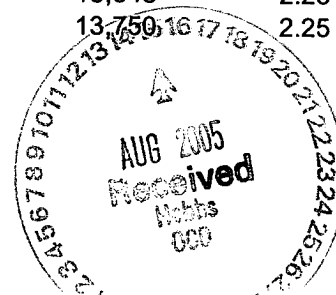


OPERATOR COG OPERATING
WELL/LEASE JADE VIPER 33 FEDERAL COM #1Y
COUNTY LEA, NM

056-0014

STATE OF NEW MEXICO
DEVIATION REPORT

543	0.75	6,505	0.25	11,543	5.00
789	1.50	6,918	0.40	11,585	4.80
978	0.75	7,202	0.80	11,771	3.50
1,165	1.00	7,488	0.70	11,833	2.50
1,445	2.25	7,774	0.10	11,988	1.60
1,571	1.25	8,029	0.60	12,099	1.50
1,663	2.00	8,247	0.50	12,160	1.50
1,786	1.50	8,438	0.60	12,222	1.70
1,974	1.25	8,694	1.20	12,281	1.60
2,096	0.75	8,918	0.90	12,328	1.70
2,220	0.75	9,061	1.60	12,404	1.90
2,438	2.25	9,124	2.60	12,466	1.76
2,531	2.00	9,188	4.10	12,529	1.70
2,624	2.00	9,250	4.80	12,591	1.80
2,717	2.00	9,361	6.20	12,715	1.80
2,812	2.00	9,537	6.50	12,777	1.80
2,909	2.25	9,601	6.90	12,837	1.90
2,997	1.75	9,663	6.90	12,895	1.90
3,090	2.00	9,788	6.70	12,960	1.70
3,186	1.50	9,852	6.80	13,023	1.30
3,342	1.00	9,979	7.10	13,085	1.40
3,531	1.00	10,042	7.20	13,144	1.40
3,690	1.25	10,106	7.30	13,205	1.10
3,847	1.00	10,169	7.20	13,267	1.50
4,006	0.75	10,297	6.70	13,298	1.60
4,165	1.00	10,425	6.90	13,333	1.40
4,323	1.25	10,489	6.60	13,548	2.25
4,482	1.50	10,553	6.90	13,750	2.25
4,637	2.00	10,683	6.70		
4,735	1.75	10,747	7.30		
4,863	2.25	10,843	7.20		
4,984	2.00	10,970	6.30		
5,117	1.75	11,002	6.30		
5,211	1.00	11,034	6.70		
5,333	0.60	11,288	7.20		
5,595	0.40	11,352	6.80		
5,872	0.30	11,415	6.10		
6,158	1.00	11,479	5.40		



STATE OF TEXAS
COUNTY OF MIDLAND

BY: Steve Moore

The foregoing instrument was acknowledged before me April 8, 2005, by Steve Moore on behalf of Patterson - UTI Drilling Company, LP, LLLP.

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

