

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

WELL COMPLETION FORM  
WELL HISTORY - DESCRIPTION OF WELL & LEASE

8/3/12

OPERATOR: License # 31783

Name: Mid-Continent Energy Operating Company

Address 1: 100 W. 5th Street

Address 2: Suite 450

City: Tulsa State: OK Zip: 74103 + 4254

Contact Person: G. M. Canaday

Phone: (918) 587-6363

CONTRACTOR: License # 5822

Name: Val Energy, Inc.

Wellsite Geologist: Kevin Kessler

Purchaser:

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      ~~08/03/10~~ 5/24/10

Spud Date or      Date Reached TD      Completion Date or

Recompletion Date      Recompletion Date

API No. 15 - 101-22235-00-00

Spot Description: SE NW NW SE

SE NW NW SE Sec. 19 Twp. 18 S. R. 28  East  West

2,124 Feet from  North /  South Line of Section

2/21 2221 Feet from  East /  West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE  NW  SE  SW

County: LANE

Lease Name: EITEL Well #: 1-19

Field Name:

Producing Formation:

Elevation: Ground: 2756 Kelly Bushing: 2761

Total Depth: 4700 Plug Back Total Depth:

Amount of Surface Pipe Set and Cemented at: 300 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: 3000 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: *[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 *[Signature]* Date: 8/18/10

PA

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AUG 03 2010  
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Operator Name: Mid-Continent Energy Operating Company Lease Name: EITEL Well #: 1-19  
 Sec. 19 Twp. 18 S. R. 28  East  West County: LANE

**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 type="checkbox"/> Yes <input checked="" type="checkbox"/> No <i>(If no, Submit Copy)</i>  List All E. Logs Run: <b>Sonic, CDN PE, Micro, DI, Frac Finder, Geo</b>	<input checked="" type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample  <table style="width:100%; border-collapse: collapse;"> <tr> <td style="width:60%;">Name</td> <td style="width:20%;">Top</td> <td style="width:20%;">Datum</td> </tr> <tr> <td>Anhydrite</td> <td>2138</td> <td>623</td> </tr> <tr> <td>Heebner</td> <td>3944</td> <td>-1183</td> </tr> <tr> <td>Lansing</td> <td>3981</td> <td>-1220</td> </tr> <tr> <td>Stark</td> <td>4264</td> <td>-1503</td> </tr> <tr> <td>Labette</td> <td>4500</td> <td>-1739</td> </tr> <tr> <td>Mississippi</td> <td>4614</td> <td>-1853</td> </tr> </table>	Name	Top	Datum	Anhydrite	2138	623	Heebner	3944	-1183	Lansing	3981	-1220	Stark	4264	-1503	Labette	4500	-1739	Mississippi	4614	-1853
Name	Top	Datum																				
Anhydrite	2138	623																				
Heebner	3944	-1183																				
Lansing	3981	-1220																				
Stark	4264	-1503																				
Labette	4500	-1739																				
Mississippi	4614	-1853																				

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	300'	60/40 poz	300	2% gel, 3% CC

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 (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 type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5) (Submit ACO-4)</i> <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: _____ _____
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# ALLIED CEMENTING CO., LLC. 039310

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

KCC  
AUG 03 2010

SERVICE POINT: Oakley

DATE <u>5-23-10</u>	SEC. <u>19</u>	TWP. <u>18</u>	RANGE <u>28</u>	WELL/VENTIL CALLED OUT	ON LOCATION	JOB START <u>11:00 PM</u>	JOB FINISH <u>12:30 AM</u>
LEASE <u>ETEL</u>		WELL # <u>1-19</u>		LOCATION <u>Dighton</u>		COUNTY <u>Lane</u>	STATE <u>KS</u>
OLD OR (NEW) (Circle one)							

CONTRACTOR Val Rig 4

TYPE OF JOB PTA

HOLE SIZE 7 7/8 T.D. 4700'

CASING SIZE \_\_\_\_\_ DEPTH \_\_\_\_\_

TUBING SIZE \_\_\_\_\_ DEPTH \_\_\_\_\_

DRILL PIPE 4 1/2 DEPTH 2190

TOOL \_\_\_\_\_ DEPTH \_\_\_\_\_

PRES. MAX \_\_\_\_\_ MINIMUM \_\_\_\_\_

MEAS. LINE \_\_\_\_\_ SHOE JOINT \_\_\_\_\_

CEMENT LEFT IN CSG. \_\_\_\_\_

PERFS. \_\_\_\_\_

DISPLACEMENT \_\_\_\_\_

OWNER same

CEMENT

AMOUNT ORDERED 300 SKS 60/40

4% gel 1/4" flo-seal

COMMON	@	<u>180 SKS</u>	@	<u>13.50</u>	<u>2430<sup>00</sup></u>
POZMIX	@	<u>120 SKS</u>	@	<u>7.55</u>	<u>906<sup>00</sup></u>
GEL	@	<u>10 SKS</u>	@	<u>20.25</u>	<u>202<sup>50</sup></u>
CHLORIDE	@		@		
ASC	@		@		
<u>Flo-seal 75 #6</u>	@		@	<u>2.45</u>	<u>183<sup>25</sup></u>
	@		@		
	@		@		
	@		@		
	@		@		
HANDLING	@	<u>3/3 SKS</u>	@	<u>2.25</u>	<u>704<sup>25</sup></u>
MILEAGE	@	<u>10 SK/mile</u>	@		<u>782<sup>50</sup></u>
TOTAL					<u>5209<sup>00</sup></u>

EQUIPMENT

PUMP TRUCK CEMENTER Andrew

# 423-281 HELPER Larene

BULK TRUCK

# 394 DRIVER WIL

BULK TRUCK

# \_\_\_\_\_ DRIVER \_\_\_\_\_

REMARKS:

RECEIVED

50 SKS @ 2190'

80 SKS @ 1350'

50 SKS @ 460'

50 SKS @ 330'

20 SKS @ 60'

20 SKS mouse hole

30 SKS Rat hole

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Thank you

CHARGE TO: Mid Continent Energy

STREET \_\_\_\_\_

CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

SERVICE

DEPTH OF JOB 2190'

PUMP TRUCK CHARGE \_\_\_\_\_ 990<sup>00</sup>

EXTRA FOOTAGE \_\_\_\_\_ @ \_\_\_\_\_

MILEAGE 25 MI @ 7<sup>00</sup> 175<sup>00</sup>

MANIFOLD \_\_\_\_\_ @ \_\_\_\_\_

\_\_\_\_\_ @ \_\_\_\_\_

\_\_\_\_\_ @ \_\_\_\_\_

TOTAL 1165<sup>00</sup>

PLUG & FLOAT EQUIPMENT

\_\_\_\_\_ @ \_\_\_\_\_

\_\_\_\_\_ @ \_\_\_\_\_

\_\_\_\_\_ @ \_\_\_\_\_

\_\_\_\_\_ @ \_\_\_\_\_

\_\_\_\_\_ @ \_\_\_\_\_

TOTAL \_\_\_\_\_

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 \_\_\_\_\_

SIGNATURE [Signature]

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

TOTAL CHARGES \_\_\_\_\_

DISCOUNT \_\_\_\_\_ IF PAID IN 30 DAYS



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# DIAMOND TESTING CONFIDENTIAL

P.O. Box 157  
HOISINGTON, KANSAS 67544  
(620) 653-7550 • (800) 542-7313  
STC 30037.D098

Company Mid-Continent Energy Operating Company Lease & Well No. Eitel No. 1-19

Elevation 2761 KB Formation Lansing 200' Zone Effective Pay -- Ft. Ticket No. R098

Date 5-17-10 Sec. 19 Twp. 18S Range 28W County Lane State Kansas

Test Approved By Kevin L. Kessler Diamond Representative Randy Williams

Formation Test No. 1 Interval Tested from 4,260 ft. to 4,300 ft. Total Depth 4,300 ft.

