

DISTRICT I

P.O. Box 1980, Hobbs, NM 88240-1980

DISTRICT II

811 South First St. Artesia NM 88210 2835

DISTRICT III

1000 Rio Brazos Rd. Aztec NM 87410-1693

State of New Mexico
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION

2040 S. Pacheco
Santa Fe, New Mexico 87505-6429Form C-107-A
New 3-12-96

APPROVAL PROCESS:

☒ Administrative ☐ Hearing

EXISTING WELLBORE

☒ YES ☐ NO

APPLICATION FOR DOWNHOLE COMMINGLING

Conoco Inc.

10 Desta Dr. Ste 100W, Midland, Tx. 79705-4500

Jicarilla K

14

Section 11, T-25-N, R-5-W, O

Rio Arriba

Lease

Well No

Unit Ltr Sec Twp Rge

County

OGRID NO. 005073

Property Code

18023

API NO.

30-039-20392

Spacing Unit Lease Types: (check 1 or more)

Federal ☒ State ☐ (and/or) Fee ☐

The following facts are submitted in support of downhole commingling:	Upper Zone	Intermediate Zone	Lower Zone
1. Pool Name and Pool Code	Blanco Pictured Cliffs South 72439	Otero Chacra 82329	Blanco Mesaverde 72319
2. TOP and Bottom of Pay Section (Perforations)	3064-3114'	3950-3980'	5075-5510'
3. Type of production (Oil or Gas)	Gas	Gas	Gas
4. Method of Production (Flowing or Artificial Lift)	Flowing	Flowing	To Flow
5. Bottomhole Pressure	a. (Current)	a.	a.
Oil Zones - Artificial Lift: Estimated Current	378	503	560
Gas & Oil - Flowing: Measured Current	b.(Original)	b.	b.
All Gas Zones: Estimated Or Measured Original	1140	1012	1317
6. Oil Gravity ("API) or Gas BT Content	1225	1204	1324
7. Producing or Shut-In?	Producing	Shut-in	To Be Completed
Production Marginal? (yes or no)	Yes	Yes	Yes
• If Shut-In give date and oil/gas/ water rates of last production	Date Rates	Date Rates Est 7/98 24 MCFD, 0 BOPD, 0 BWPD	Date Rates
Note For new zones with no production history applicant shall be required to attach production estimates and supporting data			
• If Producing, date and oil/gas/ water rates of recent test (within 60 days)	Date Rates Est 7/98 14 MCFD, 0 BOPD, 0 BWPD	Date Rates	Date Rates Production to be allocated by subtraction - See attached table
8. Fixed Percentage Allocation Formula - % of each zone	% Gas %	% Gas %	% Gas %

9. If allocation formula is based upon something other than current or past production, or is based upon some other method, submit attachments with supporting data and/or explaining method and providing rate projections or other required data.

10. Are all working, overriding, and royalty interests identical in all commingled zones? ☒ Yes ☐ No
If not, have all working, overriding, and royalty interests been notified by certified mail? ☐ Yes ☒ No
Have all offset operators been given written notice of the proposed downhole commingling? ☒ Yes ☐ No11. Will cross-flow occur? ☒ Yes ☐ No If yes, are fluids compatible, will the formations not be damaged, will any cross-flowed production be recovered, and will the allocation formula be reliable. ☒ Yes ☐ No (If No, attach explanation)12. Are all produced fluids from all commingled zones compatible with each others ☒ Yes ☐ No13. Will the value of production be decreased by commingling? ☐ Yes ☒ No (If Yes, attach explanation)14. If this well is on, or communitized with, state or federal lands, either the Commissioner of Public Lands or the United States Bureau of Land Management has been notified in writing of this application. ☒ Yes ☐ No

15. NMOCD Reference Cases for Rule 303(D) Exceptions: ORDER NO(S). DHC Order # 806

16. ATTACHMENTS

- * C-102 for each zone to be commingled showing its spacing unit and acreage dedication.
- * Production curve for each zone for at least one year. (If not available, attach explanation.)
- * For zones with no production history, estimated production rates and supporting data.
- * Data to support allocation method or formula.
- * Notification list of all offset operators.
- * Notification list of working, overriding and royalty interests for uncommon interest cases.
- * Any additional statements, data, or documents required to support commingling.

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE Kay Maddox TITLE Regulatory Agent DATE February 16, 1998TYPE OR PRINT NAME Kay Maddox TELEPHONE NO. (915) 686-5798

Operator: Conoco Inc. Address: 10 Desta Dr. Ste 100W, Midland, Tx. 79705-4500

Lease: Jicarilla K Well No: 14 Unit Ctr Sec Twp Rge: Section 11, T-25-N, R-5-W, O County: Rio Arriba

OGRID NO. 005073 Property Code 18023 API NO. 30-039-20392 Spacing Unit Lease Types: (check 1 or more)
Federal ☒ State ☐ (and/or) Fee ☐

