

STATE CORPORATION COMMISSION OF KANSAS  
OIL & GAS CONSERVATION DIISION  
WELL COMPLETION FORM  
ACO-1 WELL HISTORY  
DESCRIPTION OF WELL AND LEASE

API NO. 15 - 075-20791 Docket No. E-28,043

County Hamilton  
Ap. N/2 - NW - NE - NW Sec. 14 Twp. 21 Rge. 41 X E W

Operator: License # 32971

Name: Dominion Oklahoma Texas E&P, Inc.

Address: Suite 600  
14000 Quail Springs Parkway

City/State/Zip Oklahoma City, OK 73134

Purchaser: NA

Operator Contact Person: Lenora Sawyer

Phone (405) 748-2725

Contractor: Name Cheyenne Drilling

License: 5382

Wellsite Geologist: NA

Designate Type of Completion  
 New Well  Re-Entry  Workover

Oil  SWD  SLOW  Temp. Abd.  
 Gas  ENHR  SIGW  
 Dry  Other (Core, WSW, Exp. Control, etc.)

If Workover:

Operator: Lenora Sawyer

Well Name: CONSERVATION DIVISION

Comp. Date 7/25/02 Old Total Depth WICHITA, KS

Deepening  Re-perf.  Conv. To Inj/SWD  
 Plug Back  PBDT  
 Commingled  Docket No.                       
 Dual Completion  Docket No.                       
 Other (SWD or Inj?)  Docket No. E-28,043

7/25/02 7/27/02 7/31/02  
Spud Date Date Reached TD Completion Date

165' Feet from S / N (circle one) Line of Section  
1596' Feet from E / W (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:  
NE SE NW or SW (circle one)

Lease Name HCU 1411 Well # SWD

Field Name Bradshaw

Producing Formation Council Grove

Elevation: Ground 3622.1' KB 3627'

Total Depth 3210' PBDT 3158'

Amount of Surface Pipe Set and Cemented at 352' Feet

Multiple Stage Cementing Collar Used?  Yes  No

If yes, show depth set                      Feet

If Alternate II completion, cement circulated from 3210'

feet depth to Surface w/ 500 sx cmt

Drilling Fluid Management Plan Well E-28,043 9.6.02  
(Data must be collected from the Reserve Pit)

Chloride content 47000 ppm Fluid volume 800 bbls

Dewatering method used Evaporation

Location of fluid disposal if hauled offsite:                     

Operator Name                     

Lease Name                      License No.                     

                     Quarter Sec.                      Twp.                      S Rng.                      E / W

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 on 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 CD-4 form with all plugged wells. Submit CP-111 with all temporarily abandoned wells.

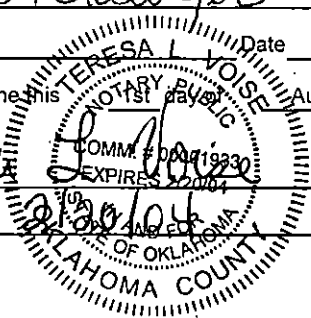
All requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully compiled with and the statements herein are complete and correct to the best of my knowledge.

Signature Lenora Sawyer  
Title Regulatory Specialist Date 8/1/02

Subscribed and sworn to before me this 1st day of August  
20 02

Notary Public Terese J. Voigt

Date Commission Expires                     



K.C.C. OFFICE USE ONLY  
F  Letter of Confidentiality Attached  
C  Wireline Log Received  
C  Geologist Report Received  
Distribution  
KCC  SWD/Rep NGPA  
KGS  Plug Other (Specify)

Operator Name Dominion Oklahoma Texs E&P, Inc. Lease Name HCU 1411 Well # SWD  
 Sec. 14 Twp. 21 Rge. 41  East  
 West County Hamilton

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all drill stem 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 during test. Attach extra sheet if more space is needed. Attach copy of log.

Drill Stem Tests Taken  Yes  No  Log Formation (Top), Depth and Datum  Sample  
 (Attach Additional Sheets.) Name Top Datum  
 Samples Sent to Geological Survey  Yes  No  
 Cores Taken  Yes  No See Attached Sheet  
 Electric Log Run  Yes  No  
 (Submit Copy.)

