DATE 8/8/02	SUSPENSE 8/28/02	ENGINEER WJ	LOGGED IN KV	TYPE AMEND #508 PC	APP NO.

ABOVE THIS LINE FOR DIVISION USE ONLY

NEW MEXICO OIL CONSERVATION DIVISION

- Engineering Bureau -

1220 South St. Francis Drive, Santa Fe, NM 87505

ADMINISTRATIVE APPLICATION CHECKLIST

THIS CHECKLIST IS MANDATORY FOR ALL ADMINISTRATIVE APPLICATIONS FOR EXCEPTIONS TO DIVISION RULES AND REGULATIONS WHICH REQUIRE PROCESSING AT THE DIVISION LEVEL IN SANTA FE

Application Acronyms:

[NSL-Non-Standard Location] [NSP-Non-Standard Proration Unit] [SD-Simultaneous Dedication]
[DHC-Downhole Commingling] [CTB-Lease Commingling] [PLC-Pool/Lease Commingling]
[PC-Pool Commingling] [OLS - Off-Lease Storage] [OLM-Off-Lease Measurement]
[WFX-Waterflood Expansion] [PMX-Pressure Maintenance Expansion]
[SWD-Salt Water Disposal] [IPI-Injection Pressure Increase]
[EOR-Qualified Enhanced Oil Recovery Certification] [PPR-Positive Production Response]

[1] **TYPE OF APPLICATION** - Check Those Which Apply for [A]

[A] Location - Spacing Unit - Simultaneous Dedication
☐ NSL ☐ NSP ☐ SD

Check One Only for [B] or [C]

[B] Commingling - Storage - Measurement
☐ DHC ☐ CTB ☐ PLC ☐ PC ☐ OLS ☐ OLM

[C] Injection - Disposal - Pressure Increase - Enhanced Oil Recovery
☐ WFX ☐ PMX ☐ SWD ☐ IPI ☐ EOR ☐ PPR

[D] Other: Specify _____

02 AUG -8 PM 2:22

[2] **NOTIFICATION REQUIRED TO:** - Check Those Which Apply, or Does Not Apply

[A] ☐ Working, Royalty or Overriding Royalty Interest Owners

[B] ☐ Offset Operators, Leaseholders or Surface Owner

[C] ☐ Application is One Which Requires Published Legal Notice

[D] ☒ Notification and/or Concurrent Approval by BLM or SLO
U.S. Bureau of Land Management - Commissioner of Public Lands, State Land Office

[E] ☐ For all of the above, Proof of Notification or Publication is Attached, and/or,

[F] ☐ Waivers are Attached

[3] **SUBMIT ACCURATE AND COMPLETE INFORMATION REQUIRED TO PROCESS THE TYPE OF APPLICATION INDICATED ABOVE.**

[4] **CERTIFICATION:** I hereby certify that the information submitted with this application for administrative approval is **accurate** and **complete** to the best of my knowledge. I also understand that **no action** will be taken on this application until the required information and notifications are submitted to the Division.

Note: Statement must be completed by an individual with managerial and/or supervisory capacity.

Yolanda Perez	Yolanda Perez	Sr. Regulatory Analyst	8/8/02
Print or Type Name	Signature	Title	Date

yolanda.perez@conoco.com
e-mail Address

Yolanda Perez
Sr. Regulatory Analyst
San Juan Asset Team
Exploration-Production USSA

Conoco Inc.
P. O. Box 2197, DU 3084
Houston, TX 77252-2197
(281) 293-1613 fax (281) 293-5090

August 8, 2002

New Mexico Oil Conservation Division
1220 So. St. Francis Drive
Santa Fe, NM 87505

RE: **Application to surface commingle Conoco operated Jicarilla "A" Well No. 13**
API 30-039-20395, Section 13, T26N, R4W, Unit Ltr. E
Rio Arriba County, New Mexico

Gentlemen:

By way of this application, Conoco respectfully requests approval to surface commingle all zones currently completed in the above mentioned well. The "A" 13 is currently a dual completion, with Tapacito Pictured Cliffs in combination with downhole commingled Blanco Mesaverde and Basin Dakota. Working, net revenue, and royalty interests are identical for all producing horizons.

The following items are submitted in support of this application:

Exhibit A is a plat of the lease with the subject well identified.
Exhibit B contains production volume reports of zones completed in the well.
Exhibit C contains gas analysis reports for zones completed in the subject well.
Exhibit D is a schematic of the facilities for subject well.
Exhibit E is a wellbore diagram of the subject well. Completion information is included.
Exhibit F is a copy of administrative order DHC-1334 for the Mesaverde and Dakota, as well as proposed allocation percentages for a surface commingled Pictured Cliffs, Mesaverde, and Dakota wellbore.

The Jicarilla "A" 13 was shut-in in October 2001 following a failed packer leakage test. At that time, only the Pictured Cliffs was producing. In February 2002, the "A" 13 was successfully worked over and production was restored from all three producing horizons. Note that since the February 2002 workover, only the downhole commingled Mesaverde and Dakota intervals have been producing to sales; the Pictured Cliffs has remained shut-in due to having only one meter on location. Pictured Cliffs production potential (~35 MCFPD) is insufficient to justify expenditures necessary to install an additional meter run and associated facilities at this location. In order to bring the Pictured Cliffs formation back online this year, Conoco will need to obtain approval to surface commingle Pictured Cliffs production with the downhole commingled, Mesaverde/Dakota flowstream.

The current gas production rate for the commingled Mesaverde/Dakota flowstream ranges from 190 to 210 MCFPD. Pictured Cliffs is expected to produce an additional 35 Mcfpd. Production allocation for the Pictured Cliffs will be determined by the subtraction method (surface commingled production rate of all three zones less the current production & forecast of the combined Mesaverde/Dakota flowstream). The Mesaverde and Dakota gas and oil is allocated based on the current allocation shown in order DHC-1334. Pictured Cliffs gas is dry, therefore, no oil will be allocated to this formation.

NOTE : The Jicarilla "A" 13 was previously approved for surface commingle with other Jicarilla A lease wells in order PLC-108-D. The proposed work to surface commingle Jicarilla "A" 13 with the other wells has not yet been completed.

If you have any questions or require any further information, please feel free to contact me at (281) 293-1613.

Sincerely,

Yolanda Perez
Regulatory Analyst
Lobo/San Juan Asset

CONOCO INC.
JICARILLA A-13 SURFACE COMMINGLE

EXHIBIT A

Lease Plat

Insert

Color Page/Photo

Here

CONOCO INC.
JICARILLA A-13 SURFACE COMMINGLE

EXHIBIT B

Production Volume Reports

Insert

Color Page/Photo

Here

Insert

Color Page/Photo

Here

Insert

Color Page/Photo

Here

Well: JICARILLA A - 13_PC

Well Time Graph Report

Date	WI Cal Day Oil	WI Cal Day Gas1	WI Cal Day Water	WI Cal Day Gas FC 1	WI Cum Gas1
	Bbl/d	mcf/d	Bbl/d	mcf/d	MMSCF
1971 01	---	---	---	---	---
1971 02	---	---	---	---	---
1971 03	---	---	---	---	---
1971 04	---	---	---	---	---
1971 05	---	---	---	---	---
1971 06	---	---	---	---	---
1971 07	---	---	---	---	---
1971 08	---	---	---	---	---
1971 09	---	---	---	---	---
1971 10	---	---	---	---	---
1971 11	---	---	---	---	---
1971 12	---	785.81	---	390.73	24.36
1972 01	---	512.61	---	374.95	40.25
1972 02	---	503.07	---	360.25	54.84
1972 03	---	431.58	---	346.54	68.22
1972 04	---	319.03	---	333.71	77.79
1972 05	---	288.16	---	321.69	86.72
1972 06	---	301.00	---	310.41	95.75
1972 07	---	256.13	---	299.81	103.69
1972 08	---	245.94	---	289.82	111.32
1972 09	---	---	---	280.40	111.32
1972 10	---	265.29	---	271.51	119.54
1972 11	---	345.13	---	263.09	129.90
1972 12	---	244.32	---	255.13	137.47
1973 01	---	237.94	---	247.58	144.85
1973 02	---	245.39	---	240.41	151.72
1973 03	---	200.48	---	233.59	157.93
1973 04	---	170.67	---	227.11	163.05
1973 05	---	192.23	---	220.93	169.01
1973 06	---	225.50	---	215.05	175.78
1973 07	---	182.74	---	209.43	181.44
1973 08	---	173.29	---	204.07	186.81
1973 09	---	195.27	---	198.94	192.67
1973 10	---	187.55	---	194.03	198.48
1973 11	---	199.53	---	189.33	204.47
1973 12	---	164.61	---	184.83	209.57
1974 01	---	166.32	---	180.51	214.73
1974 02	---	166.14	---	176.36	219.38
1974 03	---	135.03	---	172.38	223.57
1974 04	---	170.03	---	168.55	228.67
1974 05	---	154.13	---	164.87	233.45
1974 06	---	149.67	---	161.33	237.94
1974 07	---	152.65	---	157.92	242.67
1974 08	---	154.55	---	154.64	247.46
1974 09	---	152.70	---	151.47	252.04
1974 10	---	147.61	---	148.41	256.62
1974 11	---	172.60	---	145.46	261.79
1974 12	---	117.45	---	142.61	265.43
1975 01	---	185.45	---	139.86	271.18
1975 02	---	152.54	---	137.20	275.45
1975 03	---	95.68	---	134.62	278.42
1975 04	---	126.77	---	132.13	282.22
1975 05	---	128.16	---	129.72	286.20
1975 06	---	96.43	---	127.39	289.09
1975 07	---	115.42	---	125.13	292.67

