

OPERATOR	COG Operating
WELL/LEASE	Val Halla 4 Fed Com 1
COUNTY	Lea, NM

056-0018

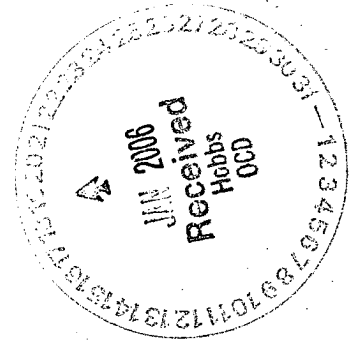
STATE OF NEW MEXICO DEVIATION REPORT

D-4-195-32e

660/N & 660/W

30-025-3721D

202	3/4	6,302	1/4	12,133	1 1/4
407	3/4	6,429	3/4	12,418	1 1/4
694	1	6,619	3/4	12,669	1 1/4
984	3/4	6,809	1/4	13,087	1 1/4
1,266	1/2	6,999	1/4		
1,583	1	7,189	1/2		
1,869	3/4	7,380	1/2		
2,154	1	7,570	1/4		
2,474	1 1/4	7,760	3/4		
2,598	1 3/4	7,950	3/4		
2,724	1 1/2	8,171	1		
2,851	1	8,298	1		
2,978	1	8,425	1 1/2		
3,104	1 3/4	8,552	1 1/4		
3,231	1 1/4	8,679	1 1/4		
3,358	1	8,805	3/4		
3,484	1/4	8,932	1		
3,611	1	9,059	1 1/2		
3,738	1	9,185	1		
3,864	1	9,312	1/2		
3,991	1/4	9,439	1		
4,150	1/4	9,566	1		
4,301	1/4	9,692	1/2		
4,432	3/4	9,819	1		
4,622	1/4	9,946	1		
4,781	1/2	10,073	1		
4,907	1/4	10,200	1		
5,035	1/4	10,327	3/4		
5,193	3/4	10,454	1		
5,288	3/4	10,580	1		
5,415	3/4	10,707	1		
5,542	1	10,957	3/4		
5,669	1/2	11,179	1		
5,795	1/4	11,369	1/2		
5,922	3/4	11,623	1/2		
6,112	3/4	11,879	1		



BY:

STATE OF TEXAS
COUNTY OF MIDLAND

The foregoing instrument was acknowledged before me on October 5, 2005, by Steve Moore on behalf of Patterson - UTI Drilling Company, LP, LLLP.

Notary Public for Midland County, Texas
My Commission Expires: 8/23/07



J ROBERTSON

Notary Public, State of Texas
My Commission Expires:

August 23, 2007