

DISTRICT I

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

DISTRICT II

811 South First St., Artesia, NM 88210-2935

DISTRICT III

1000 Rio Brazos Rd, Aztec, NM 87410-1593

State of New Mexico
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION

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

APPROVAL PROCESS:

☒ Administrative ☐ Hearing

EXISTING WELLBORE

☒ YES ☐ NO

APPLICATION FOR DOWNHOLE COMMINGLING

Operator UNION OIL COMPANY OF CALIFORNIA (UNOCAL) Address 1004 N. BIG SPRING MIDLAND TX 79702Lease RINCON UNITWell No. 192EUnit Ltr. - Sec. - Twp. - Rge D 1-T26N-R7WCounty RIO ARribaOGRID NO. 023708 Property Code 011510 API NO. 30-039-25060 Spacing Unit Lease Types: (check 1 or more)
Federal ☒ State ☐ Land/ort Fee ☐

The following facts are submitted in support of downhole commingling:	Upper Zone	Intermediate Zone	Lower Zone
1. Pool Name and Pool Code	BLANCO MESAVERDE 72319	LARGO GALLUP 80000	BASIN DAKOTA 71599
2. Top and Bottom of Pay Section (Perforations)	Proposed 5115 - 5211	6312 - 6500	7142 - 7323
3. Type of production (Oil or Gas)	GAS	GAS	GAS
4. Method of Production (Flowing or Artificial Lift)	FLOWING	FLOWING	FLOWING
5. Bottomhole Pressure Oil Zones - Artificial Lift: Gas & Oil - Flowing: All Gas Zones: Estimated Current Measured Current Estimated Or Measured Original	a. (Current) 932 psia b. (Original) 932 psia	a. 382 psia b. 789 psig	a. 356 psia b. 1469 psig
6. Oil Gravity (° API) or Gas BTU Content	1184 BTU	1252 BTU	1182 BTU
7. Producing or Shut-In?	NEW COMPLETION	PRODUCING	PRODUCING
Production Marginal? (yes or no)	YES	YES	YES
* If Shut-In, give date and oil/gas/water rates of last production Note: For new zones with no production history, applicant shall be required to attach production estimates and supporting data * If Producing, give date and oil/gas/water rates of recent test (within 60 days)	Date: SEE ATTACHED Rates:	Date: Rates:	Date: Rates:
	Date: Rates:	Date: 2-98 39 mcf/d Rates: .07 bopd, .1 bwpd	Date: 2-98 117 mcf/d Rates: .1 bopd, 0 bwpd
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? R 9893 ☐ 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 other? ☒ Yes ☐ No13. Will the value of production be decreased by commingling? ☐ Yes ☒ No (If Yes, attach explanation)14. If this well is on, or communitized with, state or federal lands, either the Commissioner of Public Lands or the United States Bureau of Land Management has been notified in writing of this application. ☒ Yes ☐ No15. NMOCD Reference Cases for Rule 303(D) Exceptions: ORDER NO(S). SEE ATTACHED

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 Heather Dahlgren TITLE Engineering Tech. DATE 3-31-98TYPE OR PRINT NAME HEATHER DAHLGREN TELEPHONE NO. (915) 685 7665

March 31, 1998

Supplemental Data for C-107-A, Rincon Unit Well No. 192E

Well History: The Rincon Unit Well No. 192E was drilled and completed as a dual Dakota / Gallup in December 1991. Unocal proposes to add a Mesaverde completion and seeks approval to downhole commingle the Dakota, Gallup and Mesaverde. This well would be completed and operated most economically with a triple commingled completion. An estimated completion date is late April or May 1998.

Production History: Current gas production is 117 Mcfd from the Dakota and 39 Mcfd from the Gallup. Both zones produce trace amounts of oil and water. Recent production history shows the Gallup horizon to be producing an average of 25% of the combined gas production from this well and 40% of the combined oil production. An estimated initial rate for the first 30 days of additional Mesaverde production is 307 Mcfd and 4 Bopd. This estimate is an average based on actual IP's and production from six recent Mesaverde completions on the Rincon Unit. Please see attachments for this supporting data.

Pressure Data: Dakota and Gallup original pressures were obtained from bottom hole pressure surveys (7 day shut-in December 1991). Current pressures were calculated from surface shut-in casing pressures. The initial shut-in pressure from the offset #168 Mesaverde was used to estimate original pressure for the 192E Mesaverde. The #168 Mesaverde was recently completed in December of 1997. Please see attachments for the bottom hole calculation, date and duration of these tests.

Allocation of Production: Unocal proposes to use an allocation based on an established Dakota / Gallup annual decline rate of 9.93%. A fixed allocation percentage of 25% gas and 40% oil for Gallup production will be applied to the combined DK/GL forecasted volume. This percentage is based upon Nov. 1997 – Feb. 1998 production volumes. The remaining 75% of the gas volume and 60 % of the oil volume will constitute the Dakota portion of the combined forecasted volume. Production will be extrapolated monthly using Bureau of Land Management recommended allocation methods with the remainder of the commingled production being allocated to the Mesaverde formation. Please see attachments for the Dakota / Gallup forecast. Initial flush production volumes have been added to the first two months due to the anticipated extended shut-in during the workover. While tabular data has been provided for the first five years of the Dakota / Gallup forecast, we anticipate being able to convert to a fixed allocation factor within 12 to 24 months. Unocal also proposes to use a yield factor for allocating liquid production. This factor based on the average oil and water yield for 1997.