Well: JICARILLA A - 13_PC

Well Time Graph Report

Date	WI Cal Day Oil	WI Cal Day Gas1	WI Cal Day Water	WI Cal Day Gas FC 1	WI Cum Gas1
	Bbl/d	mcf/d	Bbl/d	mcf/d	MMSCF
1975 08	---	109.10	---	122.93	296.05
1975 09	---	139.40	---	120.81	300.23
1975 10	---	135.61	---	118.75	304.44
1975 11	---	144.60	---	116.74	308.77
1975 12	---	134.19	---	114.80	312.93
1976 01	---	149.81	---	112.91	317.58
1976 02	---	155.45	---	111.08	322.09
1976 03	---	118.48	---	109.30	325.76
1976 04	---	145.10	---	107.56	330.11
1976 05	---	123.19	---	105.88	333.93
1976 06	---	108.20	---	104.24	337.18
1976 07	---	133.84	---	102.64	341.33
1976 08	---	99.23	---	101.09	344.40
1976 09	---	57.73	---	99.58	346.13
1976 10	---	25.71	---	98.11	346.93
1976 11	---	4.13	---	96.67	347.05
1976 12	---	170.77	---	95.27	352.35
1977 01	---	133.58	---	93.91	356.49
1977 02	---	152.39	---	92.58	360.76
1977 03	---	109.26	---	91.28	364.14
1977 04	---	124.23	---	90.01	367.87
1977 05	---	116.55	---	133.98	371.48
1977 06	---	79.63	---	133.34	373.87
1977 07	---	142.42	---	132.71	378.29
1977 08	---	163.06	---	132.08	383.34
1977 09	---	61.43	---	131.45	385.19
1977 10	---	156.23	---	130.83	390.03
1977 11	---	88.63	---	130.20	392.69
1977 12	---	106.77	---	129.58	396.00
1978 01	---	49.06	---	128.97	397.52
1978 02	---	99.68	---	128.35	400.31
1978 03	---	108.13	---	127.74	403.66
1978 04	---	71.87	---	127.14	405.82
1978 05	---	67.90	---	126.53	407.92
1978 06	---	43.67	---	125.93	409.23
1978 07	---	2.61	---	125.33	409.31
1978 08	---	---	---	124.73	409.31
1978 09	---	---	---	124.14	409.31
1978 10	---	---	---	123.55	409.31
1978 11	---	50.07	---	122.96	410.82
1978 12	---	249.10	---	122.38	418.54
1979 01	---	145.10	---	121.80	423.04
1979 02	---	143.50	---	121.22	427.05
1979 03	---	93.48	---	120.64	429.95
1979 04	---	116.30	---	120.07	433.44
1979 05	---	81.16	---	119.50	435.96
1979 06	---	54.57	---	118.93	437.59
1979 07	---	30.74	---	118.36	438.55
1979 08	---	26.19	---	117.80	439.36
1979 09	---	1.03	---	117.24	439.39
1979 10	---	66.74	---	116.68	441.46
1979 11	---	147.33	---	116.13	445.88
1979 12	---	94.06	---	115.57	448.79
1980 01	---	113.71	---	115.02	452.32

Well: JICARILLA A - 13_PC

Well Time Graph Report

Date	WI Cal Day Oil	WI Cal Day Gas1	WI Cal Day Water	WI Cal Day Gas FC 1	WI Cum Gas1
	Bbl/d	mcf/d	Bbl/d	mcf/d	MMSCF
1980 02	---	123.38	---	114.48	455.90
1980 03	---	98.29	---	113.93	458.94
1980 04	---	95.27	---	113.39	461.80
1980 05	---	117.06	---	112.85	465.43
1980 06	---	70.20	---	112.31	467.54
1980 07	---	35.61	---	111.78	468.64
1980 08	---	69.74	---	111.25	470.80
1980 09	---	51.57	---	110.72	472.35
1980 10	---	59.42	---	110.19	474.19
1980 11	---	155.87	---	109.67	478.87
1980 12	---	112.97	---	109.15	482.37
1981 01	---	104.61	---	108.63	485.61
1981 02	---	120.39	---	108.11	488.98
1981 03	---	80.13	---	107.60	491.47
1981 04	---	61.90	---	107.09	493.33
1981 05	---	64.61	---	106.58	495.33
1981 06	---	58.37	---	106.07	497.08
1981 07	---	48.29	---	105.56	498.58
1981 08	---	29.35	---	105.06	499.49
1981 09	---	11.10	---	104.56	499.82
1981 10	---	5.00	---	104.07	499.98
1981 11	---	46.33	---	103.57	501.37
1981 12	---	63.13	---	103.08	503.32
1982 01	---	102.81	---	102.59	506.51
1982 02	---	119.32	---	102.10	509.85
1982 03	---	75.19	---	101.61	512.18
1982 04	---	31.27	---	101.13	513.12
1982 05	---	11.13	---	100.65	513.46
1982 06	---	34.27	---	100.17	514.49
1982 07	---	73.90	---	99.69	516.78
1982 08	---	125.32	---	99.22	520.67
1982 09	---	132.43	---	98.75	524.64
1982 10	---	121.65	---	98.28	528.41
1982 11	---	109.47	---	97.81	531.70
1982 12	---	98.58	---	97.35	534.75
1983 01	---	106.29	---	96.88	538.05
1983 02	---	107.86	---	96.42	541.07
1983 03	---	79.16	---	95.96	543.52
1983 04	---	89.63	---	95.51	546.21
1983 05	---	15.77	---	95.05	546.70
1983 06	---	0.70	---	94.60	546.72
1983 07	---	---	---	94.15	546.72
1983 08	---	26.16	---	93.70	547.53
1983 09	---	68.27	---	93.26	549.58
1983 10	---	120.29	---	92.81	553.31
1983 11	---	216.70	---	92.37	559.81
1983 12	---	116.26	---	91.93	563.41
1984 01	---	133.42	---	91.50	567.55
1984 02	---	100.97	---	91.06	570.48
1984 03	---	61.48	---	90.63	572.38
1984 04	---	36.33	---	90.20	573.47
1984 05	---	11.81	---	89.77	573.84
1984 06	---	---	---	89.34	573.84
1984 07	---	5.03	---	88.92	574.00
1984 08	---	4.81	---	88.49	574.14

Well: JICARILLA A - 13_PC

Well Time Graph Report

Date	WI Cal Day Oil	WI Cal Day Gas1	WI Cal Day Water	WI Cal Day Gas FC 1	WI Cum Gas1
	Bbl/d	mcf/d	Bbl/d	mcf/d	MMSCF
1984 09	---	136.73	---	88.07	578.25
1984 10	---	---	---	87.65	578.25
1984 11	---	---	---	87.24	578.25
1984 12	---	---	---	86.82	578.25
1985 01	---	---	---	86.41	578.25
1985 02	---	4.36	---	86.00	578.37
1985 03	---	35.19	---	85.59	579.46
1985 04	---	28.33	---	85.18	580.31
1985 05	---	---	---	84.78	580.31
1985 06	---	---	---	84.37	580.31
1985 07	---	30.74	---	83.97	581.26
1985 08	---	65.10	---	83.57	583.28
1985 09	---	73.90	---	83.18	585.50
1985 10	---	98.06	---	82.78	588.54
1985 11	---	79.27	---	82.39	590.91
1985 12	---	75.58	---	81.99	593.26
1986 01	---	9.10	---	81.60	593.54
1986 02	---	22.07	---	81.22	594.16
1986 03	---	---	---	80.83	594.16
1986 04	---	1.50	---	80.45	594.20
1986 05	---	---	---	80.06	594.20
1986 06	---	---	---	79.68	594.20
1986 07	---	---	---	79.30	594.20
1986 08	---	6.68	---	78.93	594.41
1986 09	---	5.73	---	78.55	594.58
1986 10	---	6.29	---	78.18	594.78
1986 11	---	2.37	---	77.81	594.85
1986 12	---	44.52	---	77.43	596.23
1987 01	---	43.71	---	77.07	597.58
1987 02	---	21.14	---	76.70	598.17
1987 03	---	0.48	---	76.34	598.19
1987 04	---	5.63	---	75.97	598.36
1987 05	---	1.52	---	75.61	598.41
1987 06	---	---	---	75.25	598.41
1987 07	---	---	---	74.89	598.41
1987 08	---	---	---	74.54	598.41
1987 09	---	6.30	---	74.18	598.59
1987 10	---	---	---	73.83	598.59
1987 11	---	24.40	---	73.48	599.33
1987 12	---	114.16	---	73.13	602.87
1988 01	---	105.90	---	72.78	606.15
1988 02	---	19.03	---	72.44	606.70
1988 03	---	---	---	72.09	606.70
1988 04	---	---	---	71.75	606.70
1988 05	---	---	---	71.41	606.70
1988 06	---	---	---	71.07	606.70
1988 07	---	---	---	70.73	606.70
1988 08	---	---	---	70.39	606.70
1988 09	---	---	---	70.06	606.70
1988 10	---	54.16	---	69.72	608.38
1988 11	---	133.17	---	69.39	612.37
1988 12	---	1.77	---	69.06	612.43
1989 01	---	---	---	68.73	612.43
1989 02	---	---	---	68.41	612.43

Well: JICARILLA A - 13_PC

Well Time Graph Report

Date	WI Cal Day Oil	WI Cal Day Gas1	WI Cal Day Water	WI Cal Day Gas FC 1	WI Cum Gas1
	Bbl/d	mcf/d	Bbl/d	mcf/d	MMSCF
1989 03	---	---	---	68.08	612.43
1989 04	---	---	---	67.76	612.43
1989 05	---	---	---	67.44	612.43
1989 06	---	---	---	67.12	612.43
1989 07	---	---	---	66.80	612.43
1989 08	---	---	---	66.48	612.43
1989 09	---	---	---	66.16	612.43
1989 10	---	44.00	---	65.85	613.79
1989 11	---	172.67	---	65.53	618.97
1989 12	---	55.23	---	65.22	620.69
1990 01	---	---	---	64.91	620.69
1990 02	---	---	---	64.60	620.69
1990 03	---	---	---	64.30	620.69
1990 04	---	---	---	63.99	620.69
1990 05	---	---	---	63.69	620.69
1990 06	---	---	---	63.38	620.69
1990 07	---	37.94	---	63.08	621.86
1990 08	---	101.55	---	62.78	625.01
1990 09	---	185.63	---	62.48	630.58
1990 10	---	116.58	---	62.19	634.19
1990 11	---	92.30	---	61.89	636.96
1990 12	---	32.74	---	61.60	637.98
1991 01	---	---	---	61.30	637.98
1991 02	---	---	---	61.01	637.98
1991 03	---	43.32	---	60.72	639.32
1991 04	---	84.97	---	60.43	641.87
1991 05	---	54.42	---	60.15	643.56
1991 06	---	89.17	---	59.86	646.23
1991 07	---	47.77	---	59.57	647.71
1991 08	---	45.32	---	59.29	649.12
1991 09	---	90.97	---	59.01	651.85
1991 10	---	1.74	---	58.73	651.90
1991 11	---	64.83	---	58.45	653.85
1991 12	---	---	---	58.17	653.85
1992 01	---	88.45	---	57.89	656.59
1992 02	---	82.79	---	57.62	658.99
1992 03	---	36.10	---	57.35	660.11
1992 04	---	38.97	---	57.07	661.28
1992 05	---	48.23	---	56.80	662.77
1992 06	---	29.47	---	56.53	663.66
1992 07	---	23.81	---	56.26	664.39
1992 08	---	49.84	---	55.99	665.94
1992 09	---	34.80	---	55.73	666.98
1992 10	---	25.23	---	55.46	667.76
1992 11	---	34.10	---	55.20	668.79
1992 12	---	69.26	---	54.94	670.93
1993 01	---	21.13	---	54.68	671.59
1993 02	---	29.32	---	54.42	672.41
1993 03	---	27.55	---	54.16	673.26
1993 04	---	57.57	---	53.90	674.99
1993 05	---	55.58	---	53.64	676.71
1993 06	---	57.33	---	53.39	678.43
1993 07	---	54.39	---	53.13	680.12
1993 08	---	31.10	---	52.88	681.08
1993 09	---	48.50	---	52.63	682.54

