



KANSAS CORPORATION COMMISSION 1055390
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 # 31783
Name: Mid-Continent Energy Operating Co.
Address 1: 100 W 5TH ST STE 450
Address 2: _____
City: TULSA State: OK Zip: 74103 + 4254
Contact Person: G. M. Canaday
Phone: (918) 587-6363
CONTRACTOR: License # 33575
Name: WW Drilling, LLC
Wellsite Geologist: Larry Nicholson
Purchaser: None

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 #: _____
01/14/2011 01/24/2011 01/25/2011
Spud Date or Date Reached TD Completion Date or
Recompletion Date Recompletion Date

API No. 15 - 15-023-21293-00-00
Spot Description: _____
NW NW SE SE Sec. 34 Twp. 2 S. R. 41 East West
1,015 Feet from North / South Line of Section
1,020 Feet from East / West Line of Section
Footages Calculated from Nearest Outside Section Corner:
 NE NW SE SW
County: Cheyenne
Lease Name: Zweygardt Well #: 1-34
Field Name: Wildcat
Producing Formation: None
Elevation: Ground: 3599 Kelly Bushing: 3604
Total Depth: 5330 Plug Back Total Depth: _____
Amount of Surface Pipe Set and Cemented at: 304 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: 1000 ppm Fluid volume: 800 bbls
Dewatering method used: Evaporated
Location of fluid disposal if hauled offsite: _____
Operator Name: _____
Lease Name: _____ License #: _____
Quarter _____ Sec. _____ Twp. _____ S. R. _____ East West
County: _____ Permit #: _____

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: 05/18/2011
 Confidential Release Date: _____
 Wireline Log Received
 Geologist Report Received
 UIC Distribution
ALT I II III Approved by: Deanna Garrison Date: 05/18/2011



1055390

Operator Name: Mid-Continent Energy Operating Co. Lease Name: Zweygardt Well #: 1-34
 Sec. 34 Twp. 2 S. R. 41 East West County: Cheyenne

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:

DIL
DCP
Micro

Log Formation (Top), Depth and Datum Sample

Name	Top	Datum
Topeka	4278	-674
Oread	4394	-790
Ft Scott	4890	-1286
Morrow	5252	-1548
Mississippi	5250	-1646

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	23	304	Common	185	3% cc & 2% gel

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

TUBING RECORD: Size: _____ Set At: _____ Packer At: _____ Liner Run: Yes No

Date of First, Resumed Production, SWD or ENHR. _____ Producing Method: Flowing Pumping Gas Lift Other (Explain) _____

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

DISPOSITION OF GAS:	METHOD OF COMPLETION:	PRODUCTION INTERVAL:
<input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease (If vented, Submit ACO-18.)	<input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled (Submit ACO-5) <input type="checkbox"/> Other (Specify) _____ (Submit ACO-4)	_____ _____

Conservation Division
Finney State Office Building
130 S. Market, Rm. 2078
Wichita, KS 67202-3802



phone: 316-337-6200
fax: 316-337-6211
<http://kcc.ks.gov/>

Thomas E. Wright, Chairman
Ward Loyd, Commissioner

Corporation Commission

Sam Brownback, Governor

May 18, 2011

G. M. Canaday
Mid-Continent Energy Operating Co.
100 W 5TH ST STE 450
TULSA, OK 74103-4254

Re: ACO-1
API 15-023-21293-00-00
Zweygardt 1-34
SE/4 Sec.34-02S-41W
Cheyenne County, Kansas

Dear G. M. Canaday:

K.A.R. 82-3-107 provides for all completion information to be filed within 120 days of the spud date. Subsection(e)(2) of that regulation states "All rights to confidentiality shall be lost if the filings are not timely."

The above referenced well was spudded on 01/14/2011 and the ACO-1 was received on May 18, 2011 (not within the 120 days timely requirement).

Therefore, your request for confidential treatment of data contained within the ACO-1 filing cannot be granted at this time.

If you should have any questions, please do not hesitate to contact me at (316)337-6200.

Sincerely,

Production Department

Conservation Division
Finney State Office Building
130 S. Market, Rm. 2078
Wichita, KS 67202-3802



phone: 316-337-6200
fax: 316-337-6211
<http://kcc.ks.gov/>

Thomas E. Wright, Chairman
Ward Loyd, Commissioner

Corporation Commission

Sam Brownback, Governor

May 18, 2011

G. M. Canaday
Mid-Continent Energy Operating Co.
100 W 5TH ST STE 450
TULSA, OK 74103-4254

Re: ACO1
API 15-023-21293-00-00
Zweygardt 1-34
SE/4 Sec.34-02S-41W
Cheyenne County, Kansas

Dear Production Department:

We are herewith requesting that the Well Completion Form ACO-1 and attached information for the subject well be held confidential for a period of two years.

Should you have any questions or need additional information regarding subject well, please contact our office.

