



KANSAS CORPORATION COMMISSION 1061296  
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 # \_\_\_\_\_

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

Address 1: \_\_\_\_\_

Address 2: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_ + \_\_\_\_\_

Contact Person: \_\_\_\_\_

Phone: ( \_\_\_\_\_ ) \_\_\_\_\_

CONTRACTOR: License # \_\_\_\_\_

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

Wellsite Geologist: \_\_\_\_\_

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 #: \_\_\_\_\_

Spud Date or Recompletion Date      Date Reached TD      Completion Date or Recompletion Date

API No. 15 - \_\_\_\_\_

Spot Description: \_\_\_\_\_

\_\_\_\_\_ - \_\_\_\_\_ - \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West

\_\_\_\_\_ Feet from  North /  South Line of Section

\_\_\_\_\_ Feet from  East /  West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE       NW       SE       SW

County: \_\_\_\_\_

Lease Name: \_\_\_\_\_ Well #: \_\_\_\_\_

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

Producing Formation: \_\_\_\_\_

Elevation: Ground: \_\_\_\_\_ Kelly Bushing: \_\_\_\_\_

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

Amount of Surface Pipe Set and Cemented at: \_\_\_\_\_ 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: \_\_\_\_\_ ppm Fluid volume: \_\_\_\_\_ bbls

Dewatering method used: \_\_\_\_\_

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: \_\_\_\_\_
- Confidential Release Date: \_\_\_\_\_
- Wireline Log Received
- Geologist Report Received
- UIC Distribution
- ALT  I  II  III Approved by: \_\_\_\_\_ Date: \_\_\_\_\_



1061296

Operator Name: \_\_\_\_\_ Lease Name: \_\_\_\_\_ Well #: \_\_\_\_\_

Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West County: \_\_\_\_\_

**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:

Log Formation (Top), Depth and Datum  Sample  
Name Top Datum

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

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

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 <i>(If vented, Submit ACO-18.)</i>	<input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____	<input type="checkbox"/> Commingled <input type="checkbox"/> Other <i>(Submit ACO-4)</i>

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

August 22, 2011

CARRIE RENNER  
Comanche Resources Company  
6520 N WESTERN AVE STE 300  
OKLAHOMA CITY, OK 73116-7334

Re: ACO1  
API 15-033-21582-00-00  
Lohrding 8-1  
SE/4 Sec.08-31S-19W  
Comanche 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,  
CARRIE RENNER

Customer Comanche EXPLORATION	Lease No. Dany, LLC	Date 4-14-11
Lease Lohrding	Well # 8-1	
Field Order # 3872	Station Pratt, Kansas	Casing 13 3/8 48Lb
Type Job C.N.W. - Conductor	Depth 374 Feet	County Comanche
	Formation	State Kansas
		Legal Description 8-315-19W

PIPE DATA		PERFORATING DATA		FLUID USED	TREATMENT RESUME		
Casing Size 13 3/8 48Lb./ft.	Tubing Size	Shots/Ft	360 sac	38 Calcium Chloride	RATE	PRESS	ISIP
Depth 374 Feet	Depth	From	To 296		Max	25 Lb./sk.	5 Min.
Volume 51.5 Bbl.	Volume	From	To		Min		10 Min.
Max Press 400 PSI	Max Press	From	To		Avg		15 Min.
Well Connection 8 1/8 S Wedge	Annulus Vol.	From	To		HHP Used		Annulus Pressure
Plug Depth 303 Feet	Packer Depth	From	To	Flush 55.8 Bbl. Fresh Water	Gas Volume		Total Load

Customer Representative Jim Lemaster	Station Manager David Scott	Treater Clarence R. Messick
Service Units 37,216	19,903	19,905
Driver Names Messick	Mattal	Mc Graw

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
2:00					Cementer and Float Equipment on location.
2:30					Trucks on location and hold safety meeting.
2:45					Dupe Drilling start to run 8 Joints new 48Lb./ft. 13 3/8" casing.
					A centralizer was installed 1/2 way up on shoe joint and on collar #3
6:00					Casing in well. Circulate for 10 minutes.
6:15	400			5	Start Fresh Water Pre-Flush.
			10	5	Start mixing 360 sacks commencement.
			96	5	Start Fresh water Displacement.
6:45	400		151.8		Plug down. Shut in well.
					Circulated 10 sacks cement to the pit.
					Wash up pump truck.
7:15					Job complete.
					Thank You.
					Clarence, Milte, Milte

