

NMOCD Reference Cases for Rule 303(D) Exceptions

Unocal, Rincon Unit, Rio Arriba County, New Mexico

Rincon Unit Well	Legal Description	NMOCD Order No.	Issue Date
	UL S TWN RNG.		
167M	C 13 27 N 7 W	DHC-863	11/5/1992
175M	F 20 27 N 6 W	DHC-864	11/24/1992
158M	J 22 27 N 6 W	DHC-909	4/27/1993
159M	F 18 27 N 6 W	DHC-904	6/18/1993
129M	P 29 27 N 6 W	DHC-903	6/18/1993
1E	G 30 27 N 6 W	DHC-902	6/18/1993
127M	D 28 27 N 6 W	DHC-916	8/17/1993
184M	P 15 27 N 7 W	DHC-911	8/25/1993
170M	I 20 27 N 6 W	DHC-920	9/17/1993
126M	P 27 27 N 6 W	DHC-914	9/17/1993
151M	O 14 27 N 7 W	DHC-918	9/17/1993
136E	D 23 27 N 7 W	DHC-912	9/17/1993
125M	F 26 27 N 6 W	DHC-95	9/17/1993
137E	J 24 27 N 7 W	DHC-913	9/17/1993
180M	D 21 27 N 6 W	DHC-940	10/25/1993
174M	F 19 27 N 6 W	DHC-966	1/31/1994
128M	O 28 27 N 6 W	DHC-1042	8/31/1994
133E	D 14 27 N 7 W	DHC-1043	8/31/1994
185E	J 22 27 N 7 W	DHC-1038	8/31/1994
178E	I 23 27 N 7 W	DHC-1040	8/31/1994
138E	P 25 27 N 7 W	DHC-1044	8/31/1994
139E	F 25 27 N 7 W	DHC-1041	8/31/1994
149M	F 30 27 N 7 W	DHC-1037	8/31/1994
131E	C 36 27 N 7 W	DHC-1039	8/31/1994
302	C 11 26 N 7 W	DHC-1050	11/3/1994
303	E 33 27 N 6 W	DHC-1086	2/3/1995
171M	J 21 27 N 6 W	DHC-1101	3/7/1995
229E	M 34 27 N 7 W	DHC-1124	5/16/1995
186M	L 33 27 N 6 W	DHC-1176	12/21/1995
187E	P 35 27 N 7 W	DHC-1176	12/21/1995
134	B 12 26 N 7 W	DHC-1190	3/7/1996
170	M 20 27 N 6 W	DHC-1192	3/7/1996
168E	I 36 27 N 7 W	DHC-1191	3/7/1996
203	M 27 27 N 7 W	DHC-1261	5/23/1996
183	K 31 27 N 6 W	DHC-1376	10/16/1996
168	A 36 27 N 7 W	DHC-1778	2/4/1998
139	K 25 27 N 6 W	DHC-1777	2/4/1998
181	G 22 27 N 6 W	DHC-1779	2/4/1998
166E	F 32 27 N 6 W	DHC-1784	2/24/1998
201E	J 2 26 N 7 W	DHC-1841	3/6/1998
57E	O 1 26 N 7 W	DHC-1865	4/1/1998
57	A 1 26 N 7 W	DHC-1892	4/9/1998
131	K 36 27 N 7 W	DHC-1906	4/14/1998
137	K 24 27 N 7 W	DHC-1907	4/14/1998
137E	J 24 27 N 7 W	DHC-913	4/14/1998
169	K 26 27 N 7 W	DHC-1917	4/27/1998
192	K 1 26 N 7 W	DHC-1918	4/27/1998
192E	D 1 26 N 7 W	DHC-2097	9/15/1998

NEW MEXICO OIL CONSERVATION COMMISSION

Well Location and Acreage Dedication Plat

Section A.

