

KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION

Form ACO-1  
September 1999  
Form Must Be Typed

WELL COMPLETION FORM  
WELL HISTORY - DESCRIPTION OF WELL & LEASE

ORIGINAL

Operator: License # 33325  
Name: Petroleum Development Corporation  
Address: 120 Genesis Blvd., Charles Pointe, PO Box 26  
City/State/Zip: Bridgeport, WV 26330  
Purchaser: Riley Natural Gas Company  
Operator Contact Person: Larry Robbins  
Phone: (303) 303-8605822  
Contractor: Name: Western Well Drilling, LLC  
License: 33669  
Wellsite Geologist: N/A

API No. 15 - 023-20733-0000  
County: Cheyenne  
E2 SE NW Sec. 17 Twp. 2 S. R. 41  East  West  
1985 feet from S /  (circle one) Line of Section  
2260 feet from E /  (circle one) Line of Section  
Footages Calculated from Nearest Outside Section Corner:  
(circle one) NE SE  SW  
Lease Name: Gemaehlich Well #: 22-17  
Field Name: Cherry Creek Niobrara Gas Area  
Producing Formation: Niobrara

Designate Type of Completion:  
 New Well  Re-Entry  Workover  
 Oil  SWD  SLOW  Temp. Plug  
 Gas  ENHR  SIGW  
 Dry  Other (Core, WSW, Expl., Cathodic, etc)

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CONSERVATION DIVISION  
WICHITA, KS

Elevation: Ground: 3570' Kelly Bushing: 3575'  
Total Depth: 1630' Plug Back Total Depth: 1608'  
Amount of Surface Pipe Set and Cemented at 287' 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.

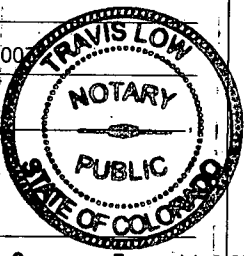
If Workover/Re-entry: Old Well Info as follows:  
Operator: \_\_\_\_\_  
Well Name: \_\_\_\_\_  
Original Comp. Date: \_\_\_\_\_ Original Total Depth: \_\_\_\_\_  
 Deepening  Re-perf.  Conv. to Enhr./SWD  
 Plug Back \_\_\_\_\_ Plug Back Total Depth: \_\_\_\_\_  
 Commingled \_\_\_\_\_ Docket No. \_\_\_\_\_  
 Dual Completion \_\_\_\_\_ Docket No. \_\_\_\_\_  
 Other (SWD or Enhr.?) \_\_\_\_\_ Docket No. \_\_\_\_\_  
12/10/06 12/12/06 03/26/07  
Spud Date or Date Reached TD Completion Date or Recompletion Date

Drilling Fluid Management Plan A+I NH 7-15-08  
(Data must be collected from the Reserve Pit)  
Chloride content 5000 ppm Fluid volume 50 bbls  
Dewatering method used Evaporation  
Location of fluid disposal if hauled offsite: \_\_\_\_\_  
Operator Name: \_\_\_\_\_  
Lease Name: \_\_\_\_\_ License No.: \_\_\_\_\_  
Quarter \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West  
County: \_\_\_\_\_ Docket No.: \_\_\_\_\_

**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.

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: Regulatory Agent Date: July 17, 2007  
Subscribed and sworn to before me this 17<sup>th</sup> day of July  
2007  
Notary Public: [Signature]  
Date Commission Expires: 7-5-09



**KCC Office Use ONLY**  
N Letter of Confidentiality Attached  
 If Denied, Yes  Date: \_\_\_\_\_  
 Wireline Log Received  
 Geologist Report Received  
 UIC Distribution

My Commission Expires July 5, 2009

Operator Name: Petroleum Development Corporation Lease Name: Gemaehlich Well #: 22-17  
 Sec. 17 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 copy of all Electric Wireline Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken  Yes  No  Log Formation (Top), Depth and Datum  Sample  
 (Attach Additional Sheets)  
 Samples Sent to Geological Survey  Yes  No Name Top Datum  
 Cores Taken  Yes  No Niobrara 1457'  
 Electric Log Run  Yes  No  
 (Submit Copy)