Customer <b>COMANCHE EXP. CO. LLC</b>	Lease No.	Date <b>4-16-2011</b>
Lease <b>LOHRDING</b>	Well # <b>8-1</b>	
Field Order # <b>3665</b>	Station	Casing <b>5 1/8"</b>
Type Job <b>CNW - 8 5/8" S.P. W/LOSTCIRC. @ 6886</b>	Formation	Depth <b>955'</b>
		County <b>COMANCHE</b>
		State <b>Ks.</b>
		Legal Description <b>8-31-19</b>

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size	Tubing Size	Shots/Ft		Acid	RATE	PRESS	ISIP	
<b>5 1/8"</b>			<b>CMT -</b>	<b>200SK A-CON</b>				
<b>955'</b>	<b>955'</b>	From	To	<b>@ 2.47 CUFT<sup>3</sup></b>	Max		5 Min.	
<b>60.3 BBL</b>	<b>60.3 BBL</b>	From	To	<b>200SK COMMON</b>	Min		10 Min.	
<b>500</b>	<b>500</b>	From	To	<b>@ 1.34 CUFT<sup>3</sup></b>	Avg		15 Min.	
<b>P.C.</b>	<b>P.C.</b>	From	To		HHP Used		Annulus Pressure	
<b>104.55'</b>	<b>104.55'</b>	From	To	<b>57.58 BBL</b>	Gas Volume		Total Load	

Customer Representative <b>JIM</b>	Station Manager <b>D. SCOTT</b>	Treater <b>K. LESLEY / K. GURDLEY</b>
---------------------------------------	------------------------------------	------------------------------------------

Service Units	19870	19889	19842	19826	19860	19832	19862	19907			
Driver Names	<b>LESLEY</b>	<b>MITCHELL</b>	<b>—</b>	<b>HUNTER</b>	<b>—</b>	<b>PIERCE</b>	<b>—</b>	<b>GURDLEY</b>			

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
<b>10:00 PM</b>					<b>ON LOCATION - SAFETY MEETING</b>
					<b>LOST CIRC. @ 686' - DRY DRILL 955'</b>
					<b>CENT - 1, 2, 4, 15, 16</b>
					<b>BASKETS - 15, 16</b>
<b>12:20 AM</b>					<b>CSG. ON BOTTOM</b>
<b>1:30 AM</b>					<b>HOOK UP TO CSG / FILL CSG CAPACITY</b>
<b>1:41 AM</b>	<b>0</b>		<b>88</b>	<b>5</b>	<b>MIX 200SK ACON @ 12#</b>
<b>1:50 AM</b>	<b>200</b>		<b>48</b>	<b>5</b>	<b>MIX 200 SK COMMON @ 15#</b>
<b>1:54 AM</b>					<b>SHOT DOWN - RELEASE PLUG</b>
<b>1:56 AM</b>	<b>0</b>		<b>0</b>	<b>5</b>	<b>START DISPLACEMENT</b>
<b>2:05 AM</b>	<b>0</b>		<b>47</b>	<b>3</b>	<b>SLOW RATE</b>
<b>2:08 AM</b>	<b>0</b>		<b>57.5</b>	<b>3</b>	<b>PLUG DOWN - CLOSED IN AT HEAD</b>
					<b>NO CIRCULATION THRU JOB</b>
<b>2:40 AM</b>					<b>RUN 6 JTS OF 1" BESIDE CSG</b>
<b>2:50 AM</b>	<b>0</b>	<b>0</b>	<b>10</b>	<b>2</b>	<b>MIX 50SK CMT @ 16#</b>
					<b>WAIT 2 HOURS</b>
<b>4:15 AM</b>		<b>0</b>	<b>10</b>	<b>2</b>	<b>MIX 50 SK COMMON @ 16#</b>
<b>4:30 AM</b>					<b>CMT TO SURFACE - FALLING</b>
<b>5:30 AM</b>					<b>WAIT 1 HR - CHECK CMT. - O.K.</b>
<b>6:30 AM</b>					<b>JOB COMPLETE</b>

THANKS - KEEVEN LESLEY

PROD

## TREATMENT REPORT

Customer Comanche Exploratory Company	Lease No. Lease	Well # 8-1	Date 4-28-11
Field Order # 4080	Station Pratt, KS	Casing ID 5 1/2" ID	Depth 5828 ft
Type Job C.N.W. - Longstring	Formation	County Comanche	State Kansas
		Legal Description 8-315-19W	