Packer Depth 4,255 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.

Packer Depth 4,260 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.

Depth of Selective Zone Set ft.

Top Recorder Depth (Inside) 4,243 ft. Recorder Number 30037 Cap. 5,000 psi

Bottom Recorder Depth (Outside) 4,297 ft. Recorder Number 13386 Cap. 3,875 psi

Below Straddle Recorder Depth ft. Recorder Number psi

Drilling Contractor Val Energy, Inc. - Rig 4 Drill Collar Length -- ft. I.D. -- in.

Mud Type Chemical Viscosity 51 Weight Pipe Length -- ft. I.D. -- in.

Weight 9.2 Water Loss 8.0 cc. Drill Pipe Length 4,229 ft. I.D. 3 1/2 in.

Chlorides 1,600 P.P.M. Test Tool Length 31 ft. Tool Size 3 1/2 - IF in.

Jars: Make Sterling Serial Number 1 Anchor Length 40 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: Fair blow, building. Off bottom of bucket in 8 mins. No blow back during shut-in.

2nd Open: Weak blow, building to 2 ins. in 60 mins. No blow back during shut-in.

Recovered 558 ft. of mud = 7.940340 bbls.

Recovered ft. of

Recovered ft. of

Recovered ft. of

Recovered ft. of

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Remarks Tool Sample Grind Out: 15%-water; 85%-mud (Chlorides: 82,000 Ppm)

Last Stand Grind Out: 10%-water; 90%-mud

Time Set Packer(s) 8:55 ~~AM~~ P.M. Time Started Off Bottom 1:10 A.M. P.M. Maximum Temperature 125°

Initial Hydrostatic Pressure (A) 2050 P.S.I.

Initial Flow Period Minutes 30 (B) 17 P.S.I. to (C) 224 P.S.I.

Initial Closed In Period Minutes 75 (D) 767 P.S.I.

Final Flow Period Minutes 60 (E) 237 P.S.I. to (F) 259 P.S.I.

Final Closed In Period Minutes 90 (G) 738 P.S.I.

Final Hydrostatic Pressure (H) 2031 P.S.I.

# DIAMOND TESTING

Page 2 of 2 Pages  
Drill Test Report

## General Information

Company Name MID-CONTINENT ENERGY OPERITING CO.

Contact GRANT CANADAY  
Well Name EITEL # 1-19  
Unique Well ID DST # 1 LSG 200' zn 4260-4300  
Surface Location SEC 19-18S-28W LANE COUNTY  
Field WILDCAT  
Well Type Vertical

Job Number RO98  
Representative RANDY WILLIAMS  
Well Operator MID-CONTINENT ENERGY OPERITING CO  
Report Date 2010/05/18  
Prepared By RANDY WILLIAMS

## Test Information

Test Type Drill Stem Test  
Formation DST # 1 LSG 200' zn 4260-4300  
Well Fluid Type  
Test Purpose (AEUB)

Start Test Time 16:55:00  
Final Test Time 03:46:00

Start Test Date 2010/05/17  
Final Test Date 2010/05/18

Gauge Name 30037  
Test Type Name

## Test Results

RECOVERED: 558' MUD

TOTAL FLUID: 558'

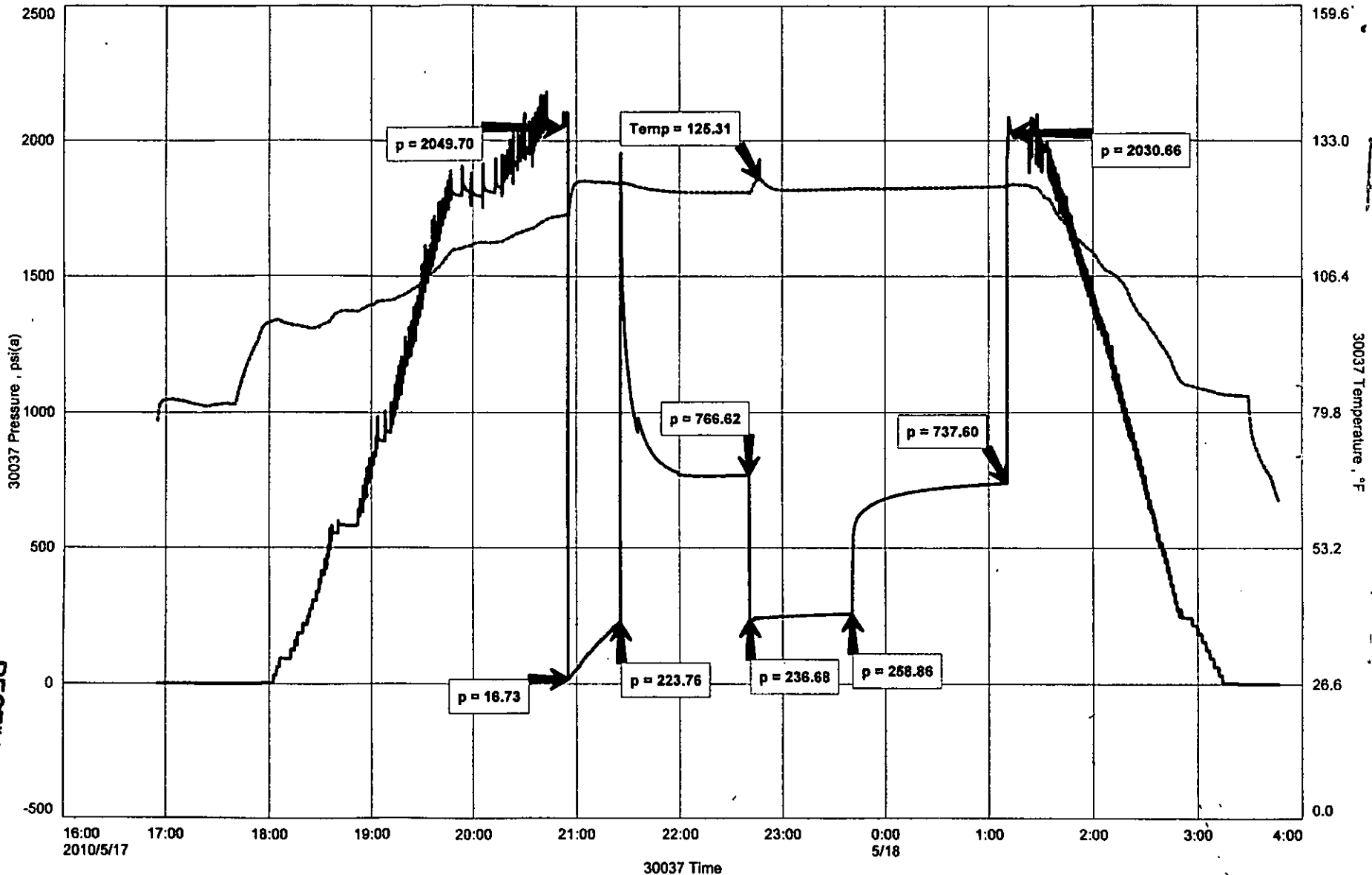
TOOL SAMPLE: WCM, 15% WATER, 85% MUD CHLORIDES- 82,000

