

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 _____

[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
 Print or Type Name

Yolanda Perez
 Signature

Sr. Regulatory Analyst
 Title

8/8/02
 Date

yolanda.perez@conoco.com
 e-mail Address

02 AUG - 8 PM 2:22
 J. C. ...



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 "B" 9A
API 30-039-06327, Section 26, T26N, R4W, Unit Ltr. D
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 "B" 9A is currently a dual completion, with Tapacito Pictured Cliffs in combination with downhole commingled Blanco Mesaverde and Wild Horse 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 subject well & offset wells.
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-1785 showing the proposed allocation of production.

The Mesaverde/Dakota producing intervals in the Jicarilla "B" 9A were shut-in in October 2000 following a sudden cessation of production. Through follow-up investigation, production in this well was found to have ceased due to liquid loading caused by the presence of drilling mud in the wellbore. In December 2001, a workover rig was brought in to locate the source of the mud, remediate the wellbore if possible, and re-establish production from the Mesaverde and Dakota. Following clean-up and testing of individual sets of Mesaverde and Dakota perforations, the source of mud inflow was determined to be the Dakota perforations located between depths of 7,840' and 7,925'. Following isolation of these perforations with a bridge plug (@ 7,820'), gas and oil production was successfully reestablished from all three producing horizons. The well was set backup as a dual completion, with Tapacito Pictured Cliffs in combination with downhole commingled Blanco Mesaverde and Wild Horse Dakota.

From February through June 2002, only the downhole commingled Mesaverde and Dakota intervals were produced to sales; the Pictured Cliffs has remained shut-in due to having only one meter on location. Pictured Cliffs production potential (~20 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.

In late June 2002, the Jicarilla "B" 9A failed a packer leakage test. Work to fix this problem will be conducted in August 2002, with a September 15th deadline to complete remediation activity and retest the well to show separation of the zones. The gas production rate for the commingled Mesaverde/Dakota flowstream at the end of June was 115 MCFPD. When brought online, the Pictured Cliffs formation is expected to produce an additional 15-20 MCFPD of gas. It is recommended that surface commingled Pictured Cliffs, Mesaverde, and Dakota gas and oil production be allocated based on the allocation percentages approved per Administrative Order DHC-1785 (Exhibit F). The DHC application for said order is also attached which contains supporting documentation for the allocation split between these three zones. The justification for this allocation has not been (and should not be) changes.

Note that Administrative Order DHC-1785 established an allocation based on all three zones being downhole commingled. The downhole commingling of these three zones in April 1998 resulted in lost production, and was therefore deemed unsuccessful. In July 1998, the wellbore was reconfigured as a dual completion, with Tapacito Pictured Cliffs in combination with downhole commingled Blanco Mesaverde and Wild Horse Dakota. Administrative Order DHC-1785 was never amended following the workover in 1998. Recommended amendments to Administrative Order DHC-1785 with allocations representative of Mesaverde/Dakota being the only zones downhole commingled, are attached. These recommended amendments split production that is not attributable to the Pictured Cliffs (84% of total gas and 100% of total oil) proportionately between the Mesaverde and Dakota, based on their allocation percentages (grossed up to 100).

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

Sincerely,

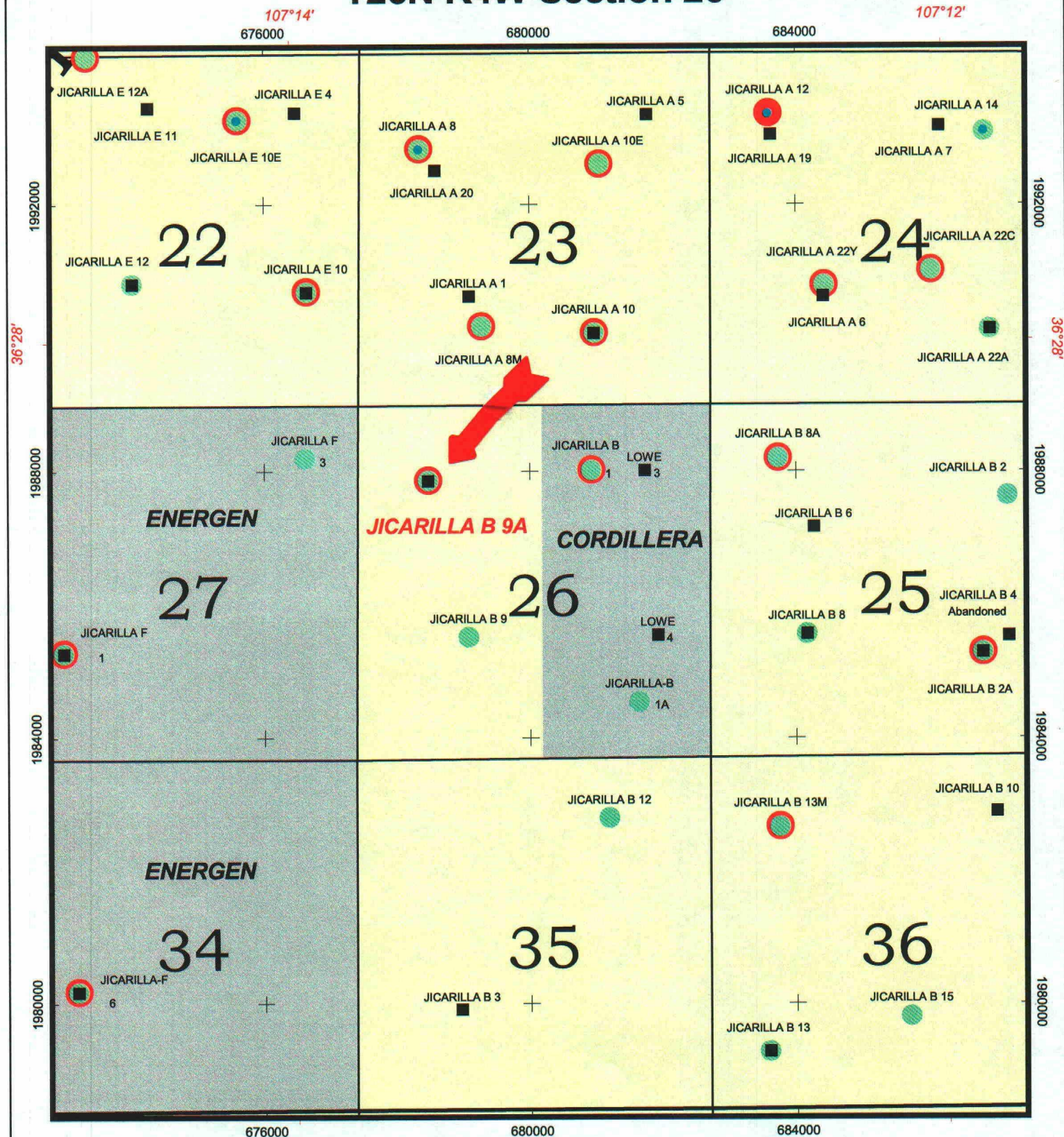
A handwritten signature in cursive script that reads "Yolanda Perez".

Yolanda Perez
Sr. Regulatory Analyst
Lobo/San Juan Asset

**CONOCO INC.
JICARILLA "B" 9A SURFACE COMMINGLE**

EXHIBIT A
Lease Plat

T26N R4W Section 26



- Gallup
- Pictured Cliffs
- Mesa Verde
- Dakota
- Other Operators
- Conoco Leases

2000 0 2000 Feet



Conoco

San Juan Basin, N. M.

Jicarilla B 9A

Surface Commingle Application

1130' FNL & 1055' FWL

Author: Angela Whitfield	Date: 7-11-2002
Compiled by:	Map of
MD File:	

Pictured Cliffs to be surface commingled with DHC'd MV/DK.

**CONOCO INC.
JICARILLA "B" 9A SURFACE COMMINGLE**

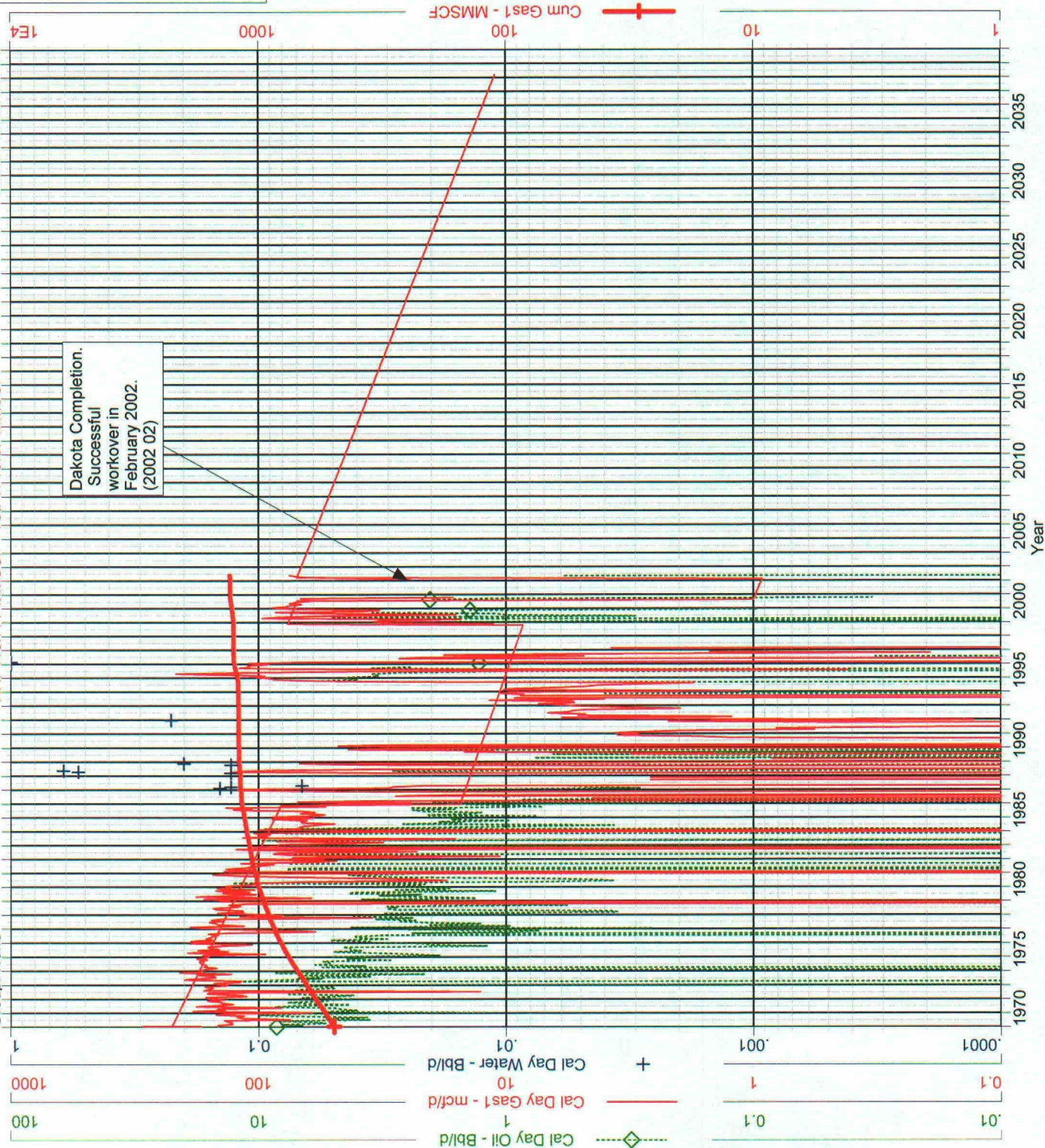
EXHIBIT B
Production Volume Reports

JICARILLA B - 9A_DK (1884862) Data: Jan. 1970-May. 2002

Operator: CONOCO INC
Field: WILD HORSE (DAKOTA) DK
Zone: DAKOTA
Type: Gas
Group: None

Cal Day Gas FC 1 (Rate-Time)
qi: 223.692 mcf/d, Jan, 1970
qf: 11.0223 mcf/d, Mar, 2038
di(Exp): 6.20625 CTD: 1302.3 MMSCF
RR: 413.777 MMSCF Tot: 1716.07 MMSCF

Production Cums
Oil: 66.762 MSTB
Gas: 1302.3 MMSCF
Water: 0.126 MSTB
Cond: 0.522 MSTB



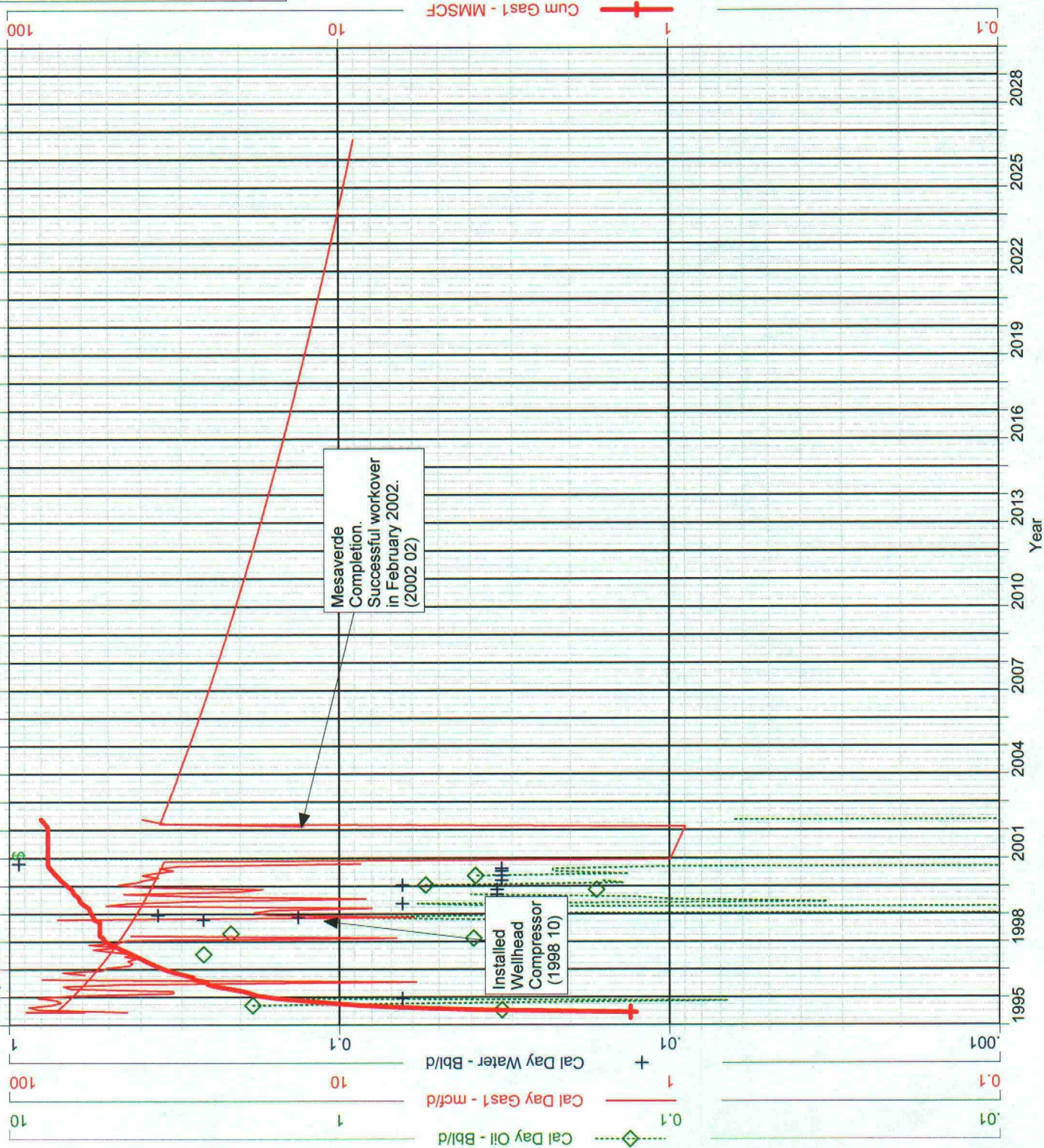
---◇--- Cal Day Oil - Bbl/d
Cum: 66.762 MSTB
--- Cal Day Gas - mcf/d
Cum: 1302.3 MMSCF
---○--- Cal Day Gas FC 1 - mcf/d
versus time
Qi: 223.692 mcf/d, Jan, 1970
Qf: 11.0223 mcf/d, Mar, 2038
Di(Exponential) : 6.20625
RR: 413.777 MMSCF
EUR: 1716.07 MMSCF
Corr coeff: N/A
+ Cal Day Water - Bbl/d
Cum: 0.126 MSTB
---+--- Cum Gas - MMSCF
Cum: 0