List All E.Logs Run:

Gamma Ray - Collar Log

MIT witnessed by KCC representative, Kevin Strube on 7/31/02.

CASING RECORD

New  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	12-1/4"	8-5/8"	23#	352'	65/35 Lt. Poz Cl "H"	70 100	2%cc+1/4#flocele 2%cc+1/4#flocele
Production	7-7/8"	5-1/2"	15.5#	3210'	Cl "C"	250	3%D79,0.2%D46 0.25 pps D29
					CL "C"	250	2%S1+0.25 pps D29

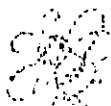
ADDITIONAL CEMENTING/SQUEEZE RECORD

Purpose:	Depth		Type of Cement	#Sacks Used	Type and Percent Additives
	Top	Bottom			
<input type="checkbox"/> Perforate					
<input type="checkbox"/> Protect Casing					
<input type="checkbox"/> Plug Back TD					
<input type="checkbox"/> Plug Off Zone					

Shots Per Foot	PERFORATON RECORD - Bridge Plugs Set/Type		Acid, Fracture, Shot, Cement Squeeze Record	
	Specify Footage of Each Interval Perforated		(Amount and Kind of Materials Used)	Depth
4 spf	3042-3128'		Acidize down tubing w/6000 gal 15% HCl acid + 90 bbls lease water w/ball sealers. Flush w/150 bbls. Lease water.	3042- 3128'

TUBING RECORD		Size	Set At	Packer At	Liner Run
		2-7/8"	3015'	3015'	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumed Production, SWD or Inj:			Producing Method <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input checked="" type="checkbox"/> Other (Explain)		
Estimated Production Per 24 Hours	Oil	Bbls	Gas	Mcf	Water Bbls. Gas-Oil Ratio Gravity

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) SWD



15.075.20791.0000

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AUG 02 2002

ORIGINAL

DRILLER'S LOG

DOMINION EXPLORATION AND PRODUCTION  
HCU 14-11 SWD  
SECTION 14-T21S-R41W  
HAMILTON COUNTY, KANSAS

CONSERVATION DIVISION  
WICHITA, KS

COMMENCED: 07-25-02  
COMPLETED: 07-27-02

SURFACE CASING: 352' OF 8 5/8"  
CMTD W/70 SKS POZ C + 2% CC +  
1/4#/SK FLOCELE. TAILED W/100  
SKS CLASS C + 2% CC + 1/4#/SK  
FLOCELE

FORMATION	DEPTH
SURFACE HOLE	0 - 352
RED BED, SANDSTONE & CLAY	352 - 1503
RED BED	1503 - 3210 RTD

I DO HEREBY CERTIFY THAT THE FOREGOING STATEMENTS ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

CHEYENNE DRILLING, INC.

WRAY VALENTINE

STATE OF KANSAS: ss:

SUBSCRIBED AND SWORN TO BEFORE ME THIS 30TH DAY OF JULY, 2002.

JOLENE K. RUSSELL

NOTARY PUBLIC



AUG 02 2002

ORIGINAL

CONSERVATION DIVISION  
WICHITA, KS

2002-Jul-24



Service Order

Customer <b>CHEYENNE DRILLING</b>		Person Taking Call <b>Gamborn, Charles</b>		Derrick Location <b>Ulysses, KS</b>		Order Date <b>2002-Jul-25</b>		Job Number <b>2205440450</b>				
Well Name and Number <b>ACU 14-11</b>			Legal Location <b>35-17S-40W</b>		Field		County <b>greely</b>		State/Province <b>ks</b>			
Well Identifier <b>069043585B</b>			API / UWI:									
Rig Name <b>Cheyenne Rig 11</b>		Well Age <b>New</b>		Sales Engineer <b>Roach, Daniel</b>			Job Type <b>Cem Surface Casing</b>					
Time Well Ready:		Deviation		Bit Size <b>in</b>		Well MD <b>ft</b>		Well TVD <b>ft</b>		BHP <b>psi</b>	BHST <b>°F</b>	BHCT <b>°F</b>
Treat Down <b>Casing</b>		Packer Type		Packer Depth <b>ft</b>		Wellhead Connection		HHP on Location		Max Allowed Pressure		Max Allowed Ann Pressure
Casing					Services Instructions: Safety Cement Surface Casing per customers request.							
Depth, ft	Size, in	Weight, lb/ft	Grade	Thread								
Tubing					Extra Equipment: * SLB TO PROVIDE THIS FLOAT EQUIPMENT* 2 - 8 5/8" Regular Centralizers (1 1/2" Bow) 1 - 8 5/8" Top Plug (Plastic) 1 - Thread Lock Kit 1 - 8 5/8" Insert Float, Flapper type							
Depth,	Size, in	Weight, lb/ft	Grade	Thread								
Perforated Intervals												
Top, ft	Bottom, ft	spf	No. of Shots	Total Interval <b>ft</b>								
				Diameter <b>in</b>								
Expected On Location:					Ready To Pump:							

