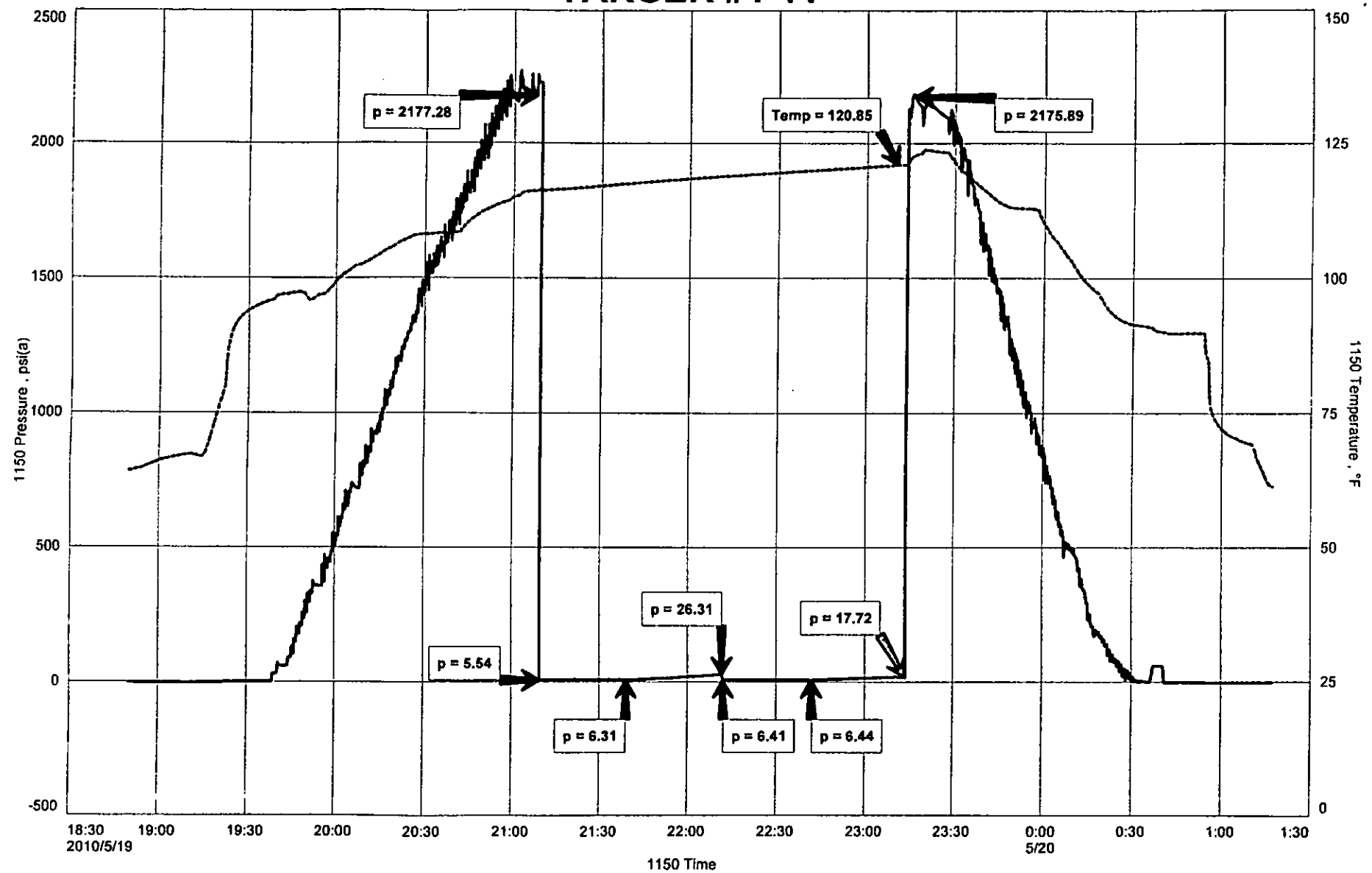
## Test Results

RECOVERED: 4' DM 100% MUD

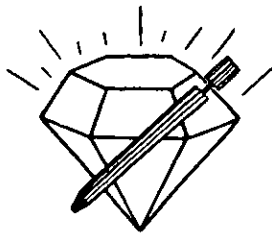
TOOL SAMPLE: 100% MUD NO SHOW

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# YARGER #1-11



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AUG 19 2010  
KCC WICHITA



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

Company Mid-Continent Energy Operating Company Lease & Well No. Yarger No. 1-11  
Elevation 3526 KB Formation Lansing "J" Effective Pay -- Ft. Ticket No. 2665  
Date 5-20-10 Sec. 11 Twp. 7S Range 39W County Sherman State Kansas  
Test Approved By Larry Nicholson Diamond Representative Roger D. Friedly

Formation Test No. 3 Interval Tested from 4,545 ft. to 4,574 ft. Total Depth 4,574 ft.  
Packer Depth 4,540 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.  
Packer Depth 4,545 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.  
Depth of Selective Zone Set          ft.

Top Recorder Depth (Inside) 4,526 ft. Recorder Number 1150 Cap. 5,000 psi  
Bottom Recorder Depth (Outside) 4,571 ft. Recorder Number 3815 Cap. 5,700 psi  
Below Straddle Recorder Depth          ft. Recorder Number          Cap.          psi

Drilling Contractor WW Drilling, LLC - Rig 2 Drill Collar Length 124 ft. I.D. 2 1/4 in.  
Mud Type Chemical Viscosity 48 Weight Pipe Length -- ft. I.D. -- in.  
Weight 9.1 Water Loss 7.2 cc. Drill Pipe Length 4,387 ft. I.D. 3 1/2 in.  
Chlorides 5,600 P.P.M. Test Tool Length 34 ft. Tool Size 3 1/2 - IF in.  
Jars: Make Sterling Serial Number 3 Anchor Length 29 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: Weak, 1/8 in., blow increasing to 1 1/8 ins. No blow back during shut-in.  