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State of New Mexico
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION
2040 South Pacheco
Santa Fe, NM 87505

Form C-102
Revised October 18, 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

¹ API Number 30-039-25060	² Pool Code 71599	³ Pool Name BASIN DAKOTA
⁴ Property Code 011510	⁴ Property Name RINCON UNIT	⁶ Well Number 192E
⁷ OGRID No. 023708	⁸ Operator Name UNION OIL COMPANY OF CALIFORNIA (UNOCAL)	⁹ Elevation 6536'

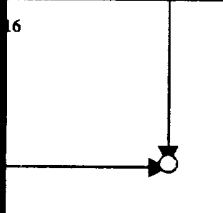
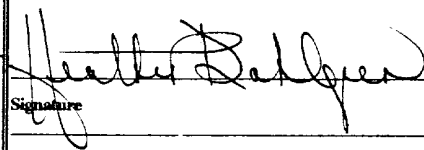
¹⁰ Surface Location

UL or lot no. D	Section 1	Township 26N	Range 7W	Lot Idn	Feet from the 1020	North/South line N	Feet from the 970	East/West line W	County Rio Arriba
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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 320.60	¹³ Joint or Infill Y	¹⁴ Consolidation Code U	¹⁵ Order No. Unitization						

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 					¹⁷ OPERATOR CERTIFICATION <i>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief</i>  Signature Printed Name HEATHER DAHLGREN Title ENGINEERING TECHNICIAN Date 3-25-98
					¹⁸ SURVEYOR CERTIFICATION <i>I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made</i> Date of Survey Signature and Seal of Professional Surveyor: Certificate Number

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WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-039-25060		² Pool Code 80000	³ Pool Name LARGO GALLUP
⁴ Property Code 011510	⁴ Property Name RINCON UNIT		⁴ Well Number 192E
⁷ OGRID No. 023708	⁸ Operator Name UNION OIL COMPANY OF CALIFORNIA (UNOCAL)		⁹ Elevation 6536'

¹⁰ Surface Location

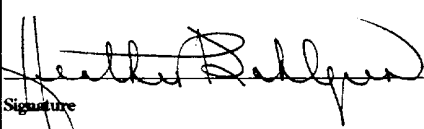
UL or lot no. D	Section 1	Township 26N	Range 7W	Lot Idn	Feet from the 1020	North/South line N	Feet from the 970	East/West line W	County Rio Arriba
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¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
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¹² Dedicated Acres 160.60	¹³ Joint or Infill Y	¹⁴ Consolidation Code U	¹⁵ Order No. Unitization
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				Certificate Number

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WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-039-25060		² Pool Code 72319	³ Pool Name BLANCO MESAVERDE
⁴ Property Code 011510	⁴ Property Name RINCON UNIT		⁴ Well Number 192E
⁷ OGRID No. 023708	⁸ Operator Name UNION OIL COMPANY OF CALIFORNIA (UNOCAL)		⁹ Elevation 6536'

¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
D	1	26N	7W		1020	N	970	W	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 320.60	¹³ Joint or Infill Y	¹⁴ Consolidation Code U	¹⁵ Order No. Unitization
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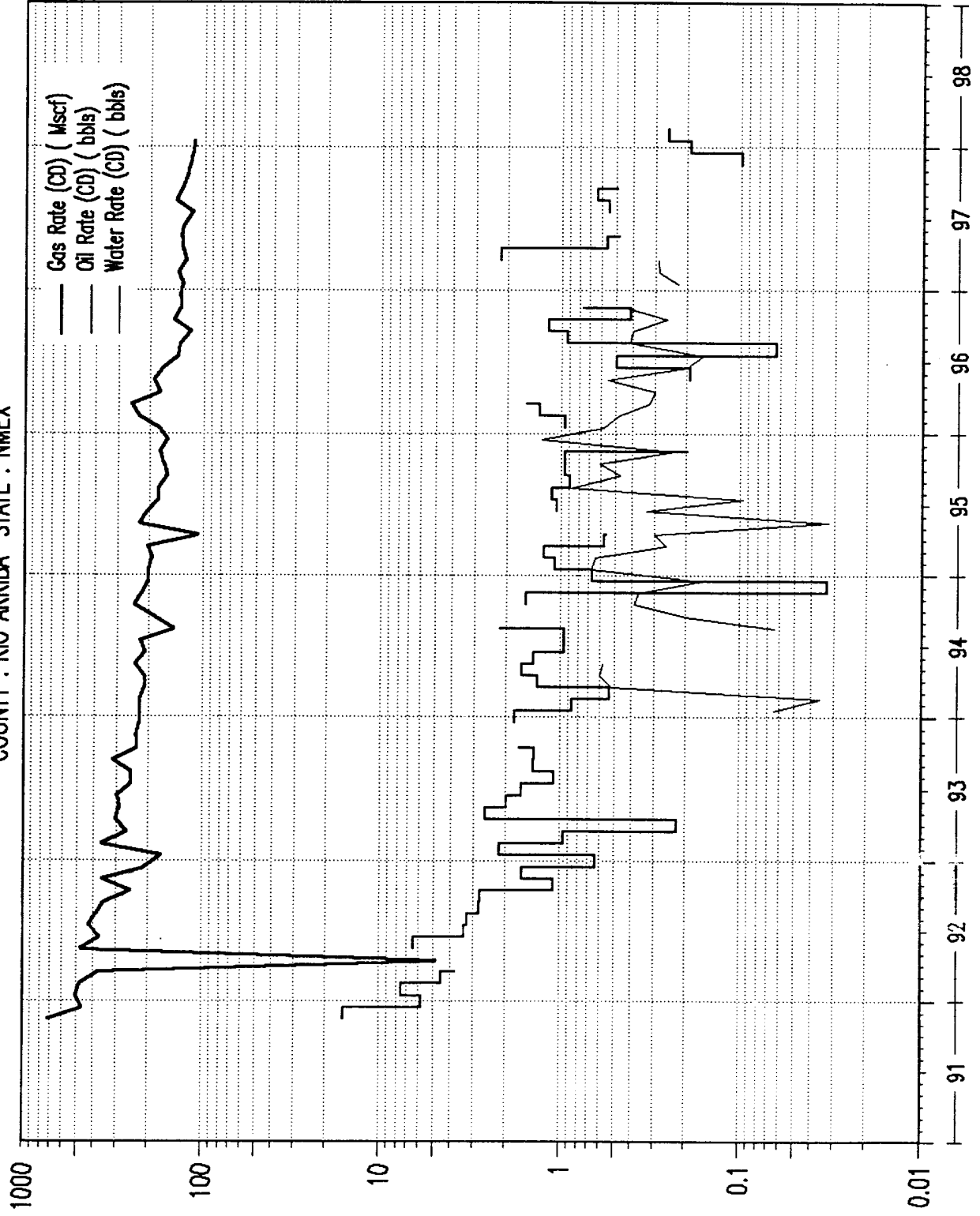
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				¹⁸ SURVEYOR CERTIFICATION <i>I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my</i>
				Date of Survey Signature and Seal of Professional Surveyor:
				Certificate Number

