



May 6, 1981

Mr. Frank Chavez
District Engineer
New Mexico Oil Conservation
Commission
1000 Rio Brazos Road
Aztec, NM 87401



Dear Mr. Chavez:

The following well information is that which is required for downhole commingling of the Chacra and Pictured Cliffs Formation, under Rule 2, Paragraphs A-F, of NMOCD Order No. R-6564.

Paragraph A)

Cotton Petroleum Corporation
717 17th Street, Suite 2200
Denver, Colorado 80202

Paragraph B)

Apache #29 ^C
1850' FWL & 900' FNL, Section 14 T-24N-R4W
Pools to be commingled; Chacra and Pictured Cliffs

Paragraph C)

Copies of open hole logs, see Attachment No. 1

Paragraph D)

Wellbore sketches, see Attachment No. 2

Paragraph E)

Flow test and pressure, see Attachment No. 3

Paragraph F)

Formula for the allocation of production:
This well has been dually completed in the Chacra and PC since September, 1980. The calculated allocation is based on average production from 1/1/81 to 3/31/81. The average Chacra production calculates 11 MCFD. The average PC production calculates 43 MCFD.

Picture Cliffs allocation = $43/54 \times 100 = 80\%$

Mr. Frank Chavez
May 6, 1981
Page two

Chacra allocation = $11/54 \times 100 = 20\%$

If any additional information is neccessary, please contact Mr. Dave Talbott of our office.

Sincerely,

COTTON PETROLEUM CORPORATION

D.E. Wood / DMJ

D.E. Wood
Division Production Manager

DMT/tg





COTTON
PETROLEUM
CORPORATION

COMPLETION
SKETCH

WELL NAME: Apache #29 DFP:
LOCATION: Section 14-T24N-4W 1850' FWL & 900' FNL
FIELD: Wildcat COUNTY: Rio Arriba STATE: New Mexico
PRDCG FM AND INTERVAL: Chacra: 3825-3962'
Picture Cliffs 2964-2996'

KB 6881'

GR 6869'

HOLE Ø
12-1/4"

HOLE Ø
7-7/8"

TUBING TALLY

SIZE	DEPTH	WT/FT	GRDE	THD	CPLG
2-3/8"	3810'		EUE	8-R	

PACKER/ANCHOR: Pkr set @ 3810'

CEMENT TOP:

TD TBG:

PBTD: 4041'

TD: 4072'

PKR @ 2900'

PERFORATED ZONE:

CASING

O.D.	WT/FT	GRDE	CPLG	INTERVAL	N/U
8-5/8"	24#	K-55	ST&C	385'	
4-1/2"	10.5#	K-55	ST&C	4072'	

REMARKS:

PRIMARY CEMENT

300 sxs Class "B" w/2% CaCl ; circ to surface
100 sxs 65/35 snt pipe

PERFORATION

INTERVALS	DENSITY	DESCRIPTION
2964-84' 1 JSPF		
2990-96' 1 JDPF PC		
3825', 26', 28', 39', 40',		
41', 49', 51', 53', 55', 62', 64',		
66', 3900', 5', 13', 17', 19', 21',		
REMARKS: 30', 32', 38', 43', 45', 62' CHACRA		

STIMULATION HISTORY

INTERVAL	FRAC FLUID	SD VOL.	DATE
2964-96'	23,486 g 70% Foam	24,000#	
3825'-3962'	35,5000 g Foam	40,000#	

ORIGINAL ROD STRING

CURRENT ROD STRING

No. RODS	SIZE	TYPE	No. RODS	SIZE	TYPE

PC - 0 BO, 767 MCF, tr wtr, 24 hrs, FCP 50, FTP 51

Chacra - 0 BO, 55 MCF, tr wtr, 24 hrs, FCP 136, FTP 23

IP:

T 24N R 4W

FLM	SONDE	ERROR	CORRECTION :	1.6	MM/M
ILD	SONDE	ERROR	CORRECTION :	3.1	MM/M

	MEASURED			
	BKGD	JIG	CALIBRATED	UNITS
GR	36	194	165	GAPI

	TANK		JIG	
	INPUT	CALIBRATED	MEASURED	CALIBRATED
NRAT	2.250	2.15	2.26	2.16

	BLOCK		JIG		
	INPUT	CALIBRATED	MEASURED	CALIBRATED	UNITS
FFDC	484	337	487	339	CPS
NFDC	948	528	879	489	CPS

CALI	MEASURED		CALIBRATED		UNITS IN
	SMALL	LARGE	SMALL	LARGE	
	9.1	13.6	6.7	12.0	

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PERFORMED: 80/04/04
PROGRAM FILE: SHOP (VERSION 16.4 79/11/20)



	ELECTRONICS CALIBRATION				SONDE ERROR CORR.	TEST LOOP	UNITS
	MEASURED		CALIBRATED				
	ZERO	PLUS	ZERO	PLUS			
ILD	3.5	599.8	0.0	499.8	5.17	494.7	MM/M
ILM	3.7	565.2	0.0	499.9	1.68	500.5	MM/M

(IS:296 , IC:249)