JICARILLA B - 9A_MV (1884873) Data: Jun. 1995-May. 2002

Operator: CONOCO INC
 Field: BLANCO (MESASVERDE) MV
 Zone: MESASVERDE
 Type: Other
 Group: None

Cal Day Gas FC 1 (Rate-Time)
 qi: 73.0527 mcf/d, Jun, 1995
 qf: 9.00627 mcf/d, Sep, 2026
 di(Hyp): 18.4764 CTD: 79.8962 MMSCF
 RR: 156.555 MMSCF Tot: 236.452 MMSCF

Production Cums
 Oil: 0.478 MSTB
 Gas: 79.8962 MMSCF
 Water: 0.066 MSTB
 Cond: 0 MSTB



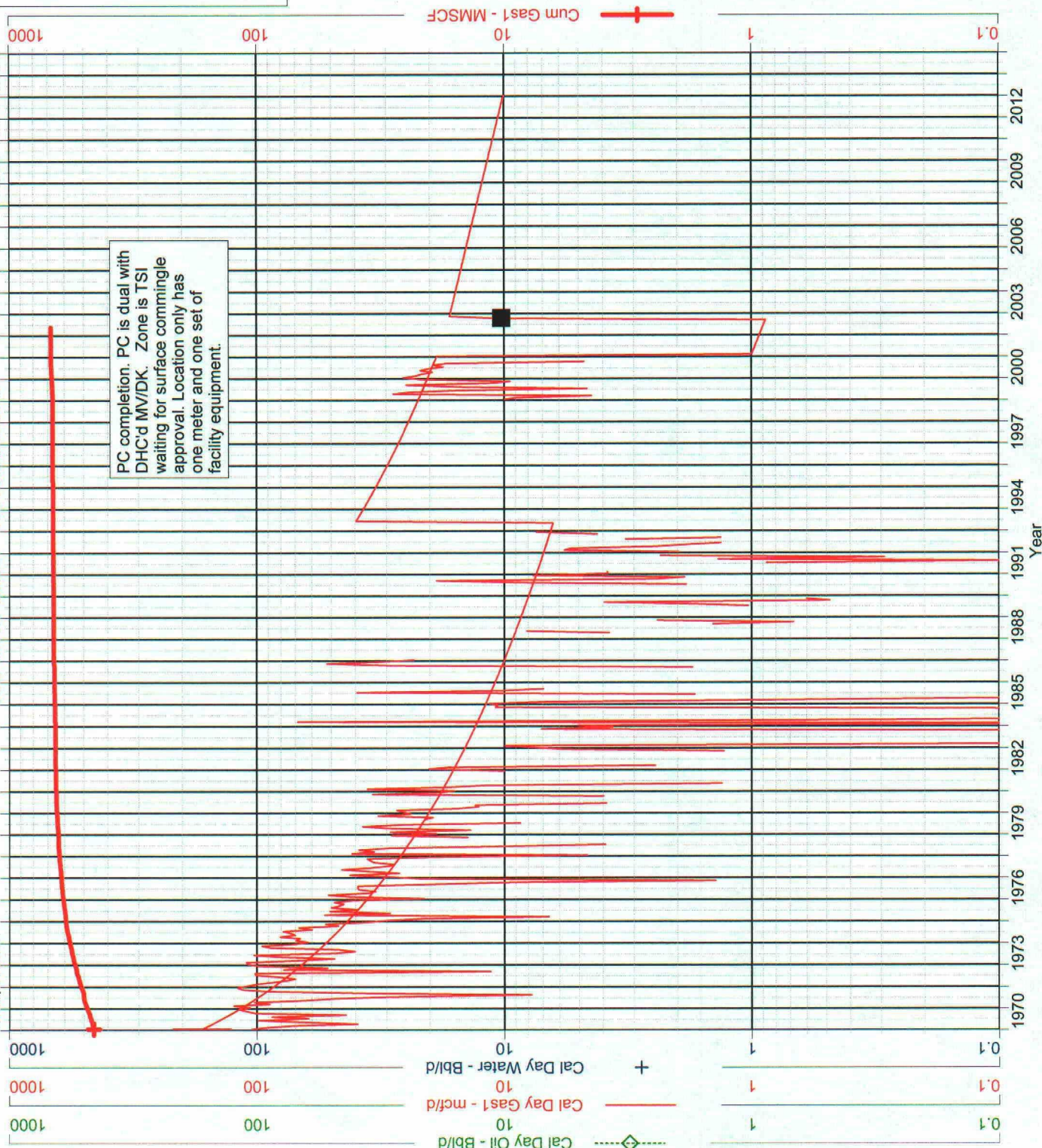
Cal Day Oil - Bbl/d
 Cum: 0.478 MSTB
 Cal Day Gas1 - mcf/d
 Cum: 79.8962 MMSCF
 Cal Day Gas FC 1 - mcf/d
 versus time
 Qi: 73.0527 mcf/d, Jun, 1995
 Qf: 9.00627 mcf/d, Sep, 2026
 Di(Hyperbolic) : 18.4764
 n: 1.2
 RR: 156.555 MMSCF
 EUR: 236.452 MMSCF
 Corr coeff: N/A
 Cal Day Water - Bbl/d
 Cum: 0.066 MSTB
 Cum Gas1 - MMSCF
 Cum: 0

JICARILLA B - 9A_PC (1884861) Data: Nov.1961-May.2002

Operator: CONOCO INC
 Field: TAPACITO (PICTURED CLIFFS) PC
 Zone: PICTURED CLIFFS
 Type: Gas
 Group: None

Cal Day Gas FC 1 (Rate-Time)
 qi: 169.442 mcf/d, Jan, 1970
 qf: 10.02 mcf/d, Jan, 2013
 di(Hyp): 31.1288 CTD: 676.262 MMSCF
 RR: 49.1187 MMSCF Tot: 725.38 MMSCF

Production Cums
 Oil: 0 MSTB
 Gas: 676.262 MMSCF
 Water: 0 MSTB
 Cond: 3.71 MSTB



Cal Day Oil - Bbl/d
 Cum: 0 MSTB

Cal Day Gas1 - mcf/d
 Cum: 676.262 MMSCF

Cal Day Gas FC 1 - mcf/d
 versus time
 Qi: 169.442 mcf/d, Jan, 1970
 Qf: 10.02 mcf/d, Jan, 2013
 Di(Hyperbolic) : 31.1288
 n: 0.571868
 RR: 49.1187 MMSCF
 EUR: 725.38 MMSCF
 Corr coeff: N/A

+ Cal Day Water - Bbl/d
 Cum: 0 MSTB

+ Cum Gas1 - MMSCF
 Cum: 0

Well: JICARILLA B - 9A_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
1970 01	0.00	104.48	0.00	166.56	454.73
1970 02	0.00	92.25	0.00	161.00	457.31
1970 03	---	71.42	---	155.72	459.53
1970 04	---	39.07	---	150.71	460.70
1970 05	---	65.77	---	145.95	462.74
1970 06	---	98.27	---	141.42	465.68
1970 07	---	61.65	---	137.11	467.60
1970 08	---	86.68	---	133.00	470.28
1970 09	---	43.57	---	129.08	471.59
1970 10	---	101.16	---	125.34	474.73
1970 11	---	110.03	---	121.77	478.03
1970 12	---	116.97	---	118.35	481.65
1971 01	---	106.35	---	115.09	484.95
1971 02	---	123.57	---	111.96	488.41
1971 03	---	88.58	---	108.96	491.16
1971 04	---	102.13	---	106.09	494.22
1971 05	---	64.35	---	103.34	496.21
1971 06	---	48.03	---	100.69	497.66
1971 07	---	29.19	---	98.16	498.56
1971 08	---	7.74	---	95.72	498.80
1971 09	---	34.03	---	93.37	499.82
1971 10	---	87.74	---	91.11	502.54
1971 11	---	113.83	---	88.94	505.96
1971 12	---	119.61	---	86.85	509.67
1972 01	---	109.84	---	84.83	513.07
1972 02	---	100.21	---	82.89	515.98
1972 03	---	87.06	---	81.02	518.67
1972 04	---	75.57	---	79.21	520.94
1972 05	---	69.81	---	77.46	523.11
1972 06	---	80.90	---	75.78	525.53
1972 07	---	100.84	---	74.15	528.66
1972 08	---	101.55	---	72.58	531.81
1972 09	---	11.33	---	71.05	532.15
1972 10	---	78.03	---	69.58	534.57
1972 11	---	51.67	---	68.15	536.12
1972 12	---	97.77	---	66.77	539.15
1973 01	---	108.29	---	65.44	542.50
1973 02	---	109.82	---	64.14	545.58
1973 03	---	66.39	---	62.89	547.64
1973 04	---	48.43	---	61.67	549.09
1973 05	---	81.55	---	60.49	551.62
1973 06	---	102.60	---	59.34	554.70
1973 07	---	48.29	---	58.23	556.19
1973 08	---	40.00	---	57.15	557.43
1973 09	---	46.80	---	56.11	558.84
1973 10	---	87.39	---	55.09	561.55
1973 11	---	95.13	---	54.10	564.40
1973 12	---	70.42	---	53.14	566.58
1974 01	---	62.06	---	52.20	568.51
1974 02	---	69.36	---	51.29	570.45
1974 03	---	66.77	---	50.41	572.52
1974 04	---	80.27	---	49.55	574.93
1974 05	---	69.97	---	48.71	577.10
1974 06	---	72.73	---	47.89	579.28
1974 07	---	78.19	---	47.10	581.70

Well: JICARILLA B - 9A_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
1974 08	---	59.84	---	46.32	583.56
1974 09	---	67.53	---	45.57	585.58
1974 10	---	46.77	---	44.83	587.03
1974 11	---	52.63	---	44.11	588.61
1974 12	---	37.06	---	43.42	589.76
1975 01	---	29.39	---	42.73	590.67
1975 02	---	21.14	---	42.07	591.26
1975 03	---	6.58	---	41.42	591.47
1975 04	---	53.13	---	40.79	593.06
1975 05	---	29.00	---	40.17	593.96
1975 06	---	50.53	---	39.56	595.48
1975 07	---	38.90	---	38.97	596.68
1975 08	---	50.00	---	38.40	598.23
1975 09	---	46.80	---	37.84	599.64
1975 10	---	44.55	---	37.29	601.02
1975 11	---	48.57	---	36.75	602.47
1975 12	---	40.77	---	36.22	603.74
1976 01	---	20.97	---	35.71	604.39
1976 02	---	41.55	---	35.21	605.59
1976 03	---	51.42	---	34.72	607.19
1976 04	---	35.43	---	34.24	608.25
1976 05	---	33.10	---	33.77	609.28
1976 06	---	38.67	---	33.31	610.44
1976 07	---	39.10	---	32.86	611.65
1976 08	---	38.97	---	32.42	612.86
1976 09	---	20.07	---	31.98	613.46
1976 10	---	9.16	---	31.56	613.74
1976 11	---	1.40	---	31.15	613.78
1976 12	---	21.61	---	30.74	614.45
1977 01	---	28.19	---	30.35	615.33
1977 02	---	42.04	---	29.96	616.51
1977 03	---	26.58	---	29.57	617.33
1977 04	---	34.30	---	29.20	618.36
1977 05	---	45.19	---	28.83	619.76
1977 06	---	35.07	---	28.48	620.81
1977 07	---	29.32	---	28.12	621.72
1977 08	---	27.84	---	27.78	622.58
1977 09	---	33.60	---	27.44	623.59
1977 10	---	34.71	---	27.11	624.67
1977 11	---	35.77	---	26.78	625.74
1977 12	---	19.90	---	26.46	626.36
1978 01	---	4.61	---	26.15	626.50
1978 02	---	41.21	---	25.84	627.65
1978 03	---	33.48	---	25.54	628.69
1978 04	---	38.57	---	25.24	629.85
1978 05	---	28.94	---	24.95	630.75
1978 06	---	10.00	---	24.66	631.05
1978 07	---	3.90	---	24.38	631.17
1978 08	---	---	---	24.10	631.17
1978 09	---	---	---	23.83	631.17
1978 10	---	---	---	23.57	631.17
1978 11	---	14.00	---	23.30	631.59
1978 12	---	28.52	---	23.05	632.47
1979 01	---	18.77	---	22.79	633.05

Well: JICARILLA B - 9A_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
1979 02	---	28.82	---	22.54	633.86
1979 03	---	13.68	---	22.30	634.28
1979 04	---	29.80	---	22.06	635.18
1979 05	---	37.32	---	21.82	636.34
1979 06	---	25.70	---	21.59	637.11
1979 07	---	8.61	---	21.36	637.37
1979 08	---	---	---	21.14	637.37
1979 09	---	20.93	---	20.92	638.00
1979 10	---	19.39	---	20.70	638.60
1979 11	---	32.30	---	20.49	639.57
1979 12	---	23.74	---	20.28	640.31
1980 01	---	25.29	---	20.07	641.09
1980 02	---	27.14	---	19.87	641.88
1980 03	---	15.81	---	19.67	642.37
1980 04	---	12.67	---	19.47	642.75
1980 05	---	13.06	---	19.27	643.15
1980 06	---	3.87	---	19.08	643.27
1980 07	---	---	---	18.90	643.27
1980 08	---	---	---	18.71	643.27
1980 09	---	---	---	18.53	643.27
1980 10	---	3.97	---	18.35	643.39
1980 11	---	33.97	---	18.17	644.41
1980 12	---	18.19	---	18.00	644.98
1981 01	---	15.84	---	17.83	645.47
1981 02	---	35.68	---	17.66	646.47
1981 03	---	16.74	---	17.49	646.98
1981 04	---	11.73	---	17.33	647.34
1981 05	---	1.32	---	17.16	647.38
1981 06	---	---	---	17.00	647.38
1981 07	---	---	---	16.85	647.38
1981 08	---	---	---	16.69	647.38
1981 09	---	---	---	16.54	647.38
1981 10	---	---	---	16.39	647.38
1981 11	---	---	---	16.24	647.38
1981 12	---	10.03	---	16.10	647.69
1982 01	---	20.10	---	15.95	648.31
1982 02	---	16.82	---	15.81	648.78
1982 03	---	2.45	---	15.67	648.86
1982 04	---	---	---	15.53	648.86
1982 05	---	---	---	15.39	648.86
1982 06	---	---	---	15.26	648.86
1982 07	---	---	---	15.13	648.86
1982 08	---	---	---	15.00	648.86
1982 09	---	---	---	14.87	648.86
1982 10	---	---	---	14.74	648.86
1982 11	---	1.30	---	14.62	648.90
1982 12	---	5.77	---	14.49	649.08
1983 01	---	7.97	---	14.37	649.32
1983 02	---	9.96	---	14.25	649.60
1983 03	---	0.03	---	14.13	649.60
1983 04	---	---	---	14.01	649.60
1983 05	---	---	---	13.90	649.60
1983 06	---	---	---	13.78	649.60
1983 07	---	---	---	13.67	649.60
1983 08	---	---	---	13.56	649.60