Contact	Voice	Mobile	FAX	Notes
Cheyenne Drilling				

Notes:

8 5/8" Casing  
8 5/8 Cement Head and top plug & swedge  
8 5/8 set at 350

Directions:

Syracuse - 17 N - 1 3/4 W - S into

Other Notes:

ORIGINAL

Comments:

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**Fluid Systems:**

Lead			
70 Sacks 35/65 LPS/Class "C" Cement + 6% D20 + 2% S1 + 1/4 lb/sk D29			
Density:	122 lb/gal	Thickening Time:	+7 hrs
Yield:	2.17 ft <sup>3</sup> /sk		
H2O Mix:	11,878 gal/sk		
H2O:	831.46 gal	Eq. Sack Weight:	89.75 lb
		Total Blend:	70 sacks
Dowell Code	Conc/ Amount	Total Quantity	
S001	2 % BWOB	124.25	
D029	0.25 lbs/sk	17.5	
D020	6 % BWOB	372.75	
D132	27.65 lbs/sk	1935.5	
D903	61.1 lbs/sk	4277	

CONSERVATION DIVISION  
WICHITA, KS

Tail			
100 Sacks Class "C" Cement + 2% S1 + 1/4 lb/sk D29			
Density:	14.8 lb/gal	Thickening Time:	+4 hrs
Yield:	1.34 ft <sup>3</sup> /sk		
H2O Mix:	6.33 gal/sk		
H2O:	633 gal	Eq. Sack Weight:	94 lb
		Total Blend:	100 sacks
Dowell Code	Conc/ Amount	Total Quantity	
D029	0.25 lbs/sk	25	
S001	2 % BWOB	188	
D903	94 lbs/sk	9400	