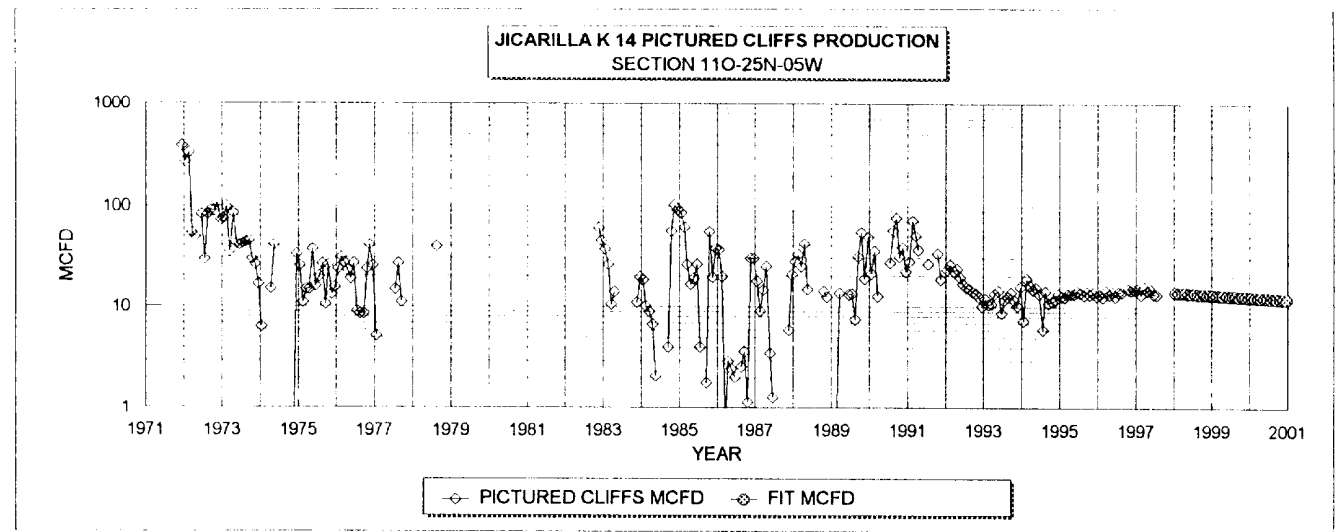
The following facts are submitted in support of downhole commingling:	Upper Zone	Intermediate Zone	<u>Lowest</u> Lower Zone
1. Pool Name and Pool Code			Basin Dakota 71599
2. TOP and Bottom of Pay Section (Perforations)			7262-7278'
3. Type of production (Oil or Gas)			Gas
4. Method of Production (Flowing or Artificial Lift)			Flowing
5. Bottomhole Pressure Oil Zones - Artificial Lift: Gas & Oil - Flowing: All Gas Zones: Estimated Current Measured Current Estimated Or Measured Original	a (Current)	a	a. 949
	b(Original)	b.	b. 2804
6. Oil Gravity (*API) or Gas BT Content			1275
7. Producing or Shut-In?			Shut-in
Production Marginal? (yes or no) • If Shut-In give date and oil/gas/ water rates of last production Note: For new zones with no production history applicant shall be required to attach production estimates and supporting data. • If Producing, date and oil/gas/ water rates of recent test (within 60 days)			Yes
	Date Rates	Date Rates	Date Rates Est 7/98 47 MCFD, 0.7 BOPD, 0 BWPD
	Date Rates	Date Rates	Date Rates
8. Fixed Percentage Allocation Formula - % of each zone	oil: % Gas %	oil: % Gas %	oil: % Gas %

9. If allocation formula is based upon something other than current or past production, or is based upon some other method, submit attachments with supporting data and/or explaining method and providing rate projections or other required data.
10. Are all working, overriding, and royalty interests identical in all commingled zones? ☒ Yes ☐ No
If not, have all working, overriding, and royalty interests been notified by certified mail? ☐ Yes ☐ No
Have all offset operators been given written notice of the proposed downhole commingling? ☒ Yes ☐ No
11. Will cross-flow occur? ☒ Yes ☐ No If yes, are fluids compatible, will the formations not be damaged, will any cross-flowed production be recovered, and will the allocation formula be reliable. ☒ Yes ☐ No (If No, attach explanation)
12. Are all produced fluids from all commingled zones compatible with each others ☒ Yes ☐ No
13. Will the value of production be decreased by commingling? ☐ Yes ☒ No (If Yes, attach explanation)
14. If this well is on, or communitized with, state or federal lands, either the Commissioner of Public Lands or the United States Bureau of Land Management has been notified in writing of this application. ☒ Yes ☐ No
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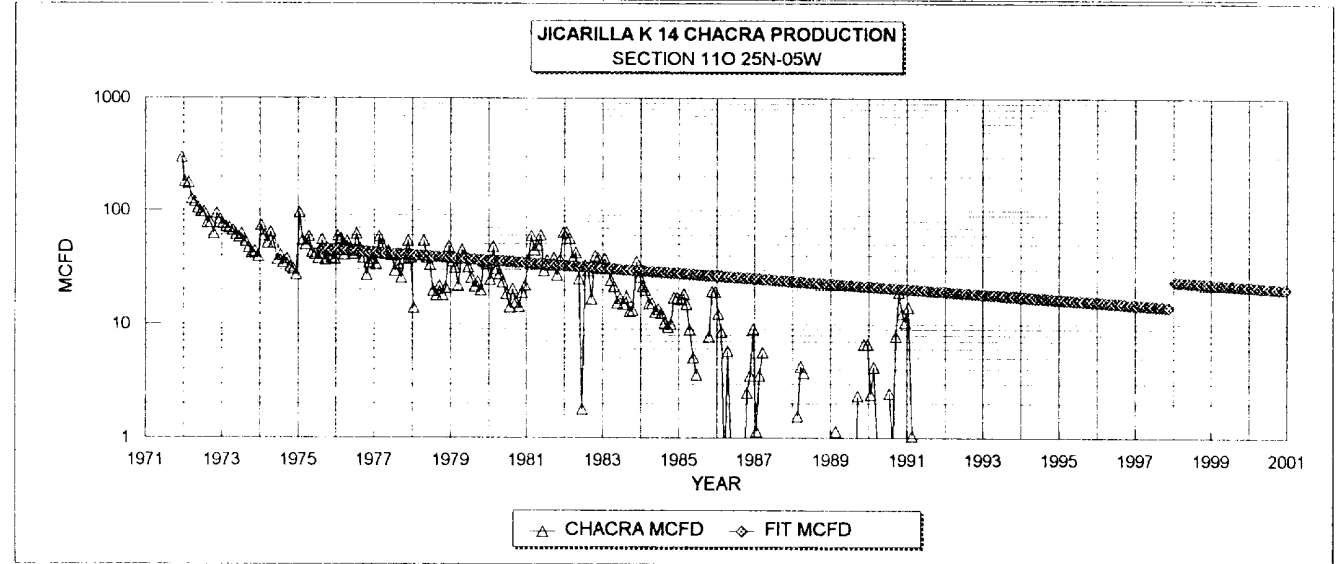
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SIGNATURE Kay Maddox TITLE Regulatory Agent DATE February 16, 1998