WELL: RINCON UNIT 192E:DK

LOCATION : N026 W007 1 SENWNW

COUNTY : RIO ARriba STATE : NMEX



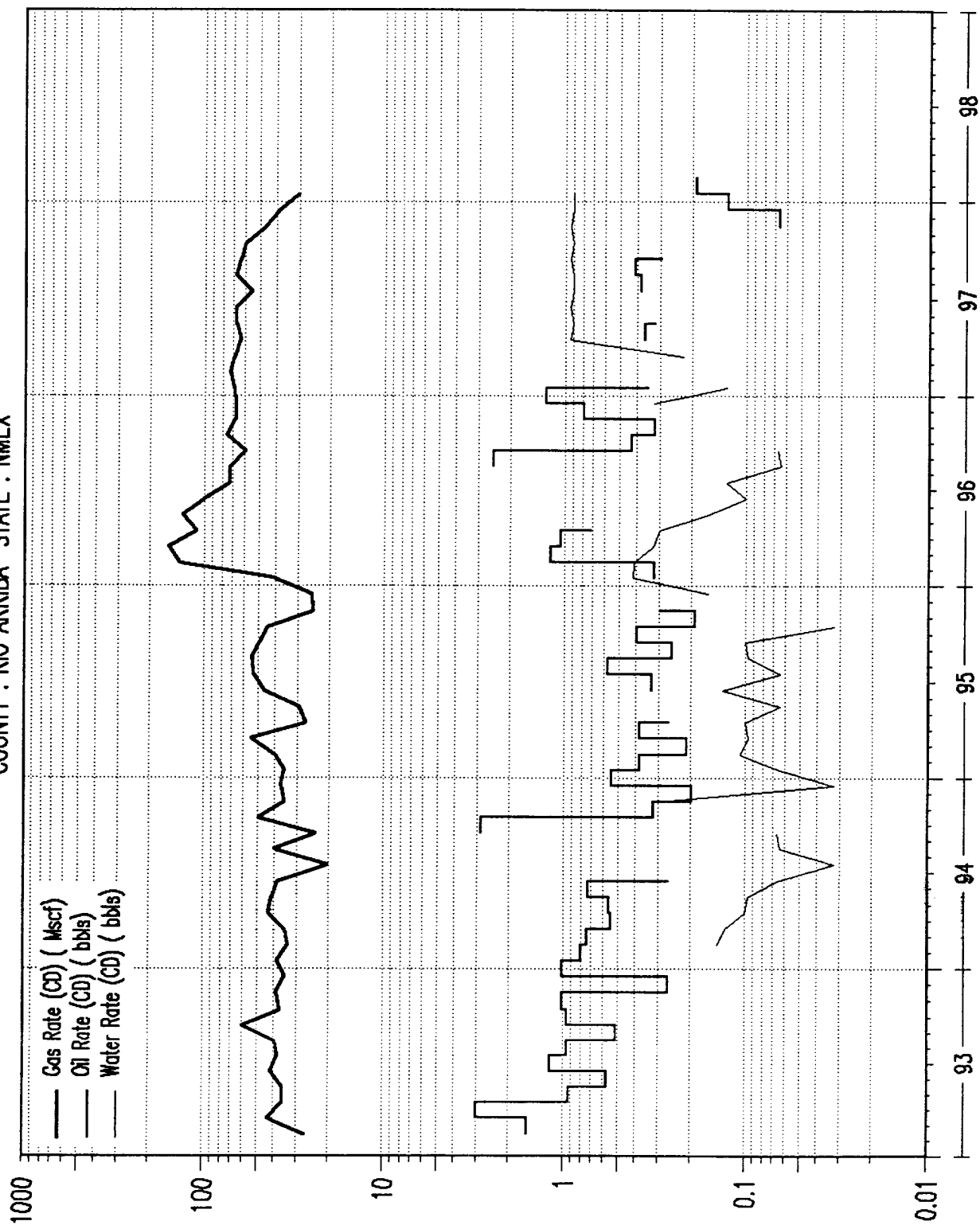
WELL: RINCON UNIT 192E:DK

LOCATION : N026 W007 1 SENWNW

COUNTY : RIO ARRIBA STATE : NMEX

DATE	OIL VOL PROD bbls	GAS VOL PROD Mscf	WATER VOL PROD bbls	OIL RATE (PD) bbls	GAS RATE (PD) Mscf	WATER RATE (PD) bbls	CUM OIL PROD bbls	CUM GAS PROD Mscf
9601	30	5525	18	1.0	178	0.6	3022	409838
9602	39	6721	14	1.3	232	0.5	3061	416559
9603	49	7877	10	1.6	254	0.3	3110	424436
9604	0	5291	9	0.0	189	0.3	3110	429727
9605	6	5900	17	0.2	190	0.5	3116	435627
9606	15	5078	6	0.5	169	0.2	3131	440705
9607	2	4346	5	0.1	140	0.2	3133	445051
9608	29	4195	13	0.9	135	0.4	3162	449246
9609	36	3573	12	1.4	143	0.5	3198	452819
9610	13	4594	8	0.4	148	0.3	3211	457413
9611	23	4082	13	0.8	136	0.4	3234	461495
9612	0	4247	0	0.0	137	0.0	3234	465742
9701	6	4069	7	0.2	131	0.2	3240	469811
9702	0	3957	8	0.0	141	0.3	3240	473768
9703	69	3964	9	2.2	128	0.3	3309	477732
9704	17	3993	0	0.6	133	0.0	3326	481725
9705	15	4193	0	0.5	140	0.0	3341	485918
9706	0	3905	0	0.0	130	0.0	3341	489823
9707	17	3631	0	0.5	117	0.0	3358	493454
9708	20	4448	0	0.6	143	0.0	3378	497902
9709	15	3993	0	0.5	129	0.0	3393	501895
9710	0	3881	0	0.0	125	0.0	3393	505776
9711	3	3634	0	0.1	121	0.0	3396	509410
9712	6	3612	0	0.2	120	0.0	3402	513022
9801	8	3574	0	0.3	119	0.0	3410	516596