Well: JICARILLA A - 13_PC

Well Time Graph Report

Date	WI Cal Day Oil	WI Cal Day Gas1	WI Cal Day Water	WI Cal Day Gas FC 1	WI Cum Gas1
	Bbl/d	mcf/d	Bbl/d	mcf/d	MMSCF
1993 10	---	49.13	---	52.38	684.06
1993 11	---	58.47	---	52.13	685.82
1993 12	---	58.10	---	51.88	687.62
1994 01	---	13.26	---	51.64	688.03
1994 02	---	36.54	---	51.39	689.05
1994 03	---	47.06	---	51.15	690.51
1994 04	---	61.90	---	50.90	692.37
1994 05	---	49.71	---	50.66	693.91
1994 06	---	37.53	---	50.42	695.03
1994 07	---	39.74	---	50.18	696.27
1994 08	---	41.00	---	49.94	697.54
1994 09	---	105.47	---	49.70	700.70
1994 10	---	78.19	---	49.47	703.13
1994 11	---	123.60	---	49.23	706.83
1994 12	---	67.84	---	49.00	708.94
1995 01	---	60.35	---	48.76	710.81
1995 02	---	43.43	---	48.53	712.02
1995 03	---	63.58	---	48.30	713.99
1995 04	---	58.13	---	48.07	715.74
1995 05	---	58.58	---	47.84	717.55
1995 06	---	57.77	---	47.62	719.29
1995 07	---	48.97	---	47.39	720.80
1995 08	---	53.87	---	47.16	722.47
1995 09	---	52.33	---	46.94	724.04
1995 10	---	51.52	---	46.72	725.64
1995 11	---	47.30	---	46.49	727.06
1995 12	---	38.74	---	46.27	728.26
1996 01	---	56.06	---	46.05	730.00
1996 02	---	45.66	---	45.83	731.32
1996 03	---	112.87	---	45.62	734.82
1996 04	---	62.53	---	45.40	736.70
1996 05	---	63.84	---	45.18	738.68
1996 06	---	103.23	---	44.97	741.77
1996 07	---	77.13	---	44.75	744.17
1996 08	---	97.87	---	44.54	747.20
1996 09	---	86.53	---	44.33	749.80
1996 10	---	46.29	---	44.12	751.23
1996 11	---	38.63	---	43.91	752.39
1996 12	---	28.55	---	43.70	753.27
1997 01	---	---	---	43.49	753.27
1997 02	---	181.18	---	43.28	758.35
1997 03	---	160.77	---	43.08	763.33
1997 04	---	302.40	---	42.87	772.40
1997 05	---	212.81	---	42.67	779.00
1997 06	---	189.47	---	42.47	784.68
1997 07	---	85.06	---	42.27	787.32
1997 08	---	188.52	---	42.06	793.17
1997 09	---	161.90	---	41.86	798.02
1997 10	---	165.45	1.23	41.67	803.15
1997 11	---	166.63	1.27	41.47	808.15
1997 12	---	171.29	1.13	41.27	813.46
1998 01	---	77.81	---	41.07	815.87
1998 02	---	138.93	---	40.88	819.76
1998 03	---	184.65	---	40.68	825.49

Well: JICARILLA A - 13_PC

Well Time Graph Report

Date	WI Cal Day Oil	WI Cal Day Gas1	WI Cal Day Water	WI Cal Day Gas FC 1	WI Cum Gas1
	Bbl/d	mcf/d	Bbl/d	mcf/d	MMSCF
1998 04	---	139.53	0.50	40.49	829.67
1998 05	0.00	137.61	0.00	40.30	833.94
1998 06	0.00	158.07	0.00	40.11	838.68
1998 07	0.00	119.55	0.00	39.92	842.39
1998 08	0.00	141.68	0.00	39.73	846.78
1998 09	0.00	154.17	0.00	39.54	851.40
1998 10	0.00	141.87	0.00	39.35	855.80
1998 11	0.50	144.50	0.00	39.16	860.14
1998 12	0.26	114.10	0.00	38.97	863.67
1999 01	0.00	112.19	0.00	38.79	867.15
1999 02	0.00	152.93	0.00	38.61	871.43
1999 03	0.00	136.35	0.00	38.42	875.66
1999 04	---	138.10	---	38.24	879.80
1999 05	---	152.61	---	38.06	884.54
1999 06	---	140.23	---	37.88	888.74
1999 07	---	143.97	---	37.70	893.21
1999 08	---	145.58	---	37.52	897.72
1999 09	---	130.33	---	37.34	901.63
1999 10	---	108.58	---	37.16	904.99
1999 11	---	95.80	---	36.98	907.87
1999 12	---	73.87	---	36.81	910.16
2000 01	---	81.39	---	36.63	912.68
2000 02	---	76.38	---	36.46	914.90
2000 03	---	185.61	---	36.29	920.65
2000 04	---	166.30	---	36.11	925.64
2000 05	---	146.81	---	35.94	930.19
2000 06	---	147.40	---	35.77	934.61
2000 07	---	132.77	---	35.60	938.73
2000 08	1.42	137.61	0.00	35.43	942.99
2000 09	0.03	113.47	0.00	35.26	946.40
2000 10	0.02	116.61	0.00	35.09	950.01
2000 11	0.00	103.13	0.00	34.93	953.11
2000 12	0.00	144.06	0.10	34.76	957.57
2001 01	0.00	133.26	0.10	34.60	961.70
2001 02	0.18	55.50	0.06	34.43	963.26
2001 03	0.49	176.90	0.17	34.27	968.74
2001 04	0.22	169.97	0.20	34.10	973.84
2001 05	0.38	146.87	0.18	33.94	978.39
2001 06	0.23	156.57	0.30	33.78	983.09
2001 07	0.16	135.16	0.26	33.62	987.28
2001 08	0.23	148.16	0.30	33.46	991.87
2001 09	0.50	142.20	0.30	33.30	996.14
2001 10	0.03	42.06	0.10	0.00	997.44
2001 11	0.00	0.00	0.30	0.00	997.44
2001 12	---	---	---	0.00	997.44
2002 01	0.00	0.26	0.00	0.00	997.45
2002 02	---	---	---	0.00	---
2002 03	---	---	---	0.00	---
2002 04	---	---	---	0.00	---
2002 05	---	---	---	0.00	---
2002 06	---	---	---	0.00	---
2002 07	---	---	---	33.86	---
2002 08	---	---	---	34.78	---
2002 09	---	---	---	34.61	---
2002 10	---	---	---	34.45	---

Well: JICARILLA A - 13_PC

Well Time Graph Report

Date	WI Cal Day Oil	WI Cal Day Gas1	WI Cal Day Water	WI Cal Day Gas FC 1	WI Cum Gas1
	Bbl/d	mcf/d	Bbl/d	mcf/d	MMSCF
2002 11	---	---	---	34.28	---
2002 12	---	---	---	34.12	---
2003 01	---	---	---	33.96	---
2003 02	---	---	---	33.80	---
2003 03	---	---	---	33.64	---
2003 04	---	---	---	33.48	---
2003 05	---	---	---	33.32	---
2003 06	---	---	---	33.16	---
2003 07	---	---	---	33.00	---
2003 08	---	---	---	32.84	---
2003 09	---	---	---	32.69	---
2003 10	---	---	---	32.53	---
2003 11	---	---	---	32.38	---
2003 12	---	---	---	32.22	---
2004 01	---	---	---	32.07	---
2004 02	---	---	---	31.92	---
2004 03	---	---	---	31.77	---
2004 04	---	---	---	31.61	---
2004 05	---	---	---	31.46	---
2004 06	---	---	---	31.31	---
2004 07	---	---	---	31.17	---
2004 08	---	---	---	31.02	---
2004 09	---	---	---	30.87	---
2004 10	---	---	---	30.72	---
2004 11	---	---	---	30.58	---
2004 12	---	---	---	30.43	---
2005 01	---	---	---	30.29	---
2005 02	---	---	---	30.14	---
2005 03	---	---	---	30.00	---
2005 04	---	---	---	29.86	---
2005 05	---	---	---	29.71	---
2005 06	---	---	---	29.57	---
2005 07	---	---	---	29.43	---
2005 08	---	---	---	29.29	---
2005 09	---	---	---	29.15	---
2005 10	---	---	---	29.01	---
2005 11	---	---	---	28.88	---
2005 12	---	---	---	28.74	---
2006 01	---	---	---	28.60	---
2006 02	---	---	---	28.47	---
2006 03	---	---	---	28.33	---
2006 04	---	---	---	28.20	---
2006 05	---	---	---	28.06	---
2006 06	---	---	---	27.93	---
2006 07	---	---	---	27.80	---
2006 08	---	---	---	27.66	---
2006 09	---	---	---	27.53	---
2006 10	---	---	---	27.40	---
2006 11	---	---	---	27.27	---
2006 12	---	---	---	27.14	---
2007 01	---	---	---	27.01	---
2007 02	---	---	---	26.88	---
2007 03	---	---	---	26.76	---
2007 04	---	---	---	26.63	---

Well: JICARILLA A - 13_MV

Well Time Graph Report

Date	WI Cal Day Oil	WI Cal Day Gas1	WI Cal Day Water	WI Cal Day Gas FC 1	WI Cum Gas1
	Bbl/d	mcf/d	Bbl/d	mcf/d	MMSCF
1994 01	---	---	---	---	---
1994 02	---	---	---	---	---
1994 03	---	---	---	---	---
1994 04	---	---	---	---	---
1994 05	---	---	---	---	---
1994 06	---	---	---	---	---
1994 07	---	---	---	---	---
1994 08	---	---	---	---	---
1994 09	---	---	---	---	---
1994 10	---	213.00	---	---	6.60
1994 11	---	292.27	---	---	15.37
1994 12	---	214.84	---	---	22.03
1995 01	---	178.13	---	---	27.55
1995 02	---	173.82	---	---	32.42
1995 03	---	175.23	---	---	37.85
1995 04	---	138.17	---	---	42.00
1995 05	---	144.74	---	---	46.48
1995 06	---	134.33	---	---	50.51
1995 07	---	125.19	---	---	54.39
1995 08	---	117.71	---	---	58.04
1995 09	---	105.80	---	---	61.22
1995 10	---	85.16	---	---	63.86
1995 11	---	142.87	---	---	68.14
1995 12	---	97.45	0.10	---	71.16
1996 01	---	127.23	---	---	75.11
1996 02	---	102.21	---	---	78.07
1996 03	---	86.68	---	---	80.76
1996 04	---	66.10	---	---	82.74
1996 05	---	91.00	0.32	---	85.56
1996 06	---	123.63	0.27	---	89.27
1996 07	---	96.42	0.06	---	92.26
1996 08	---	79.52	0.10	---	94.73
1996 09	---	71.70	0.13	---	96.88
1996 10	---	68.97	0.16	---	99.02
1996 11	---	66.40	0.07	---	101.01
1996 12	---	43.42	0.10	---	102.35
1997 01	---	---	---	---	102.35
1997 02	---	0.07	---	---	102.36
1997 03	---	0.74	---	---	102.38
1997 04	---	0.70	---	---	102.40
1997 05	---	2.42	---	---	102.47
1997 06	---	1.50	---	---	102.52
1997 07	---	1.23	---	---	102.56
1997 08	---	1.52	---	---	102.60
1997 09	---	0.43	---	---	102.62
1997 10	---	0.06	---	---	102.62
1997 11	---	0.60	---	---	102.64
1997 12	---	0.55	---	---	102.65
1998 01	---	0.58	---	---	102.67
1998 02	---	---	---	---	102.67
1998 03	---	---	---	---	102.67
1998 04	---	---	---	---	102.67
1998 05	---	---	---	---	102.67
1998 06	---	---	---	---	102.67
1998 07	---	---	---	---	102.67