**Schlumberger**

**Cementing Service Report**

ORIGINAL

CUSTOMER *Dominion/Cheyenne Drilling* Job Number *2205440450*

Well <i>HCU 14-11</i>	Location (Legal) <i>35-175-40W</i>	Schlumberger Location <i>Ulysses, KS</i>	Job Start <i>1430</i>						
Field	Formation Name/Type	Deviation	Well MD <i>320 ft</i>						
Course <i>Greely</i>	State/Province <i>Ks</i>	ESPT <i>psi</i>	Well TVD <i>320 ft</i>						
Well Master	API/UMI	Casing/Liner							
Rig Name <i>Cheyenne Rig B</i>	Drilled For <i>SWD</i>	Service Via	Depth, ft <i>320</i>						
Offshore Zone	Well Class <i>New</i>	Well Type <i>Development</i>	Size, in <i>15 1/2</i>						
Drilling Fluid Type <i>Other</i>	Max. Density <i>9.3</i>	Plastic Viscosity <i>33 cp</i>	Weight, lb/ft <i>155</i>						
Service Line <i>Cementing</i>	Job Type <i>Cement Prod Casing</i>	Tubing/Drill Pipe							
Max. Allowed Tubing Pressure <i>psi</i>	Max. Allowed Ann. Pressure <i>psi</i>	Wellhead Connection	Grade <i>6RD</i>						
Service Instructions <i>Safely Cement Surface Casing per customers request.</i>		Perforations/Open Hole							
		Top, ft	Bottom, ft						
		sqf	No. of Shots						
		Total Interval <i>ft</i>							
		Truss Down <i>Casing</i>	Displacement <i>19.7</i>						
		Tubing Vol. <i>bbbl</i>	Casing Vol. <i>bbbl</i>						
		Packer Type	Packer Depth <i>ft</i>						
		Annular Vol. <i>23.0 bbl</i>	Openhole Vol. <i>bbbl</i>						
Casing/Tubing Secured <input checked="" type="checkbox"/>		1 Hole Volume Circulated prior to Cementing <input type="checkbox"/>							
Lift Pressure <i>psi</i>		Casing Tools							
Pipe Ratched <input type="checkbox"/>		Shoe Type <i>Guide</i>	Squeeze Job						
No. Centralizers <i>2</i>		Shoe Depth	Tool Type						
Top Plug <i>1</i>		Stage Tool Type	Tool Depth <i>ft</i>						
Bottom Plug		Stage Tool Depth <i>R</i>	Tail Pipe Size <i>in</i>						
Cement Head Type <i>Single</i>		Collar Type <i>None</i>	Tail Pipe Depth <i>ft</i>						
Job Scheduled For		Collar Depth <i>ft</i>	Stage Total Vol. <i>bbbl</i>						
Arrived on Location <i>0600</i>		Leave Location <i>1630</i>							
Date	Time	Tracing Pressure	Flow Rate	Density	Volume	0	0	0	Message
<i>7-25-02</i>	<i>24 hr clock</i>	<i>psi</i>	<i>bbbl/min</i>	<i>lb/gal</i>	<i>bbbl</i>	0	0	0	
<i>7-25-02/1430</i>	<i>1435</i>	<i>0</i>	<i>0.0</i>	<i>12.4</i>	<i>0.0</i>	0	0	0	<i>Test lines to 500 psi</i>
	<i>1451</i>	<i>5</i>	<i>4</i>	<i>12.4</i>	<i>0.0</i>	0	0	0	<i>Start lead out</i>
	<i>1452</i>	<i>0</i>	<i>4</i>	<i>14.8</i>	<i>0.0</i>	0	0	0	<i>E.N.D. Lead</i>
	<i>1453</i>	<i>0</i>	<i>4</i>	<i>14.8</i>	<i>0.0</i>	0	0	0	<i>Start Tail</i>
	<i>1458</i>	<i>0</i>	<i>4</i>	<i>14.8</i>	<i>0.0</i>	0	0	0	<i>End Tail</i>
	<i>1500</i>	<i>0</i>	<i>0.0</i>	<i>9.34</i>	<i>0.0</i>	0	0	0	<i>Drop Plug</i>
	<i>1503</i>	<i>0</i>	<i>0.0</i>	<i>9.34</i>	<i>0.0</i>	0	0	0	<i>Start displacement</i>
		<i>0.0</i>	<i>0.0</i>		<i>0.0</i>	0	0	0	<i>Drop Plug 1000 psi</i>
		<i>0.0</i>	<i>0.0</i>		<i>0.0</i>	0	0	0	
		<i>0.0</i>	<i>0.0</i>		<i>0.0</i>	0	0	0	<i>Cement to Surface</i>
		<i>0.0</i>	<i>0.0</i>		<i>0.0</i>	0	0	0	<i>at 1502-</i>
		<i>0.0</i>	<i>0.0</i>		<i>0.0</i>	0	0	0	<i>6-3.0-15-cmt</i>
		<i>0.0</i>	<i>0.0</i>		<i>0.0</i>	0	0	0	<i>to surface</i>
<b>RECEIVED</b>									
KANSAS CORPORATION COMMISSION									
<b>AUG 02 2002</b>									
CONSERVATION DIVISION									
WICHITA, KS									