Date OCTOBER 18, 1962

Operator EL PASO NATURAL GAS COMPANY Lease RINCON UNIT SF079360
 Well No. 185 Unit Letter A Section 22 Township 27-N Range 7-W NMPM
 Located 990 Feet From NORTH Line, 990 Feet From EAST Line
 County RIO ARriba G. L. Elevation 6587 Dedicated Acreage 320 Acres
 Name of Producing Formation DAKOTA Pool BASIN DAKOTA

1. Is the Operator the only owner in the dedicated acreage outlined on the plat below?
 Yes X No
2. If the answer to question one is "no", have the interests of all the owners been consolidated by communitization agreement or otherwise? Yes No . If answer is "yes", Type of Consolidation.
3. If the answer to question two is "no", list all the owners and their respective interests below:

OwnerLand Description

Section B.

This is to certify that the information in Section A above is true and complete to the best of my knowledge and belief.

El Paso Natural Gas Company

(Operator)

ORIGINAL SIGNED H.E. McANALLY

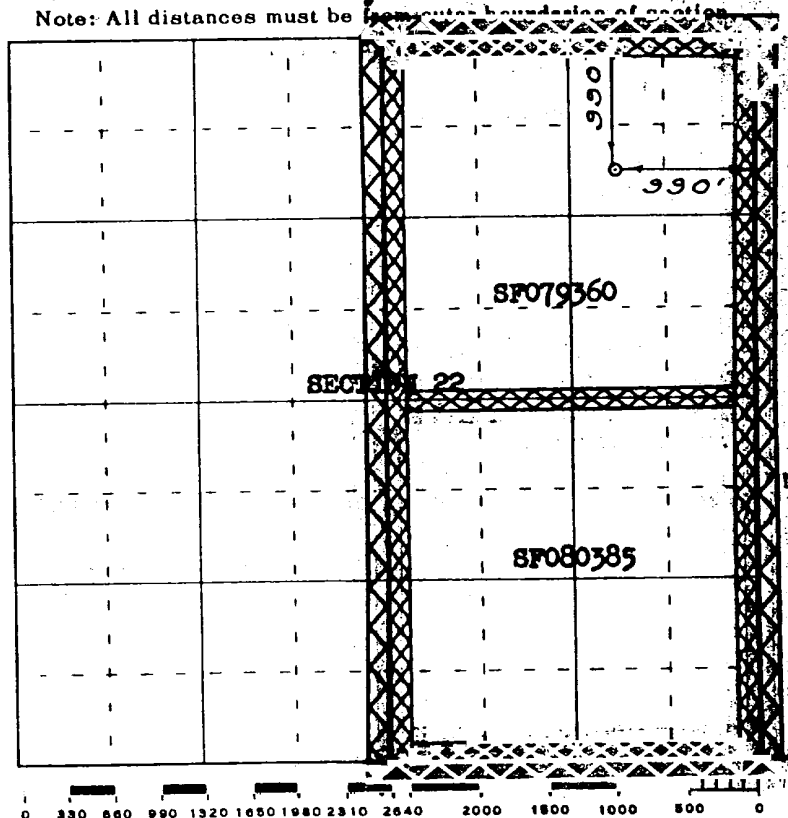
(Representative)

Box 990

(Address)

Farmington, New Mexico

Note: All distances must be from outer boundaries of section



Scale 4 inches equal 1 mile

This is to certify that the above plat was prepared from field notes of actual surveys made by me or under my supervision and that the same are true and correct to the best of my knowledge and belief.

