

DRILLERS LOG **COPY**

HELMERICH & PAYNE, INC.
 POWELL A-2
 SECTION 22-T29S-R33W
 HASKELL COUNTY, KANSAS

COMMENCED: 04-05-92
 COMPLETED: 04-28-92

SURFACE CASING: 1846' OF 8 5/8"
 CMTD W/580 SX 65/35 POZ, 6% GEL,
 2% SI, 1/4#/SX FLO-CELE; TAILED IN W/
 150 SX "C", 2% SI, 1/4#/SX FLO-CELE

JUL 29 1993
 CONFIDENTIAL

FORMATION	DEPTH
SURFACE HOLE	0-1861
SHALE	1861-2108
SHALE & LIME	2108-3310
LIME & SHALE	3310-3867
SHALE & LIME	3867-3985
LIME & SHALE	3985-4161
LANSING "A"	4161-4189
SHALE & LIME	4189-4225
LANSING	4225-4267
LANSING "C"	4267-4360
SHALE & LIME	4360-4470
LIME & SHALE	4470-4785
SHALE & LIME	4785-4912
LIME & SHALE	4912-5046
SHALE & LIME	5046-5375
LIME & SHALE	5375-5595
SHALE & LIME	5595-5738
LIME	5738-5821
SHALE & LIME	5821-5884
LIME	5884-6067
SHALE & LIME	6067-6251
LIME & CHERT	6251-6568
DOLOMITE, CHERT & LIME	6568-6675
DOLOMITE & CHERT	6675-6775
LIME, CHERT, & DOLOMITE	6775-7050
CHERT, LIME, & DOLOMITE	7050-7146
DOLOMITE & CHERT	7146-7296
CHERT, LIME, & DOLOMITE	7296-7320
DOLOMITE & CHERT	7320-7410
LIME, DOLOMITE, & CHERT	7410-7420
DOLOMITE & CHERT	7420-7500

RELEASED
 AUG 02 1993
 FROM CONFIDENTIAL

RTD

I DO HEREBY CERTIFY THAT THE FOREGOING STATEMENTS ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

CHEYENNE DRILLING, INC.

A.J. Jacques
 A.J. JACQUES

STATE OF KANSAS :ss:

SUBSCRIBED AND SWORN TO BEFORE ME THIS 29TH DAY OF ~~APRIL~~ ^{APRIL} 1992

BECKY J. WHETSTONE
 NOTARY PUBLIC
 STATE OF KANSAS
 MY APPT. EXPIRES 4/29/95

RECEIVED
 STATE CORPORATION COMMISSION
Becky J. Whetstone
 JUL 29 1992
 BECKY J. WHETSTONE, NOTARY PUBLIC
 CONSERVATION DIVISION
 Wichita, Kansas