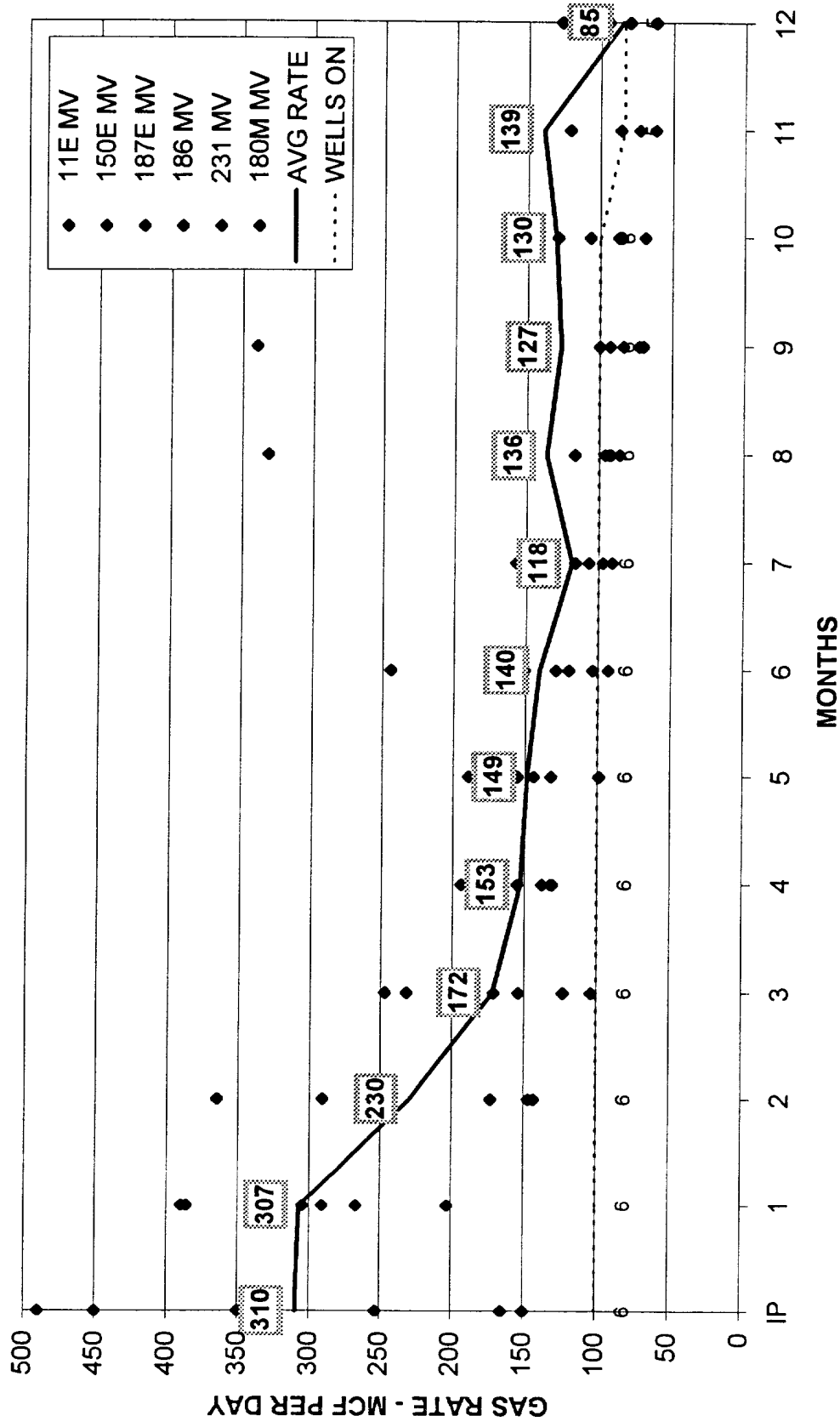
WELL: RINCON UNIT 192E:GL
LOCATION : N026 W007 1 SENWNW
COUNTY : RIO ARriba STATE : NMEX



WELL: RINCON UNIT 192E:GL
 LOCATION : N026 W007 1 SENWNW
 COUNTY : RIO ARRIBA STATE : NMEX

DATE	OIL VOL PROD bbls	GAS VOL PROD Mscf	WATER VOL PROD bbls	OIL RATE (PD) bbls	GAS RATE (PD) Mscf	WATER RATE (PD) bbls	CUM OIL PROD bbls	CUM GAS PROD Mscf
9601	10	1264	13	0.3	41	0.4	710	42558
9602	35	3968	12	1.2	137	0.4	745	46526
9603	33	4887	10	1.1	158	0.3	778	51413
9604	22	3306	9	0.8	118	0.3	800	54719
9605	0	4095	5	0.0	152	0.2	800	58814
9606	8	3015	3	0.3	101	0.1	808	61829
9607	0	2250	4	0.0	73	0.1	808	64079
9608	78	2234	2	2.5	72	0.1	886	66313
9609	13	1794	2	0.5	72	0.1	899	68107
9610	10	2339	0	0.0	0	0.0	909	70446
9611	24	2022	0	0.0	0	0.0	933	72468
9612	40	2096	10	1.3	68	0.3	973	74564
9701	11	2149	4	0.4	69	0.1	984	76713
9702	0	2046	0	0.0	73	0.0	984	78759
9703	0	2122	7	0.0	68	0.2	984	80881
9704	11	1901	28	0.4	63	0.9	995	82782
9705	10	2104	28	0.3	70	0.9	1005	84886
9706	0	2018	28	0.0	67	0.9	1005	86904
9707	12	1715	28	0.4	55	0.9	1017	88619
9708	13	2100	28	0.4	68	0.9	1030	90719
9709	9	1902	28	0.3	61	0.9	1039	92621
9710	0	1841	28	0.0	59	0.9	1039	94462
9711	2	1406	28	0.1	47	0.9	1041	95868
9712	4	1203	28	0.1	40	0.9	1045	97071
9801	6	939	28	0.2	31	0.9	1051	98010

RINCON MESAVERDE RECOMPLETIONS SEPARATELY METERED VOLUMES



--BHPCALC--

Calculated BHP and Z-factor from surface shut-in pressure

TEST DATE: Jul-97

WELL NAME : Rincon Unit 192E DK (Current Pressure)

GAS GRAVITY: 0.70 % N2 0.32
CONDENSATE (YES=1): 1 % CO2 1.16 %
RESERVOIR TEMP: 186 F % H2S 0.00 %
SURFACE TEMP: 60 F Pc = 669.37 %
DEPTH OF ZONE: 7233 Foot Tc = 381.52

SURFACE PRES	BHP	Z	BHP/Z
psia	psia		psia
300	356	0.9658	368

Current pressure obtained after 5 day shut-in.