Well: JICARILLA A - 13_MV

Well Time Graph Report

Date	WI Cal Day Oil	WI Cal Day Gas1	WI Cal Day Water	WI Cal Day Gas FC 1	WI Cum Gas1
	Bbl/d	mcf/d	Bbl/d	mcf/d	MMSCF
1998 08	---	---	---	---	102.67
1998 09	---	---	---	---	102.67
1998 10	---	---	---	---	102.67
1998 11	---	---	---	---	102.67
1998 12	---	---	---	---	102.67
1999 01	---	---	---	---	102.67
1999 02	---	---	---	---	102.67
1999 03	---	---	---	---	102.67
1999 04	---	---	---	---	102.67
1999 05	---	---	---	---	102.67
1999 06	---	---	---	---	102.67
1999 07	---	---	---	---	102.67
1999 08	---	---	---	---	102.67
1999 09	---	---	---	---	102.67
1999 10	---	---	---	---	102.67
1999 11	---	---	---	---	102.67
1999 12	---	---	---	---	102.67
2000 01	---	---	---	---	102.67
2000 02	---	---	---	---	102.67
2000 03	---	---	---	---	102.67
2000 04	---	---	---	---	102.67
2000 05	---	---	---	---	102.67
2000 06	---	---	---	---	102.67
2000 07	---	---	---	---	102.67
2000 08	---	---	---	---	102.67
2000 09	---	---	---	---	102.67
2000 10	---	---	---	---	102.67
2000 11	---	---	---	---	102.67
2000 12	---	---	---	---	102.67
2001 01	---	---	---	---	102.67
2001 02	---	---	---	---	102.67
2001 03	---	---	---	---	102.67
2001 04	---	---	---	---	102.67
2001 05	---	---	---	---	102.67
2001 06	---	---	---	---	102.67
2001 07	---	---	---	---	102.67
2001 08	---	---	---	---	102.67
2001 09	---	---	---	---	102.67
2001 10	---	---	---	---	102.67
2001 11	---	---	---	---	102.67
2001 12	---	---	---	---	102.67
2002 01	---	---	---	---	102.67
2002 02	0.00	6.79	0.00	---	102.86
2002 03	0.00	83.48	0.00	84.82	105.45
2002 04	0.00	103.80	0.00	84.46	108.56
2002 05	1.00	126.68	0.00	84.10	112.49
2002 06	0.50	123.90	0.00	83.74	116.21
2002 07	---	---	---	83.38	---
2002 08	---	---	---	83.03	---
2002 09	---	---	---	82.67	---
2002 10	---	---	---	82.32	---
2002 11	---	---	---	81.97	---
2002 12	---	---	---	81.62	---
2003 01	---	---	---	81.27	---

Well: JICARILLA A - 13_DK

Well Time Graph Report

Date	WI Cal Day Oil	WI Cal Day Gas1	WI Cal Day Water	WI Cal Day Gas FC 1	WI Cum Gas1
	Bbl/d	mcf/d	Bbl/d	mcf/d	MMSCF
1971 01	---	---	---	---	---
1971 02	---	---	---	---	---
1971 03	---	---	---	---	---
1971 04	---	---	---	---	---
1971 05	---	---	---	---	---
1971 06	---	---	---	---	---
1971 07	---	---	---	---	---
1971 08	---	---	---	---	---
1971 09	---	---	---	---	---
1971 10	---	---	---	---	---
1971 11	---	---	---	---	---
1971 12	---	524.84	---	---	16.27
1972 01	---	571.58	---	---	33.99
1972 02	---	624.52	---	---	52.10
1972 03	---	444.19	---	---	65.87
1972 04	---	435.83	---	---	78.94
1972 05	---	369.55	---	---	90.40
1972 06	---	352.03	---	---	100.96
1972 07	---	301.55	---	---	110.31
1972 08	---	282.87	---	---	119.08
1972 09	---	225.00	---	---	125.83
1972 10	---	226.77	---	---	132.86
1972 11	---	238.20	---	---	140.00
1972 12	---	242.94	---	---	147.54
1973 01	---	227.32	---	---	154.58
1973 02	---	250.86	---	---	161.61
1973 03	---	190.29	---	---	167.51
1973 04	---	144.03	---	---	171.83
1973 05	---	195.61	---	---	177.89
1973 06	---	216.47	---	---	184.38
1973 07	---	192.77	---	---	190.36
1973 08	---	175.94	---	---	195.81
1973 09	---	194.73	---	---	201.66
1973 10	---	172.00	---	---	206.99
1973 11	---	187.03	---	---	212.60
1973 12	---	144.87	---	---	217.09
1974 01	---	152.58	---	---	221.82
1974 02	---	125.89	---	---	225.35
1974 03	---	118.94	---	---	229.03
1974 04	---	147.60	---	---	233.46
1974 05	---	118.16	---	---	237.12
1974 06	---	142.90	---	---	241.41
1974 07	---	111.71	---	---	244.87
1974 08	---	98.55	---	---	247.93
1974 09	---	117.87	---	---	251.46
1974 10	---	74.32	---	---	253.77
1974 11	---	71.63	---	---	255.92
1974 12	---	150.68	---	---	260.59
1975 01	---	148.74	---	---	265.20
1975 02	---	111.82	---	---	268.33
1975 03	---	102.45	---	---	271.51
1975 04	---	138.93	---	---	275.67
1975 05	---	108.48	---	---	279.04
1975 06	---	90.90	---	---	281.76
1975 07	---	130.61	---	---	285.81

Well: JICARILLA A - 13_DK

Well Time Graph Report

Date	WI Cal Day Oil	WI Cal Day Gas1	WI Cal Day Water	WI Cal Day Gas FC 1	WI Cum Gas1
	Bbl/d	mcf/d	Bbl/d	mcf/d	MMSCF
1975 08	---	102.52	---	---	288.99
1975 09	---	83.03	---	---	291.48
1975 10	---	71.06	---	---	293.69
1975 11	---	107.00	---	---	296.90
1975 12	---	127.42	---	---	300.85
1976 01	---	124.81	---	---	304.71
1976 02	---	103.90	---	---	307.73
1976 03	---	127.35	---	---	311.68
1976 04	---	97.27	---	---	314.59
1976 05	---	66.87	---	---	316.67
1976 06	---	65.87	---	---	318.64
1976 07	---	112.52	---	---	322.13
1976 08	---	96.10	---	---	325.11
1976 09	---	74.03	---	---	327.33
1976 10	---	39.84	---	---	328.57
1976 11	---	31.23	---	---	329.50
1976 12	---	131.23	---	---	333.57
1977 01	---	135.65	---	---	337.78
1977 02	---	99.11	---	---	340.55
1977 03	---	71.58	---	---	342.77
1977 04	---	72.20	---	---	344.94
1977 05	---	122.10	---	---	348.72
1977 06	---	89.23	---	---	351.40
1977 07	---	79.13	---	---	353.85
1977 08	---	80.58	---	---	356.35
1977 09	---	59.10	---	---	358.12
1977 10	---	68.94	---	---	360.26
1977 11	---	60.37	---	---	362.07
1977 12	---	144.32	---	---	366.54
1978 01	---	78.81	---	---	368.99
1978 02	---	110.07	---	---	372.07
1978 03	---	69.77	---	---	374.23
1978 04	---	47.07	---	---	375.64
1978 05	---	28.94	---	---	376.54
1978 06	---	46.90	---	---	377.95
1978 07	---	60.65	---	---	379.83
1978 08	---	49.94	---	---	381.38
1978 09	---	18.57	---	---	381.93
1978 10	---	37.87	---	---	383.11
1978 11	---	49.43	---	---	384.59
1978 12	---	59.45	---	---	386.43
1979 01	---	105.13	---	---	389.69
1979 02	---	67.64	---	---	391.59
1979 03	---	51.23	---	---	393.17
1979 04	---	89.17	---	---	395.85
1979 05	---	64.61	---	---	397.85
1979 06	---	88.00	---	---	400.49
1979 07	---	36.39	---	---	401.62
1979 08	---	---	---	---	401.62
1979 09	---	125.70	---	---	405.39
1979 10	---	60.84	---	---	407.28
1979 11	---	67.87	---	---	409.31
1979 12	---	68.00	---	---	411.42
1980 01	---	91.42	---	---	414.25

Well: JICARILLA A - 13_DK

Well Time Graph Report

Date	WI Cal Day Oil	WI Cal Day Gas1	WI Cal Day Water	WI Cal Day Gas FC 1	WI Cum Gas1
	Bbl/d	mcf/d	Bbl/d	mcf/d	MMSCF
1980 02	---	86.00	---	---	416.75
1980 03	---	61.65	---	---	418.66
1980 04	---	66.83	---	---	420.66
1980 05	---	49.71	---	---	422.21
1980 06	---	83.27	---	---	424.70
1980 07	---	43.87	---	---	426.06
1980 08	---	86.97	---	---	428.76
1980 09	---	41.17	---	---	429.99
1980 10	---	53.19	---	---	431.64
1980 11	---	70.00	---	---	433.74
1980 12	---	66.10	---	---	435.79
1981 01	---	65.42	---	---	437.82
1981 02	---	73.11	---	---	439.87
1981 03	---	51.23	---	---	441.46
1981 04	---	68.37	---	---	443.51
1981 05	---	50.32	---	---	445.07
1981 06	---	46.07	---	---	446.45
1981 07	---	37.77	---	---	447.62
1981 08	---	39.97	---	---	448.86
1981 09	---	33.00	---	---	449.85
1981 10	---	39.03	---	---	451.06
1981 11	---	40.33	---	---	452.27
1981 12	---	70.55	---	---	454.46
1982 01	---	69.29	---	---	456.60
1982 02	---	90.39	---	---	459.13
1982 03	---	46.48	---	---	460.58
1982 04	---	47.43	---	---	462.00
1982 05	---	37.61	---	---	463.16
1982 06	---	28.40	---	---	464.02
1982 07	---	---	---	---	464.02
1982 08	---	---	---	---	464.02
1982 09	---	---	---	---	464.02
1982 10	---	20.06	---	---	464.64
1982 11	---	47.63	---	---	466.07
1982 12	---	55.29	---	---	467.78
1983 01	---	41.68	---	---	469.07
1983 02	---	55.11	---	---	470.62
1983 03	---	40.16	---	---	471.86
1983 04	---	9.67	---	---	472.15
1983 05	---	15.03	---	---	472.62
1983 06	---	19.70	---	---	473.21
1983 07	---	42.97	---	---	474.54
1983 08	---	43.13	---	---	475.88
1983 09	---	29.27	---	---	476.76
1983 10	---	---	---	---	476.76
1983 11	---	15.77	---	---	477.23
1983 12	---	37.42	---	---	478.39
1984 01	---	41.97	---	---	479.69
1984 02	---	71.66	---	---	481.77
1984 03	---	32.39	---	---	482.77
1984 04	---	34.57	---	---	483.81
1984 05	---	7.45	---	---	484.04
1984 06	---	---	---	---	484.04
1984 07	---	---	---	---	484.04
1984 08	---	---	---	---	484.04