AUG 02 2002



Cementing Service Report

ORIGINAL

Customer Dominion Exploration & Production		CONSERVATION DIVISION WICHITA, KS			Job Number 2205440546				
Well HCU SWD 1411		Location (Legal) 14-21S-41W		Schlumberger Location Ulysses, KS		Job Start			
Field		Formation Name/Type		Deviation	Bit Size in	Well MD 3,210 ft			
Country HAMILTON		State/Province KS		BHP psi	BHST °F	BHCT °F			
Well Master: 0630435868		API / UWI:		Casing/Liner					
Rig Name		Drilled For Disposal		Service Via Land		Depth, ft 3210			
Offshore Zone		Well Class New		Well Type Other		Size, in 5.5			
Drilling Fluid Type Other		Max. Density 9.3 lb/gal		Plastic Vt. cp 33		Weight, lb/ft 15.5			
Service Line Cementing		Job Type Cem Prod Casing		Grade K55					
Max. Allowed Tubing Pressure 1000 psi		Max. Allowed Ann. Pressure psi		Wellhead Connection 5.5 cement head		Thread 8RD			
Service Instructions CEMENT PRODUCTION STRING AS PER DOMINION REQUEST									
Casing/Tubing Secured <input checked="" type="checkbox"/>		1 Hole Volume Circulated prior to Cementing <input type="checkbox"/>		Casing Tools		Squeeze Job			
Lift Pressure: psi		Pipe Rotated <input type="checkbox"/>		Pipe Reciprocated <input type="checkbox"/>		Shoe Type: Guide			
No. Centralizers: 12		Top Plugs: 1		Bottom Plugs:		Squeeze Type			
Cement Head Type:		Job Scheduled For: 2002-Jul-27		Arrived on Location: 4:00		Leave Location:			
Stage Tool Type:		Stage Tool Depth: ft		Tail Pipe Size: in		Tool Type:			
Casing Depth: ft		Casing Type: Auto-Fill		Tail Pipe Depth: ft		Tool Depth: ft			
Casing Depth: ft		Casing Depth: ft		Seq. Total Vol: bbl		Seq. Total Vol: bbl			
Date	Time	Trusting Pressure psi	Flow Rate bbl/min	Density lb/gal	Volume bbl	0	0	0	Message
2002-Jul-27	8:18	-15	0.0	8.30	0.0	0	0	0	
2002-Jul-27	8:19	-10	0.0	8.30	0.0	0	0	0	
2002-Jul-27	8:19	4	0.2	8.30	0.0	0	0	0	
2002-Jul-27	8:19								Pressure Test Lines
2002-Jul-27	8:20	567	0.2	8.30	0.2	0	0	0	
2002-Jul-27	8:20								Bleed Off Pressure
2002-Jul-27	8:20	960	0.0	8.30	0.3	0	0	0	
2002-Jul-27	8:21	31	0.0	8.30	0.3	0	0	0	
2002-Jul-27	8:21	8	0.0	8.30	0.3	0	0	0	
2002-Jul-27	8:21								Reset Total, Vol = 0.25 bbl
2002-Jul-27	8:22	8	0.0	8.30	0.3	0	0	0	
2002-Jul-27	8:22								Start Pumping Water
2002-Jul-27	8:22	4	0.0	8.30	0.3	0	0	0	
2002-Jul-27	8:22	166	3.0	8.30	0.6	0	0	0	
2002-Jul-27	8:22								Reset Total, Vol = 0.33 bbl
2002-Jul-27	8:22	159	4.0	8.30	0.8	0	0	0	
2002-Jul-27	8:22								Reset Total, Vol = 0.17 bbl
2002-Jul-27	8:22	242	5.6	8.30	2.8	0	0	0	
2002-Jul-27	8:23	246	5.6	8.20	7.5	0	0	0	
2002-Jul-27	8:24	260	5.7	9.29	9.9	0	0	0	
2002-Jul-27	8:24								Reset Total, Vol = 9.93 bbl
2002-Jul-27	8:24								Reset Total, Vol = 0.76 bbl