INOCAL CORPORATION
P. O. BOX 950
BLOOMFIELD, NEW MEXICO 87413

DATE: 12-20-91 TO 01-03-92

TEST TYPE: PRESSURE MONITOR

WELL NAME: RINCON WELL NO. 192E
FORMATION: DAKOTA
COUNTY: RIO ARriba
STATE: NEW MEXICO

CHRONOLOGICAL PRESSURE AND PRODUCTION DATA

DATE	STATUS OF WELL	TIME HR/MM	ELAPSED TIME HRS/10THS	TOTAL	GAS MCFD	TUBING PRESSURE	BHP PSIG 7286'
				ELAPSED TIME/ FLOW TEST			
12-20-91	ARRIVED ON LOCATION						
	WELL FLOWING.						
	RIGGED UP AND RAN A						
	TANDEM BHP INSTRUMENTS						
	TO 7286' FOR BOTTOM						
	HOLE PRESSURE MONITOR.	14:00	0.00				613
	SHUT IN FOR BUILD-UP	16:00	2.00			279	627
		16:00					
		16:15	0.25				657
		16:30	0.50				686
		16:45	0.75				707
		17:00	1.00				728
		17:15	1.25				747
		17:30	1.50				768
		17:45	1.75				780
		18:00	2.00				791
		18:30	2.50				808
		19:00	3.00				820
		19:30	3.50				831
		20:00	4.00				840
		21:00	5.00				858
		22:00	6.00				877
		23:00	7.00				894
12-21-91		00:00	8.00				906
		01:00	9.00				919
		02:00	10.00				930
		04:00	12.00				954
		06:00	14.00				976
		08:00	16.00				994
		10:00	18.00				1011
		12:00	20.00				1026
		14:00	22.00				1043
		16:00	24.00				1056
		20:00	28.00				1083
12-22-91		00:00	32.00				1106
		04:00	36.00				1122
		08:00	40.00				1147
		12:00	44.00				1164
12-23-91		16:00	48.00				1181

CAL CORPORATION
 BUILD-UP PAGE TWO
 CONN WELL NO. 192E

12-22-91 SHUT IN FOR BUILD-UP	20:00	52.00			1198
12-23-91	00:00	56.00			1213
	04:00	60.00			1227
	14:00	70.00			1261
12-24-91	00:00	80.00			1290
	10:00	90.00			1318
	20:00	100.00			1344
12-25-91	06:00	110.00			1367
	16:00	120.00			1389
12-26-91	02:00	130.00			1410
	12:00	140.00			1427
	22:00	150.00			1443
12-27-91	08:00	160.00			1460
	12:00	164.00		890	1469
BEGIN FLOW TEST	12:00	0.00	0.00		
APPROX. 200 MCFD/4 HRS	12:15	0.25	0.25		1467
	12:30	0.50	0.50		1468
	12:45	0.75	0.75		1458
	13:00	1.00	1.00	215.4	930 1452
	13:30	1.50	1.50		1441
	14:00	2.00	2.00	213.9	955 1435
	14:30	2.50	2.50		1431
	15:00	3.00	3.00	213.9	960 1427
	15:30	3.50	3.50		1425
	16:00	4.00	4.00	213.9	950 1422
	16:00	0.00			
	16:15	0.25	4.25		1437
	16:30	0.50	4.50		1443
	16:45	0.75	4.75		1450
	17:00	1.00	5.00		1454
	17:30	1.50	5.50		1457
	18:00	2.00	6.00		1460
	18:30	2.50	6.50		1462
	19:00	3.00	7.00		1464
	19:30	3.50	7.50		1467
	20:00	4.00	8.00		1469
BEGIN END FLOW RATE	20:00	0.00			
7/64 CHOKE 400 MCFD	20:15	0.25	8.25		1429
	20:30	0.50	8.50		1419
12-27-91	20:45	0.75	8.75		1406

--BHPCALC--

Calculated BHP and Z-factor from surface shut-in pressure

TEST DATE: Jul-97

WELL NAME : Rincon Unit 192E GL (Current Pressure)

GAS GRAVITY: 0.73 % N2 0.26
CONDENSATE (YES=1): 1 % CO2 0.61 %
RESERVOIR TEMP: 175 F % H2S 0.00 %
SURFACE TEMP: 60 F Pc = 664.71 %
DEPTH OF ZONE: 6406 Foot Tc = 389.30

SURFACE PRES	BHP	Z	BHP/Z
psia	psia		psia
325	382	0.9577	399

Current pressure obtained after 5 day shut-in.

