

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

Form ACO-1
September 1999
Form Must Be Typed

ORIGINAL

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>04/17/2007</u>	<u>04/18/2007</u>	<u>05/11/2007</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 023-20715-0000

County: Cheyenne

NE SE SE Sec. 18 Twp. 2 S. R. 41 East West

960 feet from N (circle one) Line of Section

395 feet from W (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:

(circle one) NE NW SW

Lease Name: Gemaehlich Well #: 44-18

Field Name: Cherry Creek Niobrara Gas Area

Producing Formation: Niobrara

Elevation: Ground: 3618' Kelly Bushing: 3630'

Total Depth: 1740' Plug Back Total Depth: 1693'

Amount of Surface Pipe Set and Cemented at 7 joints @ 299 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 Air I NCR 1-16-09
(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

KANSAS CORPORATION COMMISSION

NOV 02 2007

CONSERVATION DIVISION
WICHITA, KS

Operator Name: Petroleum Development Corporation Lease Name: Gemaehlich Well #: 44-18
 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: DIL/CDL/CNL/GR and GR/VDL/CBL	<input checked="" type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample Name Top Datum Niobrara 1530' <div style="text-align: right;"> RECEIVED KANSAS CORPORATION COMMISSION NOV 02 2007 CONSERVATION DIVISION WICHITA, KS </div>
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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	299'	Type I/II	83	
Production	6 1/4"	4 1/2"	10.5#/ft	1719'	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				

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	1546-1558'	500 gal 15% HCL, 70 Quality N2 foam,	1546-1558'
		326 bbls Lightning 15# fluid system,	
		96540 lbs of 12/20 mesh Ottawa Sand,	
		4000 lbs CR4000 resin coated sand and	
		308 scf N2	

TUBING RECORD	Size Set At	Packer At	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
	2 3/8" 1578'		

Date of First, Resumerd Production, SWD or Enhr. August 30, 2007	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	66	0 N/A

Disposition of Gas	METHOD OF COMPLETION	Production Interval
<input type="checkbox"/> Vented <input checked="" type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	<input type="checkbox"/> Open Hole <input checked="" type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <input type="checkbox"/> Other (Specify) _____	

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

Luis
PDC

FIELD REPORT
SURFACE CASING, DRILLING AND CEMENTING

DRILLING DATE 4-17-07

WELL NAME & LEASE# Gemsellich 44-18

MOVE IN, RIG UP, DIG PITS ETC. DATE 4-16-07 TIME 2:00 AM PM

SPUD TIME 7:30 AM PM SHALE DEPTH 210 TIME 8:30 AM PM

HOLE DIA. 9 1/2 FROM 0 TO 290 TD, TIME 9:00 AM PM

CIRCULATE, T.O.O.H., SET 285.73 FT CASING 298.73 KB FT DEPTH

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

PUMP 83 SAC CEMENT 445 GAL DISP. CIRC. 3 BBL TO PIT

PLUG DOWN TIME 10:15 AM PM DATE 4-17-07

CEMENT LEFT IN CSG. 30
CENTRALIZER 1

TYPE: PORTLAND CEMENT VII ASTM C 150
CEMENT COST \$ 1354.13

ELEVATION 3618
+12KB 3630

ELEC. _____ TRUCKS _____
NITES _____
1 WATER _____
Schlage PAY TO _____

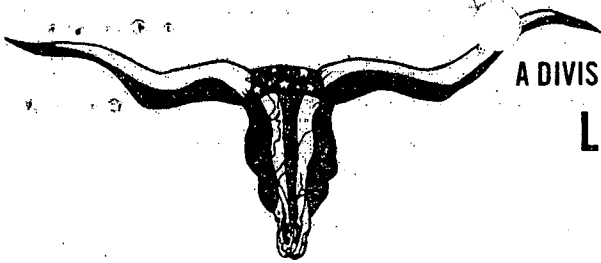
PIPE TALLY

- 1. 40.55
- 2. 40.83
- 3. 40.85
- 4. 40.90
- 5. 40.75
- 6. 40.85
- 7. 41.00
- 8. _____
- 9. 285.73
- 10. _____
- 11. _____
- 12. _____
- 13. _____
- 14. _____

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CONSERVATION DIVISION
WICHITA, KS



A DIVISION OF ADVANCED DRILLING TECHNOLOGIES, LLC.