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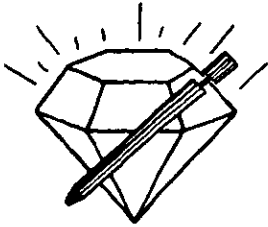
MID-CONTINENT ENERGY OPERATING CO.  
 DST # 1 LSG 200' zn 4260-4300  
 Start Test Date: 2010/05/17  
 Final Test Date: 2010/05/18

EITEL # 1-19  
 Formation: DST # 1 LSG 200' zn 4260-4300  
 Pool: WILDCAT  
 Job Number: R098

# EITEL # 1-19



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# DIAMOND TESTING

P.O. Box 157  
HOISINGTON, KANSAS 67544  
(620) 653-7550 • (800) 542-7313  
STC 30037.D099

Company Mid-Continent Energy Operating Company Lease & Well No. Eitel No. 1-19

Elevation 2761 KB Formation Lansing 220' Zone Effective Pay      Ft. Ticket No. R099

Date 5-18-10 Sec. 19 Twp. 18S Range 28W County      Lane      State Kansas

Test Approved By Kevin L. Kessler Diamond Representative Randy Williams

Formation Test No. 2 Interval Tested from 4,290 ft. to 4,350 ft. Total Depth 4,350 ft.

Packer Depth 4,285 ft. Size 6 3/4 in. Packer Depth      ft. Size      in.

Packer Depth 4,290 ft. Size 6 3/4 in. Packer Depth      ft. Size      in.

Depth of Selective Zone Set      ft.

Top Recorder Depth (Inside) 4,273 ft. Recorder Number 30037 Cap. 5,000 psi

Bottom Recorder Depth (Outside) 4,347 ft. Recorder Number 13386 Cap. 3,875 psi

Below Straddle Recorder Depth      ft. Recorder Number      Cap.      psi

Drilling Contractor Val Energy, Inc. - Rig 4 Drill Collar Length      ft. I.D.      in.

Mud Type Chemical Viscosity 62 Weight Pipe Length      ft. I.D.      in.

Weight 9.3 Water Loss 8.0 cc. Drill Pipe Length 4,259 ft. I.D. 3 1/2 in.

Chlorides 2,300 P.P.M. Test Tool Length 31 ft. Tool Size 3 1/2 - IF in.

Jars: Make Sterling Serial Number 1 Anchor Length 29' perf. w/ 31' 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 7/8 in. Tool Joint Size 4 1/2 - XH in.

Blow: 1st Open: Strong blow, building. Off bottom of bucket in 3 1/2 mins. Mud going down hole. MISRUN!

2nd Open: N/A

Recovered 310 ft. of mud = 4.411300 bbls.

Recovered      ft. of     

Recovered      ft. of     

Recovered      ft. of     

Recovered      ft. of     

Remarks Tool Sample Grind Out: Mud

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Time Set Packer(s) 7:00 AM P.M. Time Started Off Bottom 7:12 AM P.M. Maximum Temperature     

Initial Hydrostatic Pressure      (A) 2041 P.S.I.

Initial Flow Period      Minutes 12 (B) 43 P.S.I. to (C) 175 P.S.I.

Initial Closed In Period      Minutes 0 (D)      P.S.I.

Final Flow Period      Minutes 0 (E)      P.S.I. to (F)      P.S.I.

Final Closed In Period      Minutes 0 (G)      P.S.I.

Final Hydrostatic Pressure      (H) 2039 P.S.I.



# DIAMOND TESTING

## General Information

Company Name MID-CONTINENT ENERGY OPERITING CO.

Contact GRANT CANADAY  
Well Name EITEL # 1-19  
Unique Well ID DST # 2 LSG 220' zn 4290-4350  
Surface Location SEC 19-18S-28W LANE COUNTY  
Field WILDCAT  
Well Type Vertical

Job Number RO99  
Representative RANDY WILLIAMS  
Well Operator MID-CONTINENT ENERGY OPERITING CO  
Report Date 2010/05/18  
Prepared By RANDY WILLIAMS

## Test Information

Test Type Drill Stem Test  
Formation DST # 2 LSG 220' zn 4290-4350  
Well Fluid Type  
Test Purpose (AEUB)

