

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. \_\_\_\_\_

02/26/2008      02/29/2008      03/11/2008  
Spud Date or      Date Reached TD      Completion Date or  
Recompletion Date           Recompletion Date

API No. 15 - 023-20893-0000  
County: Cheyenne  
    
\_\_\_\_ NW \_\_\_\_ NW \_\_\_\_ SW Sec. 16 Twp. 3 S. R. 40  East  West  
2310 feet from  N (circle one) Line of Section  
330 feet from E /  W (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:  
(circle one) NE SE NW  SW  
Lease Name: Jensen Well #: 13-16  
Field Name: Cherry Creek Niobrara Gas Area  
Producing Formation: Niobrara  
Elevation: Ground: 3297' Kelly Bushing: 3309'  
Total Depth: 1330' Plug Back Total Depth: 1291'  
Amount of Surface Pipe Set and Cemented at 6 joints @ 253 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 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.: \_\_\_\_\_

*Alt 1 - Dig - 7/14/08*

**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 26, 2008  
Subscribed and sworn to before me this 26 day of June,  
20 08.  
Notary Public: [Signature]  
Date Commission Expires: \_\_\_\_\_  
My Commission Expires August 11, 2009

SARAH M GARRETT  
Notary Public  
State of Colorado

**KCC Office Use ONLY**  
 Letter of Confidentiality Received  
 If Denied, Yes  Date: \_\_\_\_\_ RECEIVED  
 Wireline Log Received KANSAS CORPORATION COMMISSION  
 Geologist Report Received  
 UIC Distribution  
JUN 30 2008  
CONSERVATION DIVISION  
WICHITA, KS

Operator Name: Petroleum Development Corporation Lease Name: Jensen Well #: 13-16

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  Yes  No  
(Attach Additional Sheets)

Samples Sent to Geological Survey  Yes  No

Cores Taken  Yes  No

Electric Log Run  Yes  No  
(Submit Copy)

List All E. Logs Run:

CDL, CNL, Dual Induction, CBL

Log Formation (Top), Depth and Datum  Sample

Name Top Datum  
Niobrara 1132'

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CONSERVATION DIVISION  
WICHITA, KS

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	253'	Type I/II	63	
Production	6 1/8"	4 1/2"	10.5 #/ft	1330'	Type I/II	75	2% KCL

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
___ Perforate				
___ Protect Casing				
___ Plug Back TD				
___ 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	1152'-1164'	500 gal 15% HCL, 70 Quality N2 foam, 347 bbls Lightning 15# fluid system, 96280 lbs of Ottawa 12/20 mesh sand 4000 lbs of SB Excel 12/20 resin coated sand 287.1 MSCF N2	1152'-1164'

TUBING RECORD	Size	Set At	Packer At	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

Date of First, Resumerd Production, SWD or Enhr.	Producing Method
Production Pending	<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) \_\_\_\_\_

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

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

DRILLING DATE 2-26-08

WELL NAME & LEASE # Jensen 13-16

MOVE IN, RIG UP, DIG PITS ETC. DATE 2-25-08 TIME 12:30 AM PM

SPUD TIME 8:00 AM PM SHALE DEPTH 15 TIME 8:15 AM PM

HOLE DIA. 11 FROM 0 TO 245 TD TIME 11:30 AM PM

CIRCULATE, T.O.O.H., SET 240.00 FT CASING 253.00 KB FT DEPTH

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

PUMP 63 SAC CEMENT 366 GAL.DISP. CIRC. 3 BBL TO PIT

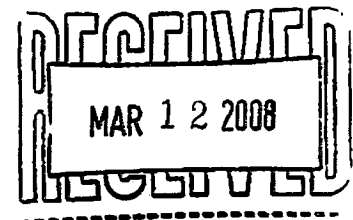
PLUG DOWN 1:00 AM PM DATE 2-26-08

CEMENT LEFT IN CSG. 30 FT TYPE: PORTLAND CEMENT I/II ASTM C 150  
CENTRALIZER 1 CEMENT COST \$ 1218.93

ELEVATION 3280  
+12KB 3292

PIPE TALLY

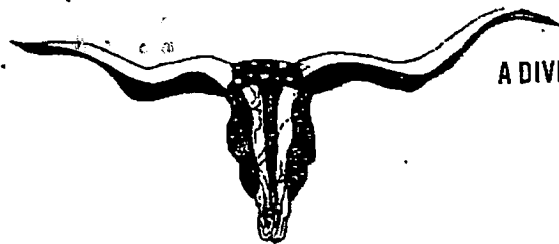
1. 38.91  
2. 38.24  
3. 38.36  
4. 39.00  
5. 42.76  
6. 42.73  
7.  
8.  
9.  
10.  
11.  
12.  
13.  
14.  
TOTAL 240.00



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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 2/26/08 TICKET NO. 1437

DATE OF JOB <u>2/26/08</u> DISTRICT			NEW WELL <input 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>Jensen 13-16</u>								WELL NO.:				
ADDRESS			COUNTY						STATE						
CITY			STATE						SERVICE CREW <u>VAR, TAM, DASON</u>						
AUTHORIZED BY			EQUIPMENT <u>212</u>												
TYPE JOB:	DEPTH	FT.	CEMENT DATA:			BULK	SAND DATA:			SACKS	TRUCK CALLED		DATE	AM	TIME
			SACKS	BRAND	TYPE	% GEL	ADMIXES				ARRIVED AT JOB				
SIZE HOLE:	DEPTH	FT.	<u>76</u>	<u>A</u>	<u>ECL</u>						START OPERATION				
SIZE & WT. CASTING	DEPTH	FT.									FINISH OPERATION				
SIZE & WT. D PIPE OR TUBING	DEPTH	FT.									RELEASED				
TOP PLUGS	TYPE:		WEIGHT OF SLURRY:			LBS. / GAL.	LBS. / GAL.	RELEASED							
			VOLUME OF SLURRY					MILES FROM STATION TO WELL							
			<u>75</u> SACKS CEMENT TREATED WITH <u>2</u> % OF <u>KCL</u>												
MAX DEPTH <u>1249</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
001-2	Mileage, DEPTH CHARGE, cement				4300 <sup>00</sup>
300-12	7" CENTRALIZER		1		3644
400-2	CALCIUM		50		50 <sup>00</sup>
400-9	KCL		100		4030
					4426 <sup>74</sup>
<div style="border: 1px solid black; padding: 5px; display: inline-block;">             MAR 12 2008           </div>					
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				KANSAS CORPORATION COMMISSION	
				JUN 30 2008	
1440	PUMP 20 BBLs FLUSH				CONSERVATION DIVISION
1445	PUMP 17.5 BBLs CEMENT @ 15.00				WICHITA, KS
1445	PUMP 34.6 BBLs DISPLACE WEL				
2005	BUMP PLUG @ 2000 PSI				
SUB TOTAL					
ACID DATA:		SERVICE & EQUIPMENT			% TAX ON \$
	GALLONS	%	ADDITIVES	MATERIALS	% TAX ON \$
HCL					
HCL					
TOTAL					4426 <sup>74</sup>

SERVICE REPRESENTATIVE \_\_\_\_\_  
 FIELD SERVICE ORDER NO. \_\_\_\_\_

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