

**KANSAS CORPORATION COMMISSION 1058179**  
**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: \_\_\_\_\_

Designate Type of Completion:

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

If Workover/Re-entry: Old Well Info as follows:

Operator: \_\_\_\_\_  
 Well Name: \_\_\_\_\_

Original Comp. Date: \_\_\_\_\_ Original Total Depth: \_\_\_\_\_

- Deepening     Re-perf.     Conv. to ENHR     Conv. to SWD  
 Conv. to GSW
- Plug Back: \_\_\_\_\_ Plug Back Total Depth \_\_\_\_\_  
 Commingled    Permit #: \_\_\_\_\_  
 Dual Completion    Permit #: \_\_\_\_\_  
 SWD    Permit #: \_\_\_\_\_  
 ENHR    Permit #: \_\_\_\_\_  
 GSW    Permit #: \_\_\_\_\_

<u>02/11/2011</u>	<u>02/25/2011</u>	<u>02/25/2011</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-023-21305-00-00

Spot Description: \_\_\_\_\_  
N2 NE NE SW Sec. 28 Twp. 4 S. R. 42  East  West  
2539 Feet from  North /  South Line of Section  
2970 Feet from  East /  West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE     NW     SE     SW

County: Cheyenne

Lease Name: Stroh Well #: 1-28

Field Name: \_\_\_\_\_

Producing Formation: None

Elevation: Ground: 3605 Kelly Bushing: 3610

Total Depth: 5340 Plug Back Total Depth: \_\_\_\_\_

Amount of Surface Pipe Set and Cemented at: 305 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: 800 ppm Fluid volume: 1500 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: 06/22/2011
- Confidential Release Date: \_\_\_\_\_
- Wireline Log Received
- Geologist Report Received
- UIC Distribution
- ALT  I  II  III Approved by: Deanna Gerrico Date: 06/23/2011



1058179

Operator Name: Mid-Continent Energy Operating Co. Lease Name: Stroh Well #: 1-28
Sec. 28 Twp. 4 S. R. 42 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 (Attach Additional Sheets)
Samples Sent to Geological Survey
Cores Taken
Electric Log Run
Electric Log Submitted Electronically
List All E. Logs Run:
Triple Combo
Log Formation (Top), Depth and Datum
Name Top Datum
Stone Corral 3381 +229
Topeka 4202 -592
LKC D 4430 -820
Morrow 5040 -1430
5134 -1524

CASING RECORD
Report all strings set-conductor, surface, intermediate, production, etc.
Table with columns: 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.
Row 1: Surface, 12.25, 8.625, 23, 305, Common, 185, 3% CC, 2% gel

ADDITIONAL CEMENTING / SQUEEZE RECORD
Table with columns: Purpose, Depth Top Bottom, Type of Cement, # Sacks Used, Type and Percent Additives.
Purposes: Perforate, Protect Casing, Plug Back TD, Plug Off Zone

PERFORATION RECORD - Bridge Plugs Set/Type
Specify Footage of Each Interval Perforated
Table with columns: Shots Per Foot, PERFORATION RECORD, 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: Vented, Sold, Used on Lease
METHOD OF COMPLETION: Open Hole, Perf., Dually Comp., Commingled, Other (Specify)
PRODUCTION INTERVAL:



PO BOX 31 Russell, KS 67665

RECEIVED

FEB 18 2011

**INVOICE**

Invoice Number: 126197

Invoice Date: Feb 11, 2011

Page: 1

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

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	Stroh #1-28	Net 30 Days	
Location	Completion	Start Date	End Date
KS1-01	Oakley	Feb 11, 2011	3/13/11

Quantity	Unit	Description	Unit Price	Amount
185.00	MAT	Class A Common	15.45	2,858.25
3.00	MAT	Gel	20.80	62.40
6.00	MAT	Chloride	58.20	349.20
194.00	SER	Handling	2.40	465.60
100.00	SER	Mileage 194 sx @ .10 per sk per mi	19.40	1,940.00
1.00	SER	Surface	1,018.00	1,018.00
100.00	SER	Pump Truck Mileage	7.00	700.00

**CO. #**  
**LSE #**  
**ACCT #**  
**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**

**ONLY IF PAID ON OR BEFORE**

Subtotal	7,393.45
Sales Tax	271.40
Total Invoice Amount	7,664.85
Payment/Credit Applied	
<b>TOTAL</b>	<b>7,664.85</b>

# ALLIED CEMENTING CO., LLC. 040997

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

SERVICE POINT: Oakley

DATE <u>2-11-11</u>	SEC. <u>28</u>	TWP. <u>4</u>	RANGE <u>42</u>	CALLED OUT	ON LOCATION	JOB START <u>8:30pm</u>	JOB FINISH <u>9:00pm</u>
LEASE <u>STroh</u>	WELL # <u>1-28</u>	LOCATION <u>ST FRANCIS 12W 34S</u>			COUNTY <u>Cheyenne</u>	STATE <u>KS</u>	
OLD OR NEW (Circle one) <u>(NEW)</u>			<u>1/2 W</u>				

CONTRACTOR W & W Drilling Rig 2 OWNER same

TYPE OF JOB <u>Surface</u>	CEMENT AMOUNT ORDERED <u>185 sbs corn</u>
HOLE SIZE <u>12 1/4</u> T.D. <u>306'</u>	<u>3900 2496L</u>
CASING SIZE <u>8 5/8</u> DEPTH <u>305.50'</u>	
TUBING SIZE DEPTH	
DRILL PIPE DEPTH	
TOOL DEPTH	
PRES. MAX MINIMUM	
MEAS. LINE SHOE JOINT	
CEMENT LEFT IN CSG. <u>15</u>	
PERFS.	
DISPLACEMENT <u>18.50 BBL</u>	

COMMON <u>185 sbs</u>	@ <u>15.45</u>	<u>2858.25</u>
POZMIX	@	
GEL <u>3 sbs</u>	@ <u>20.80</u>	<u>62.40</u>
CHLORIDE <u>6 sbs</u>	@ <u>58.20</u>	<u>349.20</u>
ASC	@	
	@	
	@	
	@	
	@	
	@	
	@	
	@	
HANDLING <u>194 sbs</u>	@ <u>2.40</u>	<u>465.60</u>
MILEAGE <u>109.54 mile</u>		<u>1740.00</u>
		TOTAL <u>520.15</u>

EQUIPMENT

PUMP TRUCK	CEMENTER <u>Andrew</u>
# <u>423-281</u>	HELPER <u>Larene</u>
BULK TRUCK	
# <u>404</u>	DRIVER <u>mike</u>
BULK TRUCK	
#	DRIVER

**REMARKS:**

Cement did circulate

Thank you

CHARGE TO: Mid-continent Energy Open

STREET \_\_\_\_\_

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

**SERVICE**

DEPTH OF JOB		
PUMP TRUCK CHARGE		<u>108.00</u>
EXTRA FOOTAGE	@	
MILEAGE <u>100 miles</u>	@ <u>2.00</u>	<u>200.00</u>
MANIFOLD	@	
	@	
	@	
		TOTAL <u>178.00</u>