Well: JICARILLA A - 13_DK

Well Time Graph Report

Date	WI Cal Day Oil	WI Cal Day Gas1	WI Cal Day Water	WI Cal Day Gas FC 1	WI Cum Gas1
	Bbl/d	mcf/d	Bbl/d	mcf/d	MMSCF
1984 09	---	---	---	---	484.04
1984 10	---	---	---	---	484.04
1984 11	---	---	---	---	484.04
1984 12	---	---	---	---	484.04
1985 01	---	---	---	---	484.04
1985 02	---	5.57	---	---	484.20
1985 03	---	1.81	---	---	484.25
1985 04	---	110.67	---	---	487.57
1985 05	---	92.03	---	---	490.42
1985 06	---	35.00	---	---	491.47
1985 07	---	3.35	---	---	491.58
1985 08	---	21.61	---	---	492.25
1985 09	---	---	---	---	492.25
1985 10	---	6.52	---	---	492.45
1985 11	---	20.70	---	---	493.07
1985 12	---	92.65	---	---	495.94
1986 01	---	35.42	---	---	497.04
1986 02	---	23.11	---	---	497.69
1986 03	---	17.23	---	---	498.22
1986 04	---	12.13	---	---	498.59
1986 05	---	1.13	---	---	498.62
1986 06	---	29.80	---	---	499.52
1986 07	---	59.71	---	---	501.37
1986 08	---	65.35	---	---	503.39
1986 09	---	0.13	---	---	503.40
1986 10	---	0.06	---	---	503.40
1986 11	---	5.77	---	---	503.57
1986 12	---	46.65	---	---	505.02
1987 01	---	79.65	---	---	507.49
1987 02	---	50.04	---	---	508.89
1987 03	---	47.87	---	---	510.37
1987 04	---	25.03	---	---	511.12
1987 05	---	5.35	---	---	511.29
1987 06	---	---	---	---	511.29
1987 07	---	15.03	0.10	---	511.75
1987 08	---	103.90	---	---	514.98
1987 09	---	66.93	---	---	516.98
1987 10	---	49.97	---	---	518.53
1987 11	---	---	---	---	518.53
1987 12	---	21.32	---	---	519.19
1988 01	---	66.19	---	---	521.25
1988 02	---	48.48	---	---	522.65
1988 03	---	---	---	---	522.65
1988 04	---	---	---	---	522.65
1988 05	---	---	---	---	522.65
1988 06	---	10.17	---	---	522.96
1988 07	---	68.19	---	---	525.07
1988 08	---	---	---	---	525.07
1988 09	---	7.33	---	---	525.29
1988 10	---	---	---	---	525.29
1988 11	---	129.77	---	---	529.18
1988 12	---	0.84	---	---	529.21
1989 01	---	---	---	---	529.21
1989 02	---	30.79	0.07	---	530.07

Well: JICARILLA A - 13_DK

Well Time Graph Report

Date	WI Cal Day Oil	WI Cal Day Gas1	WI Cal Day Water	WI Cal Day Gas FC 1	WI Cum Gas1
	Bbl/d	mcf/d	Bbl/d	mcf/d	MMSCF
1989 03	---	0.03	---	---	530.07
1989 04	---	---	---	---	530.07
1989 05	---	---	---	---	530.07
1989 06	---	5.37	---	---	530.23
1989 07	---	17.94	---	---	530.79
1989 08	---	23.55	---	---	531.52
1989 09	---	65.80	0.03	---	533.49
1989 10	---	40.52	0.13	---	534.75
1989 11	---	110.70	0.13	---	538.07
1989 12	---	74.19	0.13	---	540.37
1990 01	---	40.26	---	---	541.62
1990 02	---	31.54	0.11	---	542.50
1990 03	---	53.29	0.23	---	544.15
1990 04	---	7.50	---	---	544.38
1990 05	---	---	---	---	544.38
1990 06	---	---	---	---	544.38
1990 07	---	71.35	0.06	---	546.59
1990 08	---	100.81	---	---	549.72
1990 09	---	95.57	---	---	552.58
1990 10	---	63.16	---	---	554.54
1990 11	---	48.40	---	---	555.99
1990 12	---	49.00	---	---	557.51
1991 01	---	39.19	---	---	558.73
1991 02	---	12.75	---	---	559.08
1991 03	---	26.26	---	---	559.90
1991 04	---	53.10	---	---	561.49
1991 05	---	31.74	---	---	562.47
1991 06	---	52.40	---	---	564.05
1991 07	---	6.00	---	---	564.23
1991 08	---	35.97	---	---	565.35
1991 09	---	---	---	---	565.35
1991 10	---	---	---	---	565.35
1991 11	---	90.67	---	---	568.07
1991 12	---	0.68	---	---	568.09
1992 01	---	47.58	---	---	569.56
1992 02	---	48.38	---	---	570.97
1992 03	---	42.87	---	---	572.30
1992 04	---	75.80	---	---	574.57
1992 05	---	59.52	---	---	576.41
1992 06	---	46.20	---	---	577.80
1992 07	---	51.61	---	---	579.40
1992 08	---	50.00	---	---	580.95
1992 09	---	50.00	---	---	582.45
1992 10	---	33.90	---	---	583.50
1992 11	---	58.70	---	---	585.26
1992 12	---	29.94	---	---	586.19
1993 01	---	24.42	---	---	586.95
1993 02	---	49.96	---	---	588.35
1993 03	---	17.77	---	---	588.90
1993 04	---	23.47	---	---	589.60
1993 05	---	67.10	---	---	591.68
1993 06	---	59.83	---	---	593.48
1993 07	---	56.45	---	---	595.23
1993 08	---	47.87	---	---	596.71
1993 09	---	64.20	---	---	598.64

Well: JICARILLA A - 13_DK

Well Time Graph Report

Date	WI Cal Day Oil	WI Cal Day Gas1	WI Cal Day Water	WI Cal Day Gas FC 1	WI Cum Gas1
	Bbl/d	mcf/d	Bbl/d	mcf/d	MMSCF
1993 10	---	50.74	---	---	600.21
1993 11	---	45.30	---	---	601.57
1993 12	---	33.00	---	---	602.59
1994 01	---	31.35	---	---	603.56
1994 02	---	34.54	---	---	604.53
1994 03	---	49.90	---	---	606.08
1994 04	---	47.30	---	---	607.50
1994 05	---	41.19	---	---	608.77
1994 06	---	50.10	---	---	610.28
1994 07	---	44.19	---	---	611.65
1994 08	---	50.48	---	---	613.21
1994 09	---	32.23	---	---	614.18
1994 10	---	---	---	---	614.18
1994 11	---	---	---	---	614.18
1994 12	---	---	---	---	614.18
1995 01	---	---	---	---	614.18
1995 02	---	---	---	---	614.18
1995 03	---	---	---	---	614.18
1995 04	---	---	---	---	614.18
1995 05	---	---	---	---	614.18
1995 06	---	---	---	---	614.18
1995 07	---	---	---	---	614.18
1995 08	---	---	---	---	614.18
1995 09	---	---	---	---	614.18
1995 10	---	---	---	---	614.18
1995 11	---	---	---	---	614.18
1995 12	---	---	0.71	---	614.18
1996 01	---	---	---	---	614.18
1996 02	---	---	---	---	614.18
1996 03	---	---	---	---	614.18
1996 04	---	---	---	---	614.18
1996 05	---	---	---	---	614.18
1996 06	---	---	---	---	614.18
1996 07	---	---	---	---	614.18
1996 08	---	---	---	---	614.18
1996 09	---	---	---	---	614.18
1996 10	---	---	---	---	614.18
1996 11	---	---	---	---	614.18
1996 12	---	---	---	---	614.18
1997 01	---	---	---	---	614.18
1997 02	---	---	---	---	614.18
1997 03	---	---	---	---	614.18
1997 04	---	0.37	---	---	614.19
1997 05	---	1.26	---	---	614.23
1997 06	---	0.80	---	---	614.25
1997 07	---	0.65	---	---	614.27
1997 08	---	0.81	---	---	614.30
1997 09	---	0.23	---	---	614.30
1997 10	---	---	---	---	614.30
1997 11	---	0.30	---	---	614.31
1997 12	---	0.26	---	---	614.32
1998 01	---	0.29	---	---	614.33
1998 02	---	---	---	---	614.33
1998 03	---	---	---	---	614.33

Well: JICARILLA A - 13_DK

Well Time Graph Report

Date	WI Cal Day Oil	WI Cal Day Gas1	WI Cal Day Water	WI Cal Day Gas FC 1	WI Cum Gas1
	Bbl/d	mcf/d	Bbl/d	mcf/d	MMSCF
1998 04	---	---	---	---	614.33
1998 05	---	---	---	---	614.33
1998 06	---	---	---	---	614.33
1998 07	---	---	---	---	614.33
1998 08	---	---	---	---	614.33
1998 09	---	---	---	---	614.33
1998 10	---	---	---	---	614.33
1998 11	---	---	---	---	614.33
1998 12	---	---	---	---	614.33
1999 01	---	---	---	---	614.33
1999 02	---	---	---	---	614.33
1999 03	---	---	---	---	614.33
1999 04	---	---	---	---	614.33
1999 05	---	---	---	---	614.33
1999 06	---	---	---	---	614.33
1999 07	---	---	---	---	614.33
1999 08	---	---	---	---	614.33
1999 09	---	---	---	---	614.33
1999 10	---	---	---	---	614.33
1999 11	---	---	---	---	614.33
1999 12	---	---	---	---	614.33
2000 01	---	---	---	---	614.33
2000 02	---	---	---	---	614.33
2000 03	---	---	---	---	614.33
2000 04	---	---	---	---	614.33
2000 05	---	---	---	---	614.33
2000 06	---	---	---	---	614.33
2000 07	---	---	---	---	614.33
2000 08	---	---	---	---	614.33
2000 09	---	---	---	---	614.33
2000 10	---	---	---	---	614.33
2000 11	---	---	---	---	614.33
2000 12	---	---	---	---	614.33
2001 01	---	---	---	---	614.33
2001 02	---	---	---	---	614.33
2001 03	---	---	---	---	614.33
2001 04	---	---	---	---	614.33
2001 05	---	---	---	---	614.33
2001 06	---	---	---	---	614.33
2001 07	---	---	---	---	614.33
2001 08	---	---	---	---	614.33
2001 09	---	---	---	---	614.33
2001 10	---	---	---	---	614.33
2001 11	---	---	---	---	614.33
2001 12	---	---	---	---	614.33
2002 01	---	---	---	---	614.33
2002 02	0.00	3.64	0.00	---	614.43
2002 03	0.00	44.94	0.00	44.92	615.83
2002 04	0.00	55.90	0.00	44.77	617.50
2002 05	3.55	68.23	0.00	44.62	619.62
2002 06	1.77	66.73	0.00	44.47	621.62
2002 07	---	---	---	44.32	---
2002 08	---	---	---	44.17	---
2002 09	---	---	---	44.02	---
2002 10	---	---	---	43.87	---

