

JUNE 12, 1997

WELL NAME AND NUMBER: STATE 14 #1
LOCATION: SEC 14 T12S R33E
OPERATOR: JOHN L. COX
DRILLING CONTRACTOR: PATTERSON DRILLING

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

DEGREE AND DEPTH		DEGREE AND DEPTH		DEGREE AND DEPTH	
0.75	266'	1.00	7942'	0.50	7915'
0.25	746'	0.75	8134'	0.50	8403'
0.25	1219'	0.75	8289'	1.25	8901'
0.50	1692'	0.75	8684'	1.25	9124'
0.50	2166'	1.00	9086'	1.25	9220'
0.50	2664'	1.25	9304'	0.75	9315'
0.75	3163'	2.25	9710'	0.75	9411'
0.50	3632'	2.50	9805'	1.25	9553'
0.75	4125'	3.25	9898'	1.00	9647'
1.00	4593'	3.00	9993'	1.75	9772'
1.00	5067'	3.75	10086'	1.75	9865'
0.75	5540'	4.75	10275'	2.25	9959'
1.75	6037'	4.00	10349'	2.75	10022'
1.75	6129'	3.75	10411'	3.00	10085'
1.50	6253'	4.00	10475'	3.25	10148'
2.00	6410'	1.50	5568'	3.00	10212'
1.75	6503'	1.50	5646'	3.25	10276'
1.75	6629'	2.50	5684'	3.25	10339'
2.00	6752'	2.25	5780'	2.50	10402'
2.00	6857'	2.00	5877'	3.00	10465'
2.00	6983'	1.25	6036'	3.75	10560'
2.00	7107'	2.25	6227'	3.50	10622'
2.25	7231'	1.75	6387'	3.50	10654'
1.75	7355'	2.00	6707'	3.25	10703'
0.75	7542'	2.00	7122'	3.00	10797'
1.00	7699'	1.75	7628'	3.25	11161'

Drilling Contractor: PATTERSON DRILLING

By: Billy Jensen
Billy Jensen

Subribed and sworn to before me on this12th day of June 1997.

My Commission Expires: 10-7-00

Annell