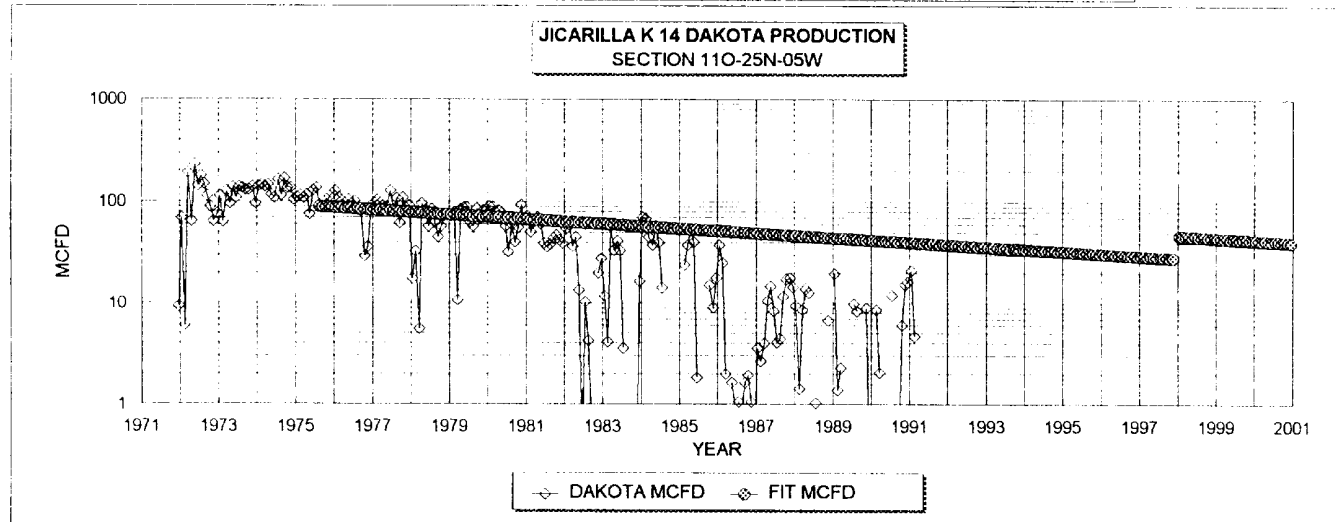
TYPE OR PRINT NAME Kay Maddox TELEPHONE NO. (915) 686-5798



PICTURED CLIFFS HISTORICAL DATA: 1ST PROD: 12/71		PIC. CLIFFS PROJECTED DATA	
OIL CUM:	0.11 MBO	7/1/98 Qi:	14 MCFD
GAS CUM:	179.9 MMCF	DECLINE RATE:	5.1% (EXPONENTIAL)
OIL YIELD:	0.0008 BBL/MCF		



CHACRA HISTORICAL DATA: 1ST PROD: 12/71		CHACRA PROJECTED DATA	
OIL CUM:	0.0 MBO	7/1/98 Qi:	24 MCFD
GAS CUM:	214.3 MMCF	DECLINE RATE:	5.1% (EXPONENTIAL)
OIL YIELD:	0.0000 BBL/MCF		



DAKOTA HISTORICAL DATA 1ST PROD: 12/71		DAKOTA PROJECTED DATA	
OIL CUM:	5.8 MBO	7/1/98 Qi:	47 MCFD
GAS CUM:	374.0 MMCF	DECLINE RATE:	5.1% (EXPONENTIAL)
OIL YIELD:	0.0156 BBL/MCF		

FIXED COMMINGLE ALLOCATION FACTORS:			
	GAS	OIL	GAS ALLOCATION BASED ON PROJECTED 1998 RATES
PIC. CLIFFS	17%	0%	OIL ALLOCATION BASED ON WEIGHTED CUM OIL YIELDS
CHACRA	28%	0%	
DAKOTA	55%	100%	

