DEPCO, Inc.

Exploration & Production



800 Central ODESSA. TEXAS 79760

File

October 30, 1979

State of New Mexico Energy and Minerals Department Concentration Oil Conservation Division P.O. Box 2088 Santa Fe, New Mexico 87501

Attn: Mr. Joe D. Ramey

Re: DEPCO, Inc. Campflood Pressure Increase Well No. 93

Gentlemen:

DEPCO, Inc. Campflood was approved in September, 1970, by R-4027. In November, 1977, commission approval was obtained (Order No. WFX-457) to convert Well No. 93, Unit C of Section 27, Township 18 South, Range 28 east, NMPM, Eddy County, New Mexico, to injection, with a maximum wellhead pressure of 507 psig. In March 1978, a Step-Rate test was conducted showing a fracture pressure of approximately 1215 psig. DEPCO, Inc. requested, and was granted an increase in the wellhead pressure to a maximum of 1100 psig.

DEPCO, Inc. requests administrative approval to increase the well head pressure limitation to 1300 psig. Attached are data obtained from a Step-Rate conducted on this well.

The data was obtained by Aztec Gas Inc. of Midland, Texas. Attached are copies of the test showing a fracture pressure of approximately 1485 psig. At the time the test was conducted the well was injecting approximately 100 BWPD at 1100 psig with a cumulative water injection of approximately 57,000 BW.

DEPCO plans to increase the rate approximately 50 BPD each month until a maximum wellhead pressure of 1300 psig is obtained.

Very truly yours,

Leon Standard Field Engineer.

AZIEL GAS, INC. P.O. BOX 8339 MIDLAND, TEXAS 79703

DATE: 10-19-79

STEP RATE TESTS

COMPANY:	DEPCO		
WELL NAME:	We11 #93	State 647	

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TEST DATA

TIME	INJECT	ION RATE	SURFACE PRESSURE
10:00	100		1150
10:30	300		1170
11:00	400		1225
11:30	500		1265
12:00	600		1300
12:30			1325
1:00	800		1400
1:30	900		1465
2:00	1000		1505
2:30	1100		1530
3:00	1200		1560
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Final Instantaneous Sh	ut Down Pr	essure:	
Estimated Frac Point:_	1485	PSI	
-	940	BPD	
ISDP _		PSI	
COMMENT:		·	
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