(Seal)

Farmington, New Mexico

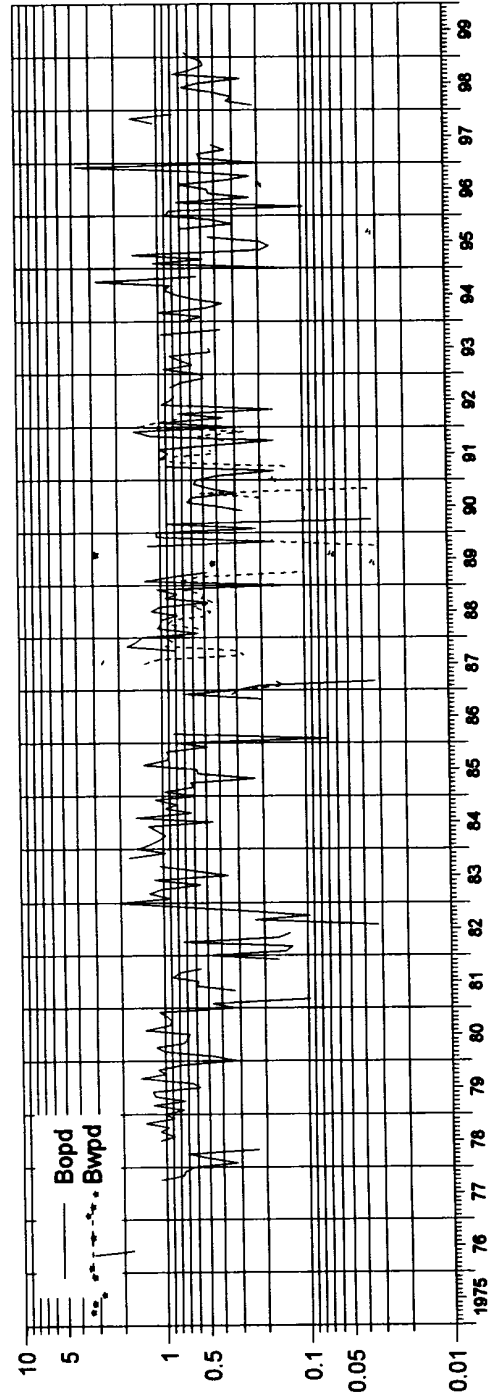
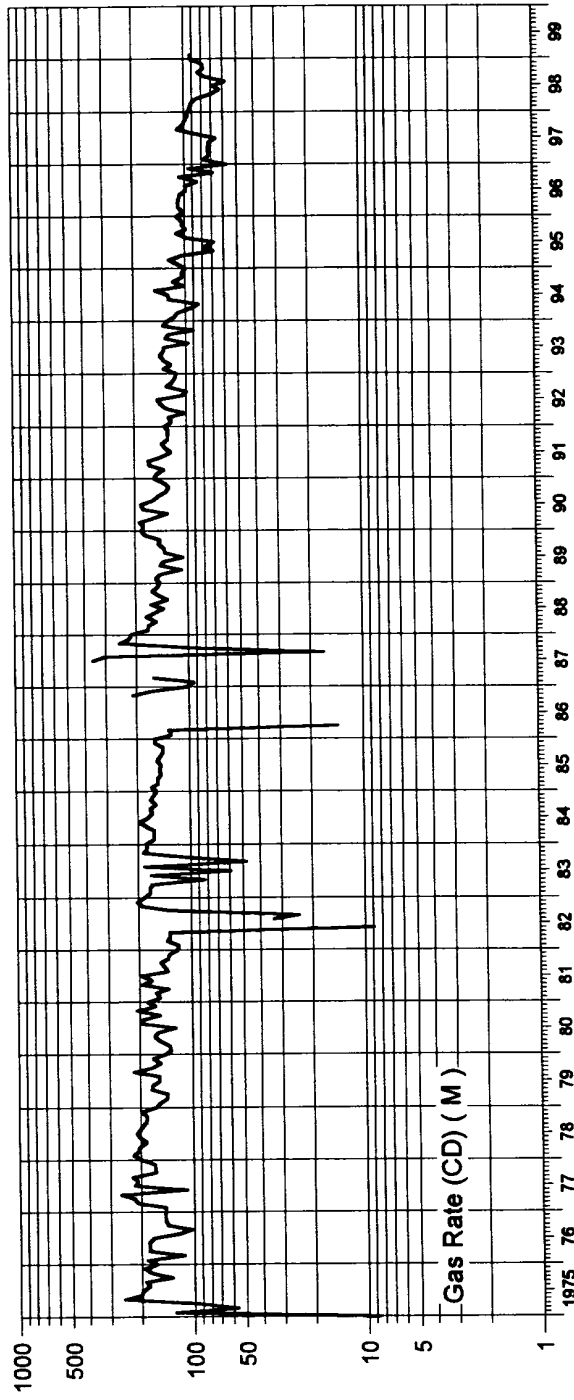
Date Surveyed JUNE 25, 1962