Well: JICARILLA A - 13_DK

Well Time Graph Report

Date	WI Cal Day Oil	WI Cal Day Gas1	WI Cal Day Water	WI Cal Day Gas FC 1	WI Cum Gas1
	Bbl/d	mcf/d	Bbl/d	mcf/d	MMSCF
2002 11	---	---	---	43.72	---
2002 12	---	---	---	43.57	---
2003 01	---	---	---	43.42	---
2003 02	---	---	---	43.27	---
2003 03	---	---	---	43.13	---
2003 04	---	---	---	42.98	---
2003 05	---	---	---	42.83	---
2003 06	---	---	---	42.69	---
2003 07	---	---	---	42.54	---
2003 08	---	---	---	42.40	---
2003 09	---	---	---	42.26	---
2003 10	---	---	---	42.11	---
2003 11	---	---	---	41.97	---
2003 12	---	---	---	41.83	---
2004 01	---	---	---	41.68	---
2004 02	---	---	---	41.54	---
2004 03	---	---	---	41.40	---
2004 04	---	---	---	41.26	---
2004 05	---	---	---	41.12	---
2004 06	---	---	---	40.98	---
2004 07	---	---	---	40.84	---
2004 08	---	---	---	40.70	---
2004 09	---	---	---	40.57	---
2004 10	---	---	---	40.43	---
2004 11	---	---	---	40.29	---
2004 12	---	---	---	40.15	---
2005 01	---	---	---	40.02	---
2005 02	---	---	---	39.88	---
2005 03	---	---	---	39.75	---
2005 04	---	---	---	39.61	---
2005 05	---	---	---	39.48	---
2005 06	---	---	---	39.34	---
2005 07	---	---	---	39.21	---
2005 08	---	---	---	39.08	---
2005 09	---	---	---	38.94	---
2005 10	---	---	---	38.81	---
2005 11	---	---	---	38.68	---
2005 12	---	---	---	38.55	---
2006 01	---	---	---	38.42	---
2006 02	---	---	---	38.29	---
2006 03	---	---	---	38.16	---
2006 04	---	---	---	38.03	---
2006 05	---	---	---	37.90	---
2006 06	---	---	---	37.77	---
2006 07	---	---	---	37.64	---
2006 08	---	---	---	37.51	---
2006 09	---	---	---	37.38	---
2006 10	---	---	---	37.26	---
2006 11	---	---	---	37.13	---
2006 12	---	---	---	37.01	---
2007 01	---	---	---	36.88	---
2007 02	---	---	---	36.75	---
2007 03	---	---	---	36.63	---
2007 04	---	---	---	36.51	---

CONOCO INC.
JICARILLA A-13 SURFACE COMMINGLE

EXHIBIT C

Gas Analysis Reports (w/BTU content)

SUMMARY OF MOST RECENT GAS ANALYSIS
GAS ANALYSIS

Station ID: 37158
Station Name: JICARILLA A 13 Pictured Cliffs

Analysis No.:	209676	219282	222020	234821	248582	266726	285314
Analysis Source:							
Lab Identifier:			KUTZ LAB	K730	K605	K542	K352
Sample From Date:	10/31/94	11/25/96	05/09/97	02/24/98	01/21/99	02/15/00	3/28/2001
Sample To Date:	??/??/??	??/??/??	??/??/??	02/24/98	01/21/99	02/15/00	3/28/2001
Analyzed Date:	11/01/94	11/26/96	05/13/97	02/26/98	01/25/99	02/16/00	4/2/2001
Effective Date:	10/31/94	11/25/96	05/09/97	03/01/98	02/01/99	02/01/00	4/4/2001
Components	Number 1 Mol %	Number 2 Mol %	Number 3 Mol %	Number 4 Mol %	Number 5 Mol %	Number 6 Mol %	Number 7 Mol %
Methane C1	83.0000	83.0000	79.2500	76.1600	82.8070	80.4531	81.324
Ethane C2	8.4000	8.4300	11.0100	12.7250	9.1590	9.9449	9.667
Propane C3	4.2400	4.2100	5.0400	6.6330	3.6580	4.5850	4.611
Iso-butane IC4	0.7900	0.7900	0.8100	0.8530	0.7550	0.8300	0.815
Normal-butane NC4	1.1000	1.0700	1.3100	1.3640	1.1180	1.2330	1.229
Iso-pentane IC5	0.4000	0.4100	0.4200	0.4460	0.4110	0.4620	0.425
Normal-pentane NC5	0.3000	0.3000	0.3100	0.3710	0.2840	0.3380	0.335
Hexanes C6	0.8700	0.6900	0.5400	0.5140	0.7020	1.0720	0.485
Heptanes C7	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0
Octanes C8							
Nonanes C9	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0
Decanes C10	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0
Nitrogen N2	0.7000	0.8900	0.8200	0.2640	0.6630	0.4600	0.614
Carbon Dioxide CO2	0.2100	0.2100	0.5000	0.6700	0.4430	0.6220	0.495
Carbon Monoxide CO	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0
Hydrogen Sulfide H2S	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0
Helium HE	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0
Specific Gravity:	0.7056	0.7024	0.7259	0.7517	0.7021	0.7308	0.7122
Ideal Specific Grav:	0.0000	0.0000	0.7237	0.7491	0.7001	0.7284	0.7101
Dry BTU :	1232.0000	1225.0000	1255.4253	1300.6425	1222.1745	1265.6310	1237.4545
Pressure Base:	14.7300	14.7300	14.7300	14.7300	14.7300	14.7300	14.73
Ideal BTU:	0.0000	0.0000	1250.9625	1295.5986	1218.1393	1261.0695	1233.2258
Z-Factor:	0.9966	0.9966	0.9966	0.9966	0.9966	0.9966	0.9966
GPM							
Ethane C2	2.245	2.253	2.943	3.401	2.448	2.658	2.584
Propane C3	1.167	1.159	1.388	1.826	1.007	1.262	1.27
Iso-butane IC4	0.258	0.258	0.265	0.279	0.247	0.271	0.267
Normal-butane NC4	0.347	0.337	0.413	0.430	0.352	0.389	0.387
Iso-pentane IC5	0.146	0.150	0.154	0.163	0.150	0.169	0.156
Normal-pentane NC5	0.109	0.109	0.112	0.134	0.103	0.122	0.121
Hexanes C6	0.380	0.301	0.236	0.224	0.306	0.468	0.212
Heptanes C7	0.000	0.000	0.000	0.000	0.000	0.000	0
Octanes C8	0.000	0.000	0.000	0.000	0.000	0.000	0
Nonanes C9	0.000	0.000	0.000	0.000	0.000	0.000	0
Decanes C10	0.000	0.000	0.000	0.000	0.000	0.000	0

SUMMARY OF MOST RECENT GAS ANALYSIS
GAS ANALYSIS

Station ID: 35383
Station Name: JICARILLA A 13 MV/DK

Analysis No.:	209670	213458	213929	218093	224683		
Analysis Source:							
Lab Identifier:							
Sample From Date:	10/31/94	05/04/95	05/23/95	06/21/96	07/02/97		
Sample To Date:	??/??/??	??/??/??	??/??/??	??/??/??	??/??/??		
Analyzed Date:	11/01/94	05/05/95	05/25/95	06/24/96	07/11/97		
Effective Date:	10/11/94	05/04/95	05/23/95	06/21/96	07/02/97		
Components	Number 1 Mol %	Number 2 Mol %	Number 3 Mol %	Number 4 Mol %	Number 5 Mol %	Number 6 Mol %	Number 7 Mol %
Methane C1	81.6500	81.1500	80.2400	78.6700	80.7800		
Ethane C2	10.1100	10.4100	10.8600	11.2300	10.3400		
Propane C3	4.0900	4.2600	4.5600	4.8400	4.4800		
Iso-butane IC4	0.7400	0.7300	0.7900	0.8000	0.7800		
Normal-butane NC4	1.1000	1.1300	1.2400	1.3300	1.2200		
Iso-pentane IC5	0.4200	0.4100	0.4400	0.5100	0.4200		
Normal-pentane NC5	0.2900	0.3000	0.3100	0.4400	0.3000		
Hexanes C6	0.6900	0.6500	0.6000	0.7700	0.6800		
Heptanes C7	0.0000	0.0000	0.0000	0.0000	0.0000		
Octanes C8	0.0000	0.0000	0.0000	0.0000	0.0000		
Nonanes C9	0.0000	0.0000	0.0000	0.0000	0.0000		
Decanes C10	0.2100	0.2600	0.3000	0.6900	0.3800		
Nitrogen N2	0.7000	0.6800	0.6700	0.7200	0.6300		
Carbon Dioxide CO2	0.0000	0.0000	0.0000	0.0000	0.0000		
Carbon Monoxide CO	0.0000	0.0000	0.0000	0.0000	0.0000		
Hydrogen Sulfide H2S	0.0000	0.0000	0.0000	0.0000	0.0000		
Helium HE							
Specific Gravity:	0.7101	0.7128	0.7196	0.7374	0.7183		
Ideal Specific Grav:	0.0000	0.0000	0.0000	0.0000	0.0000		
Dry BTU :	1235.0000	1239.0000	1249.0000	1270.0000	1247.0000		
Pressure Base:	14.7300	14.7300	14.7300	14.7300	14.7300		
Ideal BTU:	0.0000	0.0000	0.0000	0.0000	0.0000		
Z-Factor:	0.9965	0.9965	0.9965	0.9965	0.9965		
GPM							
Ethane C2	2.702	2.782	2.903	3.002	2.764		
Propane C3	1.126	1.173	1.256	1.333	1.234		
Iso-butane IC4	0.242	0.239	0.258	0.262	0.255		
Normal-butane NC4	0.347	0.356	0.391	0.419	0.385		
Iso-pentane IC5	0.154	0.150	0.161	0.187	0.154		
Normal-pentane NC5	0.105	0.109	0.112	0.159	0.109		
Hexanes C6	0.301	0.284	0.262	0.336	0.297		
Heptanes C7	0.000	0.000	0.000	0.000	0.000		
Octanes C8	0.000	0.000	0.000	0.000	0.000		
Nonanes C9	0.000	0.000	0.000	0.000	0.000		
Decanes C10	0.000	0.000	0.000	0.000	0.000		