Well: JICARILLA B - 9A_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
1983 09	---	---	---	13.45	649.60
1983 10	---	0.10	---	13.34	649.61
1983 11	---	7.07	---	13.23	649.82
1983 12	---	3.65	---	13.13	649.93
1984 01	---	5.03	---	13.02	650.09
1984 02	---	0.03	---	12.92	650.09
1984 03	---	68.16	---	12.82	652.20
1984 04	---	0.20	---	12.71	652.21
1984 05	---	0.03	---	12.62	652.21
1984 06	---	---	---	12.52	652.21
1984 07	---	---	---	12.42	652.21
1984 08	---	---	---	12.32	652.21
1984 09	---	---	---	12.23	652.21
1984 10	---	0.06	---	12.14	652.21
1984 11	---	10.83	---	12.04	652.54
1984 12	---	10.65	---	11.95	652.87
1985 01	---	11.45	---	11.86	653.22
1985 02	---	6.68	---	11.77	653.41
1985 03	---	0.74	---	11.68	653.43
1985 04	---	0.07	---	11.60	653.43
1985 05	---	---	---	11.51	653.43
1985 06	---	1.70	---	11.42	653.48
1985 07	---	39.32	---	11.34	654.70
1985 08	---	10.45	---	11.26	655.03
1985 09	---	6.93	---	11.18	655.23
1985 10	---	---	---	11.09	655.23
1985 11	---	---	---	11.01	655.23
1985 12	---	---	---	10.93	655.23
1986 01	---	---	---	10.86	655.23
1986 02	---	---	---	10.78	655.23
1986 03	---	---	---	10.70	655.23
1986 04	---	---	---	10.63	655.23
1986 05	---	---	---	10.55	655.23
1986 06	---	---	---	10.48	655.23
1986 07	---	---	---	10.40	655.23
1986 08	---	---	---	10.33	655.23
1986 09	---	1.73	---	10.26	655.29
1986 10	---	28.39	---	10.19	656.17
1986 11	---	52.10	---	10.12	657.73
1986 12	---	32.42	---	10.05	658.73
1987 01	---	23.13	---	9.98	659.45
1987 02	---	---	---	9.91	659.45
1987 03	---	---	---	9.84	659.45
1987 04	---	---	---	9.78	659.45
1987 05	---	---	---	9.71	659.45
1987 06	---	---	---	9.64	659.45
1987 07	---	---	---	9.58	659.45
1987 08	---	---	---	9.52	659.45
1987 09	---	---	---	9.45	659.45
1987 10	---	---	---	9.39	659.45
1987 11	---	---	---	9.33	659.45
1987 12	---	0.77	---	9.27	659.48
1988 01	---	---	---	9.21	659.48
1988 02	---	---	---	9.15	659.48

Well: JICARILLA B - 9A_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
1988 03	---	---	---	9.09	659.48
1988 04	---	3.77	---	9.03	659.59
1988 05	---	8.06	---	8.97	659.84
1988 06	---	---	---	8.91	659.84
1988 07	---	0.42	---	8.86	659.85
1988 08	---	---	---	8.80	659.85
1988 09	---	1.43	---	8.74	659.89
1988 10	---	0.68	---	8.69	659.92
1988 11	---	2.40	---	8.63	659.99
1988 12	---	---	---	8.58	659.99
1989 01	---	---	---	8.53	659.99
1989 02	---	---	---	8.47	659.99
1989 03	---	---	---	8.42	659.99
1989 04	---	---	---	8.37	659.99
1989 05	---	---	---	8.32	659.99
1989 06	---	---	---	8.26	659.99
1989 07	---	1.03	---	8.21	660.02
1989 08	---	1.68	---	8.16	660.07
1989 09	---	3.93	---	8.11	660.19
1989 10	---	0.48	---	8.07	660.20
1989 11	---	0.60	---	8.02	660.22
1989 12	---	---	---	7.97	660.22
1990 01	---	---	---	7.92	660.22
1990 02	---	---	---	7.87	660.22
1990 03	---	0.39	---	7.83	660.23
1990 04	---	---	---	7.78	660.23
1990 05	---	---	---	7.73	660.23
1990 06	---	---	---	7.69	660.23
1990 07	---	1.84	---	7.64	660.29
1990 08	---	8.61	---	7.60	660.56
1990 09	---	18.70	---	7.55	661.12
1990 10	---	2.45	---	7.51	661.20
1990 11	---	1.87	---	7.47	661.25
1990 12	---	7.61	---	7.42	661.49
1991 01	---	3.81	---	7.38	661.61
1991 02	---	3.82	---	7.34	661.71
1991 03	---	---	---	7.30	661.71
1991 04	---	---	---	7.25	661.71
1991 05	---	---	---	7.21	661.71
1991 06	---	---	---	7.17	661.71
1991 07	---	0.87	---	7.13	661.74
1991 08	---	0.10	---	7.09	661.74
1991 09	---	1.37	---	7.05	661.78
1991 10	---	0.29	---	7.01	661.79
1991 11	---	2.33	---	6.97	661.86
1991 12	---	---	---	6.93	661.86
1992 01	---	1.97	---	6.90	661.92
1992 02	---	5.69	---	6.86	662.09
1992 03	---	5.39	---	6.82	662.26
1992 04	---	2.43	---	6.78	662.33
1992 05	---	1.90	---	6.74	662.39
1992 06	---	1.33	---	6.71	662.43
1992 07	---	---	---	6.67	662.43
1992 08	---	3.23	---	6.64	662.53
1992 09	---	1.33	---	6.60	662.57

Well: JICARILLA B - 9A_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
1992 10	---	---	---	6.56	662.57
1992 11	---	4.20	---	6.53	662.69
1992 12	---	7.39	---	6.49	662.92
1993 01	---	---	---	6.46	662.92
1993 02	---	3.57	---	6.42	663.02
1993 03	---	---	---	6.39	663.02
1993 04	---	---	---	6.36	663.02
1993 05	---	---	---	6.32	663.02
1993 06	---	---	---	39.57	663.02
1993 07	---	---	---	39.17	663.02
1993 08	---	---	---	38.77	663.02
1993 09	---	---	---	38.38	663.02
1993 10	---	---	---	37.99	663.02
1993 11	---	---	---	37.61	663.02
1993 12	---	---	---	37.24	663.02
1994 01	---	---	---	36.87	663.02
1994 02	---	---	---	36.51	663.02
1994 03	---	---	---	36.15	663.02
1994 04	---	---	---	35.80	663.02
1994 05	---	---	---	35.46	663.02
1994 06	---	---	---	35.12	663.02
1994 07	---	---	---	34.78	663.02
1994 08	---	---	---	34.45	663.02
1994 09	---	---	---	34.12	663.02
1994 10	---	---	---	33.80	663.02
1994 11	---	---	---	33.49	663.02
1994 12	---	---	---	33.18	663.02
1995 01	---	---	---	32.87	663.02
1995 02	---	---	---	32.57	663.02
1995 03	---	---	---	32.27	663.02
1995 04	---	68.93	---	31.97	665.09
1995 05	---	---	---	31.69	665.09
1995 06	---	---	---	31.40	665.09
1995 07	---	---	---	31.12	665.09
1995 08	---	---	---	30.84	665.09
1995 09	---	---	---	30.57	665.09
1995 10	---	---	---	30.30	665.09
1995 11	---	---	---	30.03	665.09
1995 12	---	---	---	29.77	665.09
1996 01	---	---	---	29.51	665.09
1996 02	---	---	---	29.25	665.09
1996 03	---	---	---	29.00	665.09
1996 04	---	---	---	28.75	665.09
1996 05	---	---	---	28.51	665.09
1996 06	---	---	---	28.27	665.09
1996 07	---	---	---	28.03	665.09
1996 08	---	---	---	27.79	665.09
1996 09	---	---	---	27.56	665.09
1996 10	---	---	---	27.33	665.09
1996 11	---	---	---	27.10	665.09
1996 12	---	---	---	26.88	665.09
1997 01	---	---	---	26.66	665.09
1997 02	---	---	---	26.44	665.09
1997 03	---	---	---	26.23	665.09

Well: JICARILLA B - 9A_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
1997 04	---	---	---	26.01	665.09
1997 05	---	---	---	25.80	665.09
1997 06	---	---	---	25.60	665.09
1997 07	---	---	---	25.39	665.09
1997 08	---	---	---	25.19	665.09
1997 09	---	---	---	24.99	665.09
1997 10	---	---	---	24.80	665.09
1997 11	---	---	---	24.60	665.09
1997 12	---	---	---	24.41	665.09
1998 01	---	---	---	24.22	665.09
1998 02	---	---	---	24.03	665.09
1998 03	---	---	---	23.85	665.09
1998 04	---	---	---	23.66	665.09
1998 05	---	---	---	23.48	665.09
1998 06	---	---	---	23.30	665.09
1998 07	---	---	---	23.13	665.09
1998 08	---	---	---	22.95	665.09
1998 09	---	---	---	22.78	665.09
1998 10	---	---	---	22.61	665.09
1998 11	---	---	---	22.44	665.09
1998 12	---	---	---	22.28	665.09
1999 01	---	9.97	---	22.11	665.40
1999 02	---	8.89	---	21.95	665.65
1999 03	---	4.42	---	21.79	665.79
1999 04	---	28.00	---	21.63	666.63
1999 05	---	24.10	---	21.47	667.37
1999 06	---	15.40	---	21.32	667.83
1999 07	---	4.61	---	21.17	667.98
1999 08	---	15.29	---	21.01	668.45
1999 09	---	24.77	---	20.86	669.19
1999 10	---	11.16	---	20.72	669.54
1999 11	---	9.43	---	20.57	669.82
1999 12	---	21.45	---	20.42	670.49
2000 01	---	25.58	---	20.28	671.28
2000 02	---	22.62	---	20.14	671.94
2000 03	---	21.52	---	20.00	672.60
2000 04	---	19.43	---	19.86	673.19
2000 05	---	21.74	---	19.72	673.86
2000 06	---	20.07	---	19.59	674.46
2000 07	---	17.55	---	19.45	675.01
2000 08	---	19.32	---	19.32	675.61
2000 09	---	16.93	---	19.19	676.11
2000 10	---	4.74	---	19.06	676.26
2000 11	---	---	---	18.93	676.26
2000 12	---	---	---	18.80	676.26
2001 01	---	---	---	18.68	676.26
2001 02	---	---	---	1.00	676.26
2001 03	---	---	---	0.99	676.26
2001 04	---	---	---	0.98	676.26
2001 05	---	---	---	0.98	676.26
2001 06	---	---	---	0.97	676.26
2001 07	---	---	---	0.96	676.26
2001 08	---	---	---	0.96	676.26
2001 09	---	---	---	0.95	676.26
2001 10	---	---	---	0.94	676.26

Well: JICARILLA B - 9A_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
2001 11	---	---	---	0.94	676.26
2001 12	---	---	---	0.93	676.26
2002 01	---	---	---	0.93	676.26
2002 02	---	---	---	0.92	676.26
2002 03	---	---	---	0.91	676.26
2002 04	---	---	---	0.91	676.26
2002 05	---	---	---	0.90	676.26
2002 06	---	---	---	0.90	---
2002 07	---	---	---	0.89	---
2002 08	---	---	---	0.88	---
2002 09	---	---	---	0.88	---
2002 10	---	---	---	10.30	---
2002 11	---	---	---	16.54	---
2002 12	---	---	---	16.47	---
2003 01	---	---	---	16.40	---
2003 02	---	---	---	16.34	---
2003 03	---	---	---	16.27	---
2003 04	---	---	---	16.20	---
2003 05	---	---	---	16.14	---
2003 06	---	---	---	16.07	---
2003 07	---	---	---	16.00	---
2003 08	---	---	---	15.94	---
2003 09	---	---	---	15.87	---
2003 10	---	---	---	15.81	---
2003 11	---	---	---	15.74	---
2003 12	---	---	---	15.68	---
2004 01	---	---	---	15.61	---
2004 02	---	---	---	15.55	---
2004 03	---	---	---	15.49	---
2004 04	---	---	---	15.42	---
2004 05	---	---	---	15.36	---
2004 06	---	---	---	15.30	---
2004 07	---	---	---	15.23	---
2004 08	---	---	---	15.17	---
2004 09	---	---	---	15.11	---
2004 10	---	---	---	15.05	---
2004 11	---	---	---	14.99	---
2004 12	---	---	---	14.92	---
2005 01	---	---	---	14.86	---
2005 02	---	---	---	14.80	---
2005 03	---	---	---	14.74	---
2005 04	---	---	---	14.68	---
2005 05	---	---	---	14.62	---
2005 06	---	---	---	14.56	---
2005 07	---	---	---	14.50	---
2005 08	---	---	---	14.44	---
2005 09	---	---	---	14.38	---
2005 10	---	---	---	14.32	---
2005 11	---	---	---	14.26	---
2005 12	---	---	---	14.21	---
2006 01	---	---	---	14.15	---
2006 02	---	---	---	14.09	---
2006 03	---	---	---	14.03	---
2006 04	---	---	---	13.97	---

Well: JICARILLA B - 9A_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
1995 01	---	---	---	---	---
1995 02	---	---	---	---	---
1995 03	---	---	---	---	---
1995 04	---	---	---	---	---
1995 05	---	---	---	---	---
1995 06	---	43.80	---	72.36	1.31
1995 07	0.32	81.32	---	71.01	3.84
1995 08	---	86.97	---	69.71	6.53
1995 09	1.83	74.67	---	68.46	8.77
1995 10	0.48	69.58	---	67.26	10.93
1995 11	0.07	71.83	---	66.11	13.08
1995 12	1.58	81.68	0.06	65.00	15.61
1996 01	---	65.23	---	63.93	17.64
1996 02	---	31.76	---	62.90	18.56
1996 03	---	31.87	---	61.90	19.55
1996 04	---	64.90	---	60.94	21.49
1996 05	0.32	68.45	---	60.01	23.61
1996 06	0.27	45.30	---	59.11	24.97
1996 07	---	5.84	---	58.24	25.15
1996 08	---	79.19	---	57.40	27.61
1996 09	---	---	---	56.58	27.61
1996 10	---	58.90	---	55.79	29.44
1996 11	---	68.73	---	55.02	31.50
1996 12	---	52.13	---	54.28	33.11
1997 01	---	50.52	---	53.56	34.68
1997 02	---	43.14	---	52.86	35.89
1997 03	---	42.26	---	52.17	37.20
1997 04	---	43.60	---	51.51	38.51
1997 05	---	41.19	---	50.87	39.78
1997 06	---	44.60	---	50.24	41.12
1997 07	2.58	41.94	---	49.63	42.42
1997 08	---	48.94	---	49.04	43.94
1997 09	---	55.53	---	48.46	45.60
1997 10	---	46.10	---	47.89	47.03
1997 11	---	57.20	---	47.34	48.75
1997 12	---	46.45	---	46.81	50.19
1998 01	---	43.81	---	46.28	51.55
1998 02	0.39	6.71	---	45.77	51.74
1998 03	---	42.77	---	45.28	53.06
1998 04	2.13	---	---	44.79	53.06
1998 05	---	---	---	44.32	53.06
1998 06	---	---	---	43.85	53.06
1998 07	---	---	---	43.40	53.06
1998 08	---	---	---	42.96	53.06
1998 09	---	---	---	42.52	53.06
1998 10	0.26	71.32	0.26	42.10	55.27
1998 11	1.20	5.93	0.13	41.68	55.45
1998 12	0.35	16.35	0.35	41.28	55.96
1999 01	0.19	18.10	0.03	40.88	56.52
1999 02	0.00	16.11	0.00	40.49	56.97
1999 03	0.00	7.97	0.00	40.11	57.22
1999 04	0.30	50.77	0.03	39.74	58.74
1999 05	0.58	43.68	0.06	39.37	60.09
1999 06	0.03	27.93	---	39.01	60.93
1999 07	0.10	8.32	---	38.66	61.19