**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 Lorrie Lang

SIGNATURE [Signature]

SALES TAX (if Any) \_\_\_\_\_

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

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



PO BOX 31 Russell, KS 67665

RECEIVED

MAR - 7 2011

# INVOICE

Invoice Number: 126347

Invoice Date: Feb 25, 2011

Page: 1

Voice: (785) 483-3887  
 Fax: (785) 483-5568

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

Customer ID	Well Name / or Customer Prod.	Payment Terms
MidCoEnOp	Stroh #1-28	Net 30 Days
Job Location	Camp Location	Service Date
KS1-03	Oakley	Feb 25, 2011
		Due Date
		3/27/11

Quantity	Item	Description	Unit Price	Amount
132.00	MAT	Class A Common	15.45	2,039.40
88.00	MAT	Pozmix	8.00	704.00
8.00	MAT	Gel	20.80	166.40
55.00	MAT	Flo Seal	2.50	137.50
230.00	SER	Handling	2.40	552.00
100.00	SER	Mileage 230 sx @ .10 per sk per mi	23.00	2,300.00
1.00	SER	Plug to Abandon	1,185.00	1,185.00
100.00	SER	Pump Truck Mileage	7.00	700.00
1.00	EQP	8.5/8 Dry Hole Plug	40.00	40.00

CO. #  
 LSE #  
 ACC #  
**APPROVED**  
 BCP    ACP    LOE

ALL PRICES ARE NET, PAYABLE  
 30 DAYS FOLLOWING DATE OF  
 INVOICE. 11/2% CHARGED  
 THEREAFTER. IF ACCOUNT IS  
 CURRENT, TAKE DISCOUNT OF

**3/25/2011**

ONLY IF PAID ON OR BEFORE

**MAR 2 2011**

Subtotal	7,824.30
Sales Tax	649.42
Total Invoice Amount	8,473.72
Payment/Credit Applied	
<b>TOTAL</b>	<b>8,473.72</b>

# ALLIED CEMENTING CO., LLC. 035571

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

SERVICE POINT: Rakley, K

DATE <u>2/05/11</u>	SEC. <u>28</u>	TWP. <u>4</u>	RANGE <u>42</u>	CALLED OUT	ON LOCATION	JOB START <u>5:00p</u>	JOB FINISH <u>6:00p</u>
LEASE <u>Stroh</u>	WELL # <u>1-28</u>	LOCATION <u>ST Francis H. Tall 3 5 1/2 S</u>			COUNTY <u>Wyandotte</u>	STATE <u>Ks</u>	
OLD OR NEW (Circle one) <u>NEW</u>				<u>1 1/2 W Sinto</u>			

CONTRACTOR W.W. & A

TYPE OF JOB PTA

HOLE SIZE 7 7/8 T.D. \_\_\_\_\_

CASING SIZE 8 5/8 DEPTH 205 1/2

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

DRILL PIPE 4 1/2 DEPTH \_\_\_\_\_

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

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

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

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

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

DISPLACEMENT \_\_\_\_\_

OWNER Same

CEMENT AMOUNT ORDERED 220 SK, 60/40 40 gal

14 1/2 Flo Seal

**EQUIPMENT**

PUMP TRUCK CEMENTER Alan

# 481 HELPER Barry

BULK TRUCK \_\_\_\_\_

# 391 DRIVER Fuzzy

BULK TRUCK \_\_\_\_\_

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

COMMON	<u>132</u>	@	<u>15.45</u>	<u>2039.40</u>
POZMIX	<u>80</u>	@	<u>8.00</u>	<u>204.00</u>
GEL	<u>8</u>	@	<u>20.00</u>	<u>166.40</u>
CHLORIDE		@		
ASC		@		
<u>Flo Seal 55 1/2</u>		@	<u>2.00</u>	<u>137.50</u>
HANDLING <u>230 SK</u>		@	<u>2.40</u>	<u>552.00</u>
MILEAGE <u>101.52/mile</u>		@		<u>2300.00</u>
				TOTAL <u>5892.30</u>

REMARKS:

250 @ 3190'

100 @ 2520'

40 @ 355'

10 @ 40'

30 - Post 664

15 - Mouse Hole

Thank You  
Alan, Fuzzy, Barry

**SERVICE**

DEPTH OF JOB			
PUMP TRUCK CHARGE			<u>1185.00</u>
EXTRA FOOTAGE	@		
MILEAGE <u>100</u>	@	<u>2.00</u>	<u>200.00</u>
MANIFOLD	@		
TOTAL <u>1885.00</u>			

CHARGE TO Mid-Continent Energy

STREET \_\_\_\_\_

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

**PLUG & FLOAT EQUIPMENT**

<u>PTP Dry Hole Plug</u>	@		<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.