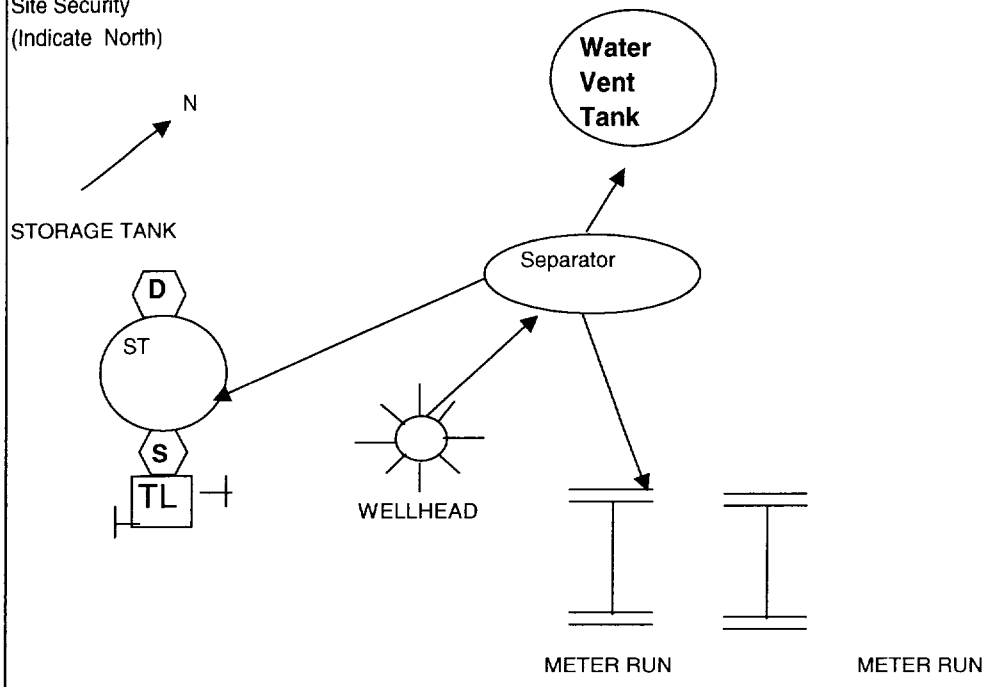
CONOCO INC.
JICARILLA A-13 SURFACE COMMINGLE

EXHIBIT D

Facility Schematic

Lease Name: **Jicarilla A 13** Operator: **CONOCO INC.** Date: 4/22/2002

Site Security
(Indicate North)



Lease Name: Jicarilla A 13

Federal/ Indian Lease No: Contract 105

CA No.:

Unit : E

Legal Description: Sec 13 - T26N-R04W

County: Rio Arriba

Load line valves :
Sealed during Production

Drain line valves :
Sealed during Production

Production Line valve:
Sealed during sales

This lease is subject to the site security plan for San Juan Basin Operations. The plan is located at:
Conoco Inc.
3315 Bloomfield Hwy
Farmington, NM

Lease Name: Operator: CONOCO INC. Date:

	#					
Earthen pits:		Type: (vent, sep, H2O etc)			Size:	Oil Stained Yes No
Steel pits:		Type: (vent, sep, H2O etc)			Size:	
	1	STEEL PIT			95 BBL	
Storage Tanks:	1	Water/Oil	Bbls.	Ht. Dia.		Color:
		OIL	300	15 12		GREEN
		Avg. volume stored:	180	Annual thruput:	500	Sep Psi. Upstream:
		Water/Oil	Bbls.	Ht. Dia.		Color:
		Avg. volume stored:		Annual thruput:		Sep Psi. Upstream:
Natural Gas Fired Vessels: (Htr/trt, Sep, Glycol Reb.)		Type/size: PRODUCTION UNIT 16" X 6' 3 PH		MFR: AMERICAN		Vessel Size (btu/hr) 350000
Glycol Dehy's		Glycol flowrate (gpm) Design			Actual	
		Natural gas rate (mmcfd):		Design	Glycol type (TEG, DEG, EG,Other)	
Compressor		Engine description (include LxWxH)				
		Ht of Ex Stack above Equip:			Comp Mfr:	
		Max RPM's run on sustained basis:				
SPCC		Top	Bottom	Distance from water source		
Chem Storage (bulk)		Chemical Vendor		Chemical Name	Quantity Stored	# of Bulk Containers
Asbestos		Is tin on vessel torn, punctured, etc.?				
		Insulation visable?				
		Other				
H2S		PPM				

Remarks:

CONOCO INC.
JICARILLA A-13 SURFACE COMMINGLE

EXHIBIT E

Wellbore Diagram and Well Summary

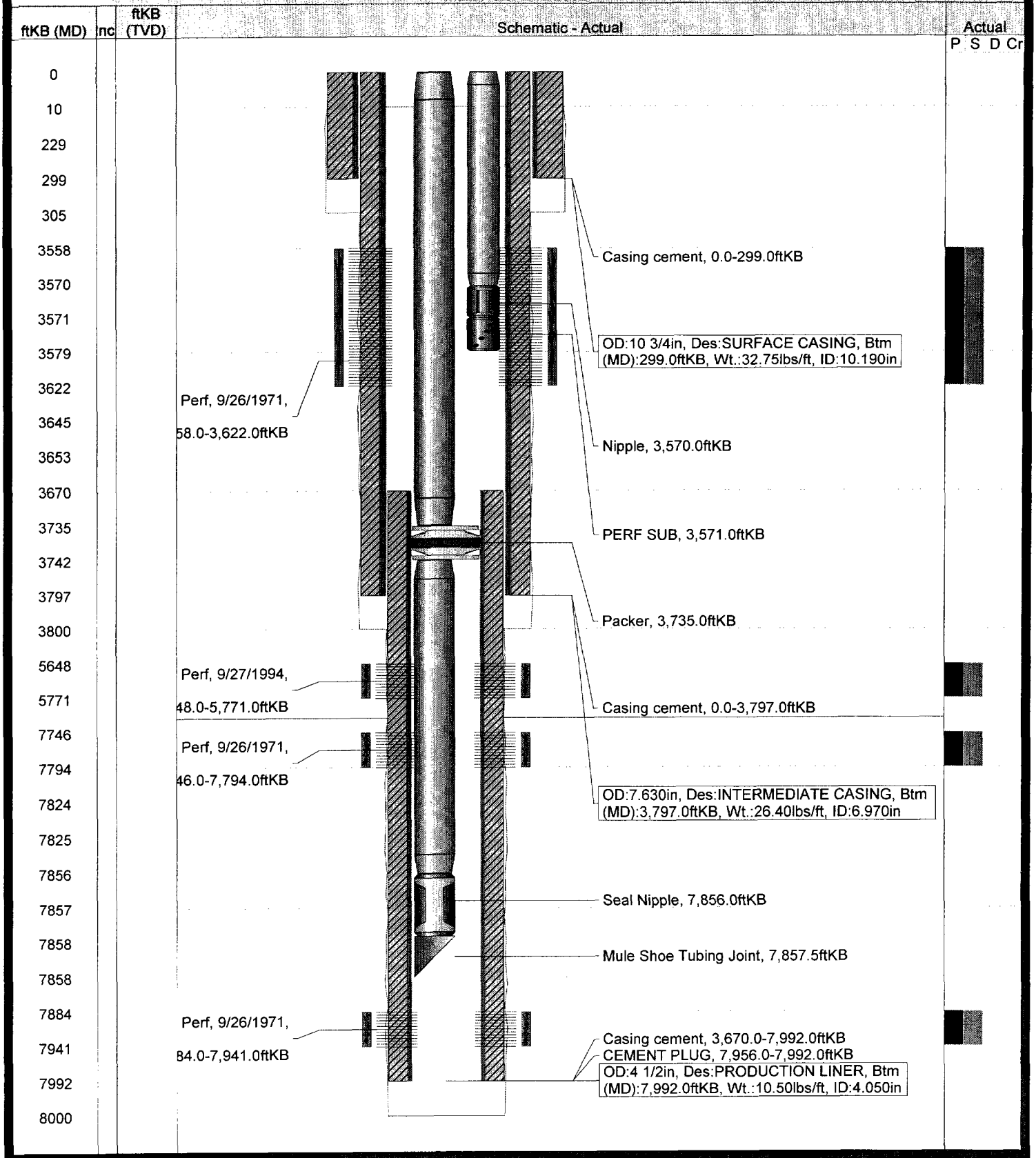
JICARILLA A 13

Current Schematic

API	Field Name	Area	Operator	County	State/Province
300392039500	BASIN DK/BLANCO MV/TAPACITO PC	SOUTH		RIO ARRIBA	NEW MEXICO

KB Elev (ft)	Ground Elev (ft)	Casing Flange Elev (ft)	KB-Ground Distance (ft)	KB-Casing Flange Distance (ft)	Spud Date
6890.00	6880.00	0.00	10.00	6890.00	9/8/1971

Main Hole: 2/12/2002



JICARILLA A 13

Well Summary

API	Field Name	Area	Operator	County	State/Province
300392039500	BASIN DK/BLANCO MV/TAPACITO PC	SOUTH		RIO ARRIBA	NEW MEXICO

KB Elev (ft)	Ground Elev (ft)	Casing Flange Elev (ft)	KB-Ground Distance (ft)	KB-Casing Flange Distance (ft)	Spud Date
6890.00	6880.00	0.00	10.00	6890.00	9/8/1971

Location

East-West Distance (ft)	From E or W Line	North-South Distance (ft)	From N or S Line
790.0	W	1850.0	N

Latitude (DMS)	Longitude (DMS)
36° 29' 19.032" N	107° 12' 32.4" W

Legal Survey Type	Surface Legal Location
Dwight's	NMPM-26N-4W-13-E

Wellhead

Section	Make	Model	Working Pressure (psi)	Service

Top Connection Type	Top Sz (in)	Top WP (psi)	Bottom Connection Type	Btm Sz (in)	Btm WP (psi)

Wellbore

Name	Profile Type	VS Dir (°)
Main Hole		

Sz (in)	Top (ftKB)	Btm (ftKB)	Start	End
13 3/4	10.0	305.0		9/9/1971
9 7/8	305.0	3,800.0		9/14/1971
6 3/4	3,800.0	8,000.0		9/19/1971

