

ARAPAHOE DRILLING CO.

P. O. BOX 26687

ALBUQUERQUE, NEW MEXICO 87125

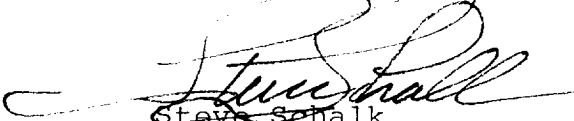
STEVE SCHALK
GENERAL MANAGER

October 13, 1982

Chace Apache 54-10
Unit I; Section 3, Township 22 North, Range 3 West
Sandoval County, New MexicoDEVIATION RECORD

<u>Date</u>	<u>Depth</u>	<u>Deviation</u>
9-25-82	215'	1/4°
9-26-82	536'	1/2°
9-26-82	837'	1/4°
9-26-82	1113'	1/2°
9-26-82	1392'	3/4°
9-26-82	1699'	1-1/4°
9-27-82	2005'	1°
9-27-82	2315'	3/4°
9-27-82	2587'	1°
9-27-82	2680'	1°
9-27-82	2742'	1°
9-28-82	2834'	1°
9-28-82	2894'	1°
9-28-82	2987'	1°
9-28-82	3142'	1°
9-29-82	3572'	3/4°
9-29-82	4092'	1-1/4°
9-30-82	4244'	1°
9-30-82	4442'	3/4°
10-01-82	4838'	1/2°
10-02-82	5317'	1°
10-03-82	5808'	1°
10-04-82	6300'	3/4°
10-05-82	6818'	1-1/2°
10-06-82	7027'	1-1/4°

ARAPAHOE DRILLING CO.


Steve Schalk
General ManagerSTATE OF NEW MEXICO
COUNTY OF BERNALILLOSubscribed and sworn to before me, a Notary Public,
this 15th day of October, 1982, by Steve Schalk,
General Manager of Arapahoe Drilling Co.OFFICIAL SEAL
LOIS CUNNINGHAM
NOTARY PUBLIC - NEW MEXICO
Notary Bond Filed with Secretary of State
My Commission Expires: 3/7/83
Notary Public