PRINTED NAME Lonnie Lane

SIGNATURE Lonnie Lane

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

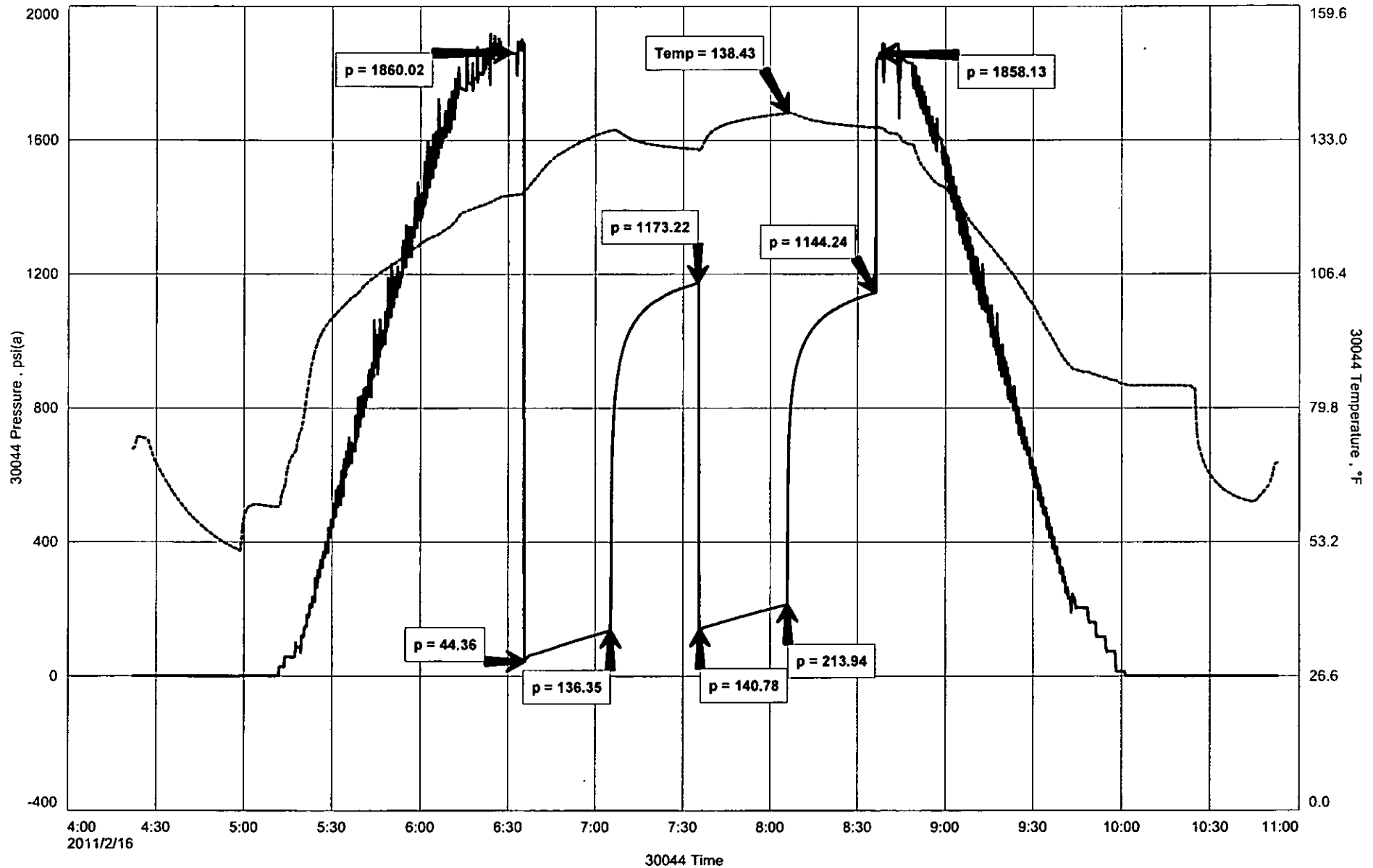
TOTAL CHARGES \_\_\_\_\_

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

MID CONTINENT  
DST#1 3986-4040 FORAKER  
Start Test Date: 2011/02/16  
Final Test Date: 2011/02/16

STROH #1-28  
Formation: DST#1 3986-4040 FORAKER  
Pool: WILDCAT  
Job Number: M102

# STROH #1-28



# DIAMOND TESTING

## Pressure Survey Report

### General Information

Company Name	MID CONTINENT	Job Number	M102
Well Name	STROH #1-28	Representative	MIKE COCHRAN
Unique Well ID	DST#1 3986-4040 FORAKER	Well Operator	MID CONTINENT
Surface Location	SEC.28-4S-42 W CHEYENNNE CO. KS.	Report Date	2011/02/16
Field	WILDCAT	Prepared By	MIKE COCHRAN
Well Type	Vertical	Qualified By	JOHN RUNDEL
		Test Unit	NO. 1

### Test Information

Test Type	CONVENTIONAL		
Formation	DST#1 3986-4040 FORAKER		
Test Purpose (AEUB)	Initial Test		
Start Test Date	2011/02/16	Start Test Time	04:22:00
Final Test Date	2011/02/16	Final Test Time	10:53:00
		Well Fluid Type	01 Oil
Gauge Name	30044		
Gauge Serial Number			

### Test Results

#### Remarks

RECOVERED:  
527' MW 80% WTR, 20% MUD  
527' TOTAL FLUID  
CHLOR: 31,000 PPM  
  
TOOL SAMPLE: 96% WTR, 4% MUD





**DIAMOND TESTING**  
P.O. Box 157  
**HOISINGTON, KANSAS 67544**  
(800) 542-7313  
**DRILL-STEM TEST TICKET**  
FILE: STRH1-28DST1

TIME ON: 0422

TIME OFF: 1053

Company MID CONTINENT Lease & Well No. STROH #1-28

Contractor WW RIG 2 Charge to MID CONTINENT

Elevation 3610 KB Formation FORAKER Effective Pay \_\_\_\_\_ Ft. Ticket No. M102

Date 2/16/11 Sec. 28 Twp. 4 S Range 42 W County CHEYENNE State KANSAS

Test Approved By JOHN RUNDEL Diamond Representative MIKE COCHRAN

Formation Test No. 1 Interval Tested from 3986 ft. to 4040 ft. Total Depth 4040 ft.

Packer Depth 3981 ft. Size 6 3/4 in. Packer depth NA ft. Size 6 3/4 in.

Packer Depth 3986 ft. Size 6 3/4 in. Packer depth NA ft. Size 6 3/4 in.

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

Top Recorder Depth (Inside) 3766 ft. Recorder Number 30044 Cap. 5,000 P.S.I.

Bottom Recorder Depth (Outside) 4037 ft. Recorder Number 13386 Cap. 3,875 P.S.I.

Below Straddle Recorder Depth NA ft. Recorder Number NA Cap. NA P.S.I.

Mud Type CHEMICAL Viscosity 71 Drill Collar Length 124 ft. I.D. 2 1/4 in.

Weight 8.8 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 3828 ft. I.D. 3 1/2 in.

Jars: Make STERLING Serial Number 1 Test Tool Length 34 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: WSB, BOB 16 1/2 MIN (NO BB)

2nd Open: WSB, BOB 26 MIN (NO BB)

Recovered 527 ft. of MW 80% WTR, 20% MUD

Recovered 527 ft. of TOTALFLUID

Recovered \_\_\_\_\_ ft. of \_\_\_\_\_

Recovered \_\_\_\_\_ ft. of RW: .16@ 66 DEG.

Recovered \_\_\_\_\_ ft. of PH: 7.5 Price Job \_\_\_\_\_

Recovered \_\_\_\_\_ ft. of CHLOR: 31,000 PPM Other Charges \_\_\_\_\_

Remarks: \_\_\_\_\_ Insurance \_\_\_\_\_

TOOL SAMPLE: 96% WTR, 4% MUD Total \_\_\_\_\_

Time Set Packer(s) 6:35 A.M. A.M. P.M. Time Started Off Bottom 8:35 A.M. A.M. P.M. Maximum Temperature 138

Initial Hydrostatic Pressure..... (A) 1860 P.S.I.

Initial Flow Period..... Minutes 30 (B) 44 P.S.I. to (C) 136 P.S.I.

Initial Closed In Period..... Minutes 30 (D) 1173 P.S.I.

Final Flow Period..... Minutes 30 (E) 141 P.S.I. to (F) 214 P.S.I.

Final Closed In Period..... Minutes 30 (G) 1144 P.S.I.

Final Hydrostatic Pressure..... (H) 1858 P.S.I.

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



**DIAMOND TESTING**  
P.O. Box 157  
**HOISINGTON, KANSAS 67544**  
(800) 542-7313  
**DRILL-STEM TEST TICKET**  
FILE: STRH1-28DST2

TIME ON: 1412

TIME OFF: 2048

Company MID CONTINENT Lease & Well No. STROH #1-28  
Contractor WW RIG 2 Charge to MID CONTINENT  
Elevation 3610 KB Formation OREAD Effective Pay \_\_\_\_\_ Ft. Ticket No. M103  
Date 2/17/11 Sec. 28 Twp. \_\_\_\_\_ 4 S Range \_\_\_\_\_ 42 W County CHEYENNE State KANSAS  
Test Approved By JOHN RUNDEL Diamond Representative MIKE COCHRAN

Formation Test No. 2 Interval Tested from 4287 ft. to 4332 ft. Total Depth 4332 ft.