NOTE: ALL PRODUCTION DATA FROM DWIGHTS ENERGYDATA

JICARILLA K 14: PICTURED CLIFFS, CHACRA, AND DAKOTA FORECAST FOR SUBTRACTION COMMINGLE WITH MESAVERDE
110-25N-05W

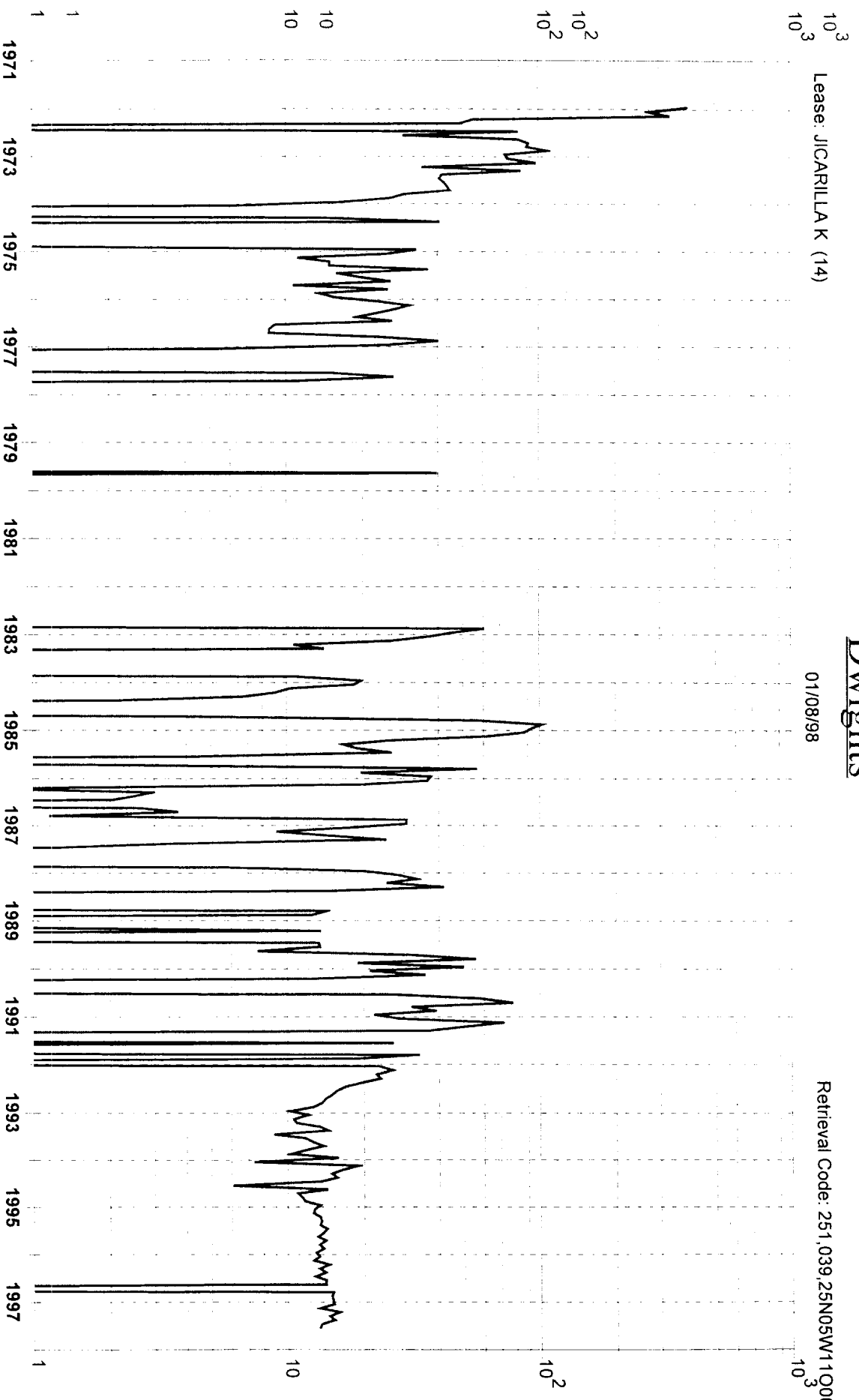
(7-12/98 AVG)	PICT. CLIFFS				CHACRA				DAKOTA				TOTAL				PICT. CLIFFS			CHACRA			DAKOTA		
	YEAR	MCFD	MCFD	MCFD	MCFD	MCFD	MCFD	MCFD	MCFD	MCFD	MCFD	MCFD	MCFD	MCFD	MCFD	MCFD	OIL; BOPD	OIL; BOPD	OIL; BOPD	OIL; BOPD	OIL; BOPD	OIL; BOPD	OIL; BOPD	OIL; BOPD	OIL; BOPD
(7-12/98 AVG)	1998	14	23	46	83	0.0	0.0	0.7	0.0	0.0	0.7	0.0	0.0	0.7	0.0	0.0	0.7	0.0	0.0	0.7	0.0	0.0	0.7	0.0	0.0
	1999	13	23	44	80	0.0	0.0	0.7	0.0	0.0	0.7	0.0	0.0	0.7	0.0	0.0	0.7	0.0	0.0	0.7	0.0	0.0	0.7	0.0	0.0
	2000	13	21	42	76	0.0	0.0	0.7	0.0	0.0	0.7	0.0	0.0	0.7	0.0	0.0	0.7	0.0	0.0	0.7	0.0	0.0	0.7	0.0	0.0
	2001	12	20	40	72	0.0	0.0	0.6	0.0	0.0	0.6	0.0	0.0	0.6	0.0	0.0	0.6	0.0	0.0	0.6	0.0	0.0	0.6	0.0	0.0
	2002	11	19	38	68	0.0	0.0	0.6	0.0	0.0	0.6	0.0	0.0	0.6	0.0	0.0	0.6	0.0	0.0	0.6	0.0	0.0	0.6	0.0	0.0
	2003	11	18	36	65	0.0	0.0	0.6	0.0	0.0	0.6	0.0	0.0	0.6	0.0	0.0	0.6	0.0	0.0	0.6	0.0	0.0	0.6	0.0	0.0
	2004	10	17	34	62	0.0	0.0	0.5	0.0	0.0	0.5	0.0	0.0	0.5	0.0	0.0	0.5	0.0	0.0	0.5	0.0	0.0	0.5	0.0	0.0
	2005	10	16	32	59	0.0	0.0	0.5	0.0	0.0	0.5	0.0	0.0	0.5	0.0	0.0	0.5	0.0	0.0	0.5	0.0	0.0	0.5	0.0	0.0
	2006	9	16	31	56	0.0	0.0	0.5	0.0	0.0	0.5	0.0	0.0	0.5	0.0	0.0	0.5	0.0	0.0	0.5	0.0	0.0	0.5	0.0	0.0
	2007	9	15	29	53	0.0	0.0	0.5	0.0	0.0	0.5	0.0	0.0	0.5	0.0	0.0	0.5	0.0	0.0	0.5	0.0	0.0	0.5	0.0	0.0
	2008	8	14	28	50	0.0	0.0	0.4	0.0	0.0	0.4	0.0	0.0	0.4	0.0	0.0	0.4	0.0	0.0	0.4	0.0	0.0	0.4	0.0	0.0
	2009	8	13	26	47	0.0	0.0	0.4	0.0	0.0	0.4	0.0	0.0	0.4	0.0	0.0	0.4	0.0	0.0	0.4	0.0	0.0	0.4	0.0	0.0
	2010	7	13	25	45	0.0	0.0	0.4	0.0	0.0	0.4	0.0	0.0	0.4	0.0	0.0	0.4	0.0	0.0	0.4	0.0	0.0	0.4	0.0	0.0
	2011	7	12	24	43	0.0	0.0	0.4	0.0	0.0	0.4	0.0	0.0	0.4	0.0	0.0	0.4	0.0	0.0	0.4	0.0	0.0	0.4	0.0	0.0