ORIGINAL

Well		HCU SWD #1411		Field		Service Date		Customer		Job Number	
Date	Time	Treading Pressure	Flow Rate	Density	Volume	Service Date	Customer	Demerison Explanation & Production	Message		
	24 hr. clock	psi	gpm/min	lb/gal	bbbl						
2002-Jul-27	8:24	283	5.7	10.20	10.7				End Water		
2002-Jul-27	8:24										
2002-Jul-27	8:24	283	5.7	10.31	11.0						
2002-Jul-27	8:24	297	5.7	11.27	11.6				Start Mixing Lead Slurry		
2002-Jul-27	8:24										
2002-Jul-27	8:24	274	5.7	12.57	12.2						
2002-Jul-27	8:25	301	5.7	11.05	17.0						
2002-Jul-27	8:26	301	5.8	11.92	21.7						
2002-Jul-27	8:27	292	5.8	11.19	26.5						
2002-Jul-27	8:27	274	5.8	11.24	31.3						
2002-Jul-27	8:28	255	5.8	11.35	36.2						
2002-Jul-27	8:29	237	5.8	11.15	41.0				RECEIVED		
2002-Jul-27	8:30	228	5.8	11.05	45.8				KANSAS CORPORATION COMMISSION		
2002-Jul-27	8:31	228	5.8	11.33	50.7						
2002-Jul-27	8:32	191	5.8	11.11	55.6						
2002-Jul-27	8:32	187	5.9	11.07	60.6						
2002-Jul-27	8:33	164	5.9	11.42	65.4				AUG 02 2002		
2002-Jul-27	8:34	159	5.9	11.16	70.3						
2002-Jul-27	8:35	146	5.9	11.28	75.2				CONSULTATION DIVISION		
2002-Jul-27	8:36	132	5.9	11.11	80.2				WICHITA, KS		
2002-Jul-27	8:37	81	5.7	10.92	85.1						
2002-Jul-27	8:37	109	5.4	11.24	89.6						
2002-Jul-27	8:38	100	5.4	11.40	94.1						
2002-Jul-27	8:39	91	5.4	10.83	99.5						
2002-Jul-27	8:40	114	5.4	11.27	103.1						
2002-Jul-27	8:41	182	5.9	11.14	107.9						
2002-Jul-27	8:42	196	5.8	11.02	112.8						
2002-Jul-27	8:42	255	5.9	11.30	117.6						
2002-Jul-27	8:43	260	5.9	11.21	122.5						
2002-Jul-27	8:44	251	5.9	11.16	127.5						
2002-Jul-27	8:45	265	5.9	11.14	132.4				End Lead Slurry		
2002-Jul-27	8:46	274	5.8	11.05	137.2						
2002-Jul-27	8:47	265	5.8	10.86	142.1						
2002-Jul-27	8:47										
2002-Jul-27	8:47	274	5.8	12.03	143.8				Start Mixing Tail Slurry		
2002-Jul-27	8:47	283	5.9	12.16	144.0				Reset Total, Vol = 133.84 bbl		
2002-Jul-27	8:47										
2002-Jul-27	8:47	287	5.6	12.46	144.5						
2002-Jul-27	8:47	283	5.9	12.69	144.9				Reset Total, Vol = 0.39 bbl		
2002-Jul-27	8:47	329	6.1	13.72	2.1						
2002-Jul-27	8:48	406	6.6	14.53	7.5						
2002-Jul-27	8:49	370	6.6	14.84	13.0						
2002-Jul-27	8:50	173	5.8	14.35	19.3						
2002-Jul-27	8:51	146	4.7	14.65	23.5						
2002-Jul-27	8:52	191	6.6	14.02	28.0						
2002-Jul-27	8:52	219	6.6	14.69	33.2						
2002-Jul-27	8:53	123	4.6	14.61	38.5						
2002-Jul-27	8:54	178	5.8	14.79	43.2						
2002-Jul-27	8:55	242	6.6	14.90	48.5						
2002-Jul-27	8:56	324	7.8	14.95	54.2						
2002-Jul-27	8:57	251	7.6	13.33	60.8						
2002-Jul-27	8:57	-24	0.0	13.07	60.8						