PIPE DATA		PERFORATING DATA		CEMENT USED		TREATMENT RESUME	
Casing Size 5 1/2" ID	Tubing Size 4 1/2" ID	Shots/Ft 215	From .258	To 10.8	Rate 1.54 cu ft/stk	Press 500 psi	Slip 5 Min
Depth 5828 Feet	Volume 35.2 Bbl	From 14.8	To 14.8	Flush 134.3 Bbl	Avg	Max Press 1750 PSI	10 Min
Well Connection Plug Container	Annulus Vol. Packer Depth	From 50	To 30	Flush 134.3 Bbl	Gas Volume	Annulus Pressure	Total Load

Customer Representative: **Jim** Station Manager: **David Scott** Operator: **Clarence R. Messick**

Service Units	37216	19903	19905	42,355	42,284
Driver Names	Messick	Mattal	Ortiz		

Time A.M.	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
1:30					Truck on location and hold safety meeting.
2:40					30 Joints of casing left to run upon arrival. Casing in well. Circulate for 45 minutes.
3:36	2500				Shut in well. Pressure Test. Open well.
3:38	500			6	Start Fresh water Pre-Flush.
	500		20	6	Start Super Flush II.
	500		32	5	Start Fresh water spacer.
	550		35	5	Start mixing 215 sacks AA-2 cement.
3:50	-0-		94		Stop pumping. Shut in well. Wash pump and lines. Release Top Rubber Plug. Open Well.
4:05	100			6.5	Start 28 HCL Displacement.
			95	5	Start to lift cement.
4:40	1100		134.3		Plug down.
	1750				Pressure up.
					Release pressure. Float Collar held.
	0-		7-5	3	Plug Rat and Mouse holes.
					Wash up pump truck.
5:30					Job Complete.
					Thank You.
					Clarence, Mike, Juan

# Sean Deenihan

## Petroleum Geologists

15-033-21582

15-033-21582

### GEOLOGIST'S REPORT DRILLING TIME AND SAMPLE LOG

COMPANY Comanche Resources Co., LLC.

LEASE Lohrding #8-1

FIELD Wildcat

LOCATION 900' FSL & 780' FEL

SEC 8 TWSP 31S RGE 19W

COUNTY Comanche STATE Kansas

CONTRACTOR Duke Drilling Rig #5

SPUD 4/13/11 COMP 4/27/11

RTD 5830' LTD 5828'

MUD UP 3000' TYPE MUD Chemical

SAMPLES SAVED FROM 4100' TO RTD

DRILLING TIME KEPT FROM 4100' TO RTD

SAMPLES EXAMINED FROM 4100' TO RTD

GEOLOGICAL SUPERVISION FROM 4100'

REFERENCE WELL Terra Res. - Kirk #1

#### ELEVATIONS

KB 2179'

DF         

GL 2168'

Measurements Are All  
From Kelly Bushing

#### CASING

CONDUCTOR 13.375" @ 374'

SURFACE 8-5/8" @ 946'

PRODUCTION 5.5" 17# @ 5825'

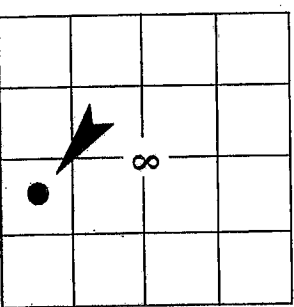
#### ELECTRICAL SURVEYS

CND, DIL,

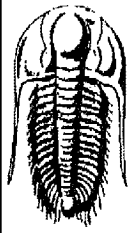
Sonic, Micro

Allied Logging

Formation	Sample Tops	E-log Tops	Struct Pos.
Heebner Sh.	4226 (-2045)	4220 (-2039)	
Brown Lime	4425 (-2244)	4422 (-2241)	
Swope	4754 (-2564)	4750 (-2560)	
Marmaton	4900 (-2721)	4900 (-2721)	
Cherokee	5016 (-2837)	5014 (-2835)	
Miss	5118 (-2939)	5095 (-2916)	
Warsaw	5282 (-3101)	5278 (-3097)	
Gray Zone	5662 (-3483)	5654 (-3475)	
Viola	5706 (-3527)	5716 (-3537)	