Start Test Time 16:20:00  
Final Test Time 22:12:00

Start Test Date 2010/05/18  
Final Test Date 2010/05/18

Gauge Name 30037  
Test Type Name

## Test Results

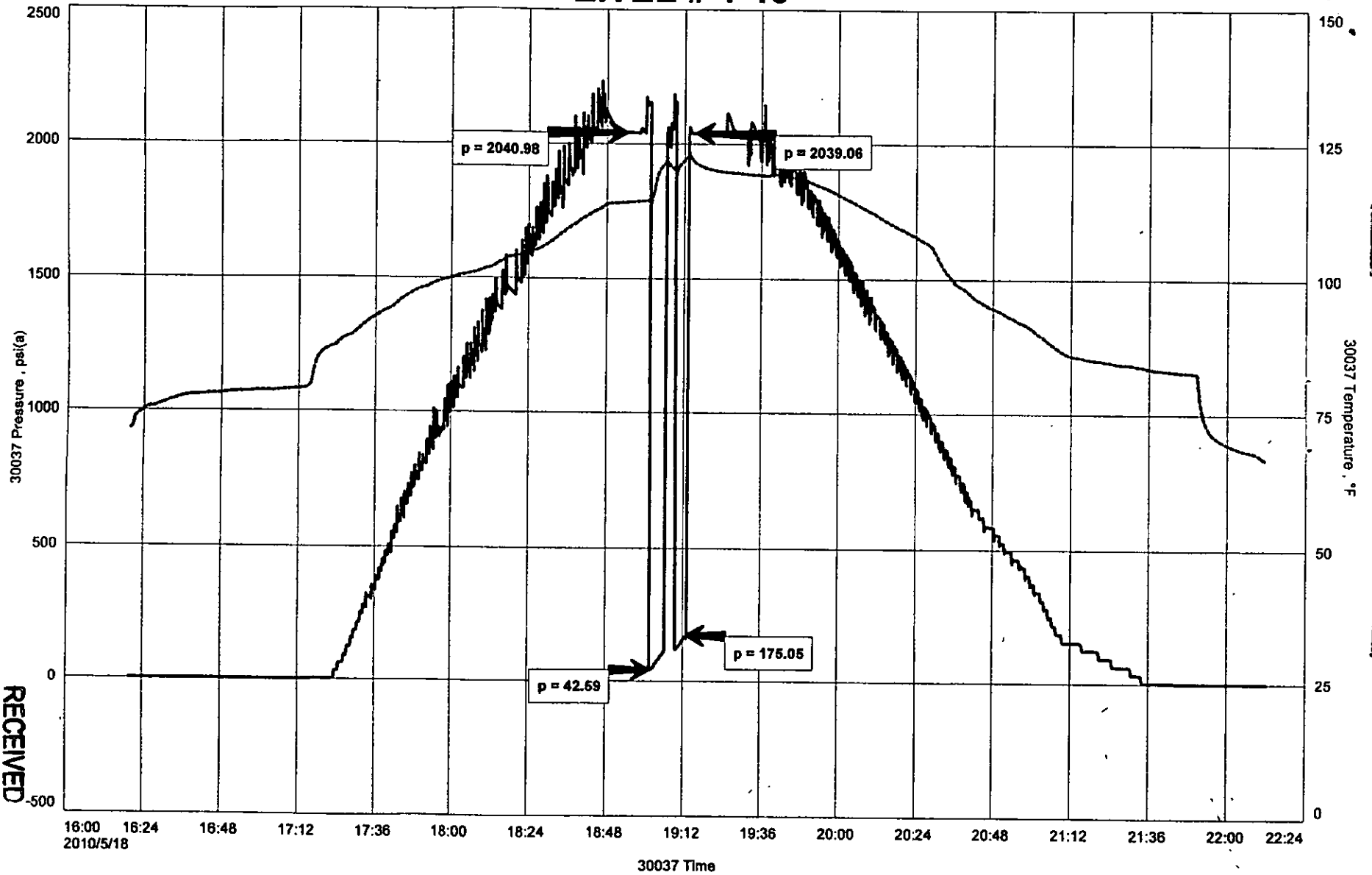
RECOVERED: 310' MUD

TOTAL FLUID: 310

TOOL SAMPLE: MUD

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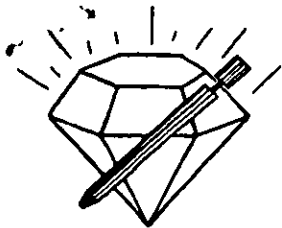
# EITEL # 1-19



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# DIAMOND TESTING

P.O. Box 157  
HOISINGTON, KANSAS 67544  
(620) 653-7550 • (800) 542-7313  
STC 30037.D100

Company Mid-Continent Energy Operating Company Lease & Well No. Eitel No. 1-19  
Location 2761 KB Formation Lansing 220' Zone Effective Pay      Ft. Ticket No. R100  
Date 5-19-10 Sec. 19 Twp. 18S Range 28W County      Lane      State Kansas

Test Approved By Kevin L. Kessler Diamond Representative Randy Williams

Formation Test No. 3 Interval Tested from 4,295 ft. to 4,350 ft. Total Depth 4,350 ft.

Packer Depth 4,290 ft. Size 6 3/4 in. Packer Depth      ft. Size      in.

Packer Depth 4,295 ft. Size 6 3/4 in. Packer Depth      ft. Size      in.

Depth of Selective Zone Set      ft.

Recorder Depth (Inside) 4,278 ft. Recorder Number 30037 Cap. 5,000 psi

Bottom Recorder Depth (Outside) 4,347 ft. Recorder Number 13386 Cap. 3,875 psi

Flow Straddle Recorder Depth      ft. Recorder Number      Cap.      psi

Drilling Contractor Val Energy, Inc. - Rig 4 Drill Collar Length      ft. I.D.      in.

Fluid Type Chemical Viscosity 62 Weight Pipe Length      ft. I.D.      in.

Weight 9.3 Water Loss 8.0 cc. Drill Pipe Length 4,264 ft. I.D. 3 1/2 in.

Grades 2,300 P.P.M. Test Tool Length 31 ft. Tool Size 3 1/2 - IF in.

Anchor Length 24' perf. w/ 31' drill pipe Size 4 1/2 - FH in.

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.

1st Open: Mud loss down hole. MISRUN!

2nd Open: N/A

Recorded 90 ft. of mud = 1.280700 bbls.

Recorded      ft. of     

Recorded      ft. of     

Recorded      ft. of     

Recorded      ft. of     

Records Tool Sample Grind Out: Mud

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Set Packer(s) 12:46 A.M. Time Started Off Bottom 12:48 A.M. Maximum Temperature     

Hydrostatic Pressure      (A)      P.S.I.

Flow Period 2 Minutes (B)      P.S.I. to (C)      P.S.I.

Closed In Period 0 Minutes (D)      P.S.I.

Flow Period 0 Minutes (E)      P.S.I. to (F)      P.S.I.

Closed In Period 0 Minutes (G)      P.S.I.

Hydrostatic Pressure      (H)      P.S.I.

# DIAMOND TESTING

## General Information

Company Name MID-CONTINENT ENERGY OPERITING CO.

Contact GRANT CANADAY  
Well Name EITEL # 1-19  
Unique Well ID DST # 3 LSG 220' zn 4295-4350  
Surface Location SEC 19-18S-28W LANE COUNTY  
Field WILDCAT  
Well Type Vertical

Job Number R100  
Representative RANDY WILLIAMS  
Well Operator MID-CONTINENT ENERGY OPERITING CO  
Report Date 2010/05/19  
Prepared By RANDY WILLIAMS

## Test Information

Test Type Drill Stem Test  
Formation DST # 3 LSG 220' zn 4295-4350  
Well Fluid Type  
Test Purpose (AEUB)

Start Test Time 22:55:00  
Final Test Time 03:27:00

Start Test Date 2010/05/18  
Final Test Date 2010/05/19

Gauge Name 30037  
Test Type Name

## Test Results

RECOVERED: 90' MUD

TOTAL FLUID: 90'