Well: JICARILLA B - 9A_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
1999 08	0.13	27.71	---	38.32	62.05
1999 09	0.40	44.83	0.03	37.98	63.39
1999 10	---	20.19	---	37.65	64.02
1999 11	0.17	17.03	0.03	37.33	64.53
1999 12	---	38.87	---	37.01	65.74
2000 01	0.55	46.39	0.06	36.69	67.17
2000 02	0.14	41.00	---	36.39	68.36
2000 03	0.16	39.00	0.03	36.09	69.57
2000 04	---	35.23	---	35.79	70.63
2000 05	0.39	39.42	0.03	35.50	71.85
2000 06	0.13	36.33	---	35.21	72.94
2000 07	0.23	31.84	0.03	34.93	73.93
2000 08	0.23	34.97	0.03	34.66	75.01
2000 09	0.10	30.70	0.00	34.39	75.93
2000 10	0.00	8.61	0.94	34.12	76.20
2000 11	---	---	---	33.86	76.20
2000 12	---	---	---	1.00	76.20
2001 01	---	---	---	0.99	76.20
2001 02	---	---	---	0.98	76.20
2001 03	---	---	---	0.97	76.20
2001 04	---	---	---	0.97	76.20
2001 05	---	---	---	0.96	76.20
2001 06	---	---	---	0.95	76.20
2001 07	---	---	---	0.94	76.20
2001 08	---	---	---	0.94	76.20
2001 09	---	---	---	0.93	76.20
2001 10	---	---	---	0.92	76.20
2001 11	---	---	---	0.92	76.20
2001 12	---	---	---	0.91	76.20
2002 01	---	---	---	0.90	76.20
2002 02	0.00	12.82	0.00	0.90	76.56
2002 03	0.00	33.00	0.00	34.89	77.58
2002 04	0.00	36.45	0.00	34.66	78.67
2002 05	0.06	39.41	0.00	34.44	79.90
2002 06	---	---	---	34.22	---
2002 07	---	---	---	34.00	---
2002 08	---	---	---	33.79	---
2002 09	---	---	---	33.57	---
2002 10	---	---	---	33.36	---
2002 11	---	---	---	33.15	---
2002 12	---	---	---	32.94	---
2003 01	---	---	---	32.74	---
2003 02	---	---	---	32.53	---
2003 03	---	---	---	32.33	---
2003 04	---	---	---	32.13	---
2003 05	---	---	---	31.93	---
2003 06	---	---	---	31.74	---
2003 07	---	---	---	31.54	---
2003 08	---	---	---	31.35	---
2003 09	---	---	---	31.16	---
2003 10	---	---	---	30.97	---
2003 11	---	---	---	30.78	---
2003 12	---	---	---	30.59	---
2004 01	---	---	---	30.41	---

Well: JICARILLA B - 9A_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
1970 01	8.48	145.61	---	223.10	492.99
1970 02	6.64	145.04	---	221.91	497.06
1970 03	8.10	126.84	---	220.73	500.99
1970 04	5.37	127.70	---	219.55	504.82
1970 05	5.97	132.10	---	218.38	508.91
1970 06	8.60	136.77	---	217.22	513.02
1970 07	3.55	74.42	---	216.06	515.32
1970 08	5.32	114.55	---	214.91	518.87
1970 09	3.63	121.43	---	213.77	522.52
1970 10	7.42	114.16	---	212.63	526.06
1970 11	9.97	147.93	---	211.50	530.49
1970 12	6.77	136.81	---	210.37	534.74
1971 01	1.19	60.58	---	209.25	536.61
1971 02	5.32	183.39	---	208.14	541.75
1971 03	4.00	136.48	---	207.03	545.98
1971 04	4.60	145.53	---	205.92	550.35
1971 05	4.90	80.90	---	204.83	552.85
1971 06	8.60	177.43	---	203.74	558.18
1971 07	7.42	148.74	---	202.65	562.79
1971 08	4.29	126.10	---	201.57	566.70
1971 09	6.53	139.70	---	200.50	570.89
1971 10	7.68	141.58	---	199.43	575.28
1971 11	5.43	160.30	---	198.37	580.09
1971 12	5.06	134.84	---	197.31	584.27
1972 01	4.19	157.90	---	196.26	589.16
1972 02	6.66	162.76	---	195.22	593.88
1972 03	5.10	111.61	---	194.18	597.34
1972 04	4.13	118.80	---	193.14	600.90
1972 05	7.58	160.19	---	192.12	605.87
1972 06	7.27	157.47	---	191.09	610.59
1972 07	7.13	12.68	---	190.08	610.99
1972 08	7.19	165.77	---	189.06	616.13
1972 09	6.80	156.90	---	188.06	620.83
1972 10	4.90	152.26	---	187.06	625.55
1972 11	5.03	163.43	---	186.06	630.46
1972 12	6.87	133.39	---	185.07	634.59
1973 01	5.32	136.84	---	184.08	638.83
1973 02	0.00	150.57	---	183.10	643.05
1973 03	0.00	118.94	---	182.13	646.74
1973 04	11.70	116.93	---	181.16	650.24
1973 05	8.45	198.52	---	180.19	656.40
1973 06	5.53	173.73	---	179.23	661.61
1973 07	6.94	148.48	---	178.28	666.21
1973 08	3.55	150.48	---	177.33	670.88
1973 09	6.63	173.37	---	176.39	676.08
1973 10	2.13	128.03	---	175.45	680.05
1973 11	8.53	207.07	---	174.51	686.26
1973 12	6.42	170.32	---	173.58	691.54
1974 01	4.90	169.81	---	172.66	696.80
1974 02	3.93	163.71	---	171.74	701.39
1974 03	0.00	147.03	---	170.82	705.95
1974 04	5.53	165.33	---	169.91	710.91
1974 05	3.68	161.52	---	169.01	715.91
1974 06	5.93	165.17	---	168.11	720.87
1974 07	5.16	169.58	---	167.21	726.13

Well: JICARILLA B - 9A_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
1974 08	5.19	172.00	---	166.32	731.46
1974 09	5.50	172.17	---	165.44	736.62
1974 10	2.94	160.45	---	164.56	741.60
1974 11	4.40	176.87	---	163.68	746.90
1974 12	3.68	161.48	---	162.81	751.91
1975 01	5.06	159.32	---	161.94	756.85
1975 02	1.86	166.96	---	161.08	761.52
1975 03	2.32	93.45	---	160.22	764.42
1975 04	3.30	192.60	---	159.37	770.20
1975 05	4.97	132.32	---	158.52	774.30
1975 06	3.87	175.40	---	157.68	779.56
1975 07	4.26	144.06	---	156.84	784.03
1975 08	4.26	157.00	---	156.00	788.89
1975 09	4.57	159.23	---	155.17	793.67
1975 10	1.19	135.81	---	154.34	797.88
1975 11	2.03	105.83	---	153.52	801.06
1975 12	2.13	188.13	---	152.71	806.89
1976 01	3.52	151.32	---	151.89	811.58
1976 02	3.59	186.41	---	151.08	816.99
1976 03	5.13	152.45	---	150.28	821.71
1976 04	3.03	162.17	---	149.48	826.58
1976 05	3.97	155.61	---	148.68	831.40
1976 06	4.07	152.40	---	147.89	835.97
1976 07	3.16	144.45	---	147.10	840.45
1976 08	0.00	159.35	---	146.32	845.39
1976 09	2.40	130.67	---	145.54	849.31
1976 10	0.97	58.81	---	144.77	851.13
1976 11	0.73	75.37	---	143.99	853.39
1976 12	2.52	138.23	---	143.23	857.68
1977 01	0.26	162.90	---	142.47	862.73
1977 02	4.25	187.71	---	141.71	867.98
1977 03	0.97	114.23	---	140.95	871.53
1977 04	2.03	145.30	---	140.20	875.89
1977 05	1.26	147.74	---	139.45	880.47
1977 06	2.10	157.30	---	138.71	885.18
1977 07	2.68	140.13	---	137.97	889.53
1977 08	2.32	154.29	---	137.24	894.31
1977 09	3.40	140.77	---	136.51	898.53
1977 10	2.39	34.71	---	135.78	899.61
1977 11	4.13	118.23	---	135.06	903.16
1977 12	3.48	80.29	---	134.34	905.65
1978 01	0.77	107.16	---	133.62	908.97
1978 02	3.14	145.93	---	132.91	913.05
1978 03	0.35	114.90	---	132.20	916.62
1978 04	0.37	115.93	---	131.50	920.09
1978 05	2.84	148.16	---	130.80	924.69
1978 06	3.03	151.90	---	130.10	929.24
1978 07	2.77	124.74	---	129.41	933.11
1978 08	3.03	117.81	---	128.72	936.76
1978 09	0.57	130.97	---	128.04	940.69
1978 10	2.03	110.97	---	127.35	944.13
1978 11	0.00	0.00	---	126.68	944.13
1978 12	3.84	143.26	---	126.00	948.57
1979 01	2.03	131.23	---	125.33	952.64

Well: JICARILLA B - 9A_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
1979 02	3.86	165.50	---	124.66	957.28
1979 03	1.32	60.97	---	124.00	959.17
1979 04	1.83	178.17	---	123.34	964.51
1979 05	3.26	130.16	---	122.68	968.55
1979 06	2.20	101.70	---	122.03	971.60
1979 07	4.32	139.00	---	121.38	975.91
1979 08	4.10	108.35	---	120.73	979.26
1979 09	1.10	148.10	---	120.09	983.71
1979 10	2.84	103.26	---	119.45	986.91
1979 11	1.73	146.27	---	118.81	991.30
1979 12	1.68	129.13	---	118.18	995.30
1980 01	3.39	135.77	---	117.55	999.51
1980 02	2.28	115.14	---	116.93	1,002.85
1980 03	2.13	101.77	---	116.30	1,006.00
1980 04	12.77	104.00	---	115.68	1,009.12
1980 05	0.71	60.97	---	115.07	1,011.01
1980 06	0.37	17.33	---	114.46	1,011.53
1980 07	0.45	23.55	---	113.85	1,012.26
1980 08	0.71	34.58	---	113.24	1,013.33
1980 09	2.50	72.13	---	112.64	1,015.50
1980 10	3.74	114.94	---	112.04	1,019.06
1980 11	4.33	152.50	---	111.44	1,023.64
1980 12	2.23	132.35	---	110.85	1,027.74
1981 01	0.00	0.00	---	110.26	1,027.74
1981 02	0.00	136.93	---	109.67	1,031.57
1981 03	0.00	103.23	---	109.09	1,034.77
1981 04	7.73	135.07	---	108.50	1,038.83
1981 05	7.19	112.55	---	107.93	1,042.31
1981 06	0.00	103.10	---	107.35	1,045.41
1981 07	0.00	94.90	---	106.78	1,048.35
1981 08	0.00	86.74	---	106.21	1,051.04
1981 09	7.63	117.43	---	105.65	1,054.56
1981 10	---	60.94	---	105.08	1,056.45
1981 11	---	48.33	---	104.52	1,057.90
1981 12	---	105.26	---	103.97	1,061.16
1982 01	0.00	54.45	---	103.41	1,062.85
1982 02	0.00	72.57	---	102.86	1,064.88
1982 03	0.00	10.58	---	102.32	1,065.21
1982 04	0.00	70.33	---	101.77	1,067.32
1982 05	7.26	86.61	---	101.23	1,070.01
1982 06	0.00	83.23	---	100.69	1,072.50
1982 07	0.00	22.87	---	100.15	1,073.21
1982 08	0.00	71.97	---	99.62	1,075.44
1982 09	0.00	122.80	---	99.09	1,079.13
1982 10	0.00	0.00	---	98.56	1,079.13
1982 11	0.00	104.80	---	98.04	1,082.27
1982 12	7.48	84.52	---	97.51	1,084.89
1983 01	0.00	82.58	---	97.00	1,087.45
1983 02	0.00	52.07	---	96.48	1,088.91
1983 03	0.00	31.29	---	95.97	1,089.88
1983 04	0.00	84.40	---	95.45	1,092.41
1983 05	9.77	66.74	---	94.95	1,094.48
1983 06	0.00	16.00	---	94.44	1,094.96
1983 07	0.00	115.35	---	93.94	1,098.54
1983 08	0.00	91.94	---	93.44	1,101.39

Well: JICARILLA B - 9A_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
1983 09	0.00	100.10	---	92.94	1,104.39
1983 10	0.00	89.45	---	92.44	1,107.16
1983 11	7.77	104.00	---	91.95	1,110.28
1983 12	---	52.58	---	91.46	1,111.91
1984 01	0.00	0.00	---	90.98	1,111.91
1984 02	0.00	100.55	---	90.49	1,114.83
1984 03	9.45	68.16	---	90.01	1,116.94
1984 04	2.00	68.37	---	89.53	1,118.99
1984 05	0.90	65.32	---	89.05	1,121.02
1984 06	0.37	58.57	---	88.58	1,122.77
1984 07	2.61	49.16	---	88.11	1,124.30
1984 08	1.52	66.42	---	87.64	1,126.36
1984 09	1.87	67.27	---	87.17	1,128.37
1984 10	0.97	63.52	---	86.71	1,130.34
1984 11	1.67	87.90	---	86.25	1,132.98
1984 12	1.52	60.06	---	85.79	1,134.84
1985 01	2.06	88.87	---	85.33	1,137.60
1985 02	0.75	59.89	---	84.88	1,139.27
1985 03	2.06	53.87	---	84.42	1,140.94
1985 04	1.40	67.53	---	83.97	1,142.97
1985 05	1.26	59.03	---	83.53	1,144.80
1985 06	2.13	66.40	---	83.08	1,146.79
1985 07	2.39	125.55	---	82.64	1,150.68
1985 08	1.61	105.90	---	82.20	1,153.97
1985 09	2.43	134.80	---	81.76	1,158.01
1985 10	0.71	53.48	---	81.33	1,159.67
1985 11	0.93	62.33	---	80.89	1,161.54
1985 12	1.45	51.03	---	15.29	1,163.12
1986 01	0.19	24.13	---	15.23	1,163.87
1986 02	2.00	69.36	---	15.18	1,165.81
1986 03	0.00	30.55	---	15.12	1,166.76
1986 04	0.87	0.00	---	15.06	1,166.76
1986 05	0.35	4.48	---	15.00	1,166.90
1986 06	0.00	0.00	---	14.95	1,166.90
1986 07	1.19	27.87	---	14.89	1,167.76
1986 08	0.90	17.29	---	14.83	1,168.30
1986 09	0.00	0.00	---	14.78	1,168.30
1986 10	0.00	0.00	---	14.72	1,168.30
1986 11	0.83	43.07	---	14.67	1,169.59
1986 12	1.97	121.71	---	14.61	1,173.36
1987 01	1.23	117.58	0.00	14.55	1,177.01
1987 02	0.29	30.07	0.14	14.50	1,177.85
1987 03	0.45	28.48	0.13	14.44	1,178.73
1987 04	0.57	21.10	0.07	14.39	1,179.37
1987 05	---	0.00	---	14.34	1,179.37
1987 06	---	0.00	---	14.28	1,179.37
1987 07	---	0.00	---	14.23	1,179.37
1987 08	---	0.00	---	14.17	1,179.37
1987 09	---	2.60	---	14.12	1,179.44
1987 10	---	0.00	---	14.07	1,179.44
1987 11	---	2.60	---	14.01	1,179.52
1987 12	---	---	---	13.96	1,179.52
1988 01	0.00	0.03	0.00	13.91	1,179.52
1988 02	0.00	0.00	0.00	13.85	1,179.52