Lohrding #8-1



**TRILOBITE TESTING, INC**

# DRILL STEM TEST REPORT

CommancheResourcesCompany

**Lohrding #8-1**

6520 N Western AVE STE 300  
Oklahoma City OK  
73116+7334  
ATTN: Carrie Renner

**8-31s-19w**

Job Ticket: 41647

**DST#: 2**

Test Start: 2011.04.23 @ 23:57:51

## GENERAL INFORMATION:

Formation: **Mississippi**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 03:47:36

Time Test Ended: 10:18:51

Test Type: Conventional Bottom Hole

Tester: Chris Staats

Unit No: 34

Interval: **5060.00 ft (KB) To 5148.00 ft (KB) (TVD)**

Total Depth: 4764.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2179.00 ft (KB)

2168.00 ft (CF)

KB to GR/CF: 11.00 ft

## Serial #: 8166

Press@RunDepth: 134.86 psig @ ft (KB)

Start Date: 2011.04.23

End Date: 2011.04.24

Start Time: 23:57:56

End Time: 10:18:51

Capacity: 8000.00 psig

Last Calib.: 2011.04.24

Time On Btm: 2011.04.24 @ 03:41:21

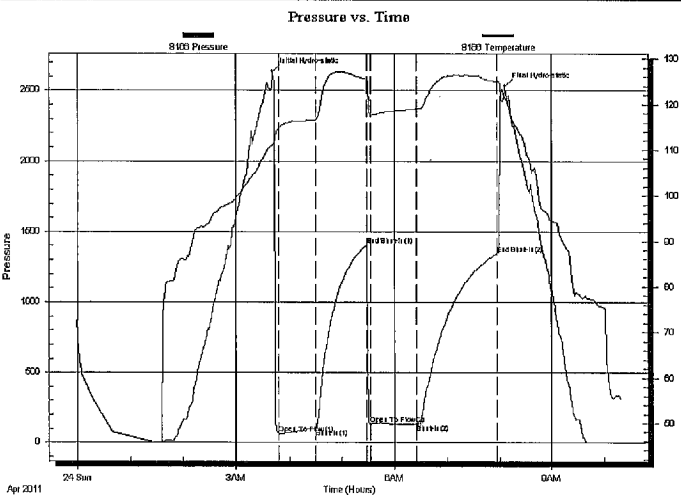
Time Off Btm: 2011.04.24 @ 08:06:21

TEST COMMENT: IF: Strong blow BOB 30 sec GTS 10 min {see gas flow report}

ISI: No blow back

FF: Strong blow BOB 3 sec { see gas flow report }

FSI: Weak surface blow



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2634.13	110.99	Initial Hydro-static
7	65.96	114.55	Open To Flow (1)
49	97.58	116.61	Shut-In(1)
107	1399.92	125.52	End Shut-In(1)
111	129.49	117.69	Open To Flow (2)
164	134.86	119.02	Shut-In(2)
256	1344.33	125.00	End Shut-In(2)
265	2531.76	121.39	Final Hydro-static

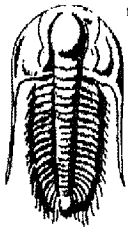
## Recovery

Length (ft)	Description	Volume (bbl)
0.00	GIP 5060'	0.00
350.00	g,m oil spots 3%gas 97%mud	2.14

## Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.25	2.00	26.02
Last Gas Rate	0.25	2.00	26.02
Max. Gas Rate	0.25	13.00	43.47