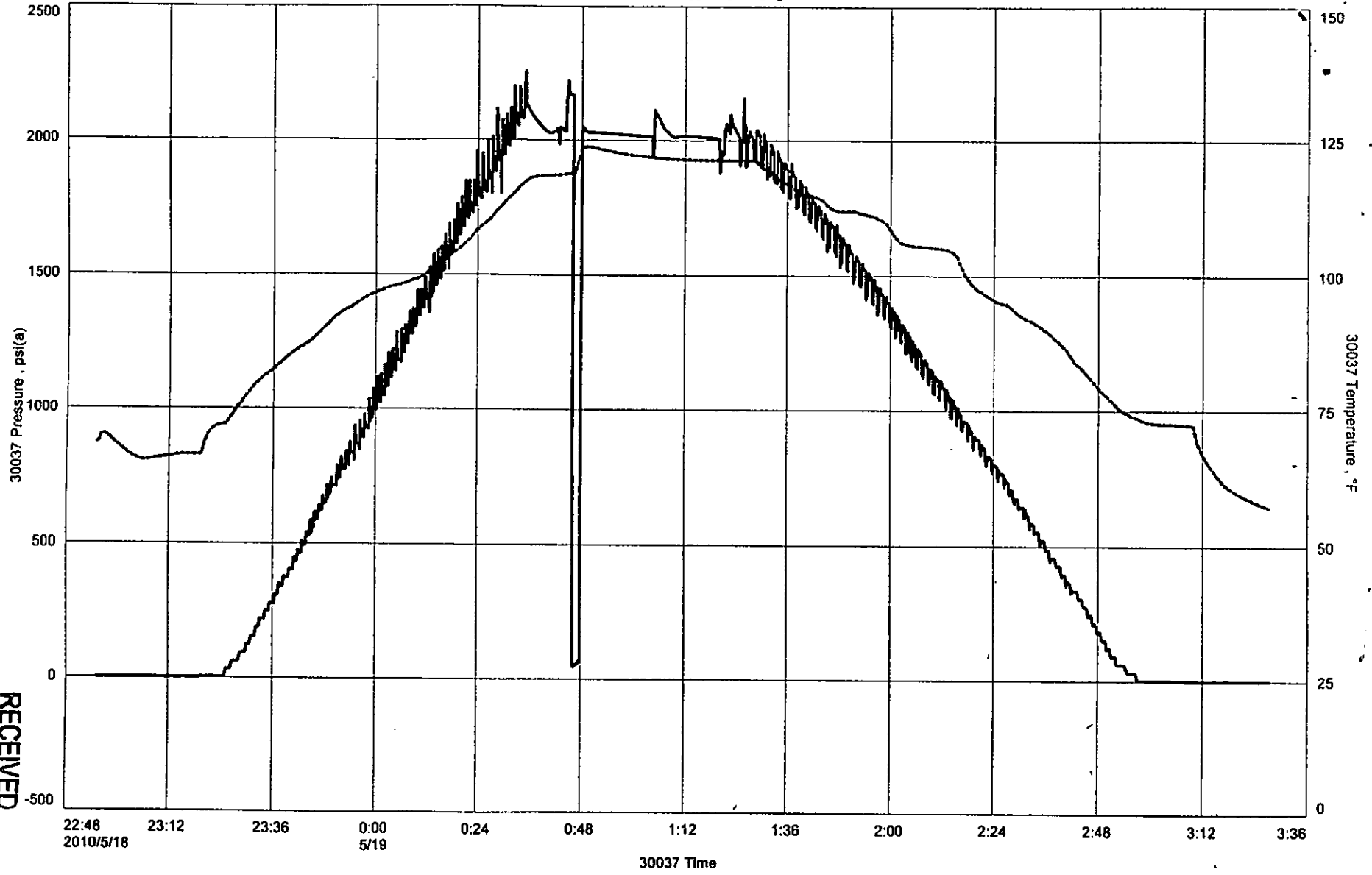
TOOL SAMPLE: MUD

RECEIVED  
AUG 05 2010  
KCC WICHITA

MID-CONTINENT ENERGY OPERATING CO.  
DST # 3 LSG 220' zn 4295-4350  
Start Test Date: 2010/05/18  
Final Test Date: 2010/05/19

EITEL # 1-19  
Formation: DST # 3 LSG 220' zn 4295-4350  
Pool: WILDCAT  
Job Number: R100

# EITEL # 1-19



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AUG 06 2010  
KCC WICHITA



**DIAMOND TESTING**  
P.O. Box 157  
**HOISINGTON, KANSAS 67544**  
(620) 653-7550 • (800) 542-7313  
STC 30037.D101

Company Mid-Continent Energy Operating Company Lease & Well No. Eitel No. 1-19

Elevation 2761 KB Formation Lansing 200' & 220' Zones Effective Pay -- Ft. Ticket No. R101

Date 5-19-10 Sec. 19 Twp. 18S Range 28W County Lane State Kansas

Test Approved By Kevin L. Kessler Diamond Representative Randy Williams

Formation Test No. 4 Interval Tested from 4,266 ft. to 4,350 ft. Total Depth 4,350 ft.

Packer Depth 4,261 ft. Size 63/4 in. Packer Depth -- ft. Size -- in.

Packer Depth 4,266 ft. Size 63/4 in. Packer Depth -- ft. Size -- in.

Depth of Selective Zone Set          ft.

Top Recorder Depth (Inside) 4,249 ft. Recorder Number 30037 Cap. 5,000 psi

Bottom Recorder Depth (Outside) 4,347 ft. Recorder Number 13386 Cap. 3,875 psi

Below Straddle Recorder Depth          ft. Recorder Number          Cap.          psi

Drilling Contractor Val Energy, Inc. - Rig 4 Drill Collar Length -- ft. I.D. -- in.

Mud Type Chemical Viscosity 40 Weight Pipe Length -- ft. I.D. -- in.

Weight 9.2 Water Loss 10.0 cc. Drill Pipe Length 4,234 ft. I.D. 3 1/2 in.

Chlorides 2,400 P.P.M. Test Tool Length 32 ft. Tool Size 3 1/2 - IF in.

Jars: Make Sterling Serial Number 1 Anchor Length 22' perf. w/ 62' 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: Mud loss down hole. MISRUN!  
2nd Open: N/A

Recovered 300 ft. of mud = 4.269000 bbls.

Recovered          ft. of         

Recovered          ft. of         

Recovered          ft. of         

Recovered          ft. of         

Remarks Tool Sample Grind Out: Mud

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Time Set Packer(s) 11:27 A.M. ~~P.M.~~ Time Started Off Bottom 11:37 A.M. ~~P.M.~~ Maximum Temperature --

Initial Hydrostatic Pressure          (A) -- P.S.I.

Initial Flow Period          Minutes 10 (B) -- P.S.I. to (C) -- P.S.I.

Initial Closed In Period          Minutes 0 (D) -- P.S.I.

Final Flow Period          Minutes 0 (E) -- P.S.I. to (F) -- P.S.I.

Final Closed In Period          Minutes 0 (G) -- P.S.I.

Final Hydrostatic Pressure          (H) -- P.S.I.

# DIAMOND TESTING

Page 2 of 2 Pages  
Drill Test Report

## General Information

Company Name MID-CONTINENT ENERGY OPERITING CO.