	2012	7	11	22	41	0.0	0.0	0.3	0.0	0.0	0.3	0.0	0.0	0.3	0.0	0.0	0.3	0.0	0.0	0.3	0.0	0.0	0.3	0.0	0.0
	2013	6	11	21	38	0.0	0.0	0.3	0.0	0.0	0.3	0.0	0.0	0.3	0.0	0.0	0.3	0.0	0.0	0.3	0.0	0.0	0.3	0.0	0.0
	2014	6	10	20	37	0.0	0.0	0.3	0.0	0.0	0.3	0.0	0.0	0.3	0.0	0.0	0.3	0.0	0.0	0.3	0.0	0.0	0.3	0.0	0.0
	2015	6	10	19	35	0.0	0.0	0.3	0.0	0.0	0.3	0.0	0.0	0.3	0.0	0.0	0.3	0.0	0.0	0.3	0.0	0.0	0.3	0.0	0.0
	2016	5	9	18	33	0.0	0.0	0.3	0.0	0.0	0.3	0.0	0.0	0.3	0.0	0.0	0.3	0.0	0.0	0.3	0.0	0.0	0.3	0.0	0.0
	2017	5	8	17	31	0.0	0.0	0.3	0.0	0.0	0.3	0.0	0.0	0.3	0.0	0.0	0.3	0.0	0.0	0.3	0.0	0.0	0.3	0.0	0.0
	2018	5	8	16	30	0.0	0.0	0.3	0.0	0.0	0.3	0.0	0.0	0.3	0.0	0.0	0.3	0.0	0.0	0.3	0.0	0.0	0.3	0.0	0.0
	2019	5	8	16	28	0.0	0.0	0.2	0.0	0.0	0.2	0.0	0.0	0.2	0.0	0.0	0.2	0.0	0.0	0.2	0.0	0.0	0.2	0.0	0.0
	2020	4	8	15	27	0.0	0.0	0.2	0.0	0.0	0.2	0.0	0.0	0.2	0.0	0.0	0.2	0.0	0.0	0.2	0.0	0.0	0.2	0.0	0.0
	2021	4	7	14	25	0.0	0.0	0.2	0.0	0.0	0.2	0.0	0.0	0.2	0.0	0.0	0.2	0.0	0.0	0.2	0.0	0.0	0.2	0.0	0.0
	2022	4	7	13	24	0.0	0.0	0.2	0.0	0.0	0.2	0.0	0.0	0.2	0.0	0.0	0.2	0.0	0.0	0.2	0.0	0.0	0.2	0.0	0.0
	2023	4	6	13	23	0.0	0.0	0.2	0.0	0.0	0.2	0.0	0.0	0.2	0.0	0.0	0.2	0.0	0.0	0.2	0.0	0.0	0.2	0.0	0.0
	2024	4	6	12	22	0.0	0.0	0.2	0.0	0.0	0.2	0.0	0.0	0.2	0.0	0.0	0.2	0.0	0.0	0.2	0.0	0.0	0.2	0.0	0.0
	2025	3	6	11	21	0.0	0.0	0.2	0.0	0.0	0.2	0.0	0.0	0.2	0.0	0.0	0.2	0.0	0.0	0.2	0.0	0.0	0.2	0.0	0.0
	2026	3	5	11	19	0.0	0.0	0.2	0.0	0.0	0.2	0.0	0.0	0.2	0.0	0.0	0.2	0.0	0.0	0.2	0.0	0.0	0.2	0.0	0.0
	2027	3	5	10	18	0.0	0.0	0.2	0.0	0.0	0.2	0.0	0.0	0.2	0.0	0.0	0.2	0.0	0.0	0.2	0.0	0.0	0.2	0.0	0.0
	2028	3	5	10	18	0.0	0.0	0.2	0.0	0.0	0.2	0.0	0.0	0.2	0.0	0.0	0.2	0.0	0.0	0.2	0.0	0.0	0.2	0.0	0.0
	2029	3	5	9	17	0.0	0.0	0.1	0.0	0.0	0.1	0.0	0.0	0.1	0.0	0.0	0.1	0.0	0.0	0.1	0.0	0.0	0.1	0.0	0.0
	2030	3	4	9	16	0.0	0.0	0.1	0.0	0.0	0.1	0.0	0.0	0.1	0.0	0.0	0.1	0.0	0.0	0.1	0.0	0.0	0.1	0.0	0.0