**TRILOBITE**  
**TESTING, INC.**

# DRILL STEM TEST REPORT

**GAS RATES**

CommancheResourcesCompany

**Lohrding #8-1**

6520 N Western AVE STE 300  
Oklahoma City OK  
73116+7334

**8-31s-19w**

Job Ticket: 41647

**DST#: 2**

ATTN: Carrie Renner

Test Start: 2011.04.23 @ 23:57:51

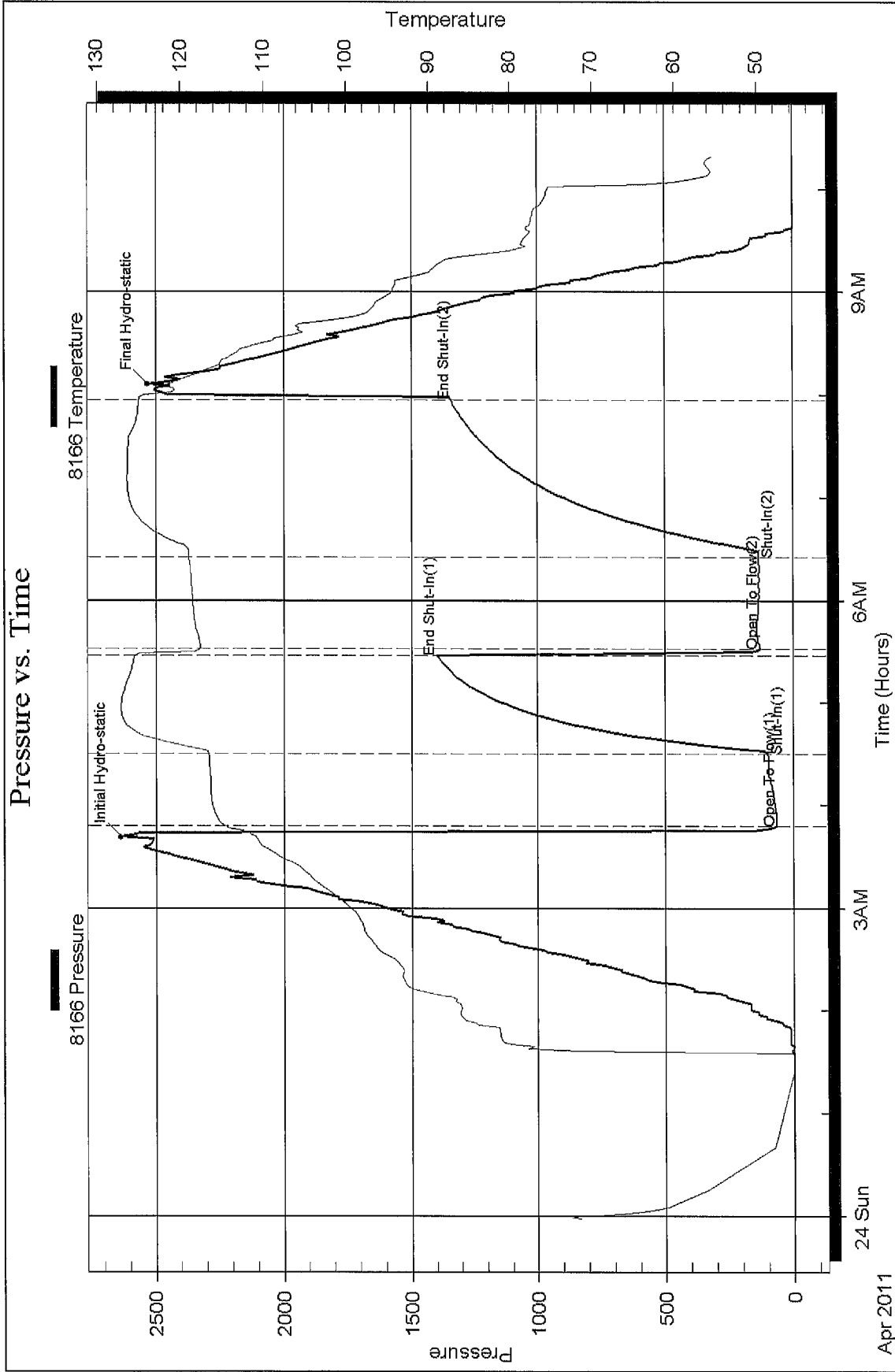
## Gas Rates Information

Temperature: 59 deg C  
Relative Density: 0.65  
Z Factor: 0.8

Gas Rates Table

Flow Period	Elapsed Time	Choke (mm)	Pressure (kPaa)	Gas Rate (m <sup>3</sup> /d)
1	15	0.25	2.00	26.02
1	20	0.25	7.00	33.95
1	25	0.25	7.00	33.95
1	30	0.25	8.00	35.54
1	35	0.25	9.00	37.12
1	40	0.25	9.00	37.12
1	45	0.25	9.00	37.12
2	1	0.25	13.00	43.47
2	15	0.25	8.00	35.54
2	30	0.25	5.00	30.78
2	45	0.25	3.00	27.60
2	60	0.25	2.00	26.02

### Pressure vs. Time



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

August 26, 2011

CARRIE RENNER  
Comanche Resources Company  
6520 N WESTERN AVE STE 300  
OKLAHOMA CITY, OK 73116-7334

Re: ACO-1  
API 15-033-21582-00-00  
Lohrding 8-1  
SE/4 Sec.08-31S-19W  
Comanche County, Kansas

Dear CARRIE RENNER:

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 04/14/2011 and the ACO-1 was received on August 26, 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