Packer Depth 4282 ft. Size 6 3/4 in. Packer depth NA ft. Size 6 3/4 in.

Packer Depth 4287 ft. Size 6 3/4 in. Packer depth NA ft. Size 6 3/4 in.

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

Top Recorder Depth (Inside) 4267 ft. Recorder Number 30044 Cap. 5,000 P.S.I.

Bottom Recorder Depth (Outside) 4329 ft. Recorder Number 13386 Cap. 3,875 P.S.I.

Below Straddle Recorder Depth NA ft. Recorder Number NA Cap. NA P.S.I.

Mud Type CHEMICAL Viscosity 59 Drill Collar Length 124 ft. I.D. 2 1/4 in.

Weight 9.0 Water Loss 6.8 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in

Chlorides 900 P.P.M. Drill Pipe Length 4253 ft. I.D. 3 1/2 in

Jars: Make STERLING Serial Number 1 Test Tool Length 34 ft. Tool Size 3 1/2-IF in

Did Well Flow? NO Reversed Out NO Anchor Length 45 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: WSB, BUILT TO 2" (NO BB)

2nd Open: WSB AFTER 8 MIN, THEN BUILT TO 1" (NO BB)

Recovered 130 ft. of DM

Recovered 130 ft. of TOTAL FLUID

Recovered \_\_\_\_\_ ft. of \_\_\_\_\_

Recovered \_\_\_\_\_ ft. of \_\_\_\_\_

Recovered \_\_\_\_\_ ft. of \_\_\_\_\_

Recovered \_\_\_\_\_ ft. of \_\_\_\_\_

Remarks: \_\_\_\_\_

TOOL SAMPLE: DM W/ FEW SPOTS OF FOIL, AND SOME GASSY BUBBLES

Time Set Packer(s) 4:45 P.M. A.M. P.M. Time Started Off Bottom 6:45 P.M. A.M. P.M. Maximum Temperature 131

Initial Hydrostatic Pressure..... (A) 2056 P.S.I.

Initial Flow Period..... Minutes 30 (B) 11 P.S.I. to (C) 46 P.S.I.

Initial Closed In Period..... Minutes 30 (D) 1360 P.S.I.

Final Flow Period..... Minutes 30 (E) 48 P.S.I. to (F) 68 P.S.I.

Final Closed In Period..... Minutes 30 (G) 1349 P.S.I.

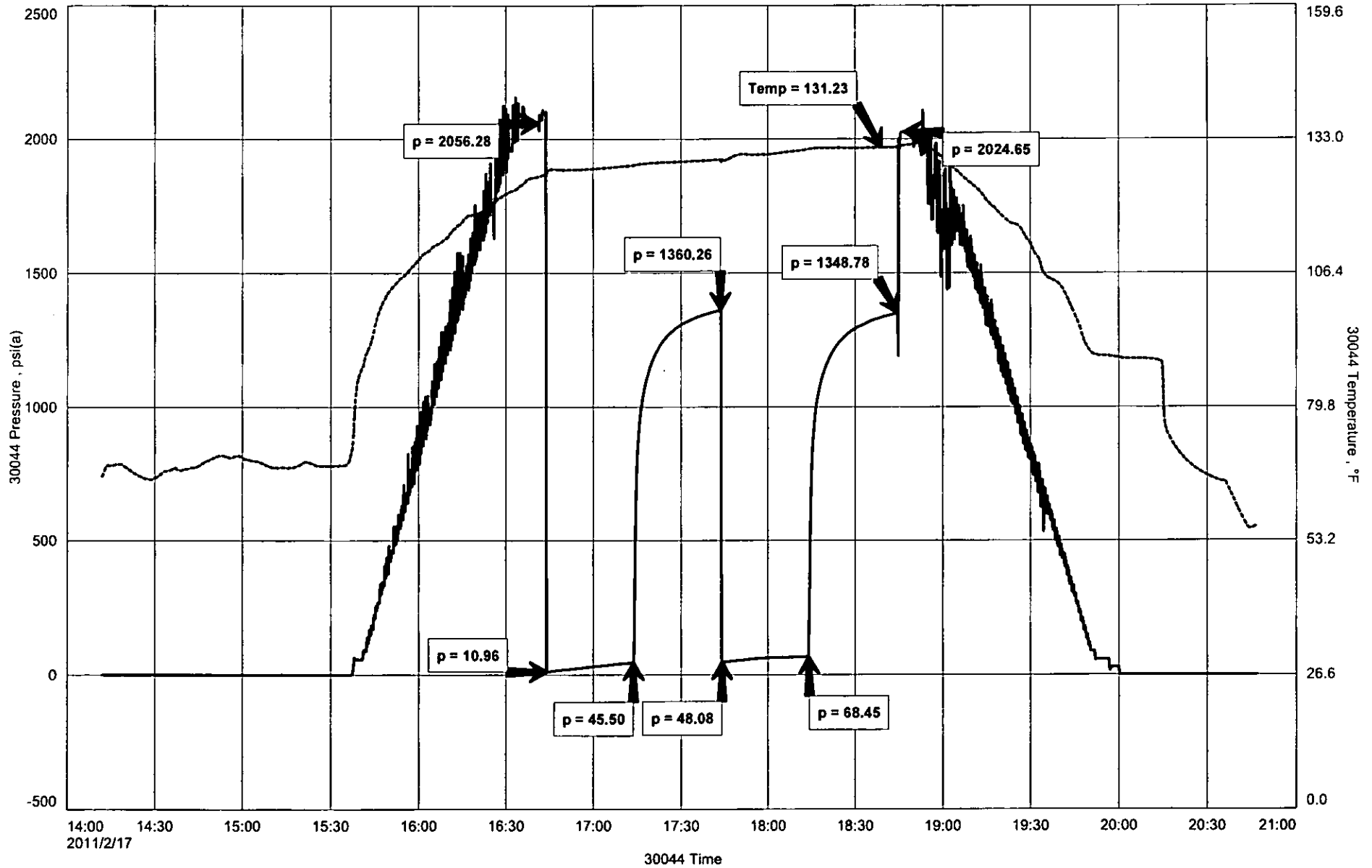
Final Hydrostatic Pressure..... (H) 2025 P.S.I.

