

WELL LOGS

K Z

API number:	30-025-39047		
OGRID:		Operator:	VANGUARD PERMIAN LLC
		Property:	STATE SECTION 12 # 1

surface	ULSTR:	E	12	T	17S	R	36E
			1650	FNL	330	FWL	

BH Loc	ULSTR:	E	12	T	17S	R	36E
			1650	FNL	330	FWL	

Ground Level:	3825	DF:	3841	KB:	3842	
Datum:	KB			TD:	6465	

Land: **STATE** Completion Date: (1) **10/31/2008**
 Date Logs Received: **1/12/2009** ***LATE***
 Date Logs Due in: (2) **11/20/2008**

Confidential:	NO			Date out:		
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Confidential period. 90 Days for State & Fee, 1 Year for federal

Date Due In: (1) is equal to Completion Date (1) + 20 days

Logs	Depth interval		
DSN/SDL	200	6414	Spectral Density Dual Spaced Neutron
DLL/MGRD	3000	6446	Dual Laterolog Micro Guard Log
	3000	6390	Spectral Gamma Ray
HRI	2020	6414	Borehole Volume Plot
CSL	1162	3850	Compensated Sonic

K Z

OCD TOPS

Rustler	1907	Strawn			
Tansill		Atoka			
Yates	3036	Morrow			
7R	3338				
T. Bowers Sd					
B. Bowers Sd					
Queen	3961				
Penrose					
Grayburg	4404				
San Andres	4720				
Glorieta	6134				
	6274				
Tubb					
Drinkard					
Abo					
Wolfcamp					

OPERATOR
WELL/LEASE
COUNTY

VANGUARD PERMIAN, LLC
STATE SEC. 12 #1
LEA

RIG 54

E-12-175-36E
1650 FNL & 330 FWL

STATE OF NEW MEXICO
DEVIATION REPORT

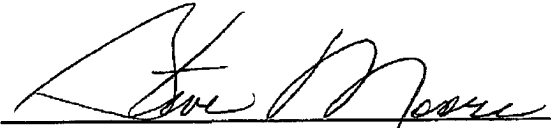
30-025-39047

310	0.50
593	1.00
994	0.75
1,494	1.75
1,643	2.00
2,235	1.00
2,487	1.00
2,866	1.25
3,339	1.25
3,812	1.75
4,332	1.00
4,763	1.75
5,238	2.00
5,680	1.75
6,170	2.00
6,450	2.00

RECEIVED

JAN 09 2009

HOBBSOCD

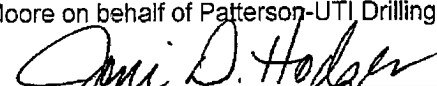
BY: 

STATE OF TEXAS

COUNTY OF MIDLAND

The foregoing instrument was acknowledged before me on
Moore on behalf of Patterson-UTI Drilling Company LLC.

OCTOBER 21, 2008 , by Steve


Notary Public for Midland County, Texas
My Commission Expires: 4/11/11