Respectfully,
G. M. Canaday



PO BOX 31 Russell, KS 67665

RECEIVED

JAN 24 2011

INVOICE

Invoice Number: 125907

Invoice Date: Jan 14, 2011

Page: 1

Voice: (785) 483-3887
 Fax: (785) 483-5566

Bill to:
 Mid-Continent Energy Operating Co.
 100 West 5th St. Suite 450
 Tulsa, OK 74103

Customer ID	Well Name # or Customer P.O.	Payment Terms
MidCoEnOp	Zweygardt #1-34	Net 30 Days
Job Location	Camp Location	Service Date
KS1-01	Oakley	Jan 14, 2011
		Due Date
		2/13/11

Quantity	Item	Description	Unit Price	Amount
185.00	MAT	Class A Common	15.45	2,858.25
4.00	MAT	Gel	20.80	83.20
7.00	MAT	Chloride	58.20	407.40
196.00	SER	Handling	2.40	470.40
100.00	SER	Mileage 196 sx @ .10 per sk per mi	19.60	1,960.00
1.00	SER	Surface	1,018.00	1,018.00
100.00	SER	Pump Truck Mileage	7.00	700.00

ENTERED JAN 25 2011

1885

SCANNED
ATTACHED

CO.# AFE
 LSE # 150033
 ACCT # 1562-30
 APPROVED
 BCP ACP LOE

ALL PRICES ARE NET, PAYABLE 30 DAYS FOLLOWING DATE OF INVOICE. 1 1/2% CHARGED THEREAFTER. IF ACCOUNT IS CURRENT, TAKE DISCOUNT OF

1,499.45

ONLY IF PAID ON OR BEFORE Feb 8 2011

Subtotal	7,497.25
Sales Tax	277.95
Total Invoice Amount	7,775.20
Payment/Credit Applied	
TOTAL	7,775.20

1,499.45
 6,275.75
 CR 25307



PO BOX 31 Russell, KS 67665

RECEIVED

JAN 24 2011

INVOICE

Invoice Number: 125907

Invoice Date: Jan 14, 2011

Page: 1

Voice: (785) 483-3887
 Fax: (785) 483-5566

Bill To
 Mid-Continent Energy Operating Co.
 100 West 5th St. Suite 450
 Tulsa, OK 74103

Customer ID	Well Name # or Customer P.O.	Payment Terms
MidCoEnOp	Zweygardt #1-34	Net 30 Days
Job Location	Camp Location	Service Date
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		Due Date
		2/13/11

Quantity	Item	Description	Unit Price	Amount
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7.00	MAT	Chloride	58.20	407.40
196.00	SER	Handling	2.40	470.40
100.00	SER	Mileage 196 sx @ .10 per sk per mi	19.60	1,960.00
1.00	SER	Surface	1,018.00	1,018.00
100.00	SER	Pump Truck Mileage	7.00	700.00

ENTERED JAN 25 2011
 111
 1885

SCANNED
 ATTACHED

CO.# AFE
 LSE # 150033
 ACCT # 1562-30
 APPROVED
 BCP ACP LOE

ALL PRICES ARE NET, PAYABLE 30 DAYS FOLLOWING DATE OF INVOICE. 1 1/2% CHARGED THEREAFTER. IF ACCOUNT IS CURRENT, TAKE DISCOUNT OF

1/499.45

ONLY IF PAID ON OR BEFORE
 Feb 18 2011

Subtotal	7,497.25
Sales Tax	277.95
Total Invoice Amount	7,775.20
Payment/Credit Applied	
TOTAL	7,775.20

1,499.45
 6,275.75
 CR 25307

ALLIED CEMENTING CO., LLC. 040810

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

SERVICE POINT: On Hay

DATE <u>1-19-11</u>	SEC <u>34</u>	TWP <u>2</u>	RANGE <u>41</u>	CALLED OUT	ON LOCATION <u>3:45pm</u>	JOB START <u>7:00am</u>	JOB FINISH <u>7:30pm</u>
LEASE <u>Zweygandt</u>		WELL# <u>1-34</u>		LOCATION <u>St Francis w- Hwy 27</u>		COUNTY <u>Cherokee</u>	STATE <u>KS</u>
OLD OR <u>NEW</u> (Circle one)				4w- (check sign) <u>3 w/w</u> <i>follow curves</i>			

CONTRACTOR <u>W-W #2</u>		OWNER
TYPE OF JOB <u>Sur Face</u>		
HOLE SIZE <u>12 1/4</u>	ID <u>306</u>	CEMENT
CASING SIZE <u>8 5/8</u>	DEPTH <u>305</u>	AMOUNT ORDERED <u>185</u> <i>com 390cc</i>
TUBING SIZE	DEPTH	<u>2 7/8 gal</u>
DRILL PIPE	DEPTH	
TOOL	DEPTH	
PRES. MAX	MINIMUM	COMMON <u>185</u> @ <u>15</u> ⁴⁵ <u>2858</u> ²⁵
MEAS. LINE	SHOE JOINT	POZMIX @
CEMENT LEFT IN CSG: <u>15'</u>		GEL <u>4</u> @ <u>20</u> ⁸⁰ <u>83</u> ²⁰
PERFS.		CHLORIDE <u>7</u> @ <u>58</u> ²⁰ <u>407</u> ⁵⁰
DISPLACEMENT <u>18.4</u> <i>Bals</i>		ASC @

EQUIPMENT

PUMP TRUCK: CEMENTER <u>Fuzzy</u>	
# <u>431</u> HELPER <u>Darwin</u>	
BULK TRUCK	
# <u>394</u> DRIVER <u>Jerry</u>	
BULK TRUCK	
# DRIVER	

