

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: N/A  
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     SIOW     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>02/05/2008</u>	<u>02/06/2008</u>	<u>03/10/2008</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 023-20892-0000  
County: Cheyenne  
E2 SE NE Sec. 16 Twp. 3 S. R. 40  East  West  
1980 \_\_\_\_\_ feet from S /  (circle one) Line of Section  
330 \_\_\_\_\_ feet from  (circle one) W (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:  
(circle one)  NE    SE    NW    SW  
Lease Name: Bahn-Maier Well #: 42-16  
Field Name: Cherry Creek Niobrara Gas Area  
Producing Formation: Niobrara  
Elevation: Ground: 3318' Kelly Bushing: 3330'  
Total Depth: 1375' Plug Back Total Depth: 1324'  
Amount of Surface Pipe Set and Cemented at 6 joints @ 250 Feet  
Multiple Stage Cementing Collar Used?  Yes  No  
If yes, show depth set \_\_\_\_\_ Feet  
If Alternate II completion, cement circulated from \_\_\_\_\_  
feet depth to 141-Dig - 7/14/08 w/ \_\_\_\_\_ sx cmt.

**Drilling Fluid Management Plan**  
(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: June 25, 2008

Subscribed and sworn to before me this 25 day of June

20 08  
Notary Public: [Signature]  
Date Commission Expires: \_\_\_\_\_

**PAUL WHISENAND**  
NOTARY PUBLIC  
STATE OF COLORADO

My Commission Expires 03/27/2010

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

RECEIVED  
KANSAS CORPORATION COMMISSION  
JUN 30 2008

CONSERVATION DIVISION  
WICHITA, KS

Operator Name: Petroleum Development Corporation Lease Name: Bahn-Maier Well #: 42-16  
 Sec. 16 Twp. 3 S. R. 40  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>CDL, CNL, Dual Induction, CBL</b>	<input checked="" type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample  Name <u>Niobrara</u> Top <u>1170'</u> Datum _____          <div style="text-align: right;"> <b>RECEIVED</b>                      KANSAS CORPORATION COMMISSION   <b>JUN 30 2008</b>                       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	11"	7"	17#/ft	250'	Type I/II	64	
Production	6 1/8"	4 1/2"	10.5 #/ft	1336'	Type I/II	75	2% KCL

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
2	1194'-1206'	500 gal 15% HCL, 70 Quality N2 foam,	1194'-1206'
		354 bbls Lightning 15# fluid system,	
		93915 lbs of Ottawa 12/20 mesh sand	
		4000 lbs of SB Excel 12/20 resin coated sand	
		270 MSCF N2	

TUBING RECORD	Size	Set At	Packer At	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
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Date of First, Resumerd Production, SWD or Enhr. <b>Production Pending</b>	Producing Method <input type="checkbox"/> Flowing <input 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

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

SCHAAL DRILLING, CO.  
PO BOX 416  
BURLINGTON, CO. 80807  
719-346-8032  
FIELD REPORT  
SURFACE CASING, DRILLING AND CEMENTING

