

HERB DENNES
CONSULTING GEOLOGIST
PH. 785-625-3380 HAYS, KS 67601

108 W. 35th ST.
COMPANY TDI, Inc.
WELL Letter # 1
FIELD Leakea

COUNTY Ellis STATE Kansas
LOCATION: 2310 S.W. 4th, 8180' F.W.L. SW/4
SEC 15 TWP 15s R0E 18W
Elevations: KB 2035', DE 2095', OL 2095'

Logging by: Log - Tech
1. Dual Induction Log
2. Dual Compressed Resistivity Log
3. Gamma Ray Log
4. Spontaneous Potential Log
5. Gamma Ray Log
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100. Gamma Ray Log

Drilling Time	Rate	Penetration Rate	Activity	Date	Depth	Activity
1900' - RTD						
2150' - RTD						
8-24-11	1400'	100'	Reg. Spind. Sec. 5 SP			
8-25-11	1500'	100'	Reg. Spind. Sec. 5 SP			
8-26-11	1600'	100'	Reg. Spind. Sec. 5 SP			
8-27-11	1700'	100'	Reg. Spind. Sec. 5 SP			
8-28-11	1800'	100'	Reg. Spind. Sec. 5 SP			
8-29-11	1900'	100'	Reg. Spind. Sec. 5 SP			
8-30-11	2000'	100'	Reg. Spind. Sec. 5 SP			
8-31-11	2100'	100'	Reg. Spind. Sec. 5 SP			
8-31-11	2200'	100'	Reg. Spind. Sec. 5 SP			
8-31-11	2300'	100'	Reg. Spind. Sec. 5 SP			
8-31-11	2400'	100'	Reg. Spind. Sec. 5 SP			
8-31-11	2500'	100'	Reg. Spind. Sec. 5 SP			
8-31-11	2600'	100'	Reg. Spind. Sec. 5 SP			
8-31-11	2700'	100'	Reg. Spind. Sec. 5 SP			
8-31-11	2800'	100'	Reg. Spind. Sec. 5 SP			
8-31-11	2900'	100'	Reg. Spind. Sec. 5 SP			
8-31-11	3000'	100'	Reg. Spind. Sec. 5 SP			
8-31-11	3100'	100'	Reg. Spind. Sec. 5 SP			
8-31-11	3200'	100'	Reg. Spind. Sec. 5 SP			
8-31-11	3300'	100'	Reg. Spind. Sec. 5 SP			
8-31-11	3400'	100'	Reg. Spind. Sec. 5 SP			
8-31-11	3500'	100'	Reg. Spind. Sec. 5 SP			
8-31-11	3600'	100'	Reg. Spind. Sec. 5 SP			
8-31-11	3700'	100'	Reg. Spind. Sec. 5 SP			

REMARKS Recommendation To plug and abandon well due to low stringer, lack of conglomerate sand development and lack of development indicated on probability Log.

Formation Sample Log Datum * Formation Sample Log Datum *

Anhydrite Top	1194	+ 841				
Anhydrite Base	1230	+ 805				
Leakea	1996	- 961				
Hebner Shale	3273	- 1239				
Limestone	3280	- 1257				
LHC	3280	- 1257				
LHC	3280	- 1257				
Conglomerate Sand	3602	- 1537				
Flabuckie	3646	- 1611				
RTD	3700	- 1663				
RTD	3700	- 1663				

*Structural Position to:

LEGEND

Anhydrite	Salt	Sandstone	Shale	Carb sh	Limestone	Ool. Lime	Chert	Dolomite

SCALE " = 100'

DEPTH	Sample Description	Remarks, drill stem tests, etc.
80		Mud System - Gel Chemical Mud-Co
90		Slope Survey @ 28.4' 1/2"
1200		
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QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