Well: JICARILLA B - 9A_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
1988 03	0.90	30.06	0.13	13.80	1,180.45
1988 04	2.50	126.70	0.53	13.75	1,184.26
1988 05	2.87	104.29	0.61	13.70	1,187.49
1988 06	0.00	37.93	0.00	13.64	1,188.63
1988 07	0.00	0.00	0.00	13.59	1,188.63
1988 08	0.00	0.00	0.00	13.54	1,188.63
1988 09	0.00	2.17	0.00	13.49	1,188.69
1988 10	0.45	36.74	0.13	13.44	1,189.83
1988 11	1.77	68.07	0.20	13.39	1,191.87
1988 12	---	0.87	---	13.34	1,191.90
1989 01	0.00	0.00	---	13.28	1,191.90
1989 02	0.00	0.00	---	13.23	1,191.90
1989 03	0.00	0.84	---	13.18	1,191.93
1989 04	0.77	0.00	---	13.13	1,191.93
1989 05	0.00	0.00	---	13.08	1,191.93
1989 06	0.07	0.00	---	13.03	1,191.93
1989 07	0.65	3.10	---	12.99	1,192.02
1989 08	0.00	1.45	---	12.94	1,192.07
1989 09	0.83	14.67	---	12.89	1,192.51
1989 10	0.00	11.13	---	12.84	1,192.85
1989 11	1.87	43.37	---	12.79	1,194.15
1989 12	1.52	31.55	---	12.74	1,195.13
1990 01	0.00	0.00	---	12.69	1,195.13
1990 02	3.21	47.46	---	12.64	1,196.46
1990 03	1.23	28.13	---	12.60	1,197.33
1990 04	---	0.00	---	12.55	1,197.33
1990 05	---	0.00	---	12.50	1,197.33
1990 06	---	0.00	---	12.45	1,197.33
1990 07	---	0.00	---	12.41	1,197.33
1990 08	---	0.06	---	12.36	1,197.33
1990 09	---	1.23	---	12.31	1,197.37
1990 10	---	1.61	---	12.26	1,197.42
1990 11	---	3.53	---	12.22	1,197.53
1990 12	---	2.90	---	12.17	1,197.62
1991 01	---	3.61	0.00	12.13	1,197.73
1991 02	---	2.64	0.00	12.08	1,197.80
1991 03	---	2.00	0.00	12.03	1,197.86
1991 04	---	0.57	0.00	11.99	1,197.88
1991 05	---	0.81	0.00	11.94	1,197.91
1991 06	---	0.17	0.00	11.90	1,197.91
1991 07	---	0.00	0.00	11.85	1,197.91
1991 08	---	0.00	0.00	11.81	1,197.91
1991 09	---	0.00	0.00	11.76	1,197.91
1991 10	---	0.45	0.00	11.72	1,197.93
1991 11	---	2.20	0.00	11.67	1,197.99
1991 12	---	0.13	0.23	11.63	1,198.00
1992 01	---	3.71	---	11.58	1,198.11
1992 02	---	5.93	---	11.54	1,198.28
1992 03	---	1.23	---	11.50	1,198.32
1992 04	---	5.10	---	11.45	1,198.47
1992 05	---	4.77	---	11.41	1,198.62
1992 06	---	6.77	---	11.37	1,198.82
1992 07	---	5.58	---	11.32	1,199.00
1992 08	---	5.35	---	11.28	1,199.16
1992 09	---	4.80	---	11.24	1,199.31

Well: JICARILLA B - 9A_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
1992 10	---	1.97	---	11.19	1,199.37
1992 11	---	3.23	---	11.15	1,199.47
1992 12	---	5.16	---	11.11	1,199.63
1993 01	0.00	5.94	---	11.07	1,199.81
1993 02	0.00	7.36	---	11.03	1,200.02
1993 03	0.00	5.29	---	10.98	1,200.18
1993 04	0.00	5.37	---	10.94	1,200.34
1993 05	0.00	11.68	---	10.90	1,200.70
1993 06	0.00	4.00	---	10.86	1,200.82
1993 07	0.00	9.23	---	10.82	1,201.11
1993 08	0.00	0.00	---	10.78	1,201.11
1993 09	0.00	8.70	---	10.74	1,201.37
1993 10	0.00	8.48	---	10.70	1,201.63
1993 11	0.40	10.47	---	10.65	1,201.95
1993 12	---	9.48	---	10.61	1,202.24
1994 01	0.00	1.13	---	10.57	1,202.28
1994 02	0.00	10.25	---	10.53	1,202.56
1994 03	0.00	9.74	---	10.49	1,202.86
1994 04	0.00	6.47	---	10.45	1,203.06
1994 05	0.00	4.74	---	10.41	1,203.21
1994 06	0.00	4.27	---	10.37	1,203.33
1994 07	0.00	2.74	---	10.34	1,203.42
1994 08	0.00	1.74	---	10.30	1,203.47
1994 09	1.77	24.13	---	10.26	1,204.20
1994 10	5.74	63.13	---	10.22	1,206.15
1994 11	3.97	85.67	---	10.18	1,208.72
1994 12	4.52	90.29	---	10.14	1,211.52
1995 01	4.32	102.29	---	10.10	1,214.69
1995 02	3.29	94.04	---	10.06	1,217.33
1995 03	3.35	117.81	---	10.03	1,220.98
1995 04	3.47	215.03	---	9.99	1,227.43
1995 05	2.74	112.58	---	9.95	1,230.92
1995 06	1.10	40.70	---	9.91	1,232.14
1995 07	0.00	0.42	---	9.87	1,232.15
1995 08	1.26	75.39	---	9.84	1,234.49
1995 09	3.53	118.97	---	9.80	1,238.06
1995 10	2.45	107.84	---	9.76	1,241.40
1995 11	---	110.00	---	9.72	1,244.70
1995 12	---	91.48	---	9.69	1,247.54
1996 01	1.29	109.06	1.00	9.65	1,250.92
1996 02	1.97	64.07	1.00	9.61	1,252.78
1996 03	0.00	0.00	---	9.58	1,252.78
1996 04	0.00	0.00	---	9.54	1,252.78
1996 05	0.00	26.97	---	9.51	1,253.61
1996 06	0.00	21.97	---	9.47	1,254.27
1996 07	0.03	4.84	---	9.43	1,254.42
1996 08	---	17.74	---	9.40	1,254.97
1996 09	---	5.13	---	9.36	1,255.13
1996 10	---	0.19	---	9.33	1,255.13
1996 11	---	1.50	---	9.29	1,255.18
1996 12	---	---	---	9.26	1,255.18
1997 01	---	0.00	---	9.22	1,255.18
1997 02	---	3.75	---	9.19	1,255.28
1997 03	---	0.00	---	9.15	1,255.28

Well: JICARILLA B - 9A_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
1997 04	---	0.00	---	9.12	1,255.28
1997 05	---	0.00	---	9.08	1,255.28
1997 06	---	0.00	---	9.05	1,255.28
1997 07	---	0.03	---	9.01	1,255.28
1997 08	---	---	---	8.98	1,255.28
1997 09	---	---	---	8.94	1,255.28
1997 10	---	---	---	8.91	1,255.28
1997 11	---	---	---	8.88	1,255.28
1997 12	---	---	---	8.84	1,255.28
1998 01	---	---	---	8.81	1,255.28
1998 02	---	---	---	8.78	1,255.28
1998 03	---	---	---	8.74	1,255.28
1998 04	---	---	---	8.71	1,255.28
1998 05	---	---	---	8.68	1,255.28
1998 06	---	---	---	8.64	1,255.28
1998 07	---	---	---	8.61	1,255.28
1998 08	---	---	---	8.58	1,255.28
1998 09	---	---	---	8.54	1,255.28
1998 10	---	---	---	8.51	1,255.28
1998 11	0.00	11.27	0.00	76.19	1,255.62
1998 12	0.00	31.10	0.00	75.84	1,256.59
1999 01	1.61	34.35	0.00	75.50	1,257.65
1999 02	0.11	30.57	0.00	75.15	1,258.51
1999 03	0.00	15.16	0.00	74.81	1,258.98
1999 04	2.73	96.33	---	74.47	1,261.87
1999 05	5.10	82.90	---	74.14	1,264.44
1999 06	0.30	53.00	---	73.80	1,266.03
1999 07	1.00	15.87	---	73.47	1,266.52
1999 08	1.10	52.61	---	73.13	1,268.15
1999 09	3.47	85.10	---	72.80	1,270.70
1999 10	---	38.39	---	72.47	1,271.89
1999 11	1.40	32.37	---	72.14	1,272.86
1999 12	0.10	73.77	---	71.81	1,275.15
2000 01	---	88.00	---	71.49	1,277.88
2000 02	---	77.83	---	71.16	1,280.14
2000 03	---	74.00	---	70.84	1,282.43
2000 04	---	66.83	---	70.52	1,284.43
2000 05	---	74.77	---	70.20	1,286.75
2000 06	---	68.93	---	69.88	1,288.82
2000 07	---	60.42	---	69.56	1,290.69
2000 08	2.03	66.35	0.00	1.00	1,292.75
2000 09	1.20	67.33	0.00	0.99	1,294.77
2000 10	0.03	16.32	0.00	0.99	1,295.28
2000 11	---	---	---	0.98	1,295.28
2000 12	---	---	---	0.98	1,295.28
2001 01	---	---	---	0.98	1,295.28
2001 02	---	---	---	0.97	1,295.28
2001 03	---	---	---	0.97	1,295.28
2001 04	---	---	---	0.96	1,295.28
2001 05	---	---	---	0.96	1,295.28
2001 06	---	---	---	0.95	1,295.28
2001 07	---	---	---	0.95	1,295.28
2001 08	---	---	---	0.94	1,295.28
2001 09	---	---	---	0.94	1,295.28
2001 10	---	---	---	0.94	1,295.28

Well: JICARILLA B - 9A_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
2001 11	---	---	---	0.93	1,295.28
2001 12	---	---	---	0.93	1,295.28
2002 01	---	---	---	0.92	1,295.28
2002 02	0.00	24.34	0.00	0.92	1,295.96
2002 03	0.00	62.64	0.00	69.85	1,297.90
2002 04	0.00	69.21	0.00	69.55	1,299.98
2002 05	0.58	74.82	0.00	69.26	1,302.30
2002 06	---	---	---	68.96	---
2002 07	---	---	---	68.67	---
2002 08	---	---	---	68.37	---
2002 09	---	---	---	68.08	---
2002 10	---	---	---	67.79	---
2002 11	---	---	---	67.50	---
2002 12	---	---	---	67.21	---
2003 01	---	---	---	66.93	---
2003 02	---	---	---	66.64	---
2003 03	---	---	---	66.36	---
2003 04	---	---	---	66.08	---
2003 05	---	---	---	65.79	---
2003 06	---	---	---	65.51	---
2003 07	---	---	---	65.23	---
2003 08	---	---	---	64.95	---
2003 09	---	---	---	64.68	---
2003 10	---	---	---	64.40	---
2003 11	---	---	---	64.13	---
2003 12	---	---	---	63.85	---
2004 01	---	---	---	63.58	---
2004 02	---	---	---	63.31	---
2004 03	---	---	---	63.04	---
2004 04	---	---	---	62.77	---
2004 05	---	---	---	62.50	---
2004 06	---	---	---	62.24	---
2004 07	---	---	---	61.97	---
2004 08	---	---	---	61.71	---
2004 09	---	---	---	61.44	---
2004 10	---	---	---	61.18	---
2004 11	---	---	---	60.92	---
2004 12	---	---	---	60.66	---
2005 01	---	---	---	60.40	---
2005 02	---	---	---	60.14	---
2005 03	---	---	---	59.89	---
2005 04	---	---	---	59.63	---
2005 05	---	---	---	59.38	---
2005 06	---	---	---	59.13	---
2005 07	---	---	---	58.87	---
2005 08	---	---	---	58.62	---
2005 09	---	---	---	58.37	---
2005 10	---	---	---	58.12	---
2005 11	---	---	---	57.87	---
2005 12	---	---	---	57.63	---
2006 01	---	---	---	57.38	---
2006 02	---	---	---	57.14	---
2006 03	---	---	---	56.89	---
2006 04	---	---	---	56.65	---

**CONOCO INC.
JICARILLA "B" 9A SURFACE COMMINGLE**

EXHIBIT C
Gas Analysis Reports (w/BTU content)

ZONE - LIKELY PL
ONLY DK & PL COMPLETED IN '89.

SUNTERRA GAS GATHERING COMPANY
REPORT OF BTU TEST RESULTS

TO: SOUTHERN UNION EXPLORATION CO.

REF: JICARILLA B #5 (B 9A)
9149

DATE OF THIS TEST: 09-07-89

RESULTS: SPECIFIC GRAVITY: .726
BTU/CF @ 14.73/60F/DRY: 1248

SX-PRODUCTION OCT 10 1989

cc Engr
acct

GAS COMPANY OF NEW MEXICO
REPORT OF BTU TEST RESULTS

TO: SOUTHERN UNION EXPLORATION CO (829)

REF: JICARILLA B 5 (89A)
7071
NORTHWEST NEW MEXICO (70)

DATE OF THIS TEST: 8/29/88
DATE OF LAST TEST: 12/11/86
TEST FREQUENCY: NOT SPECIFIED

RESULTS: SPECIFIC GRAVITY: 0.7584
BTU/CF @ 14.73/60F/DRY: 1297.7

	MOL %	G. P. M.
CARBON DIOXIDE	0.737	0.0000
NITROGEN	0.919	0.0000
METHANE	74.200	0.0000
ETHANE	14.090	3.7740
PROPANE	6.654	1.8360
ISOBUTANE	0.794	0.2600
N-BUTANE	1.394	0.4400
ISOPENTANE	0.437	0.1600
N-PENTANE	0.383	0.1380
HEXANE +	0.418	0.1710
	-----	-----
TOTAL	100.026	6.7790

cc Engr
acct

ZONE - LIKELY OK.
ONLY OK & PC COMPLETED
IN '85.