List All E. Logs Run:

DIL, CDL/CNL, CBL

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**JUL 18 2007**

CONSERVATION DIVISION

WICHITA, KS  
 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	9 7/8"	7"	17#	287'	Class "A"	75	2%gel,3%CaCl2
Production	6 1/4"	4-1/2"	10.5#	1627'	Dacotah	75	2% CaCl2

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 (Amount and Kind of Material Used)	Depth
2	1480'-1494'	500 gallons 15% HCl, 70 quality N2 foam, 337 bbls of Lightning 15# fluid system, 99220 lbs of 12/20 mesh Brady Sand, 4000 lbs CR4000 resin coated sand and 363 scf N2	1480'-94'

TUBING RECORD	Size	Set At	Packer At	Liner Run
	2-3/8"	1522'		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

Date of First, Resumed Production, SWD or Enhr.	Producing Method
04/09/2007	<input type="checkbox"/> Flowing <input checked="" 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
	0	84	14	n/a	

Disposition of Gas  Vented  Sold  Used on Lease (If vented, Sumit ACO-18.)  
 METHOD OF COMPLETION  Open Hole  Perf.  Dually Comp.  Commingled  
 Production Interval  Other (Specify)

# ALLIED CEMENTING CO., INC. 24479

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

SERVICE POINT: Oakley, KS  
All Times Central

DATE: <u>7-2-12-06</u>	SEC: <u>17</u>	TWP: <u>2S</u>	RANGE: <u>4E</u>	CALLED OUT	ON LOCATION: <u>12:45pm</u>	JOB START: <u>1:00pm</u>	JOB FINISH: <u>1:30pm</u>
LEASE: <u>General</u>	WELL# <u>22-17</u>	LOCATION: <u>St. Francis 2w - NW 27</u>			COUNTY: <u>Cherokee</u>	STATE: <u>KS</u>	
OLD OR NEW (Circle one) <u>NEW</u>		N-Rd w/ 12w-115 in					

CONTRACTOR Western Well Digs OWNER same

TYPE OF JOB Production String

HOLE SIZE \_\_\_\_\_ I.D. \_\_\_\_\_

CASING SIZE 4 1/2 10" 2 DEPTH 1604'

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

DRILL PIPE \_\_\_\_\_ DEPTH \_\_\_\_\_

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

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

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

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

PERIS \_\_\_\_\_

DISPLACEMENT 2.5.5 BBLs

EQUIPMENT \_\_\_\_\_

PUMP TRUCK # 102 CEMENTER Tuzzey

TRUCK # 218 DRIVER Mike

BULK TRUCK # \_\_\_\_\_ DRIVER \_\_\_\_\_

CEMENT AMOUNT ORDERED	<u>75 SKS ASC</u>	
<u>2 9/16" seal</u>		
COMMON	@	
POZMIX	@	
GEL	@ <u>16.65</u>	<u>16.65</u>
CHLORIDE	@	
ASC	@ <u>14.20</u>	<u>1065.00</u>
<u>Flt-seal 19"</u>	@ <u>2.00</u>	<u>38.00</u>
<u>Clamp 3</u>	@ <u>25.00</u>	<u>75.00</u>
HANDLING	@ <u>1.80</u>	<u>152.00</u>
MILEAGE <u>109730 x mile</u>		<u>720.00</u>
<b>TOTAL</b>		<b><u>2066.00</u></b>

REMARKS:

Mix 75 SKS ASC 2 9/16" seal 1 1/4" flt-seal.