Contact GRANT CANADAY  
Well Name EITEL # 1-19  
Unique Well ID DST # 4 LSG 200' & 220' zn 4266-4350  
Surface Location SEC 19-18S-28W LANE COUNTY  
Field WILDCAT  
Well Type Vertical

Job Number R101  
Representative RANDY WILLIAMS  
Well Operator MID-CONTINENT ENERGY OPERITING CO  
Report Date 2010/05/19  
Prepared By RANDY WILLIAMS

## Test Information

Test Type Drill Stem Test  
Formation DST # 4 LSG 200' & 220' zn 4266-4350  
Well Fluid Type 01 Oil  
Test Purpose (AEUB) Initial Test

Start Test Time 09:32:00  
Final Test Time 14:41:00

Start Test Date 2010/05/19  
Final Test Date 2010/05/19

Gauge Name 30037  
Test Type Name

## Test Results

RECOVERED: 300' MUD

TOTAL FLUID: 300'

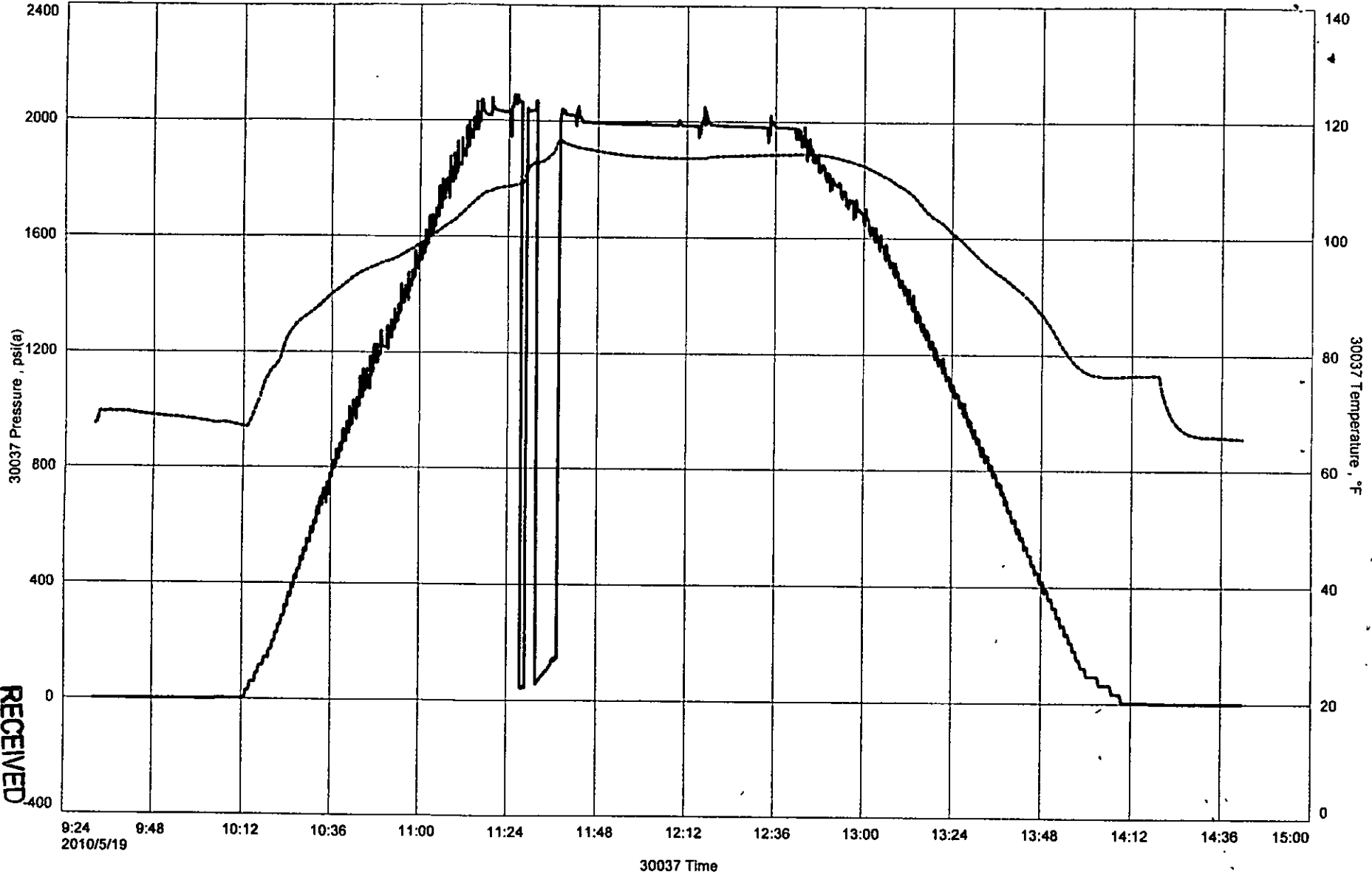
TOOL SAMPLE: MUD

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MID-CONTINENT ENERGY OPERATING CO.  
DST # 4 LSG 200' & 220' zn 4266-4350  
Start Test Date: 2010/05/19  
Final Test Date: 2010/05/19

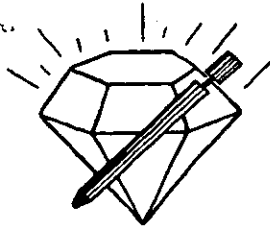
Formation: DST # 4 LSG 200' & 220' zn 4266-4350  
EITEL # 1-19  
Pool: WILDCAT  
Job Number: R101

# EITEL # 1-19



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# DIAMOND TESTING

P.O. Box 157  
HOISINGTON, KANSAS 67544  
(620) 653-7550 • (800) 542-7313  
STC 30037.D102

Company Mid-Continent Energy Operating Company Lease & Well No. Eitel No. 1-19  
Elevation 2761 KB Formation Pleasanton Effective Pay      Ft. Ticket No. R102  
Date 5-20-10 Sec. 19 Twp. 18S Range 28W County      Lane      State Kansas

Test Approved By Kevin L. Kessler Diamond Representative Randy Williams

Formation Test No. 5 Interval Tested from 4,330 ft. to 4,370 ft. Total Depth 4,370 ft.

Packer Depth 4,325 ft. Size 6 3/4 in. Packer Depth      ft. Size      in.

Packer Depth 4,330 ft. Size 6 3/4 in. Packer Depth      ft. Size      in.

Depth of Selective Zone Set      ft.

Top Recorder Depth (Inside) 4,313 ft. Recorder Number 30037 Cap. 5,000 psi

Bottom Recorder Depth (Outside) 4,367 ft. Recorder Number 13386 Cap. 3,875 psi

Below Straddle Recorder Depth      ft. Recorder Number      Cap.      psi

Drilling Contractor Val Energy, Inc. - Rig 4 Drill Collar Length      ft. I.D.      in.

Mud Type Chemical Viscosity 40 Weight Pipe Length      ft. I.D.      in.

Weight 9.2 Water Loss 10.0 cc. Drill Pipe Length 4,298 ft. I.D. 3 1/2 in.

Chlorides 2,400 P.P.M. Test Tool Length 32 ft. Tool Size 3 1/2 - IF in.

Jars: Make Sterling Serial Number 1 Anchor Length 40 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: Mud loss down hole. MISRUN! (New tools.)  
2nd Open: N/A

Recovered 90 ft. of mud = 1.280700 bbls.