HANDLING <u>196</u>	@ <u>2</u> ⁴⁰ <u>470</u> ⁴⁰
MILEAGE <u>10</u> <i>x 34.4 m. l.e</i>	<u>1960</u> ⁸⁰
TOTAL <u>5779</u> ²⁵	

REMARKS:

cement did circulate

SERVICE

Job complete @ 7:30pm

Thanks Fuzzy & crew

DEPTH OF JOB <u>305</u>	
PUMP TRUCK CHARGE	<u>1018</u> ⁰⁰
EXTRA FOOTAGE @	
MILEAGE <u>100</u>	@ <u>7</u> ⁰⁰ <u>700</u> ⁰⁰
MANIFOLD @	
	@
	@

CHARGE TO: Mid Continent Energy Op.

TOTAL 1718 ⁰⁰

STREET _____

CITY _____ STATE _____ ZIP _____

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.

SALES TAX (If Any) _____

TOTAL CHARGES _____

PRINTED NAME Lannie Lamp

DISCOUNT _____ IF PAID IN 30 DAYS

SIGNATURE Lannie Lamp

GENERAL INFORMATION

Client Information:

Company: MID CONTINENT ENERGY EXPL

Contact: RICHARD SAENZ

Phone: Fax: e-mail:

Site Information:

Contact: LARRY NICHOLSON

Phone: Fax: e-mail:

Well Information:

Name: ZWELGARDT 1-34

Operator: MID CONTINENT ENERGY EXPL

Location-Downhole:

Location-Surface: S34/2S/41W

Test Information:

Company: DIAMOND TESTING

Representative: JOHN RIEDL

Supervisor: LARRY NICHOLSON

Test Type: CONVENTIONAL Job Number: D894

Test Unit:

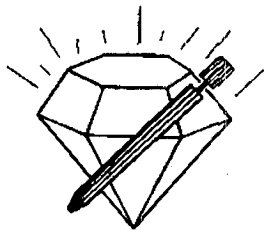
Start Date: 2011/01/20 Start Time: 08:15:00

End Date: 2011/01/20 End Time: 16:40:00

Report Date: 2011/01/20 Prepared By: JOHN RIEDL

Remarks: Qualified By: LARRY NICHOLSON

RECOVERY: 270' DRILLING MUD WITH SOME SPECKED IN TOP JOINT



DIAMOND TESTING

P.O. Box 157

HOISINGTON, KANSAS 67544
(620) 653-7550 • (800) 542-7313

ON 8:15 01/20/11

OFF 16:40 0120/11

DRILL-STEM TEST TICKET

STC/ZWeygardt1-34dst1

Company MID CONTINENT ENERGY OPER. Lease & Well No. ZWEYGARDT 1-34
 Contractor WW DRILLING RIG 2 Charge to MID CONTINENT ENERGY OPER.
 Elevation 3604 K.B Formation LKC "B" Effective Pay _____ Ft. Ticket No. D894
 Date 1/20/11 Sec. 34 Twp. 2 S Range 41 W County CHEYENNE State KANSAS
 Test Approved By LARRY NICHOLSON Diamond Representative JOHN C. RIEDL

Formation Test No. 1 Interval Tested from 4484 ft. to 4546 ft. Total Depth 4546 ft.
 Packer Depth 4479 ft. Size 6 3/4 in. Packer Depth _____ ft. Size _____ in.
 Packer Depth 4484 ft. Size 6 3/4 in. Packer Depth _____ ft. Size _____ in.
 Depth of Selective Zone Set _____

Top Recorder Depth (Inside) _____ ft. Recorder Number 30046 Cap. 6,000 P.S.I.
 Bottom Recorder Depth (Outside) _____ ft. Recorder Number 11073 Cap. 4,000 P.S.I.
 Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.

Mud Type CHEMICAL Viscosity 54 Drill Collar Length 120 ft. I.D. 2 1/4 in.
 Weight 9 Water Loss 8 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.
 Chlorides 800 P.P.M. Drill Pipe Length 4334 ft. I.D. 3 1/2 in.
 Jars: Make BOWEN Serial Number #2 Test Tool Length 30 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: GOOD (BUILT THROUGHOUT TO 7") WEAK BB
 2nd Open: STRONG (B.O.B 50 MINUTES) WEAK BB

Recovered 270 ft. of DRILLING MUD WITH SOME OIL SPECKS IN TOP JOINT (100% MUD)
 Recovered _____ ft. of _____
 Recovered _____ ft. of _____

Recovered _____ ft. of _____	Price Job
Recovered _____ ft. of _____	Other Charges
Remarks: <u>TOTAL FLUID RECOVERY: 270' (150' IN DRILL PIPE, 120' IN DRILL COLLARS)</u>	Insurance
_____	Total