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  
DST#2 4287-4332 OREAD  
Start Test Date: 2011/02/17  
Final Test Date: 2011/02/17

STROH #1-28  
Formation: DST#2 4287-4332 OREAD  
Pool: WILDCAT  
Job Number: M103

# STROH #1-28



# DIAMOND TESTING

## Pressure Survey Report

### General Information

Company Name	MID CONTINENT	Job Number	M103
Well Name	STROH #1-28	Representative	MIKE COCHRAN
Unique Well ID	DST#2 4287-4332 OREAD	Well Operator	MID CONTINENT
Surface Location	SEC.28-4S-42 W CHEYENNNE CO. KS.	Report Date	2011/02/17
Field	WILDCAT	Prepared By	MIKE COCHRAN
Well Type	Vertical	Qualified By	JOHN RUNDEL
		Test Unit	NO. 1

### Test Information

Test Type	CONVENTIONAL		
Formation	DST#2 4287-4332 OREAD		
Test Purpose (AEUB)	Initial Test		
Start Test Date	2011/02/17	Start Test Time	14:12:00
Final Test Date	2011/02/17	Final Test Time	20:48:00
		Well Fluid Type	01 Oil
Gauge Name	30044		
Gauge Serial Number			

### Test Results

#### Remarks

RECOVERED:  
130' DM  
130' TOTAL FLUID

TOOL SAMPLE: DM W/ FEW SPOTS OF OIL,AND SOME GASSY BUBBLES



**DIAMOND TESTING**  
P.O. Box 157  
**HOISINGTON, KANSAS 67544**  
(800) 542-7313  
**DRILL-STEM TEST TICKET**  
FILE: STRH1-28DST3

TIME ON: 0800  
TIME OFF: 1413

Company MID CONTINENT Lease & Well No. STROH #1-28  
Contractor WW RIG 2 Charge to MID CONTINENT  
Elevation 3610 KB Formation L KC-"A" Effective Pay \_\_\_\_\_ Ft. Ticket No. M104  
Date 2/18/11 Sec. 28 Twp. \_\_\_\_\_ 4 S Range \_\_\_\_\_ 42 W County CHEYENNE State KANSAS  
Test Approved By LARRY NICHOLSON Diamond Representative MIKE COCHRAN

Formation Test No. 3 Interval Tested from 4342 ft. to 4407 ft. Total Depth 4407 ft.  
Packer Depth 4337 ft. Size 6 3/4 in. Packer depth NA ft. Size 6 3/4 in.  
Packer Depth 4342 ft. Size 6 3/4 in. Packer depth NA ft. Size 6 3/4 in.  
Depth of Selective Zone Set \_\_\_\_\_

Top Recorder Depth (Inside) 4322 ft. Recorder Number 30044 Cap. 5,000 P.S.I.  
Bottom Recorder Depth (Outside) 4404 ft. Recorder Number 13386 Cap. 3,875 P.S.I.  
Below Straddle Recorder Depth NA ft. Recorder Number NA Cap. NA P.S.I.  
Mud Type CHEMICAL Viscosity 51 Drill Collar Length 124 ft. I.D. 2 1/4 in.  
Weight 9.1 Water Loss 6.8 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.  
Chlorides 900 P.P.M. Drill Pipe Length 4184 ft. I.D. 3 1/2 in.  
Jars: Make STERLING Serial Number 1 Test Tool Length 34 ft. Tool Size 3 1/2-IF in.  
Did Well Flow? NO Reversed Out NO Anchor Length 65 ft. Size 4 1/2-FH in.  
Main Hole Size 7 7/8 Tool Joint Size 4 1/2 XH in. (31' D.P.) Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: WSB, BUILT TO 3/4" IN 1 MIN, THEN DIMMINISHED UNTIL DEAD @ 11 MIN (NO BB)  
2nd Open: NO BLOW (NO BB)

Recovered <u>5</u> ft. of <u>DM</u>	
Recovered <u>5</u> ft. of <u>TOTAL FLUID</u>	
Recovered _____ ft. of _____	
Recovered _____ ft. of _____	
Recovered _____ ft. of _____	Price Job
Recovered _____ ft. of _____	Other Charges
Remarks: _____	Insurance
TOOL SAMPLE: <u>DM W/ LIGHT OIL SPOTS</u>	Total

Time Set Packer(s) 10:00 A.M. P.M. Time Started Off Bottom 12:00 P.M. P.M. Maximum Temperature 132  
Initial Hydrostatic Pressure..... (A) 2091 P.S.I.  
Initial Flow Period..... Minutes 30 (B) 23 P.S.I. to (C) 26 P.S.I.  
Initial Closed In Period..... Minutes 30 (D) 365 P.S.I.  
Final Flow Period..... Minutes 30 (E) 26 P.S.I. to (F) 27 P.S.I.  
Final Closed In Period..... Minutes 30 (G) 308 P.S.I.  
Final Hydrostatic Pressure..... (H) 2089 P.S.I.

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

# DIAMOND TESTING

## Pressure Survey Report

### General Information

Company Name	MID CONTINENT	Job Number	M104
Well Name	STROH #1-28	Representative	MIKE COCHRAN
Unique Well ID	DST#3 4342-4407 LKC-"A"	Well Operator	MID CONTINENT
Surface Location	SEC.28-4S-42 W CHEYENNE CO. KS.	Report Date	2011/02/18
Field	WILDCAT	Prepared By	MIKE COCHRAN
Well Type	Vertical	Qualified By	LARRY NICHOLSON
	Test Unit		NO. 1

### Test Information

Test Type	CONVENTIONAL		
Formation	DST#3 4342-4407 LKC-"A"		
Test Purpose (AEUB)	Initial Test		
Start Test Date	2011/02/18	Start Test Time	08:00:00
Final Test Date	2011/02/18	Final Test Time	14:13:00
		Well Fluid Type	01 Oil
Gauge Name	30044		
Gauge Serial Number			