2nd Open: Weak, surface blow in 5 mins. increasing to 1/2 in. No blow back during shut-in.

Recovered 40 ft. of slightly oil cut mud = .196800 bbls. (Grind out: 1%-oil; 99%-mud)  
Recovered          ft. of           
Recovered          ft. of           
Recovered          ft. of           
Recovered          ft. of         

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Remarks Tool Sample Grind Out: 1%-oil; 99%-mud

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Time Set Packer(s) 12:59 <sup>AXM.</sup> P.M. Time Started Off Bottom 5:14 <sup>AXM.</sup> P.M. Maximum Temperature 122°  
Initial Hydrostatic Pressure ..... (A) 2167 P.S.I.  
Initial Flow Period ..... Minutes 30 (B) 6 P.S.I. to (C) 16 P.S.I.  
Initial Closed In Period ..... Minutes 75 (D) 1323 P.S.I.  
Final Flow Period ..... Minutes 60 (E) 17 P.S.I. to (F) 31 P.S.I.  
Final Closed In Period ..... Minutes 90 (G) 1202 P.S.I.  
Final Hydrostatic Pressure ..... (H) 2167 P.S.I.

# Diamond Testing

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## General information Report

### General Information

Company Name MID-CONTINENT OPERATION CO.

Contact	RICHARD SAENZ	Job Number	
Well Name	YARGER #1-11	Representative	ROGER D. FRIEDLY
Unique Well ID	DST #3 LANSING 'J' 4,545' - 4,574'	Well Operator	MID-CONTINENT OPERATING CO.
Surface Location	SEC 11-7S-39W SHERMAN COUNTY, KANSAS	Report Date	2010/05/20
Well License Number		Prepared By	ROGER D. FRIEDLY
Field	WILDCAT		
Well Type	Vertical		

Test Type	CONVENTIONAL	Start Test Time	10:45:00
Formation	DST #3 LANSING 'J' 4,545' - 4,574'	Final Test Time	19:53:00
Well Fluid Type	01 Oil		
Start Test Date	2010/05/20		
Final Test Date	2010/05/20		
Gauge Name	1150		
Gauge Serial Number			