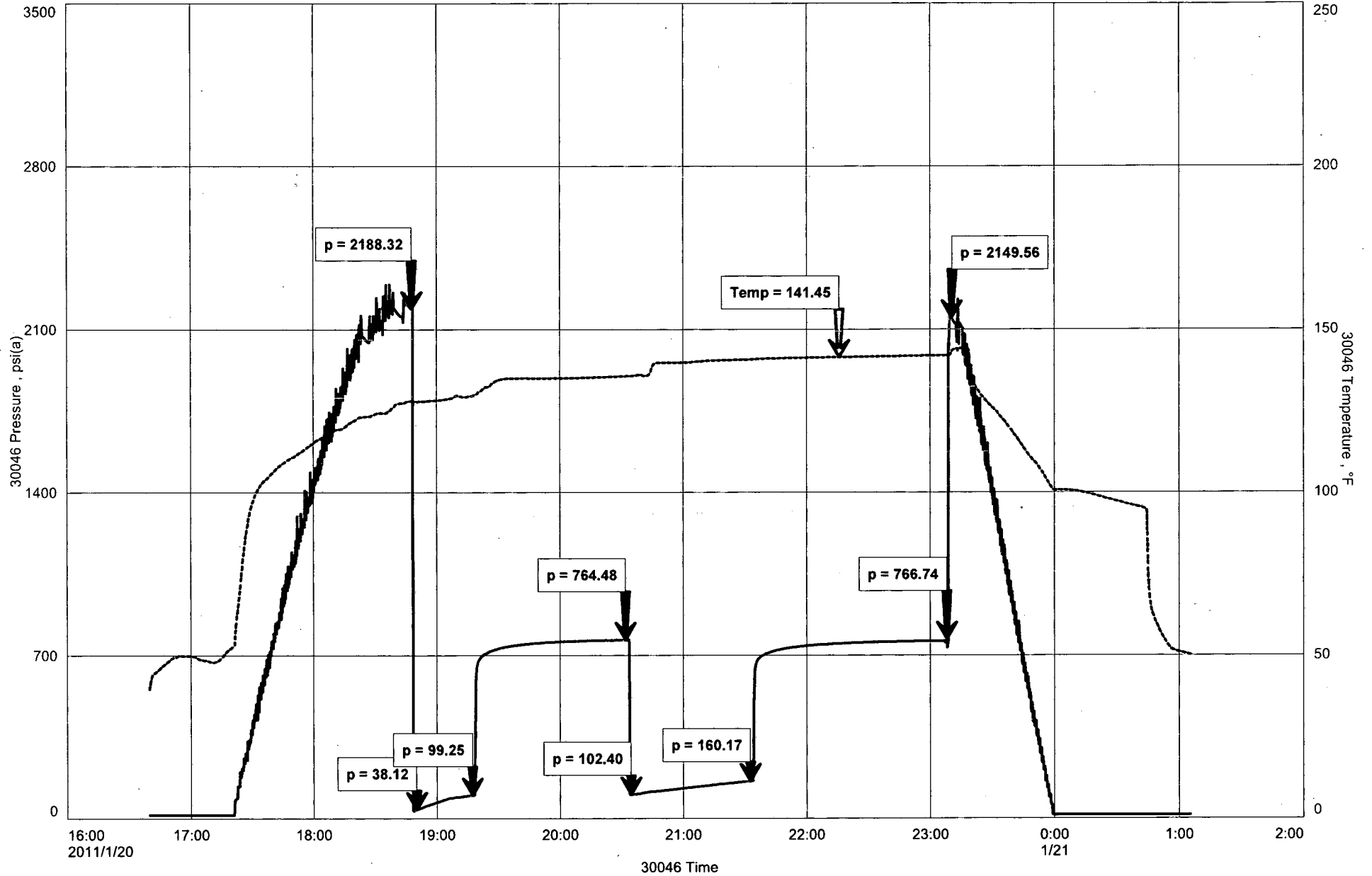
Time Set Packer(s) 10:25 A.M. A.M. P.M. Time Started Off Bottom 1:40 P.M. A.M. P.M. Maximum Temperature 141
 Initial Hydrostatic Pressure (A) 2188 P.S.I.
 Initial Flow Period Minutes 30 (B) 38 P.S.I. to (C) 99 P.S.I.
 Initial Closed In Period Minutes 75 (D) 764 P.S.I.
 Final Flow Period Minutes 60 (E) 102 P.S.I. to (F) 160 P.S.I.
 Final Closed In Period Minutes 90 (G) 767 P.S.I.
 Final Hydrostatic Pressure (H) 2150 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.

MID CONTINENT ENERGY EXPL
Start Test Date: 2011/01/20
Final Test Date: 2011/01/20

ZWELGARDT 1-34

ZWELGARDT 1-34
Formation: LKC "B"
Job Number: D894



GENERAL INFORMATION

Client Information:

Company: MID CONTINENT ENERGY EXPL

Contact: RICHARD SAENZ

Phone: Fax: e-mail:

Site Information:

Contact: LARRY NICHOLSON

Phone: Fax: e-mail:

Well Information:

Name: ZWEYGARDT 1-34

Operator: MID CONTINENT ENERGY EXPL

Location-Downhole:

Location-Surface: S34/2S/41W

Test Information:

Company: DIAMOND TESTING

Representative: JOHN RIEDL

Supervisor: LARRY NICHOLSON

Test Type: CONVENTIONAL Job Number: D895

Test Unit:

Start Date: 2011/01/21 Start Time: 08:00:00

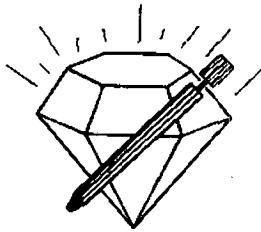
End Date: 2011/01/21 End Time: 14:20:00

Report Date: 2011/01/21 Prepared By: JOHN RIEDL

Qualified By: LARRY NICHOLSON

Remarks:

RECOVERY: 140' DRILLING MUD



DIAMOND TESTING

P.O. Box 157

HOISINGTON, KANSAS 67544
(620) 653-7550 • (800) 542-7313

ON 8:00 01/21/11

OFF 14:20 01/21/11

DRILL-STEM TEST TICKET

STC/ZWeygardt1-34dst2

Company MID CONTINENT ENERGY OPER. Lease & Well No. ZWEYGARDT 1-34
 Contractor WW DRILLING RIG 2 Charge to MID CONTINENT ENERGY OPER.
 Elevation 3604 K.B Formation LKC "J" Effective Pay _____ Ft. Ticket No. D895
 Date 1/21/11 Sec. 34 Twp. 2 S Range 41 W County CHEYENNE State KANSAS
 Test Approved By LARRY NICHOLSON Diamond Representative JOHN C. RIEDL

Formation Test No. 2 Interval Tested from 4636 ft. to 4684 ft. Total Depth 4684 ft.
 Packer Depth 4631 ft. Size 6 3/4 in. Packer Depth _____ ft. Size _____ in.
 Packer Depth 4636 ft. Size 6 3/4 in. Packer Depth _____ ft. Size _____ in.
 Depth of Selective Zone Set _____

Top Recorder Depth (Inside) _____ ft. Recorder Number 30046 Cap. 6,000 P.S.I.
 Bottom Recorder Depth (Outside) _____ ft. Recorder Number 11073 Cap. 4,000 P.S.I.
 Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.

Mud Type CHEMICAL Viscosity 64 Drill Collar Length 120 ft. I.D. 2 1/4 in.
 Weight 9.2 Water Loss 6 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.
 Chlorides 800 P.P.M. Drill Pipe Length 4486 ft. I.D. 3 1/2 in.
 Jars: Make BOWEN Serial Number #2 Test Tool Length 30 ft. Tool Size 3 1/2-IF in.
 Did Well Flow? NO Reversed Out NO Anchor Length 48 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: WEAK (3/4' DEC. + DEAD IN 20 MINUTES) NO BB
 2nd Open: VERY WEAK (WEAK SURGE + DEAD) NO BB

Recovered 140 ft. of DRILLING MUD (100% MUD)
 Recovered _____ ft. of _____
 Recovered _____ ft. of _____

Recovered _____ ft. of _____	Price Job
Recovered _____ ft. of _____	Other Charges
Remarks: <u>TOTAL FLUID RECOVERY: 140' (20' IN DRILL PIPE, 120' IN DRILL COLLARS)</u>	Insurance
	Total