Harold O. Kilmer
 Registered Professional Engineer and/or Land Surveyor

UNION OIL COMPANY OF CALIFORNIA

RINCON UNIT 185:DK

RIO ARRIBA CO., NEW MEXICO



RINCON_UNIT_185:DK

DATE	GAS VOL PROD Mcf	OIL VOL PROD bbl	WATER VOL PROD bbl	Gas Rate (CD) Mcf/d	Oil Rate (CD) bbl/d	Water Rate (CD) bbl/d	Cum Gas Prod Mcf	Cum Oil Prod bbl
19970101	1764	6	0	57	0.2	0.0	2026763	15300
19970201	2167	14	0	77	0.5	0.0	2028930	15314
19970301	2238	16	0	72	0.5	0.0	2031168	15330
19970401	2183	10	0	73	0.3	0.0	2033351	15340
19970501	2261	13	0	73	0.4	0.0	2035612	15353
19970601	2173	0	0	72	0.0	0.0	2037785	15353
19970701	2027	0	0	65	0.0	0.0	2039812	15353
19970801	2630	0	0	85	0.0	0.0	2042442	15353
19970901	3276	0	0	109	0.0	0.0	2045718	15353
19971001	3142	33	0	101	1.1	0.0	2048860	15386
19971101	2965	46	0	99	1.5	0.0	2051825	15432
19971201	2986	24	0	96	0.8	0.0	2054811	15456
19980101	2939	0	0	95	0.0	0.0	2057750	15456
19980201	2575	6	0	92	0.2	0.0	2060325	15462
19980301	2806	10	0	91	0.3	0.0	2063131	15472
19980401	2569	9	0	86	0.3	0.0	2065700	15481
19980501	2193	13	0	71	0.4	0.0	2067893	15494
19980601	1877	20	0	63	0.7	0.0	2069770	15514
19980701	2116	16	0	68	0.5	0.0	2071886	15530
19980801	1789	8	0	58	0.3	0.0	2073675	15538
19980901	2277	23	0	76	0.8	0.0	2075952	15561
19981001	2564	18	0	83	0.6	0.0	2078516	15579
19981101	2297	14	0	77	0.5	0.0	2080813	15593
19981201	2428	15	0	78	0.5	0.0	2083241	15608
19990101	2839	18	0	92	0.6	0.0	2086080	15626
19990201	2559	18	0	91	0.6	0.0	2088639	15644

WELL NAME :**RINCON UNIT 185E MESAVERDE**

	ORIGINAL
Test Date:	Aug-95
GAS GRAVITY:	0.685
CONDENSATE (YES=1):	1
RESERVOIR TEMP:	150 F
SURFACE TEMP:	60 F
DEPTH OF ZONE:	5136 ft
% N2	0.38
% CO2	1.16
% H2S	0.00
Pc =	699.95
Tc =	379.07

SURFACE PRESS	300	psia
BHP	339	psia
Z	0.9613	
BHP/Z	353	psia

	CURRENT
Test Date:	Jun-98
GAS GRAVITY:	0.685
CONDENSATE (YES=1):	1
RESERVOIR TEMP:	150 F
SURFACE TEMP:	60 F
DEPTH OF ZONE:	5136 ft
% N2	0.38
% CO2	1.16
% H2S	0.00
Pc =	699.95
Tc =	379.07

