Company CHEVRON USA, INC. Field RANGELY Well No. LN HAGOOD A-IIX 23-2N-103W

SURVEY DATA

RUN NO.	SEVENTEEN				
Type Survey	T-S-T				
Date	5-3-83				
Inj. Rate	4860 B/D	DR: 5000 B/D			
Inj. Press.	600 PSI				
Pick-up	6741				
Service Co.	PLS				

RECEIVED
OCT 1 1985
COLO. OIL & GAS CONS. COMM.

	TWENTY-FOUR				
	T-S-T				
	8-20-85				
	4500 B/D	DR-4500 B/D			
	700 PSI				
	6733				
	P L S				

Field _____ Well No. _____

Measurement Datum _____

INJECTION - %

0 10 20 30 40 50 60 70 80 90 100

103 0199

7" CASING 0-6750'
3-1/2" TUBING 0-6085'
2-3/8" TUBING 6085'± 6741'

SWSC G/R

MANDREL ORIFICE SIZE

6100 6200 6300 6400 6500 6600 6700

A-1 A-2 A-3 A-4 A-5 B-1 B-2 B-3 B-4 B-5 C-1 C-2 C-3 C-4 C-5 D-1 D-2 D-3 D-4

13/64 OPEN 5/64 15/64 OPEN 0% EXIT

19% EXIT 19% 13% 6% 19% EXIT 8% 3% 14% 25% EXIT 39% EXIT 25% 14%

PRODUCTION LOGGING SERVICES, INC.

Remarks

SURVEY CHECKS PACKERS AND TOP PERFS OK. SURF. 145.0° - BHT 164.4°
RECORDED BY G. WILLIAMS

Form No. 4

INJECTION - %

0 10 20 30 40 50 60 70 80 90 100

MANDREL ORIFICE SIZE

7/64 20/64 5/64 7/64 OPEN

35% EXIT 35% 46% 46% EXIT 11% 11% EXIT 8% EXIT 3% EXIT 3%

PRODUCTION LOGGING SERVICES, INC.

R/A TRACER SURVEY CHECKS PACKERS AND TOP PERF OK.
SURFACE TEMP. 139.0° BHT 163.0°
RECORDED BY R. STRATTON