DRILLING DATE 2-05-08

WELL NAME & LEASE # Bahn/Maier 42-16

MOVE IN, RIG UP, DIG PITS ETC. DATE 2-04-08 TIME 12:00 AM PM

SPUD TIME 9:30 AM PM SHALE DEPTH 40 TIME 10:00 AM PM

HOLE DIA. 11 FROM 0 TO 242 TD TIME 2:00 AM PM

CIRCULATE, T.O.O.H., SET 236.58 FT CASING 249.58 KB FT DEPTH

6 JOINTS 7 OD #/FT 14 15.5 17 20 23

PUMP 64 SAC CEMENT 360 GAL.DISP. CIRC. 1 BBL TO PIT

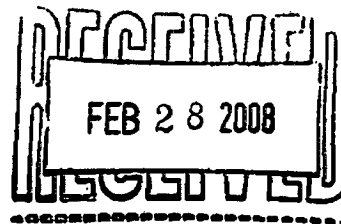
PLUG DOWN TIME 3:30 AM PM DATE 2-05-08

CEMENT LEFT IN CSG. 30 FT TYPE: PORTLAND CEMENT I/II ASTM C 150  
CENTRALIZER 1 CEMENT COST \$ 1234.75

ELEVATION 3318  
+12KB 3330

PIPE TALLY

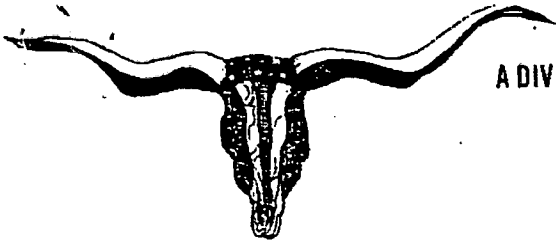
1. 39.15
  2. 38.85
  3. 39.15
  4. 39.05
  5. 41.23
  6. 39.15
  - 7.
  - 8.
  - 9.
  - 10.
  - 11.
  - 12.
  - 13.
  - 14.
  - 15.
  - 16.
- TOTAL 236.58



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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 2-7-08 TICKET NO. 1449

DATE OF JOB <u>2-7-08</u>	DISTRICT	NEW WELL <input checked="" type="checkbox"/>	OLD WELL <input type="checkbox"/>	PROD <input type="checkbox"/>	INJ <input type="checkbox"/>	WDW <input type="checkbox"/>	CUSTOMER ORDER NO.:	
CUSTOMER <u>PDC</u>	LEASE <u>Bahnmaier 42-16</u>	WELL NO.						
ADDRESS	COUNTY	STATE						
CITY	STATE	SERVICE CREW						
AUTHORIZED BY	EQUIPMENT <u>112</u>							
TYPE JOB: <u>Longhorn</u>	DEPTH FT.	CEMENT DATA: BULK <input type="checkbox"/>	SAND DATA: SACKS <input type="checkbox"/>	TRUCK CALLED		DATE	AM	TIME
		SACKS	BRAND	TYPE	% GEL	ADMIXES	ARRIVED AT JOB	
SIZE HOLE:	DEPTH FT.	<u>7.5</u>	<u>A</u>	<u>7-II</u>			START OPERATION	
SIZE & WT. CASTING <u>NEW USED 4 1/2</u>	DEPTH FT.						FINISH OPERATION	
SIZE & WT. D PIPE OR TUBING	DEPTH FT.						RELEASED	
TOP PLUGS	TYPE:	WEIGHT OF SLURRY: <u>15</u>	LBS. / GAL.	LBS. / GAL.	MILES FROM STATION TO WELL			
		VOLUME OF SLURRY						
<u>PBTD</u>	MAX DEPTH <u>13330ft.</u>	SACKS CEMENT TREATED WITH <u>2% OF KCL</u>		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
<u>col-2</u>	<u>Depth Charge Cement Mileage</u> <u>As per Contract</u>				<u>4300</u> <u>00</u>
<u>300-12</u>	<u>7" Centralizer</u>		<u>1</u>		<u>36</u> <u>44</u>
<u>400-2</u>	<u>calicum</u>		<u>100 lb</u>		<u>50</u> <u>00</u>
<u>400-4</u>	<u>KCL</u>		<u>100 lb</u>		<u>40</u> <u>30</u>
<u>0010</u>	<u>Mud Flush</u>	<u>20</u>			
<u>0020</u>	<u>Cement</u>	<u>18</u>			
<u>0030</u>	<u>Displacement</u>	<u>21.1</u>			
<u>0040</u>	<u>Bump plug @ 1400 psi</u>				

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FEB 28 2008

SUB TOTAL

ACID DATA:			
	GALLONS	%	ADDITIVES
HCL			
HCL			

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

THANK YOU

SERVICE REPRESENTATIVE: \_\_\_\_\_  
 THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY: \_\_\_\_\_  
 (WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)

FIELD SERVICE ORDER NO.