SURFACE PRESS	280	psia
BHP	316	psia
Z	0.9638	
BHP/Z	328	psia

WELL NAME :**RINCON UNIT 185 DAKOTA**

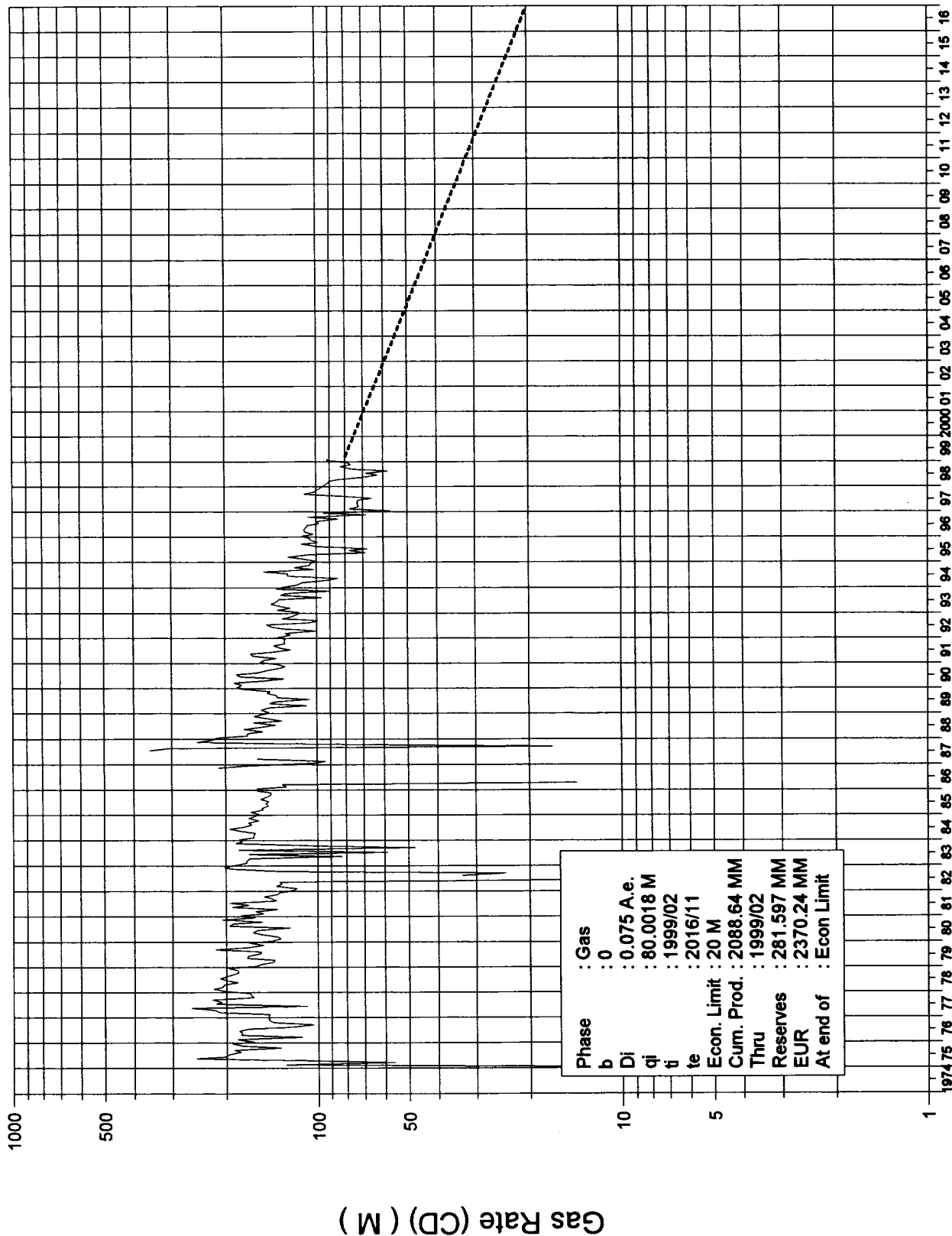
	ORIGINAL
Test Date:	Mar-63
GAS GRAVITY:	0.71
CONDENSATE (YES=1):	1
RESERVOIR TEMP:	190 F
SURFACE TEMP:	60 F
DEPTH OF ZONE:	7420 ft
% N2	0.20
% CO2	1.20
% H2S	0.00
Pc =	668.66
Tc =	385.46