Phone 785-483-2025

Home Office P.O. Box 32 Russell, KS 67665

No. 5282

Cell 785-324-1041

Date	8/28/11	Sec.	15	Twp.	15	Range	18	County	Ellis	State	KS	On Location		Finish	9:30 AM
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Lease	Watta	Well No.	1	Location	Hays Mack, IN, E into
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Contractor	Southwind Drilling Rig #1	Owner	To Quality Oilwell Cementing, Inc.
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Type Job	PTA	You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.	
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Hole Size	7 7/8"	T.D.	3700'	Charge To	TOT, Inc.
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Csg.		Depth		Street	
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Tbg. Size		Depth		City		State	
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Tool		Depth		The above was done to satisfaction and supervision of owner agent or contractor.		
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Cement Left in Csg.		Shoe Joint		Cement Amount Ordered	225 ex 60/40 4% gel
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Meas Line		Displace		k# Flocele	
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EQUIPMENT

Pumptrk	9	No.	Cementor	Paul	Common	135
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Bulktrk	3	No.	Driver	Matt	Poz. Mix	80
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Bulktrk	PU	No.	Driver	Brian	Gel.	8
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JOB SERVICES & REMARKS

Remarks:		Calcium	
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Rat Hole	30 sx	Hulls	
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Mouse Hole	15 sx	Salt	
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Centralizers		Flowseal	50 #
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Baskets		Kol-Seal	
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D/V or Port Collar		Mud CLR 48	
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3620' - 25sx		CFL-117 or CD110 CAF 38	
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1210' - 25sx		Sand	
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530' - 80sx		Handling	233
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250' - 40sx		Mileage	
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40' - 10sx		FLOAT EQUIPMENT	
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		Guide Shoe	
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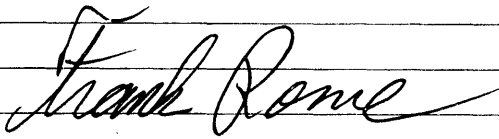
		Centralizer	
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		Baskets	8 5/8"
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		AFU Inserts	
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		Float Shoe	Dry Hole Plug
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		Latch Down	
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Thank You!!


Pumptrk Charge plug
 Mileage 11

Tax
 Discount
 Total Charge

QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

Phone 785-483-2025
Cell 785-324-1041

Home Office P.O. Box 32 Russell, KS 67665

No. 5329

Date	Sec.	Twp.	Range	County	State	On Location	Finish
8-22-11	15	15	18	Ellis	KS		8:00 p.m.
Lease <i>Wetta</i>	Well No. <i>1</i>		Location <i>Hays made 1/2w Ellito</i>				
Contractor <i>Southwind #1</i>				Owner			
Type Job <i>Surface</i>				To Quality Oilwell Cementing, Inc. You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.			
Hole Size <i>12 1/4</i>	T.D. <i>224</i>		Charge To <i>T&E</i>				
Csg. <i>8 5/8</i>	Depth <i>222</i>		Street				
Tbg. Size	Depth		City				
Tool	Depth		State				
Cement Left in Csg. <i>15'</i>	Shoe Joint		The above was done to satisfaction and supervision of owner agent or contractor.				
Meas Line	Displace <i>133C</i>		Cement Amount Ordered <i>150 lbm 3% @ 20 lb/l</i>				
EQUIPMENT							
Pumptrk <i>9</i>	No.	Cement Helper <i>Greg</i>	Common <i>150</i>				
Bulktrk	No.	Driver <i>Paul</i>	Poz. Mix				
Bulktrk <i>10</i>	No.	Driver <i>Brian S</i>	Gel. <i>3</i>				
JOB SERVICES & REMARKS			Calcium <i>5</i>				
Remarks:			Hulls				
Rat Hole			Salt				
Mouse Hole			Flowseal				
Centralizers			Kol-Seal				
Baskets			Mud CLR 48				
D/V or Port Collar			CFL-117 or CD110 CAF 38				
<i>8 5/8 in bottom Est Circulation</i>			Sand				
<i>Min 150 SIC & Displace</i>			Handling <i>158</i>				
<i>Cement</i>			Mileage				
FLOAT EQUIPMENT							
			Guide Shoe				
			Centralizer				
			Baskets				
			AFU Inserts <i>Swage</i>				
			Float Shoe				
			Latch Down				
			Pumptrk Charge <i>Surface</i>				
			Mileage <i>11</i>				
			Tax				
			Discount				
			Total Charge				
X Signature <i>Frank Rame</i>							