Zones

Zone	Pool	Top (ftKB)	Bottom (ftKB)
Producing Zone	Dakota/Mesaverde/F Cliffs	0.0	

Casing Strings

Des	Run	Btm (ftKB)	Com
SURFACE CASING	9/9/1971	299.0	
INTERMEDIATE CASING	9/14/1971	3,797.0	
PRODUCTION LINER	9/20/1971	7,992.0	WL Tagged Fill @ 7859', 5/12/97

Perforations

Date	Top (ftKB)	Btm (ftKB)	Shot Dens (shots/ft)
9/26/1971	3,558.0	3,622.0	0.3
9/27/1994	5,648.0	5,771.0	0.3
9/26/1971	7,746.0	7,794.0	0.3
9/26/1971	7,884.0	7,941.0	0.3

Tubing Strings

Des	Run	Pulled	Btm (ftKB)
Tubing (PC)	1/10/1997	2/4/2002	3,579.0
Tubing (MV/DK)	1/10/1997	2/4/2002	7,857.0
Tubing - Production(MV/DK)	2/12/2002		7,858.0

Rods

Des	Run	Pulled	Btm (ftKB)

Other In Hole

Des	Run	Pull	Top (ftKB)	OD (in)	ID (in)

Logs

Date	Type	Incr (ftKB)	Hole
9/13/1971	IND (WV54 LogRun)		Main Hole
9/19/1971	DEN (WV54 LogRun)		Main Hole
9/19/1971	OH TEMP (WV54 LogRun)		Main Hole
9/25/1971	GR-C (WV54 LogRun)		Main Hole

Pumping Unit

Type	Make	Model	Serial Number

Installation Date	Maximum Rod Load (100lbf)	Current Stroke Length (in)	Maximum Stroke Length (in)	Sheave Size (in)

Gear Box Description	Gear Box SN	Gear Box Ratio	Max In Torq (1000in-lbs)	Last Overhaul Date

JICARILLA A 13

Well Summary

API	Field Name	Area	Operator	County	State/Province
300392039500	BASIN DK/BLANCO MV/TAPACITO PC	SOUTH		RIO ARRIBA	NEW MEXICO

KB Elev (ft)	Ground Elev (ft)	Casing Flange Elev (ft)	KB-Ground Distance (ft)	KB-Casing Flange Distance (ft)	Spud Date
6890.00	6880.00	0.00	10.00	6890.00	9/8/1971

Location

East-West Distance (ft)	From E or W Line	North-South Distance (ft)	From N or S Line
790.0	W	1850.0	N

Latitude (DMS)	Longitude (DMS)
36° 29' 19.032" N	107° 12' 32.4" W

Legal Survey Type	Surface Legal Location
Dwight's	NMPM-26N-4W-13-E

Wellbore

Wellhead

Section	Make	Model	Working Pressure (psi)	Service

Top Connection Type	Top Sz (in)	Top WP (psi)	Bottom Connection Type	Btm Sz (in)	Btm WP (psi)

Zones

Casing Strings

Des	Run	Btm (ftKB)	Com

Perforations

Date	Top (ftKB)	Btm (ftKB)	Shot Dens (shots/ft)

Tubing Strings

Des	Run	Pulled	Btm (ftKB)
Tubing - PC Production	2/12/2002		3,579.0

Rods

Des	Run	Pulled	Btm (ftKB)

Other In Hole

Des	Run	Pull	Top (ftKB)	OD (in)	ID (in)

Logs

Date	Type	Incr (ftKB)	Hole

Pumping Unit

Type	Make	Model	Serial Number

Installation Date	Maximum Rod Load (100lbf)	Current Stroke Length (in)	Maximum Stroke Length (in)	Sheave Size (in)

Gear Box Description	Gear Box SN	Gear Box Ratio	Max In Torq (1000in-lbs)	Last Overhaul Date

CONOCO INC.
JICARILLA A-13 SURFACE COMMINGLE

EXHIBIT F

Administrative order DHC-1334
Allocation percentages for all zones surface commingled

File

NEW MEXICO ENERGY, MINERALS & NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION
2040 South Pacheco Street
Santa Fe, New Mexico 87505
(505) 827-7131

ADMINISTRATIVE ORDER DHC-1334

30-039-20395

Conoco, Inc.
10 Desta Drive, Suite 100W
Midland, Texas 79705-4500

Attention: Jerry W. Hoover

Jicarilla 'A' Well No.13
Unit 'E', Section 13, Township 26 North, Range 4 West,
Rio Arriba County, New Mexico.
Blanco Mesaverde (Prorated Gas - 72319) and
Basin Dakota (Prorated Gas - 71599) Pools

Dear Mr. Hoover:

Reference is made to your recent application for an exception to Rule 303.A. of the Division Rules and Regulations to permit the subject well to commingle production from both pools in the wellbore.

It appearing that the subject well qualifies for approval for such exception pursuant to the provisions of Rule 303.C., and that reservoir damage or waste will not result from such downhole commingling, and correlative rights will not be violated thereby, you are hereby authorized to commingle the production as described above and any Division Order which authorized the dual completion and required separation of the two zones is hereby placed in abeyance.

The maximum amount of gas which may be produced daily from the well shall be determined by Division Rules and Regulations or by the gas allowable for each respective prorated pool as printed in the Division's San Juan Basin Gas Proration Schedule.

Assignment of allowable to the wells and allocation of production from the wells shall be on the following basis:

Blanco Mesaverde Pool	Oil 22%	Gas 65%
Basin Dakota Pool	Oil 78%	Gas 35%

FURTHER: The operator shall notify the Aztec District Office of the Division upon implementation of the commingling process.

Pursuant to Rule 303.H., the commingling authority granted by the order may be rescinded by the Division Director if, in his opinion, conservation is not being best served by such commingling.

Approved at Santa Fe, New Mexico on this 28th day of August, 1996.

STATE OF NEW MEXICO
OIL CONSERVATION DIVISION

WILLIAM J. LEMAY
Director

S E A L

WJL/BES

cc: Oil Conservation Division - Aztec
Bureau of Land Management - Farmington

Jicarilla A-13
Mesaverde/Dakota Production per year
Starting 9/2002

Year	Gas Rate Mcfpd	Oil Rate Bopd
2002	126.2	1.71
2003	122.0	1.63
2004	116.3	1.55
2005	110.9	1.48
2006	105.8	1.41
2007	100.9	1.35
2008	96.2	1.28
2009	91.7	1.22
2010	87.5	1.17
2011	83.4	1.11
2012	79.6	1.06
2013	75.9	1.01
2014	72.4	0.97
2015	69.0	0.92
2016	65.8	0.88
2017	62.8	0.84
2018	59.9	0.80
2019	57.1	0.76
2020	54.5	0.73
2021	52.0	0.69
2022	49.6	0.66
2023	47.3	0.63
2024	45.1	0.60
2025	43.0	0.57
2026	41.1	0.55
2027	39.2	0.52
2028	37.4	0.50
2029	35.7	0.48
2030	34.0	0.45
2031	32.5	0.43
2032	31.0	0.41
2033	29.6	0.39
2034	28.2	0.38
2035	26.9	0.32
2036	23.0	0.19
2037	13.9	0.18
2038	13.2	0.18
2039	12.5	0.17
2040	11.9	0.16
2041	11.3	0.15
2042	10.7	0.14
2043	10.2	0.14
2044	9.7	0.13
2045	9.2	0.00

Jicarilla A-13
Forecasted Pictured Cliffs per year
Starting 9/2002

Year	Gas Rate Mcfpd	Oil Rate Bopd	Percent Allocation
2002	35.0	0.00	**21.71%**
2003	33.4	0.00	**21.49%**
2004	31.5	0.00	**21.33%**
2005	29.8	0.00	**21.17%**
2006	28.1	0.00	**21.01%**
2007	26.6	0.00	**20.85%**
2008	25.1	0.00	**20.69%**
2009	23.7	0.00	**20.53%**
2010	22.4	0.00	**20.37%**
2011	21.1	0.00	**20.21%**
2012	20.0	0.00	**20.06%**
2013	18.8	0.00	**19.90%**
2014	17.8	0.00	**19.75%**
2015	16.8	0.00	**19.59%**
2016	15.9	0.00	**19.43%**
2017	15.0	0.00	**19.28%**
2018	14.2	0.00	**19.13%**
2019	13.4	0.00	**18.97%**
2020	12.6	0.00	**18.82%**
2021	11.9	0.00	**18.66%**
2022	11.3	0.00	**18.51%**
2023	10.6	0.00	**18.36%**
2024	10.2	0.00	**18.39%**
2025	9.8	0.00	**18.51%**
2026	9.4	0.00	**18.64%**
2027	9.1	0.00	**18.76%**
2028	8.7	0.00	**18.89%**
2029	8.4	0.00	**19.02%**
2030	8.1	0.00	**19.14%**
2031	7.8	0.00	**19.27%**
2032	7.5	0.00	**19.40%**
2033	7.2	0.00	**19.53%**
2034	6.9	0.00	**19.65%**
2035	6.6	0.00	**19.78%**
2036	6.4	0.00	**21.76%**
2037	6.1	0.00	**30.68%**
2038	5.9	0.00	**30.95%**
2039	5.7	0.00	**31.22%**
2040	5.5	0.00	**31.49%**
2041	5.3	0.00	**31.76%**
2042	5.1	0.00	**32.03%**
2043	4.9	0.00	**32.31%**
2044	4.7	0.00	**32.58%**
2045	4.5	0.00	**32.85%**

Jicarilla A-13
Combined PC, MV and Dakota
Starting 9/2002

Year	Gas Rate Mcfpd	Oil Rate Bopd
2002	161.2	1.71
2003	155.4	1.63
2004	147.9	1.55
2005	140.7	1.48
2006	133.9	1.41
2007	127.4	1.35
2008	121.3	1.28
2009	115.4	1.22
2010	109.8	1.17
2011	104.6	1.11
2012	99.5	1.06
2013	94.7	1.01
2014	90.2	0.97
2015	85.8	0.92
2016	81.7	0.88
2017	77.8	0.84
2018	74.0	0.80
2019	70.5	0.76
2020	67.1	0.73
2021	63.9	0.69
2022	60.8	0.66
2023	57.9	0.63
2024	55.3	0.60
2025	52.8	0.57
2026	50.5	0.55
2027	48.2	0.52
2028	46.1	0.50
2029	44.0	0.48
2030	42.1	0.45
2031	40.2	0.43
2032	38.4	0.41
2033	36.7	0.39
2034	35.1	0.38
2035	33.6	0.32
2036	29.3	0.19
2037	20.0	0.18
2038	19.1	0.18
2039	18.2	0.17
2040	17.4	0.16
2041	16.6	0.15
2042	15.8	0.14
2043	15.1	0.14
2044	14.4	0.13
2045	13.7	0.00