Well	Field	Service Date	Customer	Job Number	
HCU SWD #1411			Domain Exploration & Production	220546346	
Date	Time	Flow Rate	Density	Volume	Message
2002-Jul-27	8:58	-24	12.21	60.9	
	24 hr check	psi	kgal	gal	
2002-Jul-27	8:59	-24	11.78	60.9	
2002-Jul-27	9:00	-19	11.17	60.9	
2002-Jul-27	9:01	31	10.21	61.8	
2002-Jul-27	9:01	31	10.19	63.0	
2002-Jul-27	9:01				End Tail Slurry
2002-Jul-27	9:01	36	10.18	63.0	0
2002-Jul-27	9:01				Drop Top Plug
2002-Jul-27	9:02	31	9.58	64.4	0
2002-Jul-27	9:02	-15	9.48	65.2	0
2002-Jul-27	9:03	40	9.41	65.2	0
2002-Jul-27	9:03				Start Displacement
2002-Jul-27	9:03	36	8.38	66.7	0
2002-Jul-27	9:04	31	8.31	71.6	0
2002-Jul-27	9:05	77	8.31	76.9	0
2002-Jul-27	9:06	54	8.31	82.2	0
2002-Jul-27	9:07	36	8.31	87.6	0
2002-Jul-27	9:07	320	8.31	92.9	0
2002-Jul-27	9:08	182	8.31	98.2	0
2002-Jul-27	9:09	287	8.31	103.4	0
2002-Jul-27	9:10	384	8.31	108.7	0
2002-Jul-27	9:11	484	8.31	114.0	0
2002-Jul-27	9:12	471	8.31	118.7	0
2002-Jul-27	9:12	562	8.31	123.0	0
2002-Jul-27	9:13	640	8.31	127.3	0
2002-Jul-27	9:14	603	8.31	130.3	0
2002-Jul-27	9:15	640	8.31	132.8	0
2002-Jul-27	9:16	677	8.31	135.2	0
2002-Jul-27	9:17	704	8.31	137.7	0
2002-Jul-27	9:17	722	8.31	139.0	0
2002-Jul-27	9:18	1340	8.31	140.0	0
2002-Jul-27	9:19	1382	8.31	140.0	0
2002-Jul-27	9:19				End Displacement
2002-Jul-27	9:19	297	8.31	140.0	0
2002-Jul-27	9:20	648	8.31	140.0	0
2002-Jul-27	9:21	411	8.31	140.0	0
2002-Jul-27	9:22	521	6.47	140.2	0
2002-Jul-27	9:22	457	1.97	141.5	0
2002-Jul-27	9:23	626	8.30	142.7	0
2002-Jul-27	9:24	727	8.30	145.0	0
2002-Jul-27	9:25	599	8.30	146.7	0
2002-Jul-27	9:25	599	8.30	146.7	0
2002-Jul-27	9:25				Reset Total Vol = 146.66 bbl
2002-Jul-27	9:26	800	8.30	146.8	0
2002-Jul-27	9:27	548	8.30	147.0	0
2002-Jul-27	9:27	301	8.30	147.0	0
2002-Jul-27	9:28				Bump Top Plug
2002-Jul-27	9:28	301	8.30	147.0	0
2002-Jul-27	9:28				Shutdown
2002-Jul-27	9:28	-10	8.30	147.0	0
2002-Jul-27	9:28	-15	8.30	147.0	0
2002-Jul-27	9:28				Stop Pumping

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GORSEVATION DIVISION  
WICHITA, KS

ORIGINAL

Well		Field		Service Date		Customer		Job Number	
HCU SWD #1411						Dominion Exploration & Production		2205440548	
Date	Time	Treating Pressure	Flow Rate	Density	Volume	0	0	0	Message
	24 hr clock	psi	bbl/min	lb/gal	bbl	0	0	0	
<b>Post Job Summary</b>									
Average Pump Rates, bpm					Volume of Fluid Injected, bbl				
Slurry	N2	Mud	Maximum Rate	Total Slurry	Mud	Spacer	N2		
5.3			6.6	200					
Treating Pressure Summary, psi					Breakdown Fluid				
Maximum	Final	Average	Bump Plug to	Breakdown	Fresh Water	Volume	Density		
800	707	288	1350			bbl	8.34 lb/gal		
Avg. N2 Percent	Designed Slurry Volume		Displacement	Mix Water Temp	<input checked="" type="checkbox"/> Cement Circulated to Surface?	Volume			
	200 bbl		75.5 bbl	72 °F	<input type="checkbox"/> Washed Thru Parts To	25 bbl	<i>CMT to Surface</i>		
Customer or Authorized Representative			Schlumberger Supervisor			<input type="checkbox"/> Circulation Lost <input checked="" type="checkbox"/> Job Completed			
<i>[Signature]</i> AT DOMINION, DARREL			<i>[Signature]</i> Douglas Strano						

