

WELL NAME AND NUMBER BDU 1933-1420

LOCATION SEC. 14-T19S-33W

(New Mexico give U, S, T, & R; Texas give S. Blk., Sur. & Twp when required.)

OPERATOR OXY USA, INC. - BRAVO DOME

DRILLING CONTRACTOR CHEYENNE DRILLING, INC.

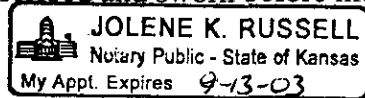
The undersigned hereby certifies that he is an authorized representative of the drilling contractor who drilled the above-referenced well and he has conducted deviation tests and obtained the following results:

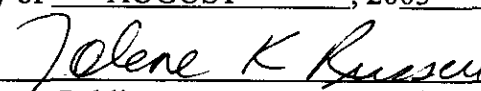
DEPTH	DEGREES	DEPTH	DEGREES
<u>261'</u>	<u>1 1/4°</u>	<u>1675'</u>	<u>3°</u>
<u>805'</u>	<u>5 3/4°</u>	<u>1766'</u>	<u>4°</u>
<u>898'</u>	<u>4 1/2°</u>	<u>1861'</u>	<u>3 1/2°</u>
<u>992'</u>	<u>4 3/4°</u>	<u>2049'</u>	<u>3°</u>
<u>1085'</u>	<u>4 1/2°</u>	<u>2173'</u>	<u>1 1/2°</u>
<u>1179'</u>	<u>3 1/2°</u>	<u>2362'</u>	<u>3°</u>
<u>1270'</u>	<u>4 1/2°</u>	<u>2518'</u>	<u>2 3/4°</u>
<u>1581'</u>	<u>2 1/2°</u>		

Drilling Contractor CHEYENNE DRILLING, INC.

By 

Subscribed and sworn before me this 8TH day of AUGUST, 2003




Notary Public

My Commission Expires:

FINNEY County, KANSAS

09-13-2003

ATTACHMENT DEVIATION SURVEY
BDCDGU 1933-142

Depth	Degree	Rads	Sin	Displ (ft)
261	1.25	0.021821356	0.021819624	5.69
805	5.75	0.100378237	0.100209757	54.51
898	4.5	0.078556881	0.078476108	7.30
992	4.75	0.082921152	0.082826158	7.79
1085	4.5	0.078556881	0.078476108	7.30
1179	3.5	0.061099796	0.061061787	5.74
1270	4.5	0.078556881	0.078476108	7.14
1581	2.5	0.043642712	0.043628859	13.57
1675	3	0.052371254	0.052347317	4.92
1766	4	0.069828339	0.069771605	6.35
1861	3.5	0.061099796	0.061061787	5.80
2049	3	0.052371254	0.052347317	9.84
2173	1.5	0.026185627	0.026182635	3.25
2362	3	0.052371254	0.052347317	9.89
2518	2.75	0.048006983	0.047988545	7.49
TOTAL MAX DISPLACEMENT				156.58