



Operator Name: Petroleum Development Corporation Lease Name: Culwell Well #: 42-8  
 Sec. 8 Twp. 5 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:  CDL, CNL, Dual Induction, CBL	<input checked="" type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample  Name Top Datum Niobrara 1401'   <div style="text-align: right;"> <b>RECEIVED</b>  <b>KANSAS CORPORATION COMMISSION</b>   <b>FEB 04 2009</b>   <b>CONSERVATION DIVISION</b>  <b>WICHITA, KS</b> </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#	412'	Type I/II	108	
Production	6 1/8"	4 1/2"	10.5 #	1572'	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 (Amount and Kind of Material Used)	Depth
2	1424'-1436'	500 gals 7.5% HCL, 70 Quality N2 foam,	1424'-1436'
		86 bbls 25# pad, 243 bbls fluid system,	
		96000 lbs of Daniels 16/30 mesh sand	
		3800 lbs of Ceramax 16/30 resin coated sand	
		390 MSCF N2	

TUBING RECORD	Size 2 3/8"	Set At 1458'	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. 09/23/2008	Producing Method <input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)
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Estimated Production Per 24 Hours	Oil Bbls. 0	Gas Mcf 80	Water Bbls. 13	Gas-Oil Ratio n/a	Gravity
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Disposition of Gas METHOD OF COMPLETION Production Interval

Vented  Sold  Used on Lease  Open Hole  Perf.  Dually Comp.  Commingled  
*(If vented, Submit ACO-18.)*  Other (Specify)

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

DRILLING DATE 3-26-08

WELL NAME & LEASE # Culwell 42-8

MOVE IN, RIG UP, DIG PITS ETC. DATE 3-25-08 TIME 2:00 AM PM

SPUD TIME 7:00 AM PM SHALE DEPTH 325 TIME 9:30 AM PM

HOLE DIA. 11 FROM 0 TO 404 TD TIME 10:30 AM PM

CIRCULATE, T.O.O.H., SET 399.00 FT CASING 412.00 KB FT DEPTH

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

PUMP 108 SAC CEMENT 660 GAL.DISP. CIRC. 3 BBL TO PIT

PLUG DOWN TIME 11:45 AM PM DATE 3-26-08

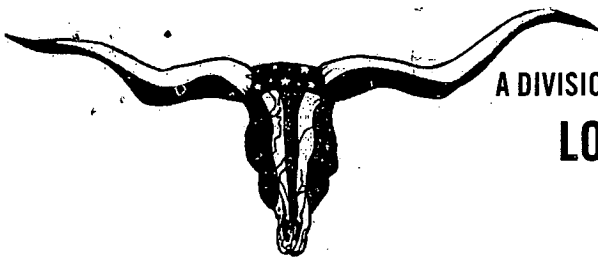
CEMENT LEFT IN CSG. 20 FT TYPE: PORTLAND CEMENT I/II ASTM C 150  
CENTRALIZER 1 CEMENT COST \$ 2069.28

ELEVATION 3662  
+12KB 3674

PIPE TALLY

1. 39.20  
2. 39.20  
3. 38.20  
4. 39.20  
5. 39.10  
6. 39.00  
7. 39.10  
8. 43.50  
9. 43.50  
10. 39.00  
11.  
12.  
13.  
14.  
15.  
TOTAL 399.00

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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 3/30/09 TICKET NO. 1552

DATE OF JOB <u>3/30/09</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>Culwell 42-8</u>					WELL NO.	
ADDRESS		COUNTY			STATE			
CITY		STATE		SERVICE CREW <u>Brad &amp; Michael</u>				
AUTHORIZED BY		EQUIPMENT <u>111</u>						
TYPE JOB: <u>6" casing</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"</u>	DEPTH FT.	<u>75</u>	<u>H</u>	<u>1H</u>			ARRIVED AT JOB	
SIZE & WT. CASTING <u>NEW 8"</u>	DEPTH FT.						START OPERATION	
SIZE & WT. D PIPE OR TUBING	DEPTH FT.						FINISH OPERATION	
TOP PLUGS	TYPE:	WEIGHT OF SLURRY: <u>15.4</u>		LBS <sub>2</sub> / GAL.	LBS. / GAL.		RELEASED	
		VOLUME OF SLURRY <u>17 cu ft</u>						
<u>1527</u>	MAX DEPTH <u>1590</u> FT.	MAX PRESSURE		P.S.I.		MILES FROM STATION TO WELL		

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	Depth Change Cement, 111, beige				4200
300-1	7" Centralizer	1		36.44	36.44
400-2	Calwin	50			50
500-04	KCL	150			60.45
					4396.89
	Frack for 5" L 26 LLS				
	Cement 17.5 LLS				
	Dispersant 24.7 LLS				
	PH 2000 @ 2000 lbs, 2000 lbs				

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ACID DATA:			
	GALLONS	%	ADDITIVES
HCL			
HCL			

SERVICE & EQUIPMENT	% TAX ON \$
MATERIALS	% TAX ON \$
<b>TOTAL</b>	

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

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