Wash out pump lines

D-splice plug to latch down with 100 lb anchor 200 ft. 1100'

Load + held

Job complete @ 1:30 pm (KT)

Thanks Tuzzey crew

SERVICE

DEPTH OF JOB	<u>1604'</u>	
PUMP TRUCK CHARGE		<u>16.10.00</u>
EXTRA FOOTAGE	@	
MILEAGE <u>120</u>	@ <u>6.00</u>	<u>600.00</u>
MANIFOLD + Hand	@	<u>100.00</u>
<b>TOTAL</b>		<b><u>2310.00</u></b>

CHARGE TO: PDC

STREET \_\_\_\_\_

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

RECEIVED  
KANSAS CORPORATION COMMISSION

JUL 18 2007

To Allied Cementing Co., Inc.  
You are hereby requested to rent cementing equipment and furnish cementer and helper 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 & understand the "TERMS AND CONDITIONS" listed on the reverse side.

CONSERVATION DIVISION  
WICHITA, KS

PLUG & FLOAT EQUIPMENT

_____	@	
_____	@	
_____	@	
_____	@	
_____	@	
_____	@	

TAX		
TOTAL CHARGE	<u>3938.99</u>	
DISCOUNT <u>437.66</u>		
<b>TOTAL</b>	<b><u>4376.63</u></b>	

IF PAID IN 30 DAYS

SIGNATURE: [Signature]

PRINTED NAME \_\_\_\_\_

# ALLIED CEMENTING CO., INC.

25814

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

SERVICE POINT:

Oakley

DATE <u>12-10-06</u>	SEC. <u>17</u>	TWP. <u>20</u>	RANGE <u>41W</u>	CALLED OUT	ON LOCATION <u>3:15 PM</u>	JOB START <u>4:15 PM</u>	JOB FINISH <u>4:30 PM</u>
LEASE <u>Gemaehlich</u>	WELL# <u>22-17</u>	LOCATION <u>St Francis 2W-5N-5W-16N</u>		COUNTY <u>Chayama</u>	STATE <u>Kan</u>		
OLD OR NEW (Circle one)				<u>NEW</u>			

CONTRACTOR Western Well Dels

TYPE OF JOB Surface

HOLE SIZE 9 7/8 T.D. 285

CASING SIZE 7" DEPTH 281.88'

TUBING SIZE DEPTH

DRILL PIPE DEPTH

TOOL DEPTH

PRES. MAX MINIMUM

MEAS. LINE SHOE JOINT

CEMENT LEFT IN CSG.

PERFS.

DISPLACEMENT 11 1/4 BBL

OWNER Petroleum Development Corp

CEMENT AMOUNT ORDERED 75 SKS COMV  
3% CC - 2% Gel

COMMON	<u>75 SKS @ 12.20</u>	<u>915.00</u>
POZMX	@	
GEL	<u>1 SK @ 16.65</u>	<u>16.65</u>
CHLORIDE	<u>2 SKS @ 46.60</u>	<u>93.20</u>
ASC	@	

EQUIPMENT

PUMP TRUCK # 373 CEMENTER Walt HELPER Andrew

BULK TRUCK # 218 DRIVER Alan

BULK TRUCK # DRIVER

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CONSERVATION DIVISION  
WICHITA

HANDLING	<u>78 SKS @ 1.90</u>	<u>148.20</u>
MILEAGE	<u>94 per SK/mile</u>	<u>702.00</u>
TOTAL		<u>1482.55</u>

REMARKS:

Cement Did Cure

Thank You

SERVICE

DEPTH OF JOB		
PUMP TRUCK CHARGE		<u>815.00</u>
EXTRA FOOTAGE	@	
MILEAGE <u>100 miles</u>	@ <u>6.00</u>	<u>600.00</u>
MANIFOLD	@	
TOTAL		<u>1415.00</u>

CHARGE TO: Western Well Dels

STREET \_\_\_\_\_

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

PLUG & FLOAT EQUIPMENT

<u>7"</u>		
<u>1 - Centralizer</u>	@	<u>54.00</u>
	@	
	@	
	@	
	@	
TOTAL		<u>54.00</u>

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TAX \_\_\_\_\_

TOTAL CHARGE \_\_\_\_\_

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

SIGNATURE Norman Landphre

PRINTED NAME