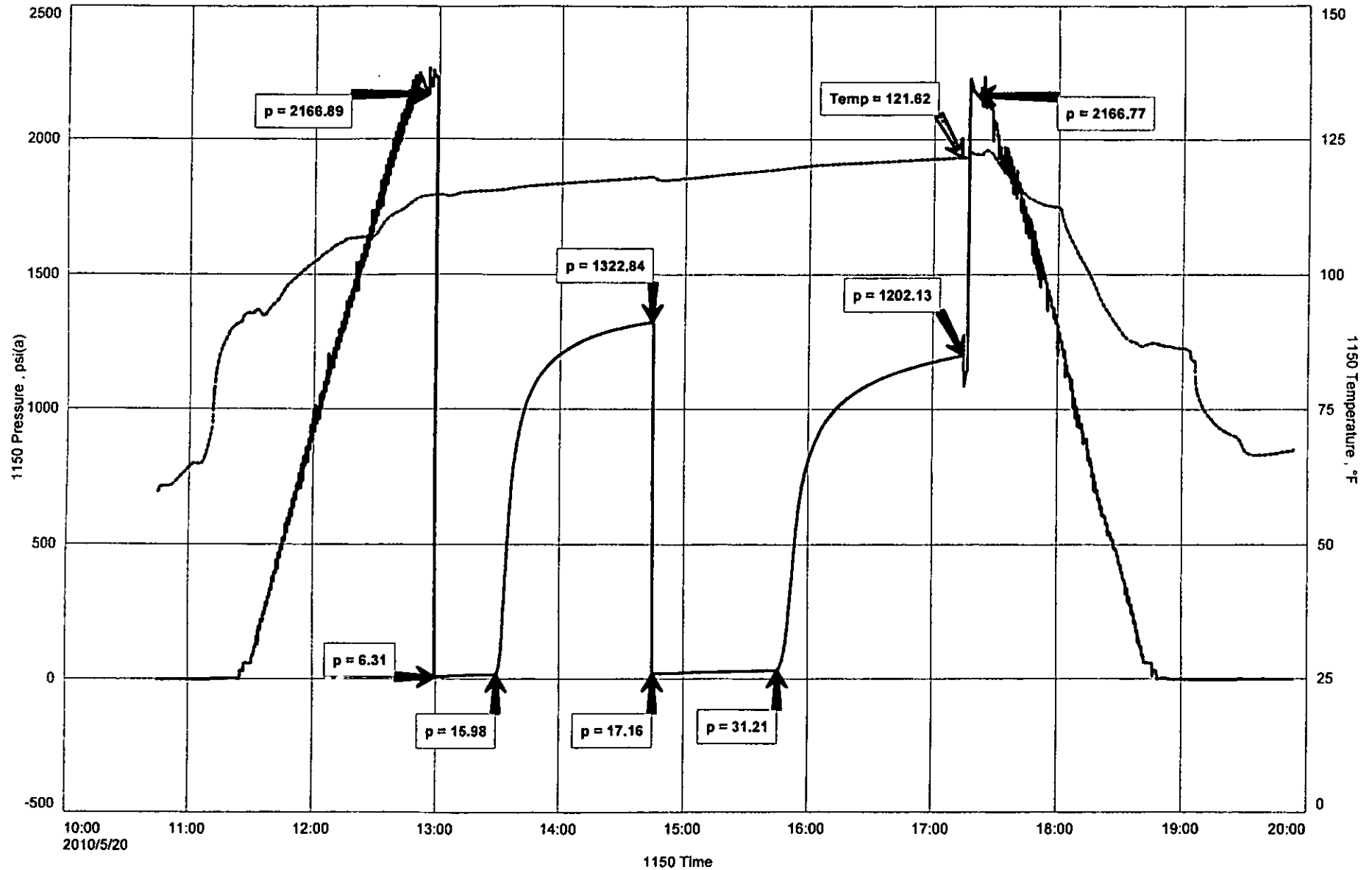
### Test Results

RECOVERED: 40' SLTOCM 1% OIL, 99% MUD

TOOL SAMPLE: 1% OIL, 99% MUD

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