GAS COMPANY OF NEW MEXICO
REPORT OF BTU TEST RESULTS

TO: SOUTHERN UNION EXPLORATION CO (829)

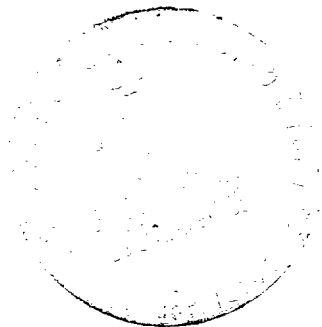
REF: JICARILLA B (B 9A) 5 *Jicarilla*
7071
NORTHWEST NEW MEXICO (70)

DATE OF THIS TEST: 5/29/85
DATE OF LAST TEST: 3/20/84
TEST FREQUENCY: NOT SPECIFIED

RESULTS: SPECIFIC GRAVITY: 0.7627
BTU/CF @ 14.73/60F/DRY: 1309.9

	MOL %	G. P. M.
CARBON DIOXIDE	0.712	0.0000
NITROGEN	0.613	0.0000
METHANE	74.330	0.0000
ETHANE	13.930	3.7310
PROPANE	6.470	1.7850
ISOBUTANE	0.844	0.2760
N-BUTANE	1.795	0.5660
ISOPENTANE	0.474	0.1730
N-PENTANE	0.388	0.1400
HEXANE +	0.455	0.1860

TOTAL	100.011	6.8570



cc: SR, MKTG, Res Eng

7/9/85

John
STB

GAS COMPANY OF NEW MEXICO
REPORT OF BTU TEST RESULTS

TO: SOUTHERN UNION EXPLORATION CO (82)

REF:

JICARILLA B
7071

5

NORTHWEST NEW MEXICO

(7

DATE OF THIS TEST: 3/20/84
DATE OF LAST TEST: 12/07/82
TEST FREQUENCY: NOT SPECIFIED

RESULTS: SPECIFIC GRAVITY: 0.7436
BTU/CF @ 14.73/60F/DRY: 1286.2

	MDL %	G. P. M.
CARBON DIOXIDE	0.691	0.0000
NITROGEN	0.533	0.0000
METHANE	75.720	0.0000
ETHANE	13.540	3.6250
PROPANE	6.237	1.7190
ISOBUTANE	0.737	0.2410
N-BUTANE	1.586	0.5000
ISOPENTANE	0.371	0.1350
N-PENTANE	0.309	0.1120
HEXANE +	0.285	0.1250
	-----	-----
TOTAL	100.009	6.4570

CC: SR, MKTG, RT, NTS, MD

4/24/84

Flw
Shts

ZONE-LIKELY DK
ONLY DK & PL COMPLETED IN '82

SOUTHERN UNION GAS COMPANY
REPORT OF BTU TEST RESULTS

TO: SOUTHERN UNION EXPLORATION CO (829)

REF: JICARILLA B 5 (B 9A)
7071
NORTHWEST NEW MEXICO (70)

DATE OF THIS TEST: 12/07/82
DATE OF LAST TEST: 9/03/81
TEST FREQUENCY: 12

RESULTS: SPECIFIC GRAVITY: 0.7388
BTU/CF @ 14.73/60F/DRY: 1277.9

	MOL %	G. P. M.
CARBON DIOXIDE	0.758	0.0000
NITROGEN	0.484	0.0000
METHANE	75.950	0.0000
ETHANE	13.540	3.6250
PROPANE	6.261	1.7250
ISOBUTANE	0.725	0.2370
N-BUTANE	1.558	0.4910
ISOPENTANE	0.309	0.1130
N-PENTANE	0.238	0.0860
HEXANE +	0.199	0.0870
	-----	-----
TOTAL	100.022	6.3640

1115 Farmington Avenue
Farmington, N.M. 87401
(505) 325-6622

Analysis No. MRT50006
Cust. No. 32150-10045



WELL/LEASE INFORMATION

Company	: MERIT ENERGY COMPANY	Source	: METER RUN
Well Name	: JICARILLA B 5 WELL & CHANGED	Pressure	: 134 PSIG
County	: RIO ARriba	Sample Temp.	: N/A DEG. F
State	: NM	Well Flowing	: YES
Location	: 26-26N-04W	Date Sampled	: 06/28/95
Fld/Formation	: <u>MESAVERDE</u>	Sampled By	: BOB DURBIN
Cust.Stn.No.	:	Foreman/Engr	:

Remarks:

NOTE: STILL CLEANING-UP
AFTER FRAC (SEE P.2)

ANALYSIS

COMPONENT	MOLE %	GPM**	B.T.U.*	SP.GR.*
NITROGEN	7.693	0.0000	0.00	0.0744
CO2	0.395	0.0000	0.00	0.0059
METHANE	75.526	0.0000	764.55	0.4183
ETHANE	9.492	2.5391	168.36	0.0985
PROPANE	4.107	1.1319	103.57	0.0625
I-BUTANE	0.631	0.2064	20.57	0.0127
N-BUTANE	0.963	0.3036	31.49	0.0193
I-PENTANE	0.412	0.1508	16.52	0.0103
N-PENTANE	0.296	0.1072	11.89	0.0074
HEXANES	0.495	0.2159	25.45	0.0159
TOTAL	100.000	4.6549	1142.40	0.7251

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

** @ 14.730 & 60 DEG. F

COMPRESSIBILITY FACTOR	(1/Z)	1.0031
BTU/CU.FT. (DRY) CORRECTED FOR	(1/Z)	1145.9
BTU/CU.FT. (WET) CORRECTED FOR	(1/Z)	1126.0
REAL SPECIFIC GRAVITY		0.7270

ANALYSIS RUN AT 14.730 PSIA & 60 DEGREES F

CYLINDER #	: 008
CYLINDER PRESSURE	: 119 PSIG
DATE RUN	: 06/28/95
ANALYSIS RUN BY	: CHELLE DURBIN



MERIT ENERGY COMPANY
WELL ANALYSIS COMPARISON

LEASE : JICARILLA B 5 (9A)
STN.NO. :

MESAVERDE

06/29/1995
52150-10045

DATE 06/28/95 06/23/95 06/20/95
RUN NR. MRT50006 MRT50005 MRT50004

NITROGEN 7.693 12.561 25.408
CO2 0.385 0.374 0.296
METHANE 75.526 71.384 61.384
ETHANE 9.492 8.972 7.485
PROPANE 4.107 3.958 3.286
I-BUTANE 0.631 0.673 0.559
N-BUTANE 0.963 1.033 0.839
I-PENTANE 0.412 0.345 0.281
N-PENTANE 0.296 0.242 0.198
HEXANES 0.495 0.458 0.264

FILE COPY

BTU 1145.9 1087.5 917.6
GPM 4.6549 4.4503 3.6448
SP.GRAV. 0.7270 0.7413 0.7676

6/28/95 6/23/95 6/20/95

← CLEANING-UP AFTER FRAC

MOBILE ANALYTICAL LABORATORIES, INC.
P. O. BOX 69210
ODESSA, TEXAS 79769-9210
PHONE 915-337-4744 FAX 915-337-8781

ANALYSIS REPORT

COMPANY	BENHAM CONSULTING	LAB NUMBER	7426
LEASE	JICARILLA A #1 P.C.	DATE SAMPLED	04/12/01
STATION	066-10-212	DATE RUN	04/19/01
OPERATOR	CONOCO SAN JUAN	PRESS. PSIA	57.5
EFFECTIVE ...	05/01/01	TEMP. DEG. F	53
		SAMPLE	SPOT

COMPONENT	MOL %	GPM
NITROGEN	0.318	0.000
CARBON DIOXIDE	0.422	0.000
METHANE	83.339	0.000
ETHANE	7.038	1.881
PROPANE	4.555	1.254
ISO-BUTANE	1.021	0.334
N-BUTANE	1.422	0.448
ISO-PENTANE	0.554	0.203
N-PENTANE	0.408	0.148
HEXANES PLUS	0.923	0.403
TOTALS	100.000	4.671

ANALYSIS CALCULATED AT 14.73 PSIA & 60 DEG. F

GROSS DRY BTU/CU.FT. 1253.72

GROSS WET BTU/CU.FT. 1231.90

CALC. REAL SP.GR. 0.7183

C5+ GPM 0.754

WATER CONTENT LBS/MMSCF ...

H2S PPM

DISTRIBUTION:

NOTES:

STAN BENHAM

MOBILE ANALYTICAL LABORATORIES, INC.
P. O. BOX 69210
ODESSA, TEXAS 79769-9210
PHONE 915-337-4744 FAX 915-337-8781

ANALYSIS REPORT

COMPANY BENHAM CONSULTING
LEASE JICARILLA A 10 PC
STATION 066-10-215
OPERATOR CONOCO SAN JUAN
EFFECTIVE 04/01/02
CYLINDER 085

LAB NUMBER 1312
DATE SAMPLED 03/11/02
DATE RUN 03/15/02
PRESS. PSIA 28.2
TEMP. DEG. F 47
SAMPLE SPOT

COMPONENT	MOL %	GPM
NITROGEN	0.304	0.000
CARBON DIOXIDE	0.431	0.000
METHANE	82.650	0.000
ETHANE	7.172	1.917
PROPANE	4.811	1.325
ISO-BUTANE	1.095	0.358
N-BUTANE	1.524	0.480
ISO-PENTANE	0.575	0.210
N-PENTANE	0.419	0.152
HEXANES PLUS	1.019	0.445
TOTALS	100.000	4.887

ANALYSIS CALCULATED AT 14.73 PSIA & 60 DEG. F

GROSS DRY BTU/CU.FT. 1268
GROSS WET BTU/CU.FT. 1246
CALC. REAL SP.GR. 0.7273
C5+ GPM 0.807
WATER CONTENT LBS/MMSCF
H2S PPM

DISTRIBUTION:
STAN BENHAM

NOTES:

APR 27 31-039-20117

MOBILE ANALYTICAL LABORATORIES, INC.
P. O. BOX 69210
ODESSA, TEXAS 79769-9210
PHONE 915-337-4744 FAX 915-337-8781

ANALYSIS REPORT

COMPANY	BENHAM CONSULTING	LAB NUMBER	7190
LEASE	JICARILLA A 10 MV	DATE SAMPLED	01/12/01
STATION	066-10-216	DATE RUN	01/15/01
OPERATOR	CONOCO SAN JUAN	PRESS. PSIA	47.0
EFFECTIVE	02/01/01	TEMP. DEG. F	45
		SAMPLE	SPOT

COMPONENT	MOL %	GPM
NITROGEN	0.245	0.000
CARBON DIOXIDE	0.679	0.000
METHANE	79.347	0.000
ETHANE	11.301	3.021
PROPANE	4.176	1.150
ISO-BUTANE	0.991	0.324
N-BUTANE	1.464	0.462
ISO-PENTANE	0.598	0.219
N-PENTANE	0.385	0.139
HEXANES PLUS	0.814	0.355
TOTALS	100.000	5.670

ANALYSIS CALCULATED AT 14.73 PSIA & 60 DEG. F
GROSS DRY BTU/CU.FT. 1275.30
GROSS WET BTU/CU.FT. 1253.10
CALC. REAL SP.GR. 0.7353
C5+ GPM 0.713
WATER CONTENT LBS/MMSCF ...
H2S PPM

DISTRIBUTION: NOTES:
STAN BENHAM

DATE

1-24-80

PRODUCT DESCRIPTION

Supson A-10 (DAK) Jicarilla A #10

7120-30 784

POR PRESSURE	GRAVITY 1.752 (SP.GR.) (API)	CORROSION TEST (COPPER STRIP)
WYNESS TEST-PROPANE	RESIDUE TEST-LPG	WEATHERING TEST-LPG °F @ 95% BP
AD ACETATE TEST	BTU 1302 /ft. ³ (DRY)	DOCTOR TEST
DROGEN SULFIDE gr/100 ft. ³	MERCAPTANS gr/100 ft. ³	GRADE

CHROMATOGRAPHIC ANALYSIS				COMMENTS	DISTILLATION	
	MOLE %	G.P.M.	LIQUID VOLUME %		%	TEMPERATURE
CARBON DIOXIDE	.57				IBP	
ARGON	.60				5	
ETHANE	74.49				10	
PROPANE	14.03	3.792			20	
ISOPANE	6.61	1.814			30	
ISOBUTANE	.96	.281			40	
ISOPENTANE	2.03	.638			50	
HEXANE	.90	.146			60	
HEPTANE	.29	.105			70	
HEXANE +	.10	.041			80	
C ₇ +	.02	.009			90	
					E.P.	
TOTAL	100	6.776			LOSS	RESIDUE

TESTED BY

M. THUL

FKS AND ADDITIONS

30-039-2573

MOBILE ANALYTICAL LABORATORIES, INC.
P. O. BOX 69210
ODESSA, TEXAS 79769-9210
PHONE 915-337-4744 FAX 915-337-8781

ANALYSIS REPORT

COMPANY BENHAM CONSULTING	LAB NUMBER 1311
LEASE JICARILLA A 8 M CMMGD MV/DK	DATE SAMPLED 03/11/02
STATION 066-10-211	DATE RUN 03/15/02
OPERATOR CONOCO SAN JUAN	PRESS. PSIA 29.3
EFFECTIVE ... 04/01/02	TEMP. DEG. F 54
CYLINDER 185	SAMPLE SPOT

COMPONENT	MOL %	GPM
NITROGEN	0.352	0.000
CARBON DIOXIDE	0.686	0.000
METHANE	77.198	0.000
ETHANE	11.960	3.197
PROPANE	5.472	1.507
ISO-BUTANE	0.867	0.284
N-BUTANE	1.530	0.482
ISO-PENTANE	0.522	0.191
N-PENTANE	0.431	0.156
HEXANES PLUS	0.982	0.428
TOTALS	100.000	6.245

ANALYSIS CALCULATED AT 14.73 PSIA & 60 DEG. F

GROSS DRY BTU/CU.FT. 1304
GROSS WET BTU/CU.FT. 1281
CALC. REAL SP.GR. 0.7549
C5+ GPM 0.775
WATER CONTENT LBS/MMSCF ...
H2S PPM

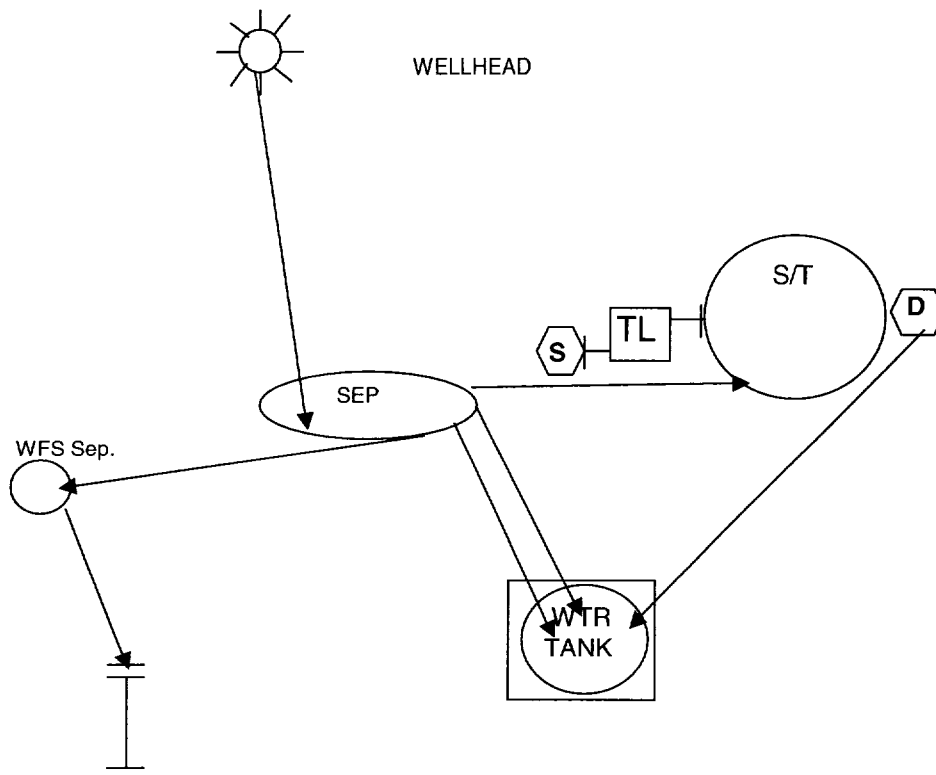
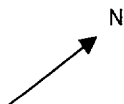
DISTRIBUTION:
STAN BENHAM

