

STATE OF LOUISIANA
OFFICE OF CONSERVATION

REPORT OF PROOF OF APPARENT DEVIATION

Page 1

SERIAL NO. _____

OPERATOR Union Texas Petroleum DISTRICT Farmington

FIELD Pump Canyon - Mesa Verde PARISH San Juan

WELL NAME & NO. Nordhaus * 7A SEC 1 T 31 N R 9 W
AFF # 4-4948

Degrees Deviation	Deviation Factor	DEGREES DEVIATION	DEPTH FROM SURFACE	LENGTH OF INTERVAL	DEVIATION FACTOR	DEVIATION OF INTERVAL	CUMULATIVE APPARENT DEVIATION	REMARKS
		34°	153'	153'	.01309	2.0	2.0	
1/4	.00436							
1/4	.00873							
1/4	.01309	mistfire	364'					
1	.01745							
1 1/4	.02182	1 1/4°	394'	241'	.02182	5.26	7.26	
1 1/4	.02618							
1 1/4	.03054	34°	666'	272'	.01309	3.56	10.82	
2	.03490							
2 1/4	.03926	1 1/2°	1006'	340'	.02618	8.90	19.72	
2 1/4	.04362							
2 1/4	.04798							
3	.05234	1 1/2°	1509'	503'	.02618	13.17	32.89	
3 1/4	.05669							
3 1/4	.06105	1 1/2°	1980'	471'	.02618	12.33	45.22	
3 1/4	.06540							
4	.06976							
4 1/4	.07411	1 1/2°	2446	466'	.02618	12.20	57.42	
4 1/4	.07846							
4 1/4	.08281	1 1/2°	3062	616'	.02618	16.13	73.55	
5	.08716							
5 1/4	.09150	1 1/2°	3558	496'	.02618	12.99	86.54	
5 1/4	.09585							
6	.10019							
6 1/4	.10453	1°	3683	125'	.01745	2.18	88.72	
6 1/4	.10887							
6 1/4	.11320	1 3/4°	3959	276'	.03054	8.43	97.15	
6 1/4	.11754							
7	.12187							
7 1/4	.12620	3°	4218	259'	.05234	13.56	110.71	
7 1/4	.13053							
7 1/4	.13485	2 3/4°	4320	102'	.04798	4.89	115.60	
8	.13917							
8 1/4	.14349	1 1/4	4482	162'	.02182	3.53	119.13	
8 1/4	.14781							
8 1/4	.15212	2 3/4	4730	248'	.04798	11.90	131.03	
9	.15643							
9 1/4	.16074							
9 1/4	.16505	2 3/4	4856	126'	.04798	6.05	137.08	
9 1/4	.16935							
10	.17365							

Certified as Being True & Correct by _____ Title _____ Date _____

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OFFICE OF CONSERVATION

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SERIAL NO. _____

OPERATOR Union Texas Petroleum DISTRICT EARMINGTON

FIELD Pump Canyon - MESA VERDE PARISH Santa Anna

WELL NAME & NO. Nordhaus 7A SEC. 1 T. 31N R. 9W

APPR 4-4948

Degrees Deviation	Deviation Factor	DEGREES DEVIATION	DEPTH FROM SURFACE	LENGTH OF INTERVAL	DEVIATION FACTOR	DEVIATION OF INTERVAL	CUMULATIVE APPARENT DEVIATION	REMARKS
		3 3/4	5022	166	.06540	10.86	147.94	
1/4	.00436							
1/2	.00873	1 1/2	5140	118	.02618	3.09	151.03	
3/4	.01309							
1	.01745	2 1/2	5300	160	.04362	6.98	158.01	
1 1/4	.02182							
1 1/2	.02618	2 3/4	5514	214	.04798	10.27	168.28	
1 3/4	.03054							
2	.03490	4 1/2	5702	188	.07846	14.75	183.03	
2 1/4	.03926							
2 1/2	.04362	4 1/2	5891	189	.07846	14.83	197.86	
2 3/4	.04798							
3	.05234	4 3/4	6047	156	.08281	12.92	210.78	
3 1/4	.05669							
3 1/2	.06105							
3 3/4	.06540							
4	.06976							
4 1/4	.07411							
4 1/2	.07846							
4 3/4	.08281							
5	.08716							
5 1/4	.09150							
5 1/2	.09585							
5 3/4	.10019							
6	.10453							
6 1/4	.10887							
6 1/2	.11320							
6 3/4	.11754							
7	.12187							
7 1/4	.12620							
7 1/2	.13053							
7 3/4	.13485							
8	.13917							
8 1/4	.14349							
8 1/2	.14781							
8 3/4	.15212							
9	.15643							
9 1/4	.16074							
9 1/2	.16505							
9 3/4	.16935							
10	.17365							

RECEIVED

JAN 24 1990

OIL CON. DIV
DIST. 3

Certified as Being True & Correct by

Eric White

Title

Reg Permit Coord

Date

1-22-90

In Witness Hereto: Karyn L. Harney Comm. Exp. 1-22-90

THREE (3) SIGNED COPIES OF THIS REPORT SHOULD BE SUBMITTED WITH FORM WH ON ALL WELLS, EXCEPT AS NOTED ON THE REVERSE SIDE