SURFACE PRESS	1,694	psia
BHP by Buildup Measurement	2,109	psig
Z	0.8625	
BHP/Z	2,445	psia

	CURRENT
Test Date:	Jun-98
GAS GRAVITY:	0.714
CONDENSATE (YES=1):	1
RESERVOIR TEMP:	190 F
SURFACE TEMP:	60 F
DEPTH OF ZONE:	7420 ft
% N2	0.20
% CO2	1.20
% H2S	0.00
Pc =	668.66
Tc =	385.46

SURFACE PRESS	320	psia
BHP	383	psia
Z	0.9627	
BHP/Z	398	psia

RINCON UNIT 185:DK



RU 185DK Forecast

Well
Existing Completion Prior to DHC
Annual Decline
Monthly Decline Factor (Annual / 12)
Average Monthly volume (Mcf) prior to DHC
Average Yield (bbls/mcf) Oil
Average Yield (bbls/mcf) Water
Est. Volume Prior to DHC (Mcf) - Sept. 1999

RU 185
DK
7.50%
0.6250
2369
0.005
0.000
2303

1998 Annual Average
1998 Annual Average
1998 Annual Average

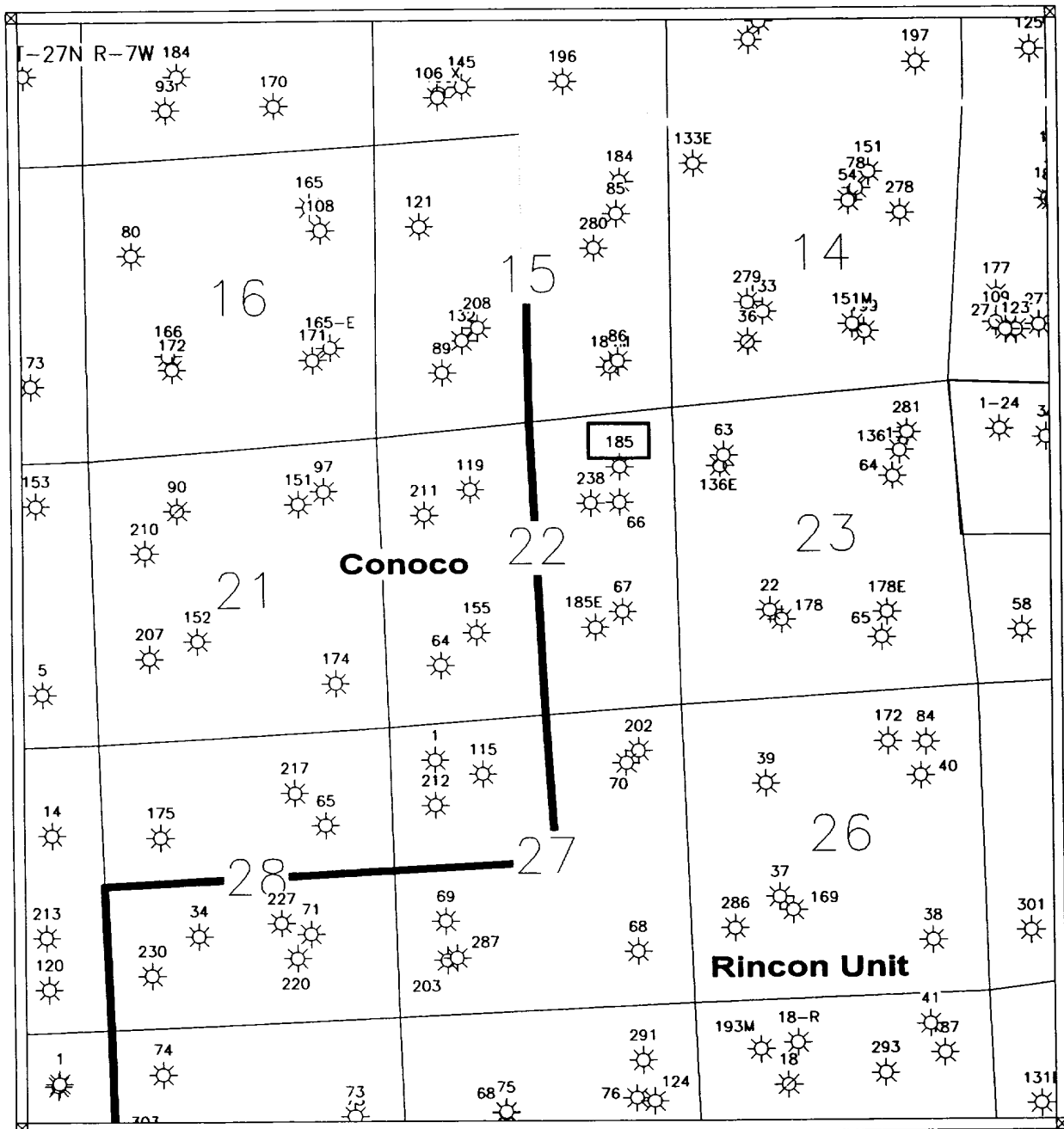
* Forecasted volumes to be adjusted for actual days on production & actual volume prior to commingling