NOTES:

**CONOCO INC.
JICARILLA "B" 9A SURFACE COMMINGLE**

EXHIBIT D
Facility Schematic

Site Security
(Indicate North)



Lease Name: Jicarilla B 9A
 Federal/ Indian Lease No: 121
 CA No.: _____
 Unit : D
 Legal Description: SEC 26 26N 04W
 County: SAN JUAN, NM

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: **Jicarilla B 9A** Operator: **CONOCO INC.** Date: **10/24/2000**

Earthen pits:	#	Type: (vent, sep, H2O etc)		Size:		Oil Stained		Yes	No
Steel pits:	1	Type: (vent, sep, H2O etc)		Size:					
		Vent/h20		80bbl					
Storage Tanks:	1	Water/Oil	Bbls.	Ht.	Dia.	Color:			
		Oil	500	15'	16'	Grey			
		Avg. volume stored:		Annual thruput:		Sep Psi.			
		180		600bbls		Upstream: 150			
Natural Gas Fired Vessels: (Htr/trt, Sep, Glycol Reb.)	1	Water/Oil	Bbls.	Ht.	Dia.	Color:			
		Avg. volume stored:		Annual thruput:		Sep Psi.			
						Upstream:			
						Vessel Size (btu/hr)			
Glycol Dehy's		Glycol flowrate (gpm)		Design	Actual				
		Natural gas rate (mmcf/d):		Design	Glycol type (TEG, DEG, EG, Other)				
Compressor		Engine description (include LxWxH)							
		Ht of Ex Stack above Equip:				Comp Mfr:			
SPCC		Max RPM's run on sustained basis:							
		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 visible?							
H2S		Other							
		PPM							
Remarks:									

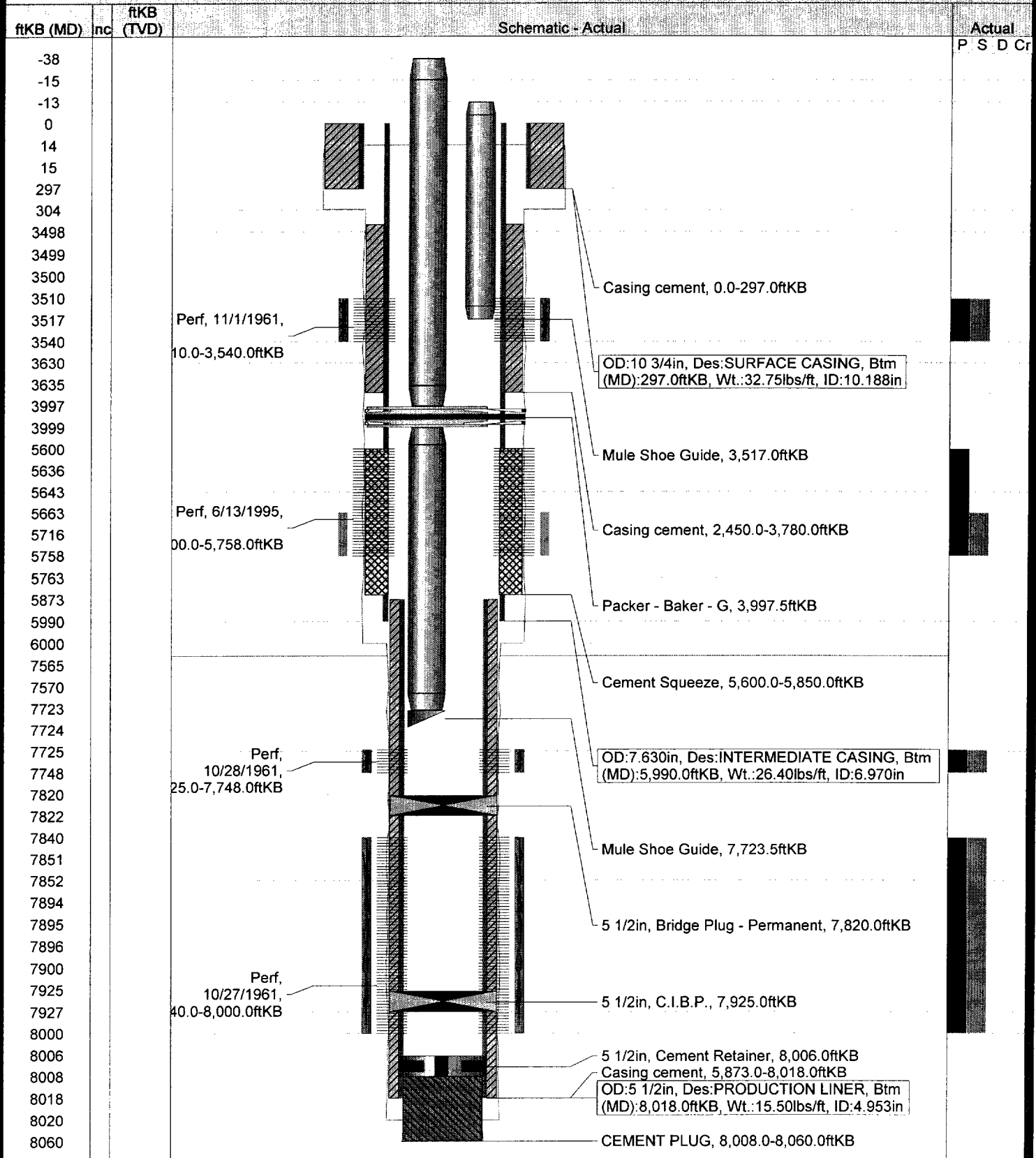
**CONOCO INC.
JICARILLA "B" 9A SURFACE COMMINGLE**

EXHIBIT E
Wellbore Diagram and Well Summary

Current Schematic

API	300390632700	Field Name	Area	Operator	County	State/Province
		TAPACITO POWWLDHORSE DK/BLANCO MV	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	
6900.00	6886.00	0.00	14.00	6900.00	8/30/1961	

Main Hole: 2/1/2002



Well Summary

API	300390632700	Field Name	TAPACITO POWWLDHORSE DKBLANCO MV	Area	SOUTH	Operator		County	RIO ARRIBA	State/Province	NEW MEXICO
KB Elev (ft)	6900.00	Ground Elev (ft)	6886.00	Casing Flange Elev (ft)	0.00	KB-Ground Distance (ft)	14.00	KB-Casing Flange Distance (ft)	6900.00	Spud Date	8/30/1961

Location

East-West Distance (ft)	1055.0	From E or W Line	W	North-South Distance (ft)	1130.0	From N or S Line	N
Latitude (DMS)	36° 27' 41.94" N	Longitude (DMS)	107° 13' 35.4" W	Legal Survey Type	Dwight's	Surface Legal Location	NMPM-26N-4W-26-D

Wellbore

Name	Main Hole	Profile Type		VS Dir (°)	
Sz (in)	Top (ftKB)	Btm (ftKB)	Start	End	
15	14.0	304.0		8/30/1961	
9 7/8	304.0	6,000.0		9/24/1961	
6 3/4	6,000.0	8,020.0		10/5/1961	
4 3/4	8,020.0	8,060.0		10/25/1961	

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

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

Casing Strings

Des	Run	Btm (ftKB)	Com
SURFACE CASING	8/31/1961	297.0	
INTERMEDIATE CASING	9/26/1961	5,990.0	
PRODUCTION LINER	10/7/1961	8,018.0	
PRODUCTION LINER	10/31/1961	7,570.0	

Perforations

Date	Top (ftKB)	Btm (ftKB)	Shot Dens (shots/ft)
11/1/1961	3,510.0	3,540.0	1.2
6/13/1995	5,600.0	5,758.0	0.3
10/28/1961	7,725.0	7,748.0	1.2
10/27/1961	7,840.0	8,000.0	1.2

Tubing Strings

Des	Run	Pulled	Btm (ftKB)
Untitled	7/11/1995	4/14/1998 11:01:00 AM	7,900.0

Rods

Des	Run	Pulled	Btm (ftKB)

Other In Hole

Des	Run	Pull	Top (ftKB)	OD (in)	ID (in)
Cement Retainer	10/26/1961		8,006.0	5 1/2	
C.I.B.P.	4/3/1998		7,925.0	5 1/2	
Bridge Plug - Permanent	1/30/2002		7,820.0	5 1/2	

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

Well Summary

API 300390632700	Field Name TAPACITO POWILDHORSE DK/BLANCO MV	Area SOUTH	Operator	County RIO ARRIBA	State/Province NEW MEXICO
KB Elev (ft) 6900.00	Ground Elev (ft) 6886.00	Casing Flange Elev (ft) 0.00	KB-Ground Distance (ft) 14.00	KB-Casing Flange Distance (ft) 6900.00	Spud Date 8/30/1961

Location

East-West Distance (ft) 1055.0	From E or W Line W	North-South Distance (ft) 1130.0	From N or S Line N
Latitude (DMS) 36° 27' 41.94" N	Longitude (DMS) 107° 13' 35.4" W		
Legal Survey Type Dwight's	Surface Legal Location NMPM-26N-4W-26-D		

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

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 (DK), (MV), (PC)	7/11/1995	4/14/1998 11:01:00 AM	7,570.0

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

Well Summary

API 300390632700	Field Name TAPACITO PCWILDHORSE DK/BLANCO MV	Area SOUTH	Operator	County RIO ARRIBA	State/Province NEW MEXICO
KB Elev (ft) 6900.00	Ground Elev (ft) 6886.00	Casing Flange Elev (ft) 0.00	KB-Ground Distance (ft) 14.00	KB-Casing Flange Distance (ft) 6900.00	Spud Date 8/30/1961

Location

East-West Distance (ft) 1055.0	From E or W Line W	North-South Distance (ft) 1130.0	From N or S Line N
Latitude (DMS) 36° 27' 41.94" N	Longitude (DMS) 107° 13' 35.4" W		
Legal Survey Type Dwight's	Surface Legal Location NMMPM-26N-4W-26-D		

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)
Untitled	7/11/1995	4/14/1998 11:01:00 AM	5,716.0
Tubing (DK), (MV), (PC)	4/4/1998	8/4/1998	7,852.0

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

JICARILLA B 9A

Well Summary

API	300390632700	Field Name	TAPACITO PO/WILDHORSE DK/BLANCO MV	Area	SOUTH	Operator		County	RIO ARRIBA	State/Province	NEW MEXICO
KB Elev (ft)	6900.00	Ground Elev (ft)	6886.00	Casing Flange Elev (ft)	0.00	KB-Ground Distance (ft)	14.00	KB-Casing Flange Distance (ft)	6900.00	Spud Date	8/30/1961

Location

East-West Distance (ft)	1055.0	From E or W Line	W	North-South Distance (ft)	1130.0	From N or S Line	N
Latitude (DMS)	36° 27' 41.94" N			Longitude (DMS)	107° 13' 35.4" W		
Legal Survey Type	Dwight's			Surface Legal Location	NMPM-26N-4W-26-D		

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)
short string	8/4/1998	12/26/2001	3,500.0
long string	8/4/1998	12/27/2001	7,896.0
Tubing - Production 2 3/3" LS	1/31/2002		7,724.0

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

Well Summary

API	300390632700	Field Name	TAPACHO POWWILHORSE OKIBLANCO MV	Area	SOUTH	Operator		County	RIO ARRIBA	State/Province	NEW MEXICO
KB Elev (ft)	6900.00	Ground Elev (ft)	6886.00	Casing Flange Elev (ft)	0.00	KB-Ground Distance (ft)	14.00	KB-Casing Flange Distance (ft)	6900.00	Spud Date	8/30/1961

Location

East-West Distance (ft)	From E or W Line	North-South Distance (ft)	From N or S Line
1055.0	W	1130.0	N
Latitude (DMS)	Longitude (DMS)		
36° 27' 41.94" N	107° 13' 35.4" W		
Legal Survey Type	Surface Legal Location		
Dwight's	NMMP-26N-4W-26-D		

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)

Casing Strings

Des	Run	Btm (ftKB)	Com

Tubing Strings

Des	Run	Pulled	Btm (ftKB)
Tubing - Secondary Production	2/1/2002		3,517.0

Rods

Des	Run	Pulled	Btm (ftKB)

Other In Hole

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

Pumping Unit

Type	Make	Model	Serial Number
Installation Date	Maximum Rod Load (100lbf)	Current Stroke Length (in)	Maximum Stroke Length (in)
Gear Box Description	Gear Box SN	Gear Box Ratio	Max In Torq (1000in-lbs)
			Last Overhaul Date

Wellbore

Zones

Perforations

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

Logs

Date	Type	Incr (ftKB)	Hole

CONOCO INC.
JICARILLA "B" 9A SURFACE COMMINGLE

EXHIBIT F

Administrative order DHC-1785
Allocation percentages for all zones surface commingled



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-1785

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

Attention: Ms. Kay Maddox

RECEIVED
FEB 27 1998

OIL CON. DIV.
DIST. 3

*Jicarilla "B" Well No. 9A
API No. 30-039-06327
Unit D, Section 26, Township 26 North, Range 4 West, NMPM,
Rio Arriba County, New Mexico.
Blanco-Mesaverde (Prorated Gas - 72319),
Tapacito-Pictured Cliffs (Prorated Gas - 85920) and
Wildhorse-Dakota (Oil-64300) Pools*

Dear Ms. Maddox:

Reference is made to your recent application for an exception to Rule 303.A. of the Division Rules and Regulations to permit the above described well to commingle production from the subject 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 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 well and allocation of production from the well shall be on the following basis:

Tapacito-Pictured Cliffs Gas Pool	Gas 16%	Oil 0%
Blanco-Mesaverde Gas Pool	Gas 29%	Oil 10%
Wildhorse-Dakota Pool	Gas 55%	Oil 90%

Administrative Order DHC-1785

Conoco Inc.

February 24, 1998

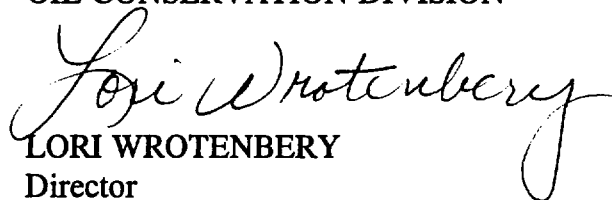
Page 2

REMARKS: 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 herein may be rescinded by the Division Director if conservation is not being best served by such commingling.

Approved at Santa Fe, New Mexico on this 24th day of February, 1998.

STATE OF NEW MEXICO
OIL CONSERVATION DIVISION


LORI WROTENBERY
Director

S E A L

LW/DRC

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

DISTRICT II

811 South First St. Artesia NM 88210 2835

DISTRICT III

1000 Rio Brazos Rd. Aztec, NM 87410 1693

OIL CONSERVATION DIVISION

2040 S. Pacheco
Santa Fe, New Mexico 87505-6429

APPLICATION FOR DOWNHOLE COMMINGLING

APPROVAL PROCESS:

☒ Administrative ☐ Hearing

EXISTING WELLBORE

☒ YES ☐ NO

Conoco Inc.