UNICAL CORPORATION
P. O. BOX 880
BLOOMFIELD, NEW MEXICO 87418

DATE 12-20-81

WELL NAME: RINCON UNIT NO. 192E
FORMATION: GALLUP
FIELD:
COUNTY: RIO ARriba
STATE: NEW MEXICO

TYPE TEST: STATIC GRADIENT

ELEVATION:
TOTAL DEPTH:
PERFORATIONS:
TUBING SIZE:
CASING SIZE:
PACKER:
OTHER:

CASING PRESSURE: 854 DWT
TUBING PRESSURE: 849 DWT
OIL LEVEL: NONE
WATER LEVEL: NONE
TEMPERATURE: 184 DEGREES @ 8653'
AMERADA ELEMENT NUMBER: 84856
RANGE: 0-4000

INDIVIDUAL WELL DATA SHEET

WELL STATUS: SHUT-IN

=====

STATIC GRADIENT TRAVERSE

DEPTH IN FEET	PRESSURE PSIG	GRADIENT PSI/FOOT
0	847	
1000	867	
2000	890	0.023
3000	910	0.020
4000	932	0.022
5000	952	0.020
6000	973	0.021
6253	978	0.020
8453	984	0.030
8653	989	0.025

H & H WIRELINE SERVICE
P. O. BOX 893
FLORA VISTA, N. MEX. 87418
OPERATOR: RICK BAIRD
UNIT NO. T-7

--BHPCALC--

Calculated BHP and Z-factor from surface shut-in pressure

TEST DATE: 12/22/97

WELL NAME : Rincon Unit 168 MV (Initial Pressure)

GAS GRAVITY: 0.69 % N2 0.28
CONDENSATE (YES=1): 1 % CO2 1.10 %
RESERVOIR TEMP: 140 F % H2S 0.00 %
SURFACE TEMP: 60 F Pc = 670.05 %
DEPTH OF ZONE: 5298 Foot Tc = 378.61

SURFACE PRES	BHP	Z	BHP/Z
Psia	psia		psia
810	932	0.8937	1,043

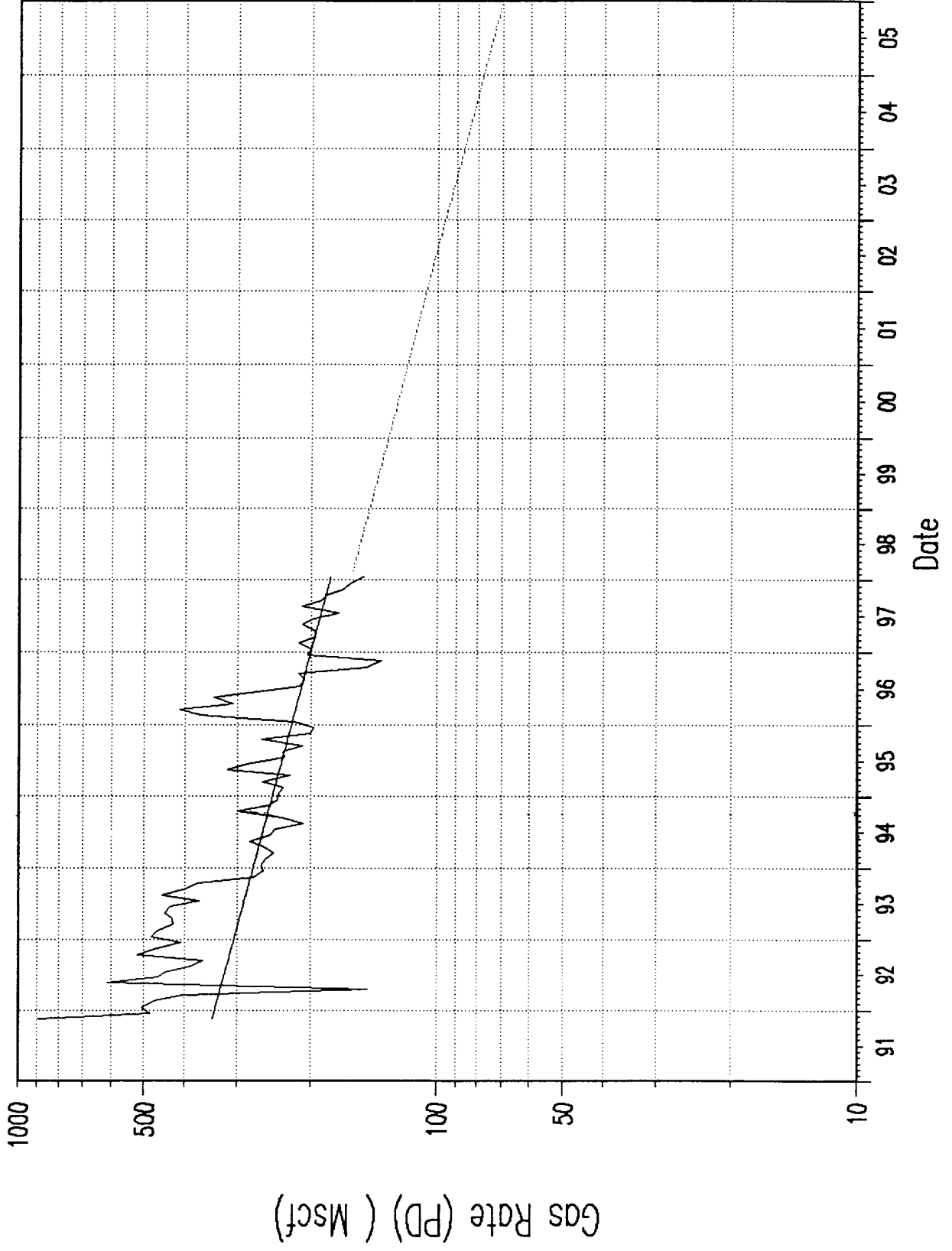
24 hr. Shut-in pressure obtained 12/22/97 after 5 day clean up and flow back period following MV stimulation treatment.