Recovered      ft. of     

Recovered      ft. of     

Recovered      ft. of     

Recovered      ft. of     

Remarks Tool Sample Grind Out: Mud

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Time Set Packer(s) 3:10 ~~P.M.~~ <sup>A.M.</sup> Time Started Off Bottom 3:20 ~~P.M.~~ <sup>A.M.</sup> Maximum Temperature     

Initial Hydrostatic Pressure      (A)      P.S.I.

Initial Flow Period      Minutes 10 (B)      P.S.I. to (C)      P.S.I.

Initial Closed In Period      Minutes 0 (D)      P.S.I.

Final Flow Period      Minutes 0 (E)      P.S.I. to (F)      P.S.I.

Final Closed In Period      Minutes 0 (G)      P.S.I.

Final Hydrostatic Pressure      (H)      P.S.I.

# DIAMOND TESTING

## General Information

Company Name MID-CONTINENT ENERGY OPERITING CO.

Contact GRANT CANADAY  
Well Name EITEL # 1-19  
Unique Well ID DST # 5 PLEASTION 4330-4370  
Surface Location SEC 19-18S-28W LANE COUNTY  
Field WILDCAT  
Well Type Vertical

Job Number R102  
Representative RANDY WILLIAMS  
Well Operator MID-CONTINENT ENERGY OPERITING CO  
Report Date 2010/05/20  
Prepared By RANDY WILLIAMS

## Test Information

Test Type Drill Stem Test  
Formation DST # 5 PLEASTION 4330-4370  
Well Fluid Type 01 Oil  
Test Purpose (AEUB) Initial Test

Start Test Time 00:10:00  
Final Test Time 05:55:00

Start Test Date 2010/05/20  
Final Test Date 2010/05/20

Gauge Name 30037  
Test Type Name

## Test Results

RECOVERED: 90' MUD

TOTAL FLUID: 90'

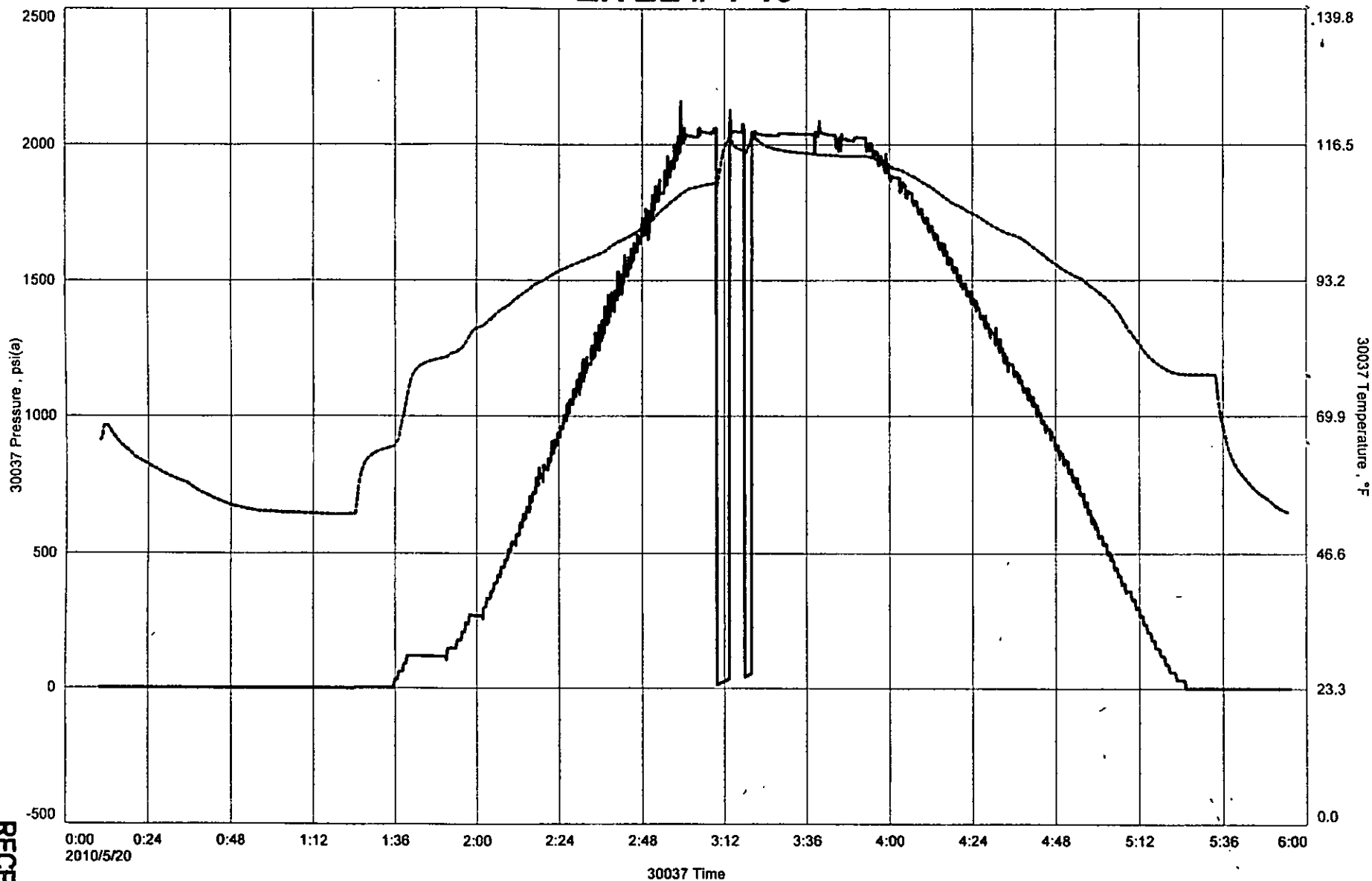
TOOL SAMPLE: MUD

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MID-CONTINENT ENERGY OPERATING CO.  
DST # 5 PLEASTION 4330-4370  
Start Test Date: 2010/05/20  
Final Test Date: 2010/05/20

EITEL # 1-19  
Formation: DST # 5 PLEASTION 4330-4370  
Pool: WILDCAT  
Job Number: R102

# EITEL # 1-19



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# DIAMOND TESTING

P.O. Box 157  
HOISINGTON, KANSAS 67544  
(620) 653-7550 • (800) 542-7313  
STC 30037.D103

Page 1 of 2 Pages

Company Mid-Continent Energy Operating Company Lease & Well No. Eitel No. 1-19

Location 2761 KB Formation Altamont Effective Pay --- ft. Ticket No. R103

Date 5-20-10 Sec. 19 Twp. 18S Range 28W County Lane State Kansas

Test Approved By Kevin L. Kessler Diamond Representative Randy Williams

Formation Test No. 6 Interval Tested from 4,380 ft. to 4,435 ft. Total Depth 4,435 ft.

Upper Packer Depth 4,375 ft. Size 6 3/4 in. Packer Depth --- ft. Size --- in.

Lower Packer Depth 4,380 ft. Size 6 3/4 in. Packer Depth --- ft. Size --- in.

Depth of Selective Zone Set --- ft.