Month	DK Forecast (Mcf)	DK Forecast (Mcf)	DK Forecast (Bbls-Oil)	DK Forecast (Bbls-Water)
1	87	2648	13.2	0.0
2	83	2517	12.6	0.0
3	76	2303	11.5	0.0
4	75	2289	11.4	0.0
5	75	2274	11.4	0.0
6	74	2260	11.3	0.0
7	74	2246	11.2	0.0
8	73	2232	11.2	0.0
9	73	2218	11.1	0.0
10	72	2204	11.0	0.0
11	72	2190	11.0	0.0
12	72	2177	10.9	0.0
13	71	2163	10.8	0.0
14	71	2150	10.7	0.0
15	70	2136	10.7	0.0
16	70	2123	10.6	0.0
17	69	2109	10.5	0.0
18	69	2096	10.5	0.0
19	68	2083	10.4	0.0
20	68	2070	10.4	0.0
21	68	2057	10.3	0.0
22	67	2044	10.2	0.0
23	67	2032	10.2	0.0
24	66	2019	10.1	0.0

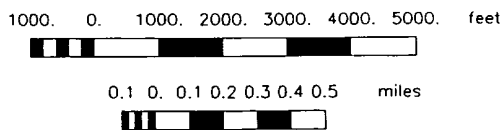
+ DK flush volume @ 15%
+ DK flush volume @ 10%

RINCON UNIT 185:DK - Gas Forecast @ 7.5% A.E.