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

Operator

Address

Jicarilla B

#9A

Section 26, T-26-N, R-4-W, D

Rio Arriba

Lease

Well No

Unit Ltr Sec Twp Rge

County

OGRID NO. 005073

Property Code 18018

API NO. 30-039-06327

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	Tapicito Pictured Cliffs 85920	Blanco Mesaverde 72319	Wildhorse Dakota 64300
2. TOP and Bottom of Pay Section (Perforations)	3510-3540'	5663-5758'	7725-8000'
3. Type of production (Oil or Gas)	Gas	Gas	Gas
4. Method of Production (Flowing or Artificial Lift)	Flowing	Flowing	Flowing
5. Bottomhole Pressure	a. (Current)	a.	a.
Oil Zones - Artificial Lift: Estimated Current	298	638	1084
Gas & Oil - Flowing: Measured Current	b. (Original)	b.	b.
All Gas Zones: Estimated Or Measured Original	1111	1312	2496
6. Oil Gravity (*API) or Gas BT Content	1325	1245	1000
7. Producing or Shut-In?	Shut-in	Producing	Shut-in
Production Marginal? (yes or no)	Yes	Yes	Yes
• If Shut-In give date and oil/gas/water rates of last production	Date Rates December 1995 8 MCFD	Date Rates	Date Rates August 1996 17 MCFD
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	Date Rates October 1997 54 MCFD, 0 Oil, 0 water	Date Rates
8. Fixed Percentage Allocation Formula - % for 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

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

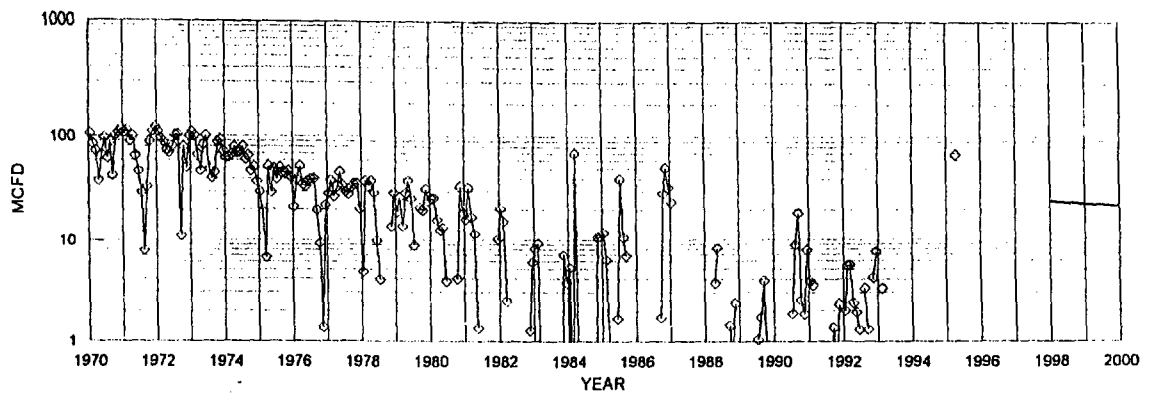
16. ATTACHMENTS

- * 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 12/10/97

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



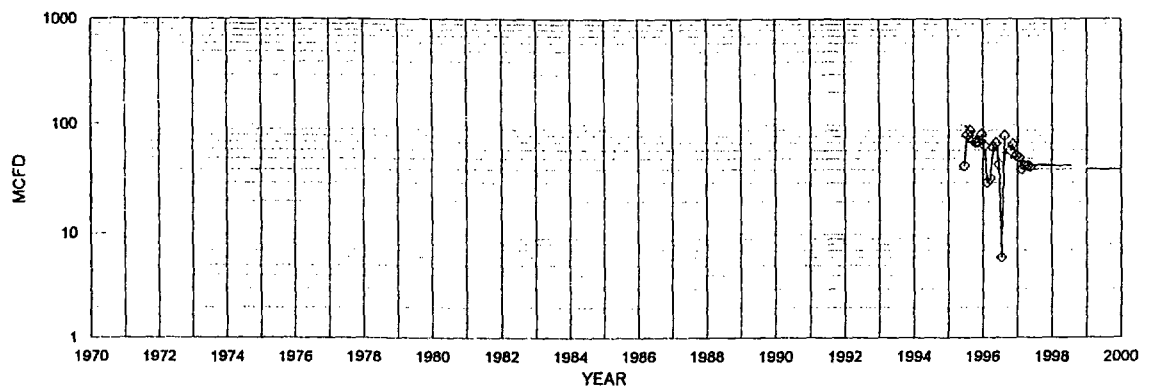
—○— PICTURED CLIFFS MCFD — FIT MCFD

HISTORICAL DATA:

1ST PROD: 09/62
OIL CUM: 3.71 MBO
GAS CUM: 665.1 MMCF
OIL YIELD: 0.0058 BBL/MCF

PICTURED CLIFFS PROJECTED DATA

10/1/97 Q1: 24 MCFD
DECLINE RATE: 5.0% (EXPONENTIAL)

JICARILLA B 9A MESAVERDE PRODUCTION
SECTION 26D-26N-04W

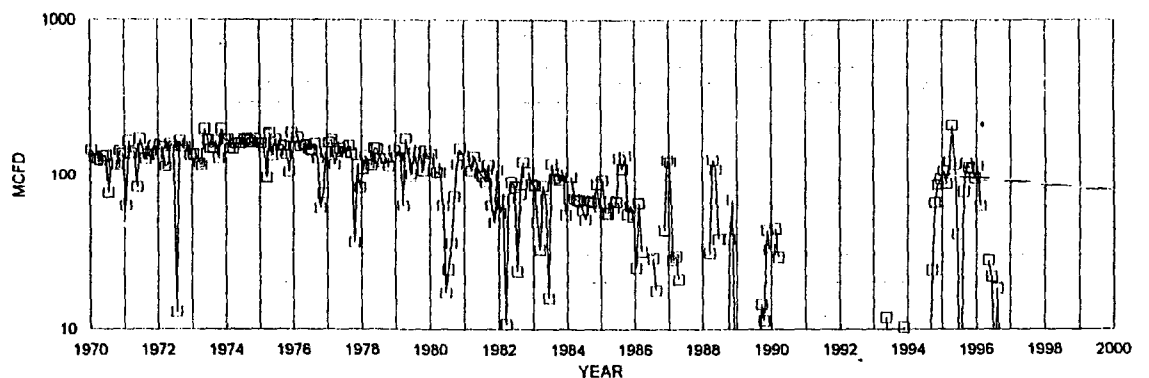
—○— MESAVERDE MCFD — FIT MCFD

HISTORICAL DATA

1ST PROD: 06/95
OIL CUM: 0.1 MBO
GAS CUM: 39.8 MMCF
OIL YIELD: 0.0037 BBL/MCF

MESAVERDE PROJECTED DATA

2/1/98 Q1: 43 MCFD
DECLINE RATE: 5.0% (EXPONENTIAL)

JICARILLA B 9A DAKOTA PRODUCTION
SECTION 26D-26N 04W

—□— DAKOTA MCFD — FIT MCFD

HISTORICAL DATA

1ST PROD: '62
OIL CUM: 66.1 MBO
GAS CUM: 1255.0 MMCF
OIL YIELD: 0.0527 BBL/MCF

DAKOTA PROJECTED DATA

02/1/98 Q1: 85 MCFD
DECLINE RATE: 5.0% (EXPONENTIAL)

FIXED COMMINGLE ALLOCATION FACTORS:

	GAS	OIL
PICTURED CLIFFS	16%	0%
MESAVERDE	29%	10%
DAKOTA:	56%	90%

OIL ALLOCATION BASED ON WEIGHTED CUM OIL YIELDS FOR LAST 2 YRS OF PRODUCTION

District I
PO Box 1980, Hobbs, NM 88241-1980
District II
PO Drawer DD, Artesia, NM 88211-0719
District III
1000 Rio Brazos Rd. Aztec, NM 87410
District IV
PO Box 2088, Santa Fe, NM 87504-2088

State of New Mexico
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION
PO Box 2088
Santa Fe, NM 87504-2088

Form C-102

Revised February 21, 1994

instructions on back

Submit to Appropriate District Office

State Lease - 4 Copies

Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-039-06327		2 Pool Code 72319		3 Pool Name Blanco Mesaverde	
4 Property Code 18018		5 Property Name Jicarilla B			6 Well Number #9A
7 OGRID No. 005073		8 Operator Name Conoco Inc., 10 Desta Drive, Ste. 100W, Midland, TX 79705-4500			9 Elevation 6886'

10 Surface Location

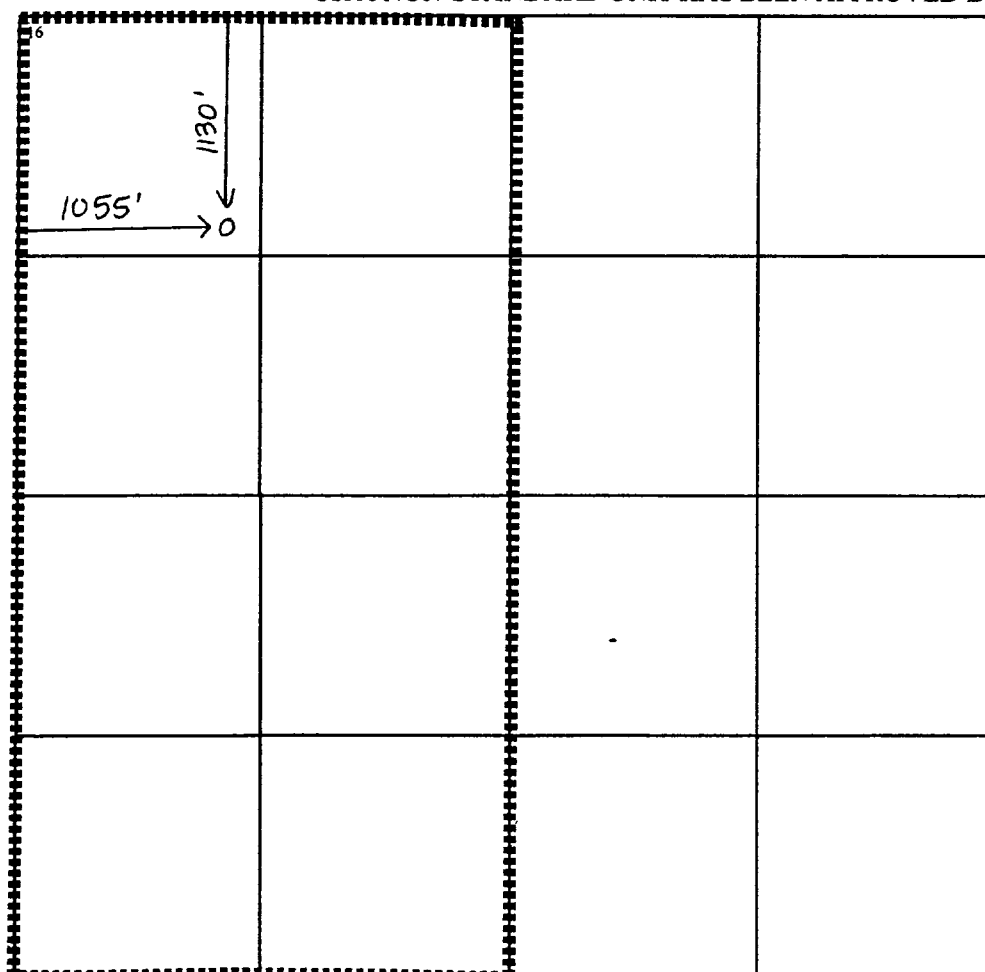
UL or lot no. D	Section 26	Township 26N	Range 4w	Lot Idn	Feet from the 1130	North/South line North	Feet from the 1055	East/West line West	County Rio Arriba
--------------------	---------------	-----------------	-------------	---------	-----------------------	---------------------------	-----------------------	------------------------	----------------------

11 Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
---------------	---------	----------	-------	---------	---------------	------------------	---------------	----------------	--------

12 Dedicated Acres 320	13 Joint or Infill	14 Consolidation Code	15 Order No.
---------------------------	--------------------	-----------------------	--------------

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

17 OPERATOR CERTIFICATION

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

Kay Maddox
Signature
Kay Maddox

Printed Name
Regulatory Agent

Title
December 8, 1997

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

District I
PO Box 1980, Hobbs, NM 88241-1980
District II
PO Drawer DD, Artesia, NM 88211-0719
District III
1000 Rio Brazos Rd. Aztec, NM 87410
District IV
PO Box 2088, Santa Fe, NM 87504-2088

State of New Mexico
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION
PO Box 2088
Santa Fe, NM 87504-2088

Form C-102

Revised February 21, 1994
instructions on back

Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-039-06327	2 Pool Code 85920	3 Pool Name Tapicito Pictured Cliffs
4 Property Code 18018	5 Property Name Jicarilla B	6 Well Number #9A
7 OGRID No. 005073	8 Operator Name Conoco Inc., 10 Desta Drive, Ste. 100W, Midland, TX 79705-4500	9 Elevation 6886'

10 Surface Location

UL or lot no. D	Section 26	Township 26N	Range 4w	Lot Idn	Feet from the 1130	North/South line North	Feet from the 1055	East/West line West	County Rio Arriba
--------------------	---------------	-----------------	-------------	---------	-----------------------	---------------------------	-----------------------	------------------------	----------------------

11 Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
---------------	---------	----------	-------	---------	---------------	------------------	---------------	----------------	--------

12 Dedicated Acres 160	13 Joint or Infill	14 Consolidation Code	15 Order No.
---------------------------	--------------------	-----------------------	--------------

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

16	1130'	1055'

17 OPERATOR CERTIFICATION

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

Kay Maddox
Signature
Kay Maddox

Printed Name
Regulatory Agent

Title
December 8, 1997

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

District I
PO Box 1980, Hobbs, NM 88241-1980

District II
PO Drawer DD, Artesia, NM 88211-0719

District III
1000 Rio Brazos Rd. Aztec, NM 87410

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

State of New Mexico
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION

PO Box 2088
Santa Fe, NM 87504-2088

Form C-102

Revised February 21, 1994

instructions on back

Submit to Appropriate District Office

State Lease - 4 Copies

Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-039-06327	2 Pool Code 64300	3 Pool Name Wildhorse Dakota
4 Property Code 18018	5 Property Name Jicarilla B	6 Well Number #9A
7 OGRID No. 005073	8 Operator Name Conoco Inc., 10 Desta Drive, Ste. 100W, Midland, TX 79705-4500	9 Elevation 6886'

10 Surface Location

UL or lot no. D	Section 26	Township 26N	Range 4w	Lot Idn	Feet from the 1130	North/South line North	Feet from the 1055	East/West line West	County Rio Arriba
--------------------	---------------	-----------------	-------------	---------	-----------------------	---------------------------	-----------------------	------------------------	----------------------

11 Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
---------------	---------	----------	-------	---------	---------------	------------------	---------------	----------------	--------

12 Dedicated Acres 320	13 Joint or Infill	14 Consolidation Code	15 Order No.
---------------------------	--------------------	-----------------------	--------------

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

1130' 1055'	17 OPERATOR CERTIFICATION		
	I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief		
	Signature <i>Kay Maddox</i> Kay Maddox		
	Printed Name Regulatory Agent		
	Title December 8, 1997		
	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		