	2031	2	4	8	15	0.0	0.0	0.1	0.0	0.0	0.1	0.0	0.0	0.1	0.0	0.0	0.1	0.0	0.0	0.1	0.0	0.0	0.1	0.0	0.0
	2032	2	4	8	14	0.0	0.0	0.1	0.0	0.0	0.1	0.0	0.0	0.1	0.0	0.0	0.1	0.0	0.0	0.1	0.0	0.0	0.1	0.0	0.0
	2033	2	4	7	14	0.0	0.0	0.1	0.0	0.0	0.1	0.0	0.0	0.1	0.0	0.0	0.1	0.0	0.0	0.1	0.0	0.0	0.1	0.0	0.0
	2034	2	4	7	13	0.0	0.0	0.1	0.0	0.0	0.1	0.0	0.0	0.1	0.0	0.0	0.1	0.0	0.0	0.1	0.0	0.0	0.1	0.0	0.0
	2035	2	3	7	12	0.0	0.0	0.1	0.0	0.0	0.1	0.0	0.0	0.1	0.0	0.0	0.1	0.0	0.0	0.1	0.0	0.0	0.1	0.0	0.0
	2036	2	3	6	12	0.0	0.0	0.1	0.0	0.0	0.1	0.0	0.0	0.1	0.0	0.0	0.1	0.0	0.0	0.1	0.0	0.0	0.1	0.0	0.0
	2037	2	3	6	11	0.0	0.0	0.1	0.0	0.0	0.1	0.0	0.0	0.1	0.0	0.0	0.1	0.0	0.0	0.1	0.0	0.0	0.1	0.0	0.0
	2038	2	3	6	10	0.0	0.0	0.1	0.0	0.0	0.1	0.0	0.0	0.1	0.0	0.0	0.1	0.0	0.0	0.1	0.0	0.0	0.1	0.0	0.0
	2039	2	3	5	10	0.0	0.0	0.1	0.0	0.0	0.1	0.0	0.0	0.1	0.0	0.0	0.1	0.0	0.0	0.1	0.0	0.0	0.1	0.0	0.0
	2040	2	3	5	9	0.0	0.0	0.1	0.0	0.0	0.1	0.0	0.0	0.1	0.0	0.0	0.1	0.0	0.0	0.1	0.0	0.0	0.1	0.0	0.0
	2041	1	3	5	9	0.0	0.0	0.1	0.0	0.0	0.1	0.0	0.0	0.1	0.0	0.0	0.1	0.0	0.0	0.1	0.0	0.0	0.1	0.0	0.0
	2042	1	2	5	8	0.0	0.0	0.1	0.0	0.0	0.1	0.0	0.0	0.1	0.0	0.0	0.1	0.0	0.0	0.1	0.0	0.0	0.1	0.0	0.0
	2043	1	2	4	8	0.0	0.0	0.1	0.0	0.0	0.1	0.0	0.0	0.1	0.0	0.0	0.1	0.0	0.0	0.1	0.0	0.0	0.1	0.0	0.0
	2044	1	2	4	8	0.0	0.0	0.1	0.0	0.0	0.1	0.0	0.0	0.1	0.0	0.0	0.1	0.0	0.0	0.1	0.0	0.0	0.1	0.0	0.0
	2045	1	2	4	7	0.0	0.0	0.1	0.0	0.0	0.1	0.0	0.0	0.1	0.0	0.0	0.1	0.0	0.0	0.1	0.0	0.0	0.1	0.0	0.0
	2046	1	2	4	7	0.0	0.0	0.1	0.0	0.0	0.1	0.0	0.0	0.1	0.0	0.0	0.1	0.0	0.0	0.1	0.0	0.0	0.1	0.0	0.0
	2047	1	2	4	6	0.0	0.0	0.1	0.0	0.0	0.1	0.0	0.0	0.1	0.0	0.0	0.1	0.0	0.0	0.1	0.0	0.0	0.1	0.0	0.0
	2048	1	2	3	6	0.0	0.0	0.1	0.0	0.0	0.1	0.0	0.0	0.1	0.0	0.0	0.1	0.0	0.0	0.1	0.0	0.0	0.1	0.0	0.0
	2049	1	2	3	6	0.0	0.0	0.1	0.0	0.0	0.1	0.0	0.0	0.1	0.0	0.0	0.1	0.0	0.0	0.1	0.0	0.0	0.1	0.0	0.0
	2050	1	2	3	6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Dwights

