STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT
OIL CONSERVATION DIVISION
AZTEC DISTRICT OFFICE

TONEY ANAYA
GOVERNOR

1000 RIO BRAZOS ROAD
AZTEC, NEW MEXICO 87410
(505) 334-6178

February 4, 1985

Mr. Ken Roddy
Union Texas Petroleum Corp.
P.O. Box 1290
Farmington, NM 87499

Re: Jicarilla H #7E D-19-26N-4W

Dear Ken:

Your recommended allocation of the downhole commingled production from the referenced well is hereby approved as follows:

	Gas	Oil
Mesaverde	43%	49%
Gallup	7%	7%
Dakota	50%	44%

If you have any questions, please contact this office.

Sincerely,

Frank T. Chavez
District Supervisor

FTC/dj

xc: Santa Fe
Well File
Operator File

ALLIED Union Texas Petroleum

P. O. Box 1290
Farmington, NM 87499
Telephone (505) 325-3587

December 19, 1984

Frank Chavez
Oil Conservation Division
1000 Rio Brazos Road
Aztec, New Mexico 87410

Re: Jicarilla H #7E

Dear Frank:

In confirmation of the allocation method I used to arrive at the percentages previously submitted I offer the following:

1. During completion operations the Mesaverde was cleaned up alone for a test rate of 354 MCFD and 4.3 BOPD (9/7/84).

   The Gallup tested an additional 53 MCFD and 0.6 BOPD (9/12/84).

   The Dakota tested an additional 182 MCFD and 4.2 BOPD (9/14/84).

2. Final production rates and cummulative production were calculated after 7 day shut in and IP test. The IP's, decline type and decline rate are listed below with calculated values.

Horizon	Tests During Cleanup %	IP After 7 Days SI MCFD	IP Used For NP MCFD	Decline Type	Decline %	NP BCF	Remarks
MV	60%	1229	307	EXP	8	1.3	
GAL	9%	184	46	EXP	8	0.2	
DK	31%	639	319	EXP	7	1.5	DK still cleaning up
Total:	100%					3.0	

Allocation of gas production by reserves:

$$MV = \frac{1.3}{3.0} = 0.43 \text{ or } 43\%$$

$$GAL = \frac{0.2}{3.0} = 0.07 \text{ or } 7\%$$

$$DK = \frac{1.5}{3.0} = 0.50 \text{ or } 50\%$$

Allocation of oil production by GOR:

Average GOR Jicarilla H #7E 94,000
Measured GOR MV Jicarilla H #7E 82,000
Measured GOR DK Jicarilla H #7E 109,000
Estimated GOR Gallup Jicarilla H #7E 91,00

$$MV = \frac{94}{82} (0.43) = 0.49 = 49\%$$

$$GAL = \frac{94}{91} (0.07) = 0.07 = 7\%$$

$$DK = \frac{94}{109} (0.50) = 0.44 = 44\%$$

Attempts to allocate production by use of production logs were not successful because of the dynamic nature of flow in the casing. If I can provide further information please contact me at 325-3587, Ext 272.

Yours truly,

Michael R. Herrington
Petroleum Engineer

MRH:ljm