### Test Results

#### Remarks

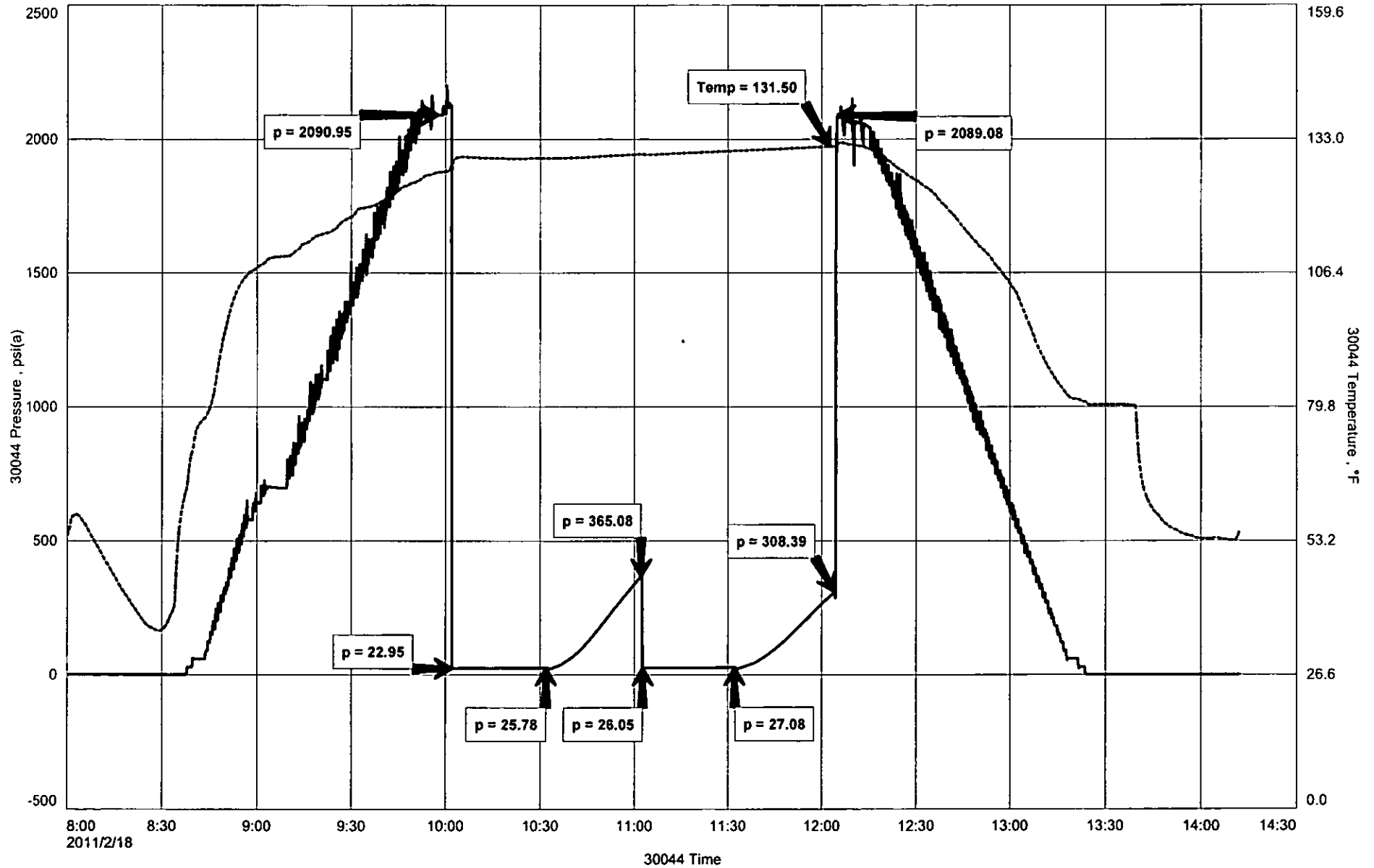
RECOVERED:  
5' DM  
5' TOTAL FLUID

TOOL SAMPLE: DM W/ LIGHT OIL SPOTS

MID CONTINENT  
DST#3 4342-4407 LKC-"A"  
Start Test Date: 2011/02/18  
Final Test Date: 2011/02/18

STROH #1-28  
Formation: DST#3 4342-4407 LKC-"A"  
Pool: WILDCAT  
Job Number: M104

# STROH #1-28





**DIAMOND TESTING**  
P.O. Box 157  
**HOISINGTON, KANSAS 67544**  
(800) 542-7313  
**DRILL-STEM TEST TICKET**  
FILE: STRH1-28DST4

TIME ON: 1005  
TIME OFF: 1855

Company MID CONTINENT Lease & Well No. STROH #1-28  
Contractor WW RIG 2 Charge to MID CONTINENT  
Elevation 3610 KB Formation L KC-"H" Effective Pay \_\_\_\_\_ Ft. Ticket No. M105  
Date 2/19/11 Sec. 28 Twp. 4 S Range 42 W County CHEYENNE State KANSAS  
Test Approved By LARRY NICHOLSON Diamond Representative MIKE COCHRAN

Formation Test No. 4 Interval Tested from 4505 ft. to 4580 ft. Total Depth 4580 ft.  
Packer Depth 4500 ft. Size 6 3/4 in. Packer depth NA ft. Size 6 3/4 in.  
Packer Depth 4505 ft. Size 6 3/4 in. Packer depth NA ft. Size 6 3/4 in.

Depth of Selective Zone Set \_\_\_\_\_  
Top Recorder Depth (Inside) 4485 ft. Recorder Number 30044 Cap. 5,000 P.S.I.  
Bottom Recorder Depth (Outside) 4577 ft. Recorder Number 13386 Cap. 3,875 P.S.I.  
Below Straddle Recorder Depth NA ft. Recorder Number NA Cap. NA P.S.I.

Mud Type CHEMICAL Viscosity 52 Drill Collar Length 124 ft. I.D. 2 1/4 in.  
Weight 9.3 Water Loss \_\_\_\_\_ cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.  
Chlorides \_\_\_\_\_ P.P.M. Drill Pipe Length 4347 ft. I.D. 3 1/2 in.  
Jars: Make STERLING Serial Number 1 Test Tool Length 34 ft. Tool Size 3 1/2-IF in.  
Did Well Flow? NO Reversed Out NO Anchor Length 75 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: WSB, BUILT TO 1/4" IN 12 MIN, THRN DIMINISHED TO A WSB (NO BB)  
2nd Open: WSB AFTER 10 MIN, THEN VERY SLOWLY BUILT TO 1/4" (NO BB)

Recovered 130 ft. of DM 100% DRLG MUD  
Recovered 130 ft. of TOTALFLUID  
Recovered \_\_\_\_\_ ft. of \_\_\_\_\_  
Recovered \_\_\_\_\_ ft. of \_\_\_\_\_

Recovered _____ ft. of _____	Price Job
Recovered _____ ft. of _____	Other Charges
Remarks: _____	Insurance
<u>TOOL SAMPLE: DM W/ VERY LIGHT OIL SPOTTED SHEEN, W/ VERY LITTLE BLACK</u>	Total

Time Set Packer(s) 12:30 P.M. <sup>A.M.</sup>/<sub>P.M.</sub> Time Started Off Bottom 4:45 P.M. <sup>A.M.</sup>/<sub>P.M.</sub> Maximum Temperature 136  
Initial Hydrostatic Pressure..... (A) 2176 P.S.I.  
Initial Flow Period..... Minutes 30 (B) 7 P.S.I. to (C) 20 P.S.I.  
Initial Closed In Period..... Minutes 75 (D) 1442 P.S.I.  
Final Flow Period..... Minutes 60 (E) 22 P.S.I. to (F) 45 P.S.I.  
Final Closed In Period..... Minutes 90 (G) 1394 P.S.I.  
Final Hydrostatic Pressure..... (H) 2152 P.S.I.

