

INCLINATION REPORT

OPERATOR: SANTA FE ENERGY

ADDRESS: 500 W ILLINOIS, SUITE 500
MIDLAND, TX 79701

LEASE NAME: KACHINA 5 FED

WELL#: #1

FIELD: _____

LOCATION: Lea County, New Mexico

330-8 + 1980/E

5-18-33

Measured Depth	Angle of Inc.	Displacement Per 100 ft.	Accumulative Displacement
345 *	0.50	0.87 *	3.0015
820 *	0.25	0.44 *	5.0915
1300 *	0.25	0.44 *	7.2035
1800 *	0.50	0.87 *	11.5535
2299 *	0.75	1.31 *	18.0904
2797 *	0.25	0.44 *	20.2816
3100 *	0.50	0.87 *	22.9177
3557 *	1.00	1.75 *	30.9152
4074 *	1.00	1.75 *	39.9627
4568 *	0.75	1.31 *	46.4341
5065 *	2.25	3.93 *	65.9662
5279 *	1.75	3.05 *	72.4932
5773 *	2.50	4.36 *	94.0316
6267 *	3.00	5.23 *	119.8678
6390 *	3.00	5.23 *	126.3007
6514 *	3.00	5.23 *	132.7859
6760 *	3.00	5.23 *	145.6517
6885 *	3.00	5.23 *	152.1892
7029 *	2.75	4.80 *	159.1012
7135 *	3.00	5.23 *	164.6450
7259 *	2.75	4.80 *	170.5970
7383 *	2.75	4.80 *	176.5490
7536 *	3.25	5.67 *	185.2241
7691 *	3.00	5.23 *	193.3306
7793 *	3.25	5.67 *	199.1140
7906 *	3.25	5.67 *	205.5211
8061 *	3.25	5.67 *	214.3096
8215 *	2.75	4.80 *	221.7016
8400 *	3.25	5.67 *	232.1911
8565 *	3.25	5.67 *	241.5466
8707 *	3.75	6.54 *	250.8334
8830 *	3.50	6.10 *	258.3364
8950 *	3.75	6.54 *	266.1844
9076 *	3.25	5.67 *	273.3286
9195 *	3.00	5.23 *	279.5523
9292 *	3.25	5.67 *	285.0522
9417 *	3.25	5.67 *	292.1397
9571 *	3.50	6.10 *	301.5337
9696 *	3.25	5.67 *	308.6212
9850 *	2.50	4.36 *	315.3356
10092 *	3.25	5.67 *	329.0570
10249 *	2.25	3.93 *	335.2271
10590 *	1.50	2.62 *	344.1613
10794 *	1.75	3.05 *	350.3833
11267 *	1.00	1.75 *	358.6608
11500 *	1.00	1.75 *	362.7383

I hereby certify that the above data as set forth is true and correct to the best of my knowledge and belief.

CACTUS DRILLING COMPANY

Cathy Pearce
TITLE: DRILLING SECRETARY

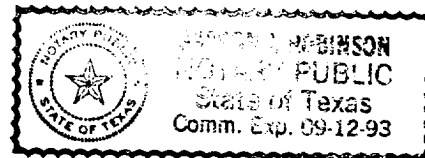
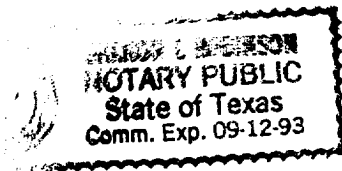
AFFIDAVIT:

Before me, the undersigned authority, appeared Cathy Pearce known to me to be the person whose name is subscribed hereabove, who, on making deposition, under oath states that she is acting for and in behalf of the Operator of the well identified above, and that to the best of her knowledge and belief such well was not intentionally deviated from the true vertical whatsoever.

Rebecca Edwards
AFFIANT'S SIGNATURE

Sworn and subscribed to in my presence on this 14 day of March 1991.

Sharon L. Robinson
Notary Public in and for the
County of Midland, State of Texas.



RECEIVED

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HOBBS OFFICE