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AUG 02 2002

CONSERVATION DIVISION  
WICHITA, KS

ORIGINAL

Comments:

**Fluid Systems:**

LEAD			
250 SKS CLASS "C" + 3% D079 + 0.2% D048 + .25 PPS D029			
Density:	11.1	lb/gal	Thickening Time:
Yield:	3.17	ft <sup>3</sup> /sk	
H2O Mix:	19.9	gal/sk	
H2O:	4975	gal	Eq. Sack Weight: 94 lb
			Total Blend: 250 sacks
Dowell Code	Concl Amount	Total Quantity	
D029	0.25 lbs/sk	62.5	
D046	0.2 % BWOB	47	
D079	3 % BWOB	705	
D803	94 lbs/sk	23500	

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CONSERVATION DIVISION  
WICHITA, KS

TAIL			
250 SKS CLASS "C" + 2% S1 + .25 PPS D29			
Density:	14.8	lb/gal	Thickening Time:
Yield:	1.34	ft <sup>3</sup> /sk	
H2O Mix:	6.29	gal/sk	
H2O:	1572.5	gal	Eq. Sack Weight: 94 lb
			Total Blend: 250 sacks
Dowell Code	Concl Amount	Total Quantity	
D029	0.25 lbs/sk	62.5	
S001	2 % BWOB	470	
D803	94 lbs/sk	23500	



GAMMA RAY  
 COLLAR LOG  
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 KANSAS CORPORATION COMMISSION

Company Dominion ENP  
 Well HCU 1411 SWD  
 Field Bradshaw  
 County Hamilton  
 State Kansas

Company Dominion ENP      AUG 02 2002  
 Well HCU 1411 SWD      CONSERVATION DIVISION  
 Field Bradshaw      WICHITA, KS  
 County Hamilton      State Kansas

Location	190' FNL & 1596' FWL SEC 14 TWP 21S RGE 41W	Other Services
Permanent Datum	Ground Level	Elevation 3622
Log Measured From	Kelly Bushing 5' AGL	K.B. 3627
Drilling Measured From	Kelly Bushing	D.F. G.L. 3622

Date	7-30-2002
Run Number	One
Depth Driller	
Depth Logger	3151
Bottom Logged Interval	3150
Top Log Interval	2500
Open Hole Size	5 1/2"
Type Fluid	Water
Density / Viscosity	
Max. Recorded Temp.	
Estimated Cement Top	
Time Well Ready	
Time Logger on Bottom	9:30
Equipment Number	TR-4
Location	Cheyenne Wells, Co.
Recorded By	Henderson
Witnessed By	Darrell Toews

Borehole Record			Tubing Record				
Run Number	Bit	From	To	Size	Weight	From	To
One	12 1/4"	0					
Two	7 7/8"	0					

Casing Record	Size	Wgt/Ft	Top	Bottom
Surface String	8 5/8"	24#		
Prot. String				
Production String	5 1/2"	15.5#		
Liner				

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Dominion Exploration & Production, Inc.  
14000 Quail Springs Parkway, #600, Oklahoma City, OK 73134-2600



**Dominion**

August 1, 2002

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AUG 02 2002

CONSERVATION DIVISION  
WICHITA, KS

Mr. Daniel F. Fredlund  
Kansas Corporation Commission  
Conservation Division  
Finney State Office Building  
130 S. Market – Room 2078  
Wichita, KS 67202-3802

Dear Mr. Fredlund:

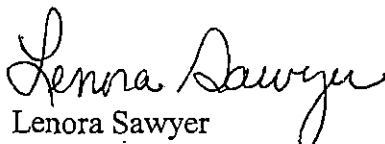
**RE: Application for Disposal Well  
HCU 1411 SWD  
Docket No. E-28,043  
Section 14-21S-41W  
Hamilton County, KS**

Attached is ACO-1, cementing tickets showing cement circulated to surface, and Gamma Ray Collar Log for the subject well.

Mr. Kevin Strube, Kansas Corporation Commission Dodge City District Office, witnessed and approved the MIT that was run on July 31, 2002.

If you have further questions, please contact Richard Howell at 405-748-2714.

Very truly yours,

  
Lenora Sawyer  
Regulatory Specialist

Enc.