

KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION

**ORIGINAL**

Form ACO-1  
September 1999  
Form Must Be Typed

**WELL COMPLETION FORM**  
**WELL HISTORY - DESCRIPTION OF WELL & LEASE**

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 ) 860-5800  
Contractor: Name: Schaal Drilling, Co. LLC & Advanced Drilling Technologies, LLC  
License: 33775 & 33532  
Wellsite Geologist: N/A

Designate Type of Completion:  
 New Well     Re-Entry     Workover  
 Oil     SWD     SLOW     Temp. Abd.  
 Gas     ENHR     SIGW  
 Dry     Other (Core, WSW, Expl., Cathodic, 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./SWD  
 Plug Back     Plug Back Total Depth  
 Commingled    Docket No. \_\_\_\_\_  
 Dual Completion    Docket No. \_\_\_\_\_  
 Other (SWD or Enhr.?)    Docket No. \_\_\_\_\_

<u>04/18/2007</u>	<u>04/21/2007</u>	<u>05/10/2007</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 023-20713-0000  
County: Cheyenne  
SE - NW - SE Sec. 18 Twp. 2 S. R. 41  East  West  
1905 feet from  N (circle one) Line of Section  
1740 feet from  W (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:  
(circle one) NE  NW SW  
Lease Name: Gemaehlich Well #: 33-18  
Field Name: Cherry Creek Niobrara Gas Area  
Producing Formation: Niobrara

Elevation: Ground: 3608' Kelly Bushing: 3620'  
Total Depth: 1729' Plug Back Total Depth: 1663'  
Amount of Surface Pipe Set and Cemented at 7 joints @ 297 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** Ait I NCR 1-23-09  
(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: October 31, 2007  
Subscribed and sworn to before me this 31 day of October,  
20 07.  
Notary Public: [Signature]  
Date Commission Expires: 8/11/09

**SARAH M GARRETT**  
Notary Public  
State of Colorado

My Commission Expires August 11, 2009

**KCC Office Use ONLY**

Letter of Confidentiality Received  
If Denied, Yes  Date: RECEIVED  
 Wireline Log Received  
 Geologist Report Received  
 UIC Distribution

**NOV 02 2007**  
KANSAS CORPORATION COMMISSION  
CONSERVATION DIVISION  
WICHITA, KS

Operator Name: Petroleum Development Corporation Lease Name: Gemaehlich Well #: 33-18  
 Sec. 18 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 <input type="checkbox"/> Yes <input checked="" 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 <i>(Submit Copy)</i>  List All E. Logs Run:  <b>DIL/CDL/CNL/GR and GR/VDL/CBL</b>	<input checked="" type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample  Name Top Datum Niobrara 1516'
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CASING RECORD <input checked="" 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	9 1/2"	7"	17#/ft	297'	Type I/II cement	80	
Production	6 1/4"	4 1/2"	10.5 #/ft	1686'	Type I/II	75	

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				

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 WICHITA, KS

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	1533-1545'	500 gal 15% HCL, 70 Quality N2 foam, 323 bbls Lightning 15# fluid system, 96000 lbs of 12/20 mesh Ottawa Sand, 4000 lbs CR4000 resin coated sand and 303 scf N2	1533-1545'

TUBING RECORD	Size	Set At	Packer At	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
	2 3/8"	1571'		

Date of First, Resumerd Production, SWD or Enhr. <b>August 30, 2007</b>		Producing Method <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	16	0	N/A	

Disposition of Gas  Vented  Sold  Used on Lease *(If vented, Submit ACO-18.)*

METHOD OF COMPLETION  Open Hole  Perf.  Dually Comp.  Commingled  Other (Specify) \_\_\_\_\_

Production Interval \_\_\_\_\_

SCHAAL DRILLING, CO.  
PO BOX 416  
BURLINGTON, CO. 80807  
719-346-8032

*Luis*  
*PDC*

**FIELD REPORT**  
**SURFACE CASING, DRILLING AND CEMENTING**

DRILLING DATE 4-18-07

WELL NAME & LEASE# Hemachlich 33-18

MOVE IN, RIG UP, DIG PITS ETC. DATE 4-17 TIME 3:15 AM (PM)

SPUD TIME 7:30 (AM) PM SHALE DEPTH 190 TIME 8:45 (AM) PM

HOLE DIA. 9 1/2" FROM 0 TO 290 TD, TIME 9:30 AM PM

CIRCULATE, T.O.O.H., SET 283.60 FT CASING 296.60 KB FT DEPTH

1 JOINTS 7" OD #/FT 14 15.5 (17) 20 23

PUMP 80 SAC CEMENT 442 GAL DISP. CIRC. 3 BBL TO PIT

PLUG DOWN TIME 11:00 (AM) PM DATE 4-18-07

CEMENT LEFT IN CSG. 30  
CENTRALIZER 1

TYPE : PORTLAND CEMENT III ASTM C 150  
CEMENT COST \$ 1309.06

ELEVATION 3608  
+12KB 3620

ELEC. \_\_\_\_\_ TRUCKS \_\_\_\_\_  
NITES \_\_\_\_\_  
2 WATER \_\_\_\_\_  
Schlepp PAY TO \_\_\_\_\_

**PIPE TALLY**

- 1. 40.70
- 2. 41.10
- 3. 40.50
- 4. 40.95
- 5. 40.80
- 6. 39.75
- 7. 39.80
- 8. \_\_\_\_\_
- 9. 283.60
- 10. \_\_\_\_\_
- 11. \_\_\_\_\_
- 12. \_\_\_\_\_
- 13. \_\_\_\_\_
- 14. \_\_\_\_\_

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