Lease: JICARILLA K (14)

01/08/98

Retrieval Code: 251.039.25N05W11Q00PC



Gas (mcf/day)

County: RIO ARRIBA, NM

F.P. Date: 12/71

Water (bbl/day)

Oil (bbl/day)

Field: BLANCO SOUTH (PICTURE CLIFFS) PC Oil Cum: 106 bbl

Reservoir: PICTURE CLIFFS

Gas Cum: 179.8 mmcf

Operator: CONOCO INC

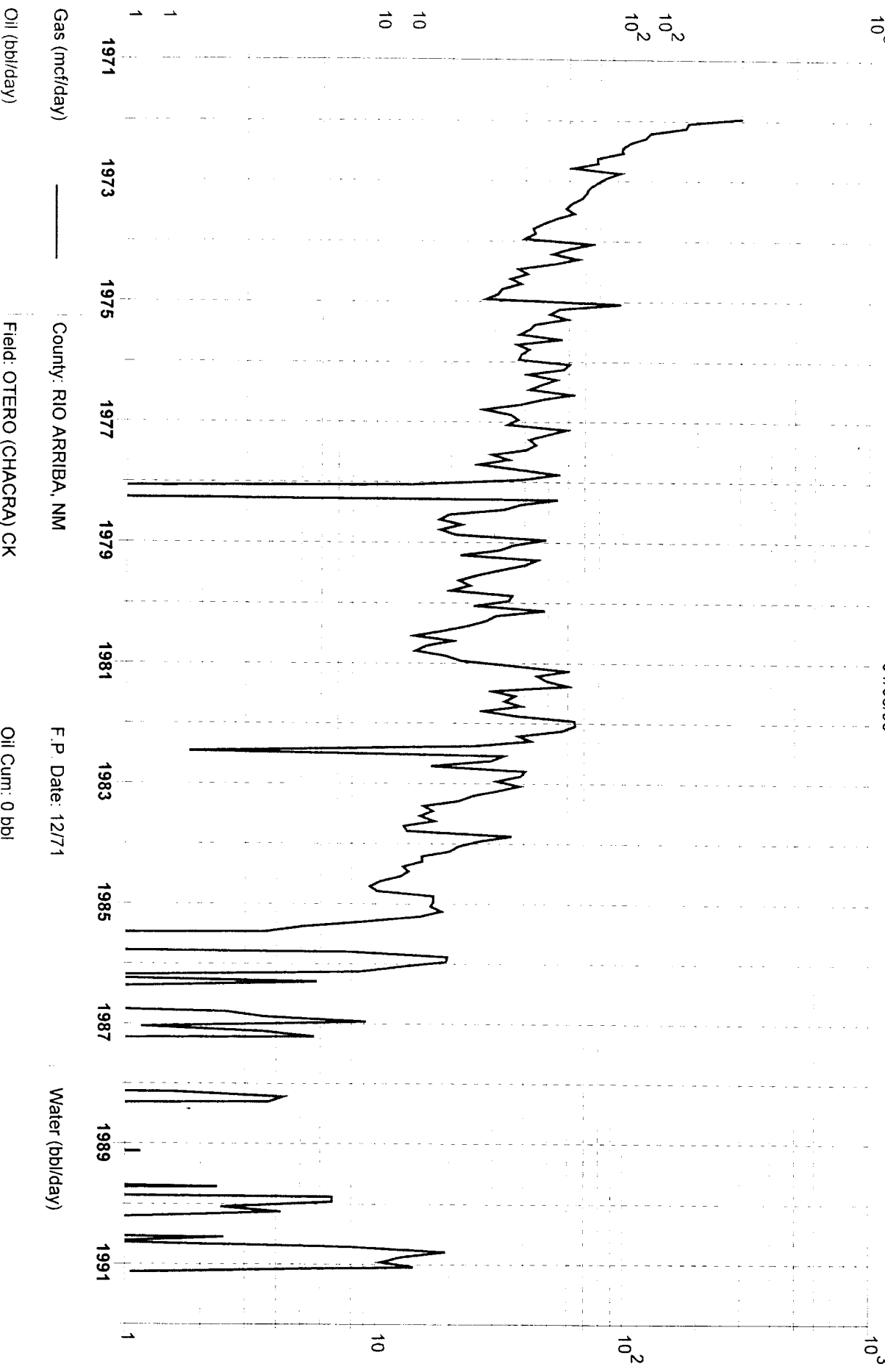
Location: 11O 25N 5W

Dwights

Lease: JICARILLA K (000014)

01/08/98

Retrieval Code: 251,039,25N05W11O00CK



Gas (mmcf/day)

County: RIO ARRIBA, NM

F.P. Date: 12/71

Water (bbl/day)

Oil (bbl/day)

Field: OTERO (CHACRA) CK

Oil Cum: 0 bbl

Reservoir: CHACRA

Gas Cum: 214.3 mmcf

Operator: MERIT ENERGY CORP

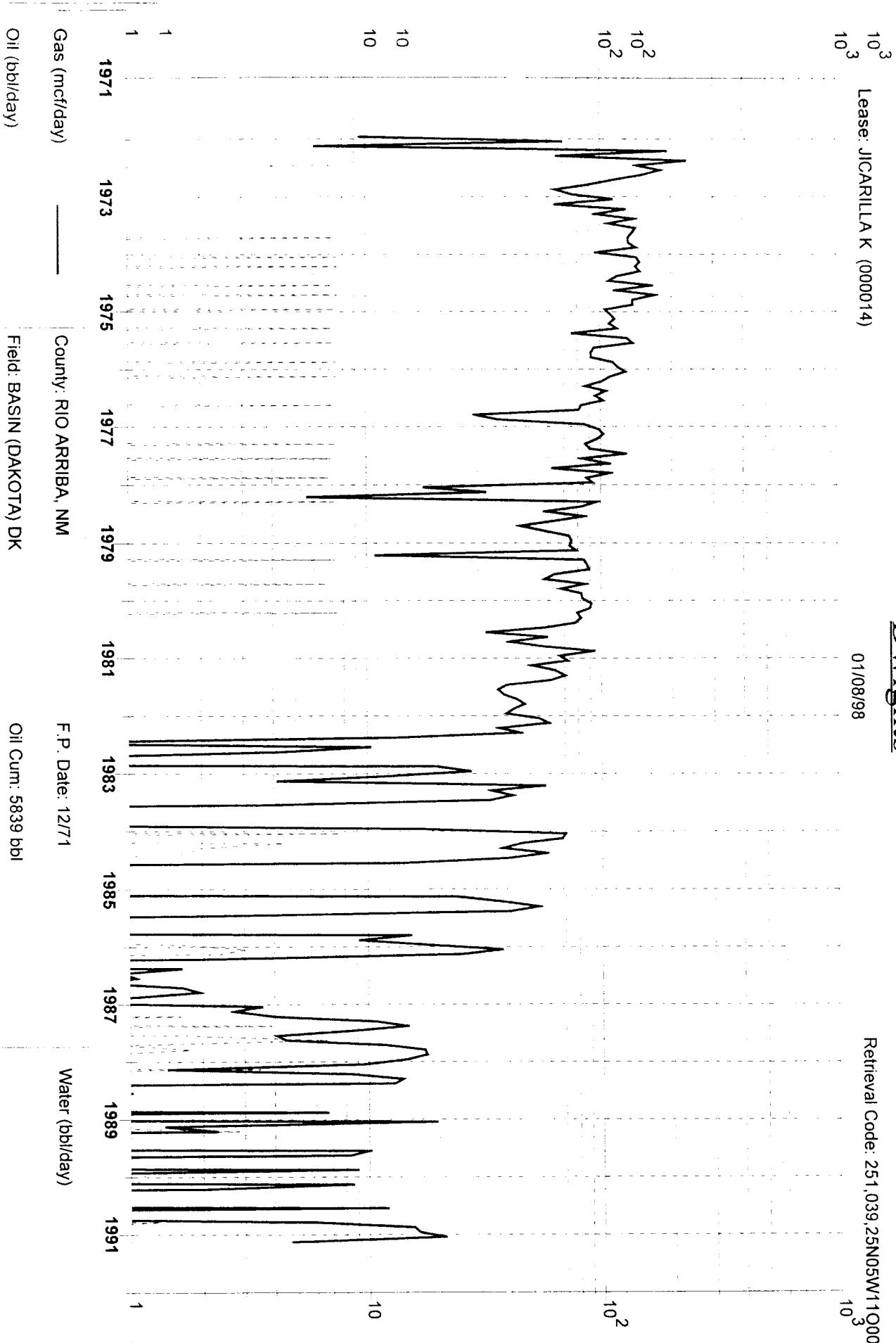
Location: 11O 25N 5W

Dwights

Lease: JICARILLA K (000014)