DATE	Average Rate Mscf/d	Monthly Volume MMscf	Cumulative Volume MMscf	Remaining Reserves MMscf
1999/ 3	80	2.47	2091.1	279.1
1999/ 4	79	2.38	2093.5	276.7
1999/ 5	79	2.44	2095.9	274.3
1999/ 6	78	2.35	2098.3	272.0
1999/ 7	78	2.41	2100.7	269.6
1999/ 8	77	2.39	2103.1	267.2
1999/ 9	77	2.30	2105.4	264.9
1999/10	76	2.36	2107.7	262.5
1999/11	76	2.27	2110.0	260.2
1999/12	75	2.33	2112.3	257.9
2000/ 1	75	2.32	2114.7	255.6
2000/ 2	74	2.16	2116.8	253.4
2000/ 3	74	2.28	2119.1	251.1
2000/ 4	73	2.20	2121.3	248.9
2000/ 5	73	2.25	2123.6	246.7
2000/ 6	72	2.17	2125.7	244.5
2000/ 7	72	2.23	2128.0	242.3
2000/ 8	71	2.21	2130.2	240.1
2000/ 9	71	2.13	2132.3	237.9
2000/10	70	2.18	2134.5	235.8
2000/11	70	2.10	2136.6	233.7
2000/12	70	2.15	2138.7	231.5
2001/ 1	69	2.14	2140.9	229.4
2001/ 2	69	1.93	2142.8	227.4
2001/ 3	68	2.11	2144.9	225.3
2001/ 4	68	2.04	2147.0	223.3
2001/ 5	67	2.09	2149.0	221.2
2001/ 6	67	2.01	2151.0	219.2
2001/ 7	66	2.06	2153.1	217.1
2001/ 8	66	2.05	2155.2	215.1
2001/ 9	66	1.97	2157.1	213.1
2001/10	65	2.02	2159.1	211.1
2001/11	65	1.95	2161.1	209.1
2001/12	64	1.99	2163.1	207.2
2002/ 1	64	1.98	2165.1	205.2
2002/ 2	64	1.78	2166.8	203.4
2002/ 3	63	1.95	2168.8	201.4
2002/ 4	63	1.88	2170.7	199.6
2002/ 5	62	1.93	2172.6	197.6
2002/ 6	62	1.86	2174.5	195.8
2002/ 7	61	1.90	2176.4	193.9
2002/ 8	61	1.89	2178.3	192.0
2002/ 9	61	1.82	2180.1	190.1
2002/10	60	1.87	2182.0	188.3
2002/11	60	1.80	2183.8	186.5
2002/12	59	1.84	2185.6	184.6
2003/ 1	59	1.83	2187.4	182.8
2003/ 2	59	1.65	2189.1	181.2
2003/ 3	58	1.80	2190.9	179.3
2003/ 4	58	1.74	2192.6	177.6
2003/ 5	58	1.78	2194.4	175.8
2003/ 6	57	1.72	2196.1	174.1
2003/ 7	57	1.76	2197.9	172.3
2003/ 8	57	1.75	2199.6	170.6
2003/ 9	56	1.69	2201.3	168.9
2003/10	56	1.73	2203.1	167.2
2003/11	55	1.66	2204.7	165.5
2003/12	55	1.71	2206.4	163.8
2004/ 1	55	1.70	2208.1	162.1
2004/ 2	54	1.58	2209.7	160.5



Scale 1:34567.08



LEASE MAP RINCON UNIT NO. 185 OPERATOR: UNION OIL CO. OF CALIFORNIA		
	Scale 1:34567.08	
HADWIGREN	5/19/1999	185d.GPT

SPIRIT ENERGY
AN OXYGEN ENERGY COMPANY



New Name. Same Spirit.
A Business Unit of Unocal

May 20, 1999

Conoco
10 Desta Dr. W, Suite 100W
Midland, TX 79705

Gentlemen:

Union Oil Company of California (UNOCAL) has requested from the State of New Mexico Oil Conservation Division, approval to down hole commingle production from the Blanco Mesaverde and Basin Dakota formations in the following Rincon Unit wells, Rio Arriba County, New Mexico.

Well	Lease	Legal Location
178	Federal	1450' FSL, 1850' FWL, SW Sec 23, T27N, R7W
185	Federal	990' FNL, 990' FEL, NE Sec 22, T27N, R7W

If Conoco, as an offset operator, has an objection to these proposals, please notify NMOCD within twenty days. If you have any questions regarding these applications, please contact Heather Dahlgren at 915/685-7665.

Sincerely,

Spirit Energy 76
A Business Unit of UNOCAL

A handwritten signature in black ink, appearing to read "Heather Dahlgren".

Heather Dahlgren
Senior Engineering Technician