

ARAPAHOE DRILLING CO., INC.

A. O. 201 18447

ALBUQUERQUE, NEW MEXICO 87125

STEVE SCHALK
PRESIDENT

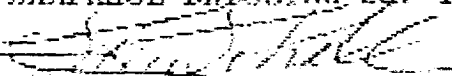
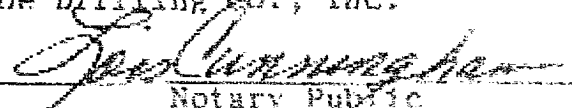
October 17, 1983

Operator: Southern Union Exploration Co.

Well: Champion Federal #1
660' FNL, 660' FWL; Section 11, Township 25 North, Range 13 West
San Juan County, New MexicoDEVIATION RECORD

<u>DATE</u>	<u>DEPTH</u>	<u>DEVIATION</u>
8/26/83	298'	3/4°
8/27/83	785'	1°
	1276'	1 1/2°
8/28/83	1369'	2-1/2°
	1431'	2-1/2°
	1491'	2-1/4°
	1584'	2°
	1798'	1-1/4°
	2286'	1-1/2°
	2665'	1-1/4°
8/29/83	3024'	3/4°
	3512'	3/4°
8/30/83	4004'	3/4°
	4495'	3/4°
9/01/83	4930'	5/8°
	5025'	3/4°

ARAPAHOE DRILLING CO., INC.


Steve SchalkSTATE OF NEW MEXICO
COUNTY OF BERNALILLOSubscribed and sworn to before me, a Notary Public,
this 17th day of October, 1983, by Steve Schalk,
President of Arapahoe Drilling Co., Inc.
Notary Public
OFFICIAL SEAL
LOIS CUNNINGHAM
NOTARY PUBLIC - NEW MEXICO
Notary Bond Filed with Secretary of State
My Commission Expires: 3/2/87