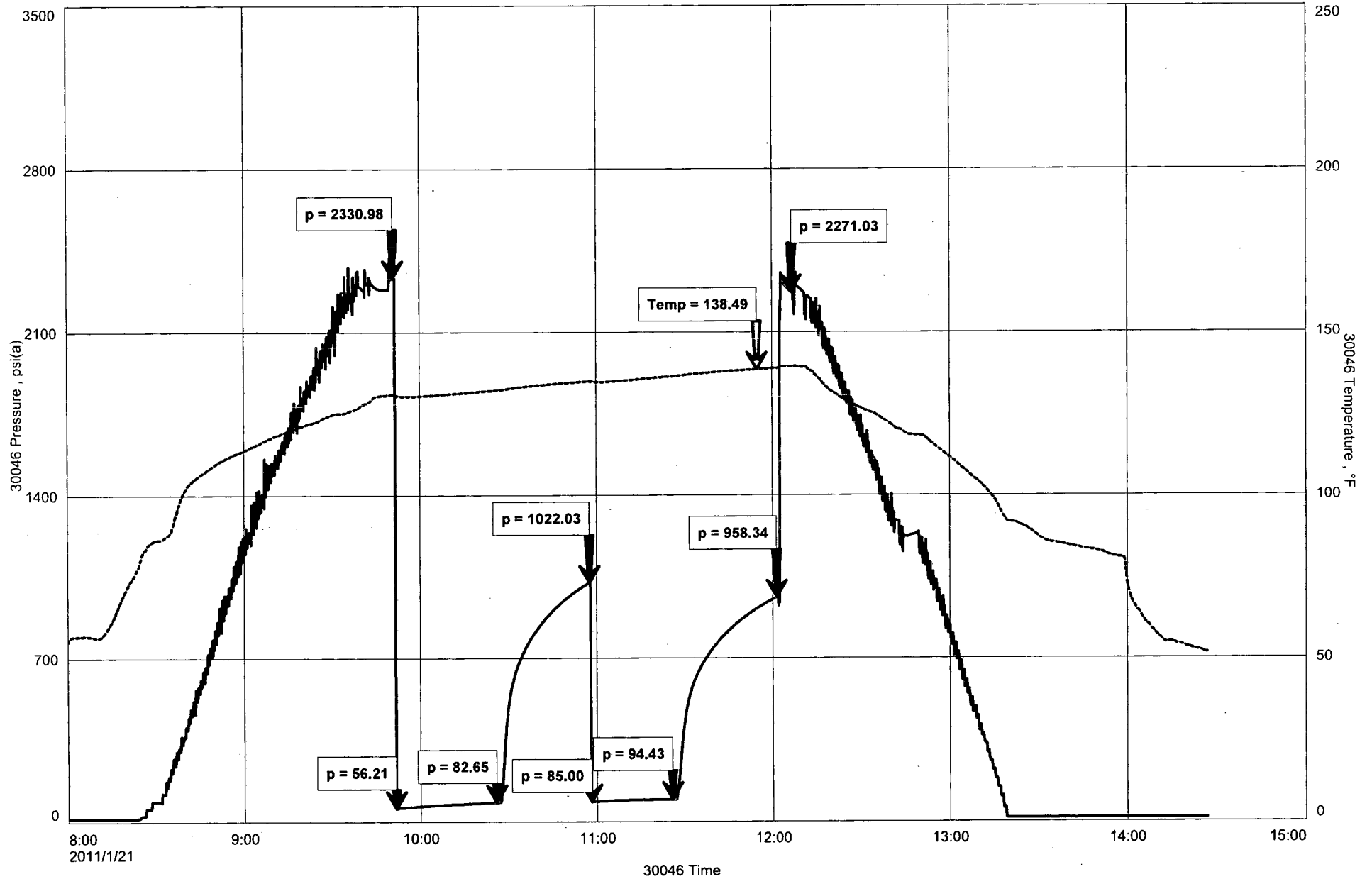
Time Set Packer(s) 9:50 A.M. A.M. P.M. Time Started Off Bottom 11:50 A.M. A.M. P.M. Maximum Temperature 138
 Initial Hydrostatic Pressure (A) 2231 P.S.I.
 Initial Flow Period Minutes 30 (B) 56 P.S.I. to (C) 83 P.S.I.
 Initial Closed In Period Minutes 30 (D) 1022 P.S.I.
 Final Flow Period Minutes 30 (E) 85 P.S.I. to (F) 94 P.S.I.
 Final Closed In Period Minutes 30 (G) 958 P.S.I.
 Final Hydrostatic Pressure (H) 2271 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.

MID CONTINENT ENERGY EXPL
Start Test Date: 2011/01/21
Final Test Date: 2011/01/21

ZWEYGARDT 1-34

ZWEYGARDT 1-34
Formation: LKC "J"
Job Number: D895



GENERAL INFORMATION

Client Information:

Company: MID CONTINENT ENERGY EXPL
Contact: RICHARD SAENZ
Phone: Fax: e-mail:

Site Information:

Contact: LARRY NICHOLSON
Phone: Fax: e-mail:

Well Information:

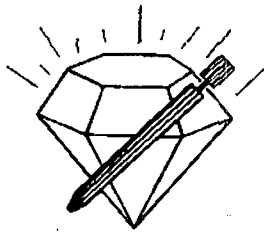
Name: ZWEYGARDT 1-34
Operator: MID CONTINENT ENERGY EXPL
Location-Downhole:
Location-Surface: S34/2S/41W

Test Information:

Company: DIAMOND TESTING
Representative: JOHN RIEDL
Supervisor: LARRY NICHOLSON
Test Type: CONVENTIONAL Job Number: D886
Test Unit:
Start Date: 2011/01/22 Start Time: 00:01:00
End Date: 2011/01/22 End Time: 09:00:00
Report Date: 2011/01/22 Prepared By: JOHN RIEDL
Qualified By: LARRY NICHOLSON

Remarks:

RECOVERY: 320' WATER CUT MUD



DIAMOND TESTING

P.O. Box 157

HOISINGTON, KANSAS 67544
(620) 653-7550 • (800) 542-7313

ON 00:01 01/22/11

OFF 09:00 01/22/11

DRILL-STEM TEST TICKET

STC/ZWeygardt1-34dst3

Company MID CONTINENT ENERGY OPER. Lease & Well No. ZWEYGARDT 1-34
 Contractor WW DRILLING RIG 2 Charge to MID CONTINENT ENERGY OPER.
 Elevation 3604 K.B Formation LKC "K" Effective Pay _____ Ft. Ticket No. D896
 Date 1/22/11 Sec. 34 Twp. 2 S Range 41 W County CHEYENNE State KANSAS
 Test Approved By LARRY NICHOLSON Diamond Representative JOHN C. RIEDL

Formation Test No. 3 Interval Tested from 4683 ft. to 4747 ft. Total Depth 4747 ft.
 Packer Depth 4678 ft. Size 6 3/4 in. Packer Depth _____ ft. Size _____ in.
 Packer Depth 4683 ft. Size 6 3/4 in. Packer Depth _____ ft. Size _____ in.
 Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 4686 ft. Recorder Number 30046 Cap. 6,000 P.S.I.
 Bottom Recorder Depth (Outside) 4744 ft. Recorder Number 11073 Cap. 4,000 P.S.I.
 Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.