Top Recorder Depth (Inside) 4,363 ft. Recorder Number 30037 Cap. 5,000 psi

Bottom Recorder Depth (Outside) 4,432 ft. Recorder Number 13386 Cap. 3,875 psi

Flow Straddle Recorder Depth --- ft. Recorder Number --- Cap. --- psi

Drilling Contractor Val Energy, Inc. - Rig 4 Drill Collar Length --- ft. I.D. --- in.

Fluid Type Chemical Viscosity 42 Weight Pipe Length --- ft. I.D. --- in.

Weight 9.0 Water Loss 9.6 cc. Drill Pipe Length 4,348 ft. I.D. 3 1/2 in.

Gravimetric Solids 2,800 P.P.M. Test Tool Length 32 ft. Tool Size 3 1/2 - IF in.

Tool Make Sterling Serial Number 1 Anchor Length 55 ft. Size 4 1/2 - FH in.

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.

Remarks: 1st Open: Mud loss down hole. MISRUN! (New tools.)

2nd Open: N/A

Shut in 50 ft. of mud = .711500 bbls.

Shut in --- ft. of ---

Shut in --- ft. of ---

Shut in --- ft. of ---

Shut in --- ft. of ---

Remarks Tool Sample Grind Out: Mud

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Time Set Packer(s) 10:56 XXX P.M. Time Started Off Bottom 11:02 XXX P.M. Maximum Temperature ---

Initial Hydrostatic Pressure (A) --- P.S.I.

Initial Flow Period (B) 6 Minutes (C) --- P.S.I. to (D) --- P.S.I.

Initial Closed In Period (E) 0 Minutes (F) --- P.S.I.

Flow Period (G) 0 Minutes (H) --- P.S.I. to (I) --- P.S.I.

Closed In Period (J) 0 Minutes (K) --- P.S.I.

Hydrostatic Pressure (L) --- P.S.I.

# DIAMOND TESTING

## General Information

Company Name MID-CONTINENT ENERGY OPERITING CO.

Contact GRANT CANADAY  
Well Name EITEL # 1-19  
Unique Well ID DST # 6 ALTZMONT 4380-4435  
Surface Location SEC 19-18S-28W LANE COUNTY  
Field WILDCAT  
Well Type Vertical

## Test Information

Test Type Drill Stem Test  
Formation DST # 6 ALTZMONT 4380-4435  
Well Fluid Type 01 Oil  
Test Purpose (AEUB) Initial Test

Job Number R103  
Representative RANDY WILLIAMS  
Well Operator MID-CONTINENT ENERGY OPERITING CO  
Report Date 2010/05/21  
Prepared By RANDY WILLIAMS

Start Test Date 2010/05/29  
Final Test Date 2010/05/21  
Start Test Time 19:45:00  
Final Test Time 01:39:00

Gauge Name 30037  
Test Type Name

## Test Results

RECOVERED: 50' MUD

TOTAL FLUID: 50'

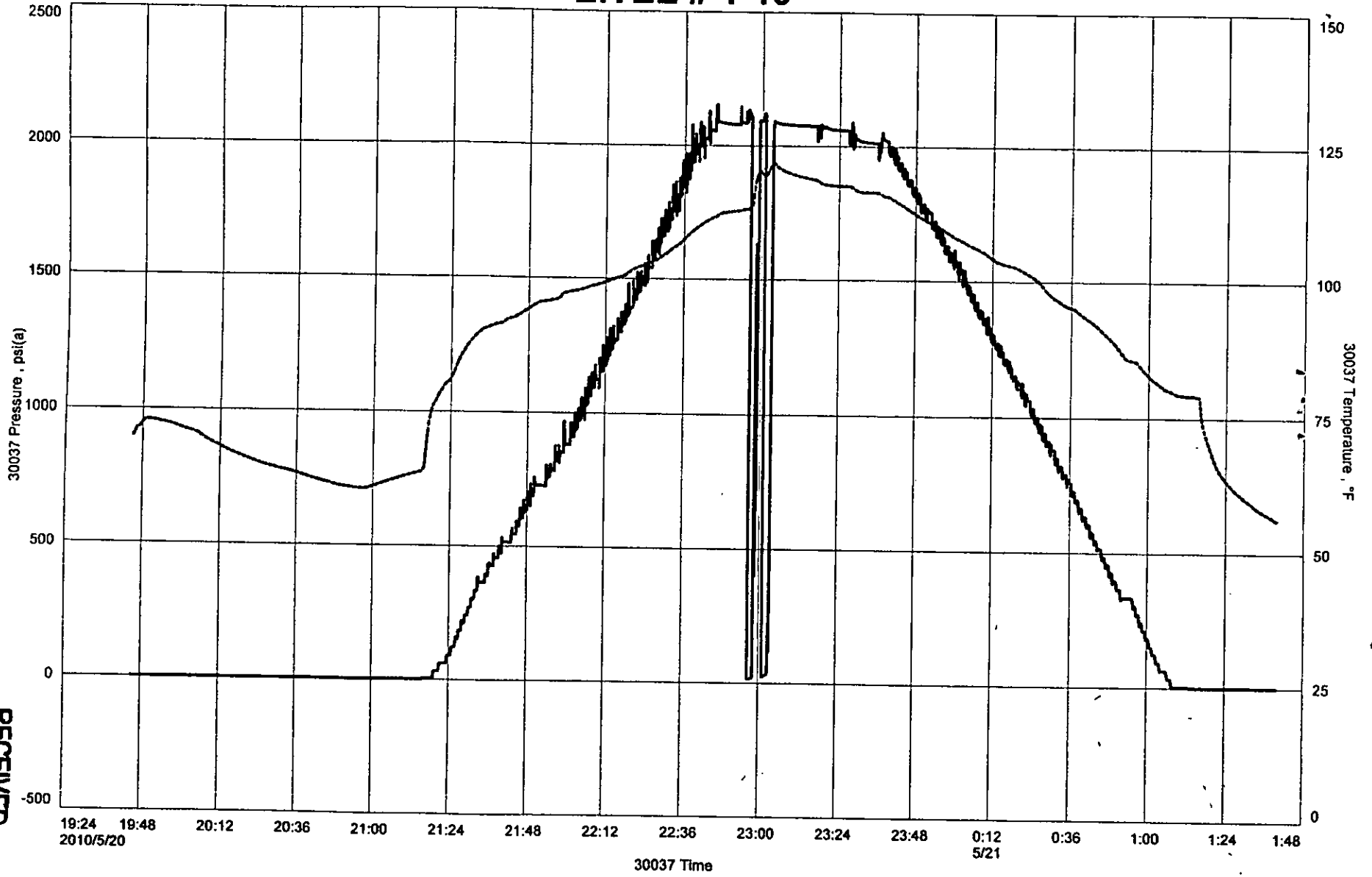
TOOL SAMPLE: MUD

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MID-CONTINENT ENERGY OPERATING CO.  
DST # 6 ALTZMONT 4380-4435  
Start Test Date: 2010/05/29  
Final Test Date: 2010/05/21

EITEL # 1-19  
Formation: DST # 6 ALTZMONT 4380-4435  
Pool: WILDCAT  
Job Number: R103

# EITEL # 1-19



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