

NOVEMBER 20, 1997

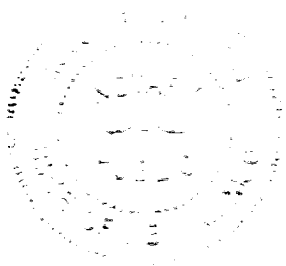
WELL NAME AND NUMBER:
LOCATION:
OPERATOR:
DRILLING CONTRACTOR:

APACHE SPRINGS FED #1
Sec. 34 T10S R30E
MARBOB ENERGY CORP.
PATTERSON DRILLING

NOV 20 1997

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	
0.25	166	0.75	4874	3.25	9449
0.75	287	1.50	5353	3.25	9543
1.00	406	0.75	5608	3.25	9638
1.00	529	1.00	5959	2.50	9687
1.00	716	1.00	6460	3.25	9777
1.25	971	NP	7319	3.25	9870
1.25	1258	MR	7383	NP	9964
1.00	1514	1.25	7383	4.00	9995
1.00	1738	0.50	7638	4.50	10057
1.75	2377	0.75	8111	4.25	10107
1.00	2472	0.75	8512	4.75	10181
0.75	2881	0.50	8982	4.00	10208
0.75	3437	2.00	9252	4.00	10271
0.75	3916	NP	9305	3.00	10460
0.75	4394	2.50	9337	2.75	10557



Drilling Contractor: PATTERSON DRILLING

By Billy Jensen
Billy Jensen

Subscribed and sworn to before me this 20th day of November, 1997

My Commission Expires:
June 30, 2001

Mary G. Hanson
Mary G. Hanson