Mud Type CHEMICAL Viscosity 56 Drill Collar Length 120 ft. I.D. 2 1/4 in.
 Weight 9.2 Water Loss 6.4 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.
 Chlorides 1,000 P.P.M. Drill Pipe Length 4583 ft. I.D. 3 1/2 in.
 Jars: Make BOWEN Serial Number #2 Test Tool Length 30 ft. Tool Size 3 1/2-IF in.
 Did Well Flow? NO Reversed Out NO Anchor Length 64 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: GOOD (BUILT THROUGHOUT TO 7") NO BB
 2nd Open: STRONG (BUILT THROUGHOUT TO 10") WEAK BB

Recovered 320 ft. of WCM (40%WATER 60%MUD) CHLORIDES 7,000Ppm, RES. 1.2 @ 50 DEGREES
 Recovered _____ ft. of _____
 Recovered _____ ft. of _____

Recovered _____ ft. of _____	Price Job
Recovered _____ ft. of _____	Other Charges
Remarks: <u>TOTAL FLUID RECOVERY: 320'(200' IN DRILL PIPE, 120' IN DRILL COLLARS)</u>	Insurance
	Total

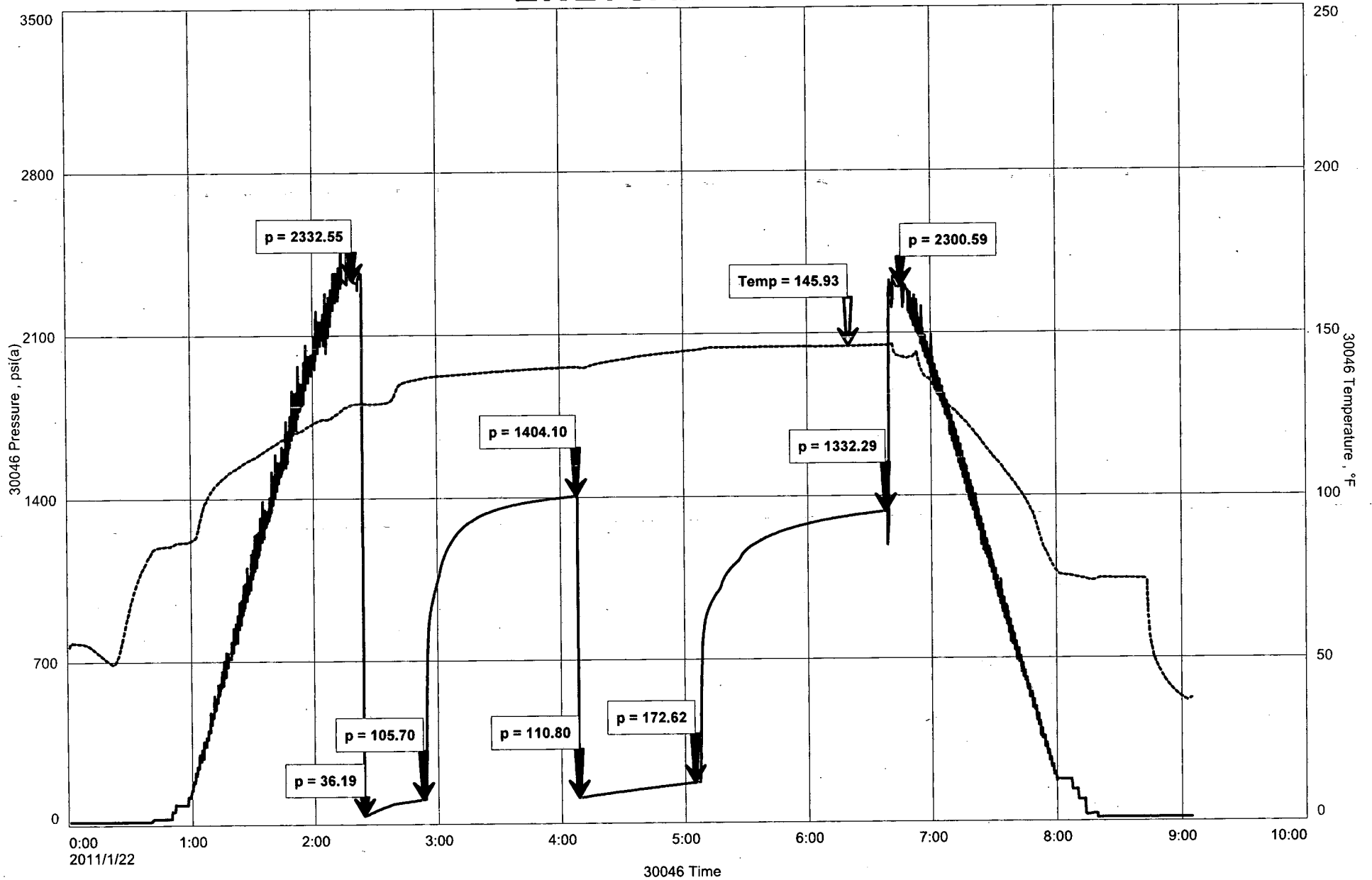
Time Set Packer(s) 2:20 A.M. A.M. P.M. Time Started Off Bottom 6:35 A.M. A.M. P.M. Maximum Temperature 146
 Initial Hydrostatic Pressure (A) 2333 P.S.I.
 Initial Flow Period Minutes 30 (B) 36 P.S.I. to (C) 106 P.S.I.
 Initial Closed In Period Minutes 75 (D) 1404 P.S.I.
 Final Flow Period Minutes 60 (E) 111 P.S.I. to (F) 173 P.S.I.
 Final Closed In Period Minutes 90 (G) 1332 P.S.I.
 Final Hydrostatic Pressure (H) 2301 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.