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



# DIAMOND TESTING

## Pressure Survey Report

### General Information

Company Name	MID CONTINENT	Job Number	M105
Well Name	STROH #1-28	Representative	MIKE COCHRAN
Unique Well ID	DST#4 4505-4580 LKC-"H"	Well Operator	MID CONTINENT
Surface Location	SEC.28-4S-42 W CHEYENNE CO. KS.	Report Date	2011/02/19
Field	WILDCAT	Prepared By	MIKE COCHRAN
Well Type	Vertical	Qualified By	LARRY NICHOLSON
	Test Unit		NO. 1

### Test Information

Test Type	CONVENTIONAL		
Formation	DST#4 4505-4580 LKC-"H"		
Test Purpose (AEUB)	Initial Test		
Start Test Date	2011/02/19	Start Test Time	10:05:00
Final Test Date	2011/02/19	Final Test Time	18:55:00
		Well Fluid Type	01 Oil
Gauge Name	30044		
Gauge Serial Number			

### Test Results

#### Remarks

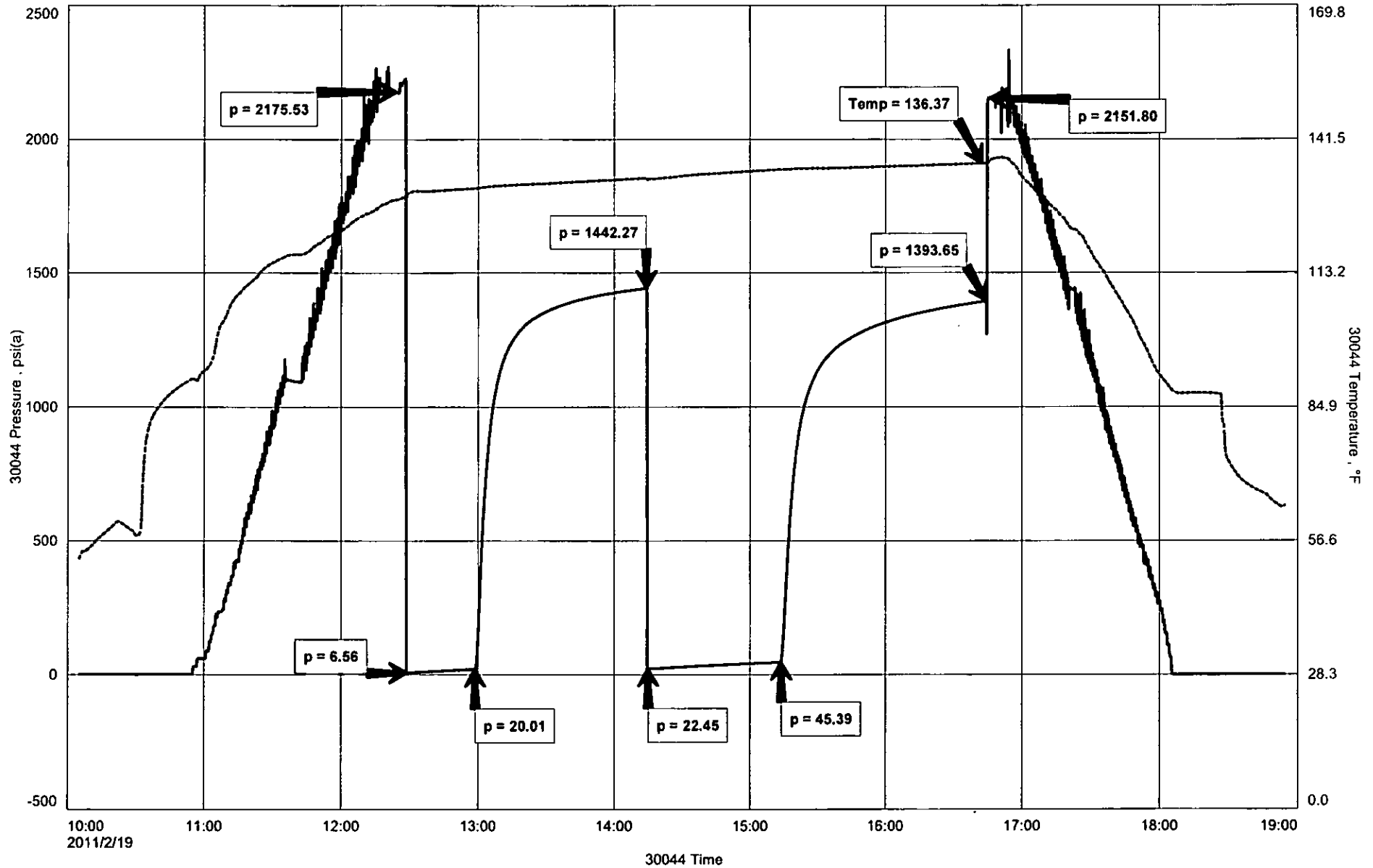
RECOVERED:  
130' DM  
130' TOTAL FLUID

TOOL SAMPLE: DM W/VERY LIGHT OIL SPOTTED SHEEN W/ VERY LITTLE BLACK

MID CONTINENT  
DST#4 4505-4580 LKC-"H"  
Start Test Date: 2011/02/19  
Final Test Date: 2011/02/19

STROH #1-28  
Formation: DST#4 4505-4580 LKC-"H"  
Pool: WILDCAT  
Job Number: M105

# STROH #1-28





**DIAMOND TESTING**  
P.O. Box 157  
**HOISINGTON, KANSAS 67544**  
(800) 542-7313  
**DRILL-STEM TEST TICKET**  
FILE: STRH1-28DST5

TIME ON: 0541  
TIME OFF: 1437

Company MID CONTINENT Lease & Well No. STROH #1-28  
Contractor WW RIG 2 Charge to MID CONTINENT  
Elevation 3610 KB Formation LKC "J" Effective Pay \_\_\_\_\_ Ft. Ticket No. M106  
Date 2/20/11 Sec. 28 Twp. \_\_\_\_\_ 4 S Range \_\_\_\_\_ 42 W County CHEYENNE State KANSAS  
Test Approved By LARRY NICHOLSON Diamond Representative MIKE COCHRAN

Formation Test No. 5 Interval Tested from 4556 ft. to 4632 ft. Total Depth 4632 ft.  
Packer Depth 4551 ft. Size 6 3/4 in. Packer depth NA ft. Size 6 3/4 in.  
Packer Depth 4556 ft. Size 6 3/4 in. Packer depth NA ft. Size 6 3/4 in.

Depth of Selective Zone Set \_\_\_\_\_  
Top Recorder Depth (Inside) 4536 ft. Recorder Number 30044 Cap. 5,000 P.S.I.  
Bottom Recorder Depth (Outside) 4629 ft. Recorder Number 13386 Cap. 3,875 P.S.I.  
Below Straddle Recorder Depth NA ft. Recorder Number NA Cap. NA P.S.I.

Mud Type CHEMICAL Viscosity 61 Drill Collar Length 124 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 800 P.P.M. Drill Pipe Length 4398 ft. I.D. 3 1/2 in.  
Jars: Make STERLING Serial Number 1 Test Tool Length 34 ft. Tool Size 3 1/2-IF in.  
Did Well Flow? NO Reversed Out NO Anchor Length 76 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: WSB, BUILT TO 3" (NO BB)  
2nd Open: WSB AFTER 1 1/2 MIN, THEN BUILT TO 4" (NO BB)

Recovered 2" ft. of FREE OIL  
Recovered 136 ft. of GOSM 1% GAS, 2% OIL, 97% MUD  
Recovered 124 ft. of GOSM 1% GAS, 3% OIL, 96% MUD  
Recovered 260 ft. of TOTAL FLUID

Recovered _____ ft. of _____	Price Job
Recovered _____ ft. of _____	Other Charges
Remarks: _____	Insurance
TOOL SAMPLE: 3% OIL, 97% MUD	Total

Time Set Packer(s) 8:00 A.M. A.M. P.M. Time Started Off Bottom 12:15 P.M. A.M. P.M. Maximum Temperature 135

Initial Hydrostatic Pressure..... (A) 2176 P.S.I.  
Initial Flow Period..... Minutes 30 (B) 10 P.S.I. to (C) 70 P.S.I.  
Initial Closed In Period..... Minutes 75 (D) 1452 P.S.I.  
Final Flow Period..... Minutes 60 (E) 74 P.S.I. to (F) 124 P.S.I.  
Final Closed In Period..... Minutes 90 (G) 1395 P.S.I.  
Final Hydrostatic Pressure..... (H) 2165 P.S.I.