LONGHORN CEMENTING CO.

P.O. BOX 203 YUMA, COLORADO 80759
 Phone: 970-848-0799 Fax: 970-848-0798

FIELD SERVICE TICKET
AND INVOICE

DATE 4/18/2007 TICKET NO. 1090

DATE OF JOB <u>4/18/2007</u>	DISTRICT	NEW WELL <input type="checkbox"/>	OLD WELL <input checked="" type="checkbox"/>	PROD <input type="checkbox"/>	INJ <input type="checkbox"/>	WDW <input type="checkbox"/>	CUSTOMER ORDER NO.:
CUSTOMER <u>PDC</u>	LEASE <u>GENERTHICK 44-18</u>	WELL NO.					
ADDRESS	COUNTY	STATE					
CITY	STATE	SERVICE CREW <u>VAN</u>					
AUTHORIZED BY	EQUIPMENT <u>112</u>						
TYPE JOB: <u>L/S</u>	DEPTH FT.	CEMENT DATA: BULK <input type="checkbox"/>			SAND DATA: SACKS <input type="checkbox"/>		TRUCK CALLED
		SACKS	BRAND	TYPE	% GEL	ADMIXES	DATE AM PM
SIZE HOLE: <u>6 7/8"</u>	DEPTH FT.	<u>75</u>	<u>M</u>	<u>IT</u>			ARRIVED AT JOB
SIZE & WT. CASTING <small>NEW OR USED</small>	DEPTH FT.						START OPERATION
SIZE & WT. D PIPE OR TUBING	DEPTH FT.						FINISH OPERATION
TOP PLUGS	TYPE	WEIGHT OF SLURRY: <u>16</u>		LBS. / GAL.	LBS. / GAL.		RELEASED
		VOLUME OF SLURRY					AM PM
		<u>75</u> SACKS CEMENT TREATED WITH <u>2</u> % OF <u>KCL</u>					MILES FROM STATION TO WELL
	MAX DEPTH <u>1701</u> FT.	MAX PRESSURE			P.S.I.		

CONTRACT CONDITIONS: (This contract must be signed before the job is commenced or merchandise is delivered).

The undersigned is authorized to execute this contract as an agent of the customer. As such, the undersigned agrees and acknowledges that this contract for services, materials, products, and/or supplies includes all of and only these terms and conditions appearing on the front and back of this document. No additional or substitute terms and/or conditions shall become a part of this contract without written consent or an officer of Advanced Drilling Technologies, LLC.

SIGNED: _____
(WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)

ITEM / PRICE REF. NUMBER	MATERIAL, EQUIPMENT AND SERVICES USED	UNIT	QUANTITY	UNIT PRICE	\$ AMOUNT
001-7	DEPTH CHARGE, MINERAL, Cement		1		43.00 ⁰⁶
300-12	7 1/2" CO. T PAIRED		1		36.44
400-7	CALCIUM CHLORIDE		1		50.00
400-4	KCL		3		60.40
					<u>4446.84</u>
1005	ZOBBS FLUENT				
1015	17 BBL'S CEMENT @ 15 PPG				
1025	27 BBL'S DISPLACEMENT				
1035	BUMP PLUG @ 2000 PSI				

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ACID DATA:			
GALLONS	%	ADDITIVES	
HCL			
HCL			

SUB TOTAL		
SERVICE & EQUIPMENT	%TAX ON \$	
MATERIALS	%TAX ON \$	
TOTAL		

SERVICE REPRESENTATIVE Van Walle THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY Sam K. Wallace
 FIELD SERVICE ORDER NO. _____ (WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)