MID CONTINENT ENERGY EXPL
Start Test Date: 2011/01/22
Final Test Date: 2011/01/22

ZWEYGARDT 1-34

ZWEYGARDT 1-34
Formation: LKC "K"
Job Number: D886



GENERAL INFORMATION

Client Information:

Company: MID CONTINENT ENERGY EXPL

Contact: RICHARD SAENZ

Phone: Fax: e-mail:

Site Information:

Contact: LARRY NICHOLSON

Phone: Fax: e-mail:

Well Information:

Name: ZWEYGARDT 1-34

Operator: MID CONTINENT ENERGY EXPLORATION CO.

Location-Downhole:

Location-Surface: S34/2S/41W

Test Information:

Company: DIAMOND TESTING

Representative: JOHN RIEDL

Supervisor: LARRY NICHOLSON

Test Type: CONVENTIONAL Job Number: D897

Test Unit:

Start Date: 2011/01/23 Start Time: 03:15:00

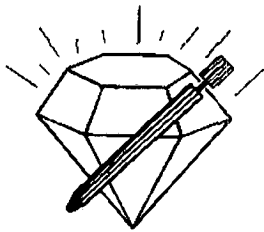
End Date: 2011/01/23 End Time: 09:35:00

Report Date: 2011/01/23 Prepared By: JOHN RIEDL

Qualified By: LARRY NICHOLSON

Remarks:

RECOVERY: 40' DRILLING MUD



DIAMOND TESTING

P.O. Box 157

HOISINGTON, KANSAS 67544
(620) 653-7550 • (800) 542-7313

ON 05:30 01/23/11

OFF 09:35 01/23/11

DRILL-STEM TEST TICKET

STC/ZWeygardt1-34dst4

Company MID CONTINENT ENERGY OPER. Lease & Well No. ZWEYGARDT 1-34
 Contractor WW DRILLING RIG 2 Charge to MID CONTINENT ENERGY OPER.
 Elevation 3604 K.B Formation PAWNEE Effective Pay _____ Ft. Ticket No. D897
 Date 1/23/11 Sec. 34 Twp. 2 S Range 41 W County CHEYENNE State KANSAS
 Test Approved By LARRY NICHOLSON Diamond Representative JOHN C. RIEDL

Formation Test No. 4 Interval Tested from 4804 ft. to 4861 ft. Total Depth 4861 ft.
 Packer Depth 4799 ft. Size 6 3/4 in. Packer Depth _____ ft. Size _____ in.
 Packer Depth 4804 ft. Size 6 3/4 in. Packer Depth _____ ft. Size _____ in.
 Depth of Selective Zone Set _____

Top Recorder Depth (Inside) _____ 4807 ft. Recorder Number 30046 Cap. 6,000 P.S.I.
 Bottom Recorder Depth (Outside) _____ 4658 ft. Recorder Number 11073 Cap. 4,000 P.S.I.
 Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.

Mud Type CHEMICAL Viscosity 72 Drill Collar Length 120 ft. I.D. 2 1/4 in.
 Weight 9.3 Water Loss 7.2 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.
 Chlorides 1,000 P.P.M. Drill Pipe Length 4654 ft. I.D. 3 1/2 in.
 Jars: Make BOWEN Serial Number #2 Test Tool Length 30 ft. Tool Size 3 1/2-IF in.
 Did Well Flow? NO Reversed Out NO Anchor Length 57 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: WEAK (1" DEC. + DEAD IN 20 MIN.) NO BB
 2nd Open: VERY WEAK (SURFACE DEAD IN 5 MIN.) NO BB

Recovered 40 ft. of DRILLING MUD (100% MUD)

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Remarks: TOTAL FLUID RECOVERY: 40" (0' IN DRILL PIPE, 40' IN DRILL COLLARS)

	Price Job
	Other Charges
	Insurance
	Total

Time Set Packer(s) 5:30 A.M. ^{A.M.}/_{P.M.} Time Started Off Bottom 7:30 A.M. ^{A.M.}/_{P.M.} Maximum Temperature 135

Initial Hydrostatic Pressure (A) 2367 P.S.I.
 Initial Flow Period Minutes 30 (B) 33 P.S.I. to (C) 40 P.S.I.
 Initial Closed In Period Minutes 30 (D) 1115 P.S.I.
 Final Flow Period Minutes 30 (E) 42 P.S.I. to (F) 45 P.S.I.
 Final Closed In Period Minutes 30 (G) 1084 P.S.I.
 Final Hydrostatic Pressure (H) 2346 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.

MID CONTINENT ENERGY EXPL
Start Test Date: 2011/01/23
Final Test Date: 2011/01/23

ZWEYGARDT 1-34
Job Number: D897

ZWEYGARDT 1-34