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

# DIAMOND TESTING

## Pressure Survey Report

### General Information

Company Name	MID CONTINENT	Job Number	M106
Well Name	STROH #1-28	Representative	MIKE COCHRAN
Unique Well ID	DST#5 4556-4632 LKC-"J"	Well Operator	MID CONTINENT
Surface Location	SEC.28-4S-42 W CHEYENNE CO. KS.	Report Date	2011/02/20
Field	WILDCAT	Prepared By	MIKE COCHRAN
Well Type	Vertical	Qualified By	LARRY NICHOLSON
		Test Unit	No.1

### Test Information

Test Type	CONVENTIONAL		
Formation	DST#5 4556-4632 LKC-"J"		
Test Purpose (AEUB)	Initial Test		
Start Test Date	2011/02/20	Start Test Time	05:41:00
Final Test Date	2011/02/20	Final Test Time	14:37:00
		Well Fluid Type	01 Oil
Gauge Name	30044		
Gauge Serial Number			

### Test Results

#### Remarks

##### RECOVERED:

2" FREE OIL

128' GOSM 1% GAS, 2% OIL, 97% MUD

124' GOSM 1% GAS, 3% OIL, 96% MUD

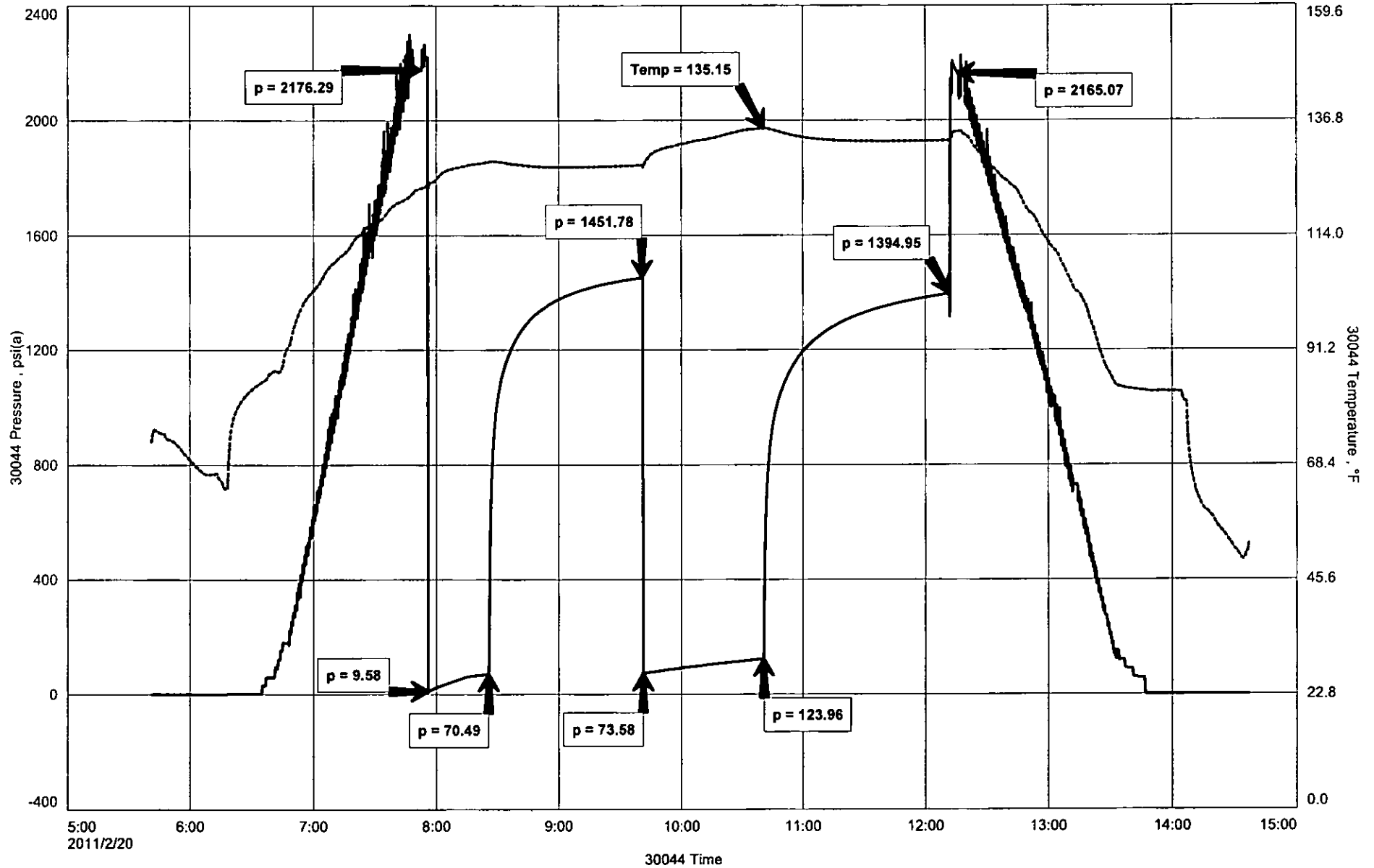
260' TOTAL FLUID

TOOLSAMPLE: 3% OIL, 97% MUD

MID CONTINENT  
DST#5 4556-4632 LKC-"J"  
Start Test Date: 2011/02/20  
Final Test Date: 2011/02/20

STROH #1-28  
Formation: DST#5 4556-4632 LKC-"J"  
Pool: WILDCAT

# STROH #1-28



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/>

Mark Sievers, Chairman  
Ward Loyd, Commissioner  
Thomas E. Wright, Commissioner

Sam Brownback, Governor

June 22, 2011

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

Re: ACO1  
API 15-023-21305-00-00  
Stroh 1-28  
SW/4 Sec.28-04S-42W  
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

Conservation Division  
Finney State Office Building  
130 S. Market, Rm. 207B  
Wichita, KS 67202-3802



Phone: 316-337-6200  
Fax: 316-337-6211  
<http://kcc.ks.gov/>

Mark Sievers, Chairman  
Ward Loyd, Commissioner  
Thomas E. Wright, Commissioner

Sam Brownback, Governor

June 23, 2011

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

Re: ACO-1  
API 15-023-21305-00-00  
Stroh 1-28  
SW/4 Sec.28-04S-42W  
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 02/11/2011 and the ACO-1 was received on June 22, 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