01/08/98

Retrieval Code: 251,039,25N05W11O00DK



County: RIO ARriba, NM

F.P. Date: 12/71

Field: BASIN (DAKOTA) DK

Oil Cum: 5839 bbl

Reservoir: DAKOTA

Gas Cum: 374.0 mmcf

Operator: MERIT ENERGY CORP

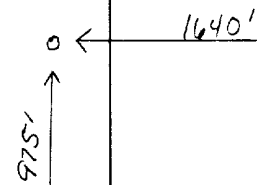
Location: 11O 25N 5W

District IV
PO Box 2088, Santa Fe, NM 87504-2088

PO Box 2088
Santa Fe, NM 87504-2088

Fee Lease - 3 Copies

☐ AMENDED REPORT

16				17 OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief  Signature Kay Maddox Printed Name Regulatory Agent Title 2/16/98 Date
				18 SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief. Date of Survey Signature and Seal of Professional Surveyor: Certificate Number
				

**LW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT**

Form No. 1
Supersedes Form
No. 1-1-1

All distances must be from the outer boundaries of the Section

OWNER SOUTHERN UNION PRODUCTION COMPANY		WELL NAME CHACRA		SECTION 11		TOWNSHIP 25 NORTH		RANGE 5 EAST		COUNTY CHIAPA	
ACREAGE 975		DIRECTION SOUTH		DISTANCE 1640		DIRECTION EAST		DISTANCE 1640		DIRECTION EAST	
ACREAGE 6787.0		CHACRA		OTERO CHACRA EXT.							

1. Outline the acreage dedicated to the subject well by colored pencil or by red ink.
2. If more than one lease is dedicated to the well, outline each and identify the ownership (including interest and royalty).
3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc?

☐ Yes ☐ No If answer is "yes," type of consolidation _____

If answer is "no," list the owners and tract descriptions which have actually been consolidated (fill in spaces on this form if necessary.) _____

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, force-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission.

CERTIFICATION

I hereby certify that the well location and acreage information shown on this plat is true and correct to the best of my knowledge and belief.

GILBERT D. MO AND ASSOCIATES

DRILLING SUPERINTENDENT

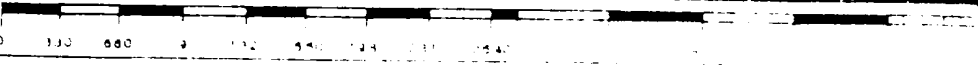
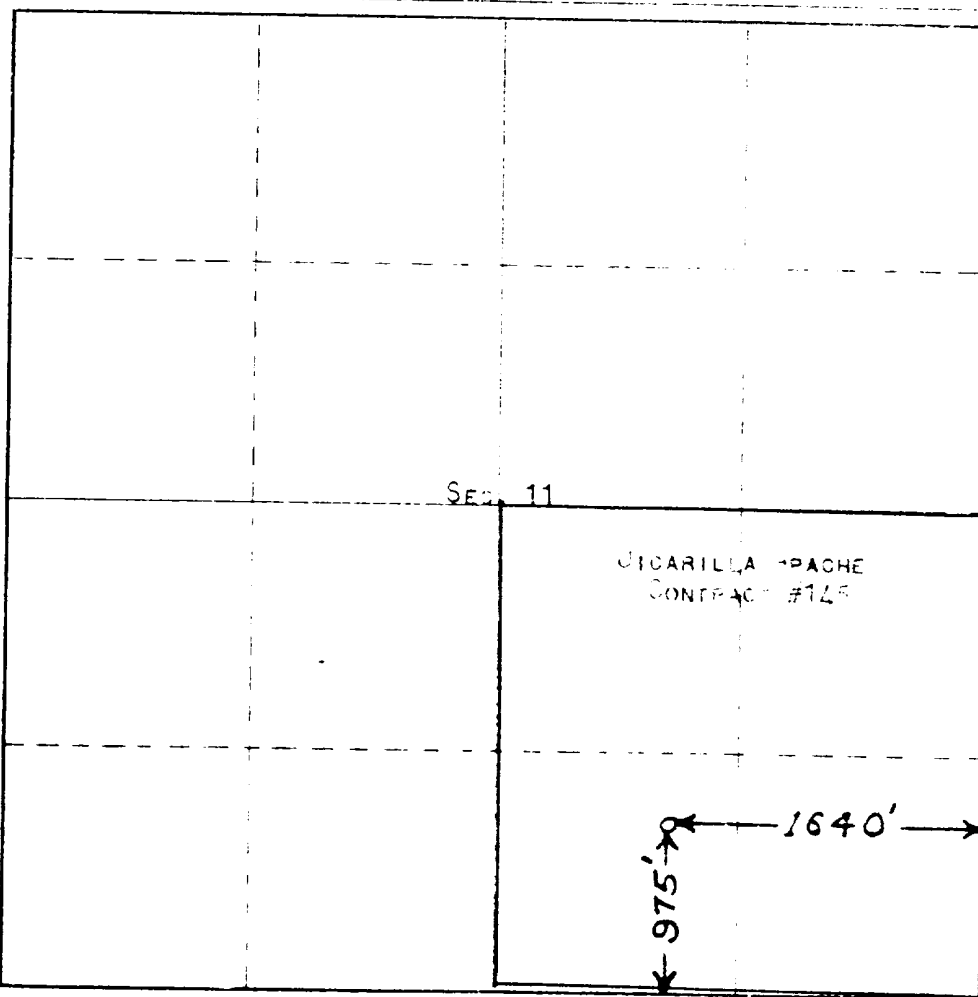
SOUTHERN UNION PRODUCTION COMPANY

NOVEMBER 3, 1977

I hereby certify that the well location and acreage information shown on this plat is true and correct to the best of my knowledge and belief.

1824 JUNE 1, 1977

JAMES F. FOSTER



All distances must be from the outer boundaries of the Section

21.

25. 11. 1944

1000 1000
 1000 1000

SE/4 160 PICTURED CLIF
E/2 320 DAKOTA

SAN JUAN ENGINEERING COMPANY, FARMINGTON, N. M.

10

Conoco, Inc.
Jicarilla K #14
Section 11, T-25-N, R-5-W, O
Rio Arriba County, New Mexico

RE: Application for Downhole Commingling

Offset Operators:

Conoco, Inc. Is the only offset operator