RU 192E DKGL Forecast

Well	RU 192E
Existing Completion Prior to DHC	DK/GL
Annual Decline	9.93%
Annual Decline Factor (Annual Decline/12)	0.8271
Average volume (Mcf) prior to DHC	4687
Average Yield (bbls/mcf) Oil	0.0034
Average Yield (bbls/mcf) Water	0.004
Volume Prior to DHC (Mcf)	
* Fixed allocation % for the Gallup determined by recent historical production	Months Nov - Feb 98
* Forecasted volumes to be adjusted for actual days on production	97 annual average
	97 annual average

Month	DK/GL Forecast (Mcf)	DK/GL Forecast (Bbls-Oil)	DK/GL Forecast (Bbls-Water)	GL Forecast (Mcf @ 25%)	GL Forecast (Bbls-Oil @ 40%)	
1	5390	18.3	21.6	1348	7.3	+ DK/GL flush volume
2	5156	17.5	20.6	1289	7.0	+ DK/GL flush volume
3	4833	16.4	19.3	1208	6.6	
4	4793	16.3	19.2	1198	6.5	
5	4753	16.2	19.0	1188	6.5	
6	4714	16.0	18.9	1179	6.4	
7	4675	15.9	18.7	1169	6.4	
8	4636	15.8	18.5	1159	6.3	
9	4598	15.6	18.4	1150	6.3	
10	4560	15.5	18.2	1140	6.2	
11	4522	15.4	18.1	1131	6.2	
12	4485	15.2	17.9	1121	6.1	
13	4448	15.1	17.8	1112	6.0	
14	4411	15.0	17.6	1103	6.0	
15	4375	14.9	17.5	1094	5.9	
16	4338	14.8	17.4	1085	5.9	
17	4302	14.6	17.2	1076	5.9	
18	4267	14.5	17.1	1067	5.8	
19	4232	14.4	16.9	1058	5.8	
20	4197	14.3	16.8	1049	5.7	
21	4162	14.2	16.6	1040	5.7	
22	4127	14.0	16.5	1032	5.6	
23	4093	13.9	16.4	1023	5.6	
24	4059	13.8	16.2	1015	5.5	

RINCON UNIT 192E
Dakota/Gallup



192E

Cum. Gas Production: 614606.00 Mscf
 Remaining Recoverable Gas Reserves: 524414.06 Mscf
 Ultimate Recoverable Gas Reserves: 1139020.06 Mscf

SCHEDULE 1

Qi: 304.84 Mscf
 Di: 0.008711
 Hyperbolic B: 0.0000
 Start Date: 1998/02
 Monthly Nominal Decline (Dn): 0.008711
 Monthly Effective Decline (De): 0.008673
 Yearly Effective Decline (De): 0.099255
 Initial Forecast Rate: 160.00 Mscf
 Economic Limit: 1.50 Mscf
 Cumulative Produced: 614606.00 Mscf
 Total Forecasted Reserves: 524414.06 Mscf
 Total Recovered Reserves: 1139020.06 Mscf

DATE	AVERAGE DAILY RATE Mscf	MONTHLY FORECAST PROD. Mscf	CUM. PROD. Mscf	REMAINING RECOV. RESERVES Mscf
1998/02	159.30	4460.53	619066.50	519953.53
1998/03	157.92	4895.65	623962.19	515057.88
1998/04	156.55	4696.63	628658.81	510361.25
1998/05	155.20	4811.05	633469.88	505550.19
1998/06	153.85	4615.50	638085.38	500934.72
1998/07	152.52	4727.97	642813.31	496206.75
1998/08	151.19	4686.97	647500.31	491519.75
1998/09	149.88	4496.47	651996.75	487023.31
1998/10	148.58	4606.01	656602.75	482417.28
1998/11	147.29	4418.80	661021.56	477998.50
1998/12	146.01	4526.45	665548.00	473472.03
1999/01	144.75	4487.20	670035.25	468984.84
1999/02	143.49	4017.84	674053.06	464967.00
1999/03	142.25	4409.71	678462.75	460557.28
1999/04	141.02	4230.46	682693.25	456326.81
1999/05	139.79	4333.52	687026.75	451993.31
1999/06	138.58	4157.42	691184.19	447835.88
1999/07	137.38	4258.70	695442.88	443577.19
1999/08	136.19	4221.77	699664.63	439355.44
1999/09	135.00	4050.12	703714.75	435305.31
1999/10	133.84	4148.90	707863.63	431156.41
1999/11	132.67	3980.17	711843.81	427176.25
1999/12	131.52	4077.22	715921.06	423099.00
2000/01	130.38	4041.81	719962.88	419057.19
2000/02	129.25	3748.29	723711.13	415308.91
2000/03	128.13	3972.02	727683.19	411336.91
2000/04	127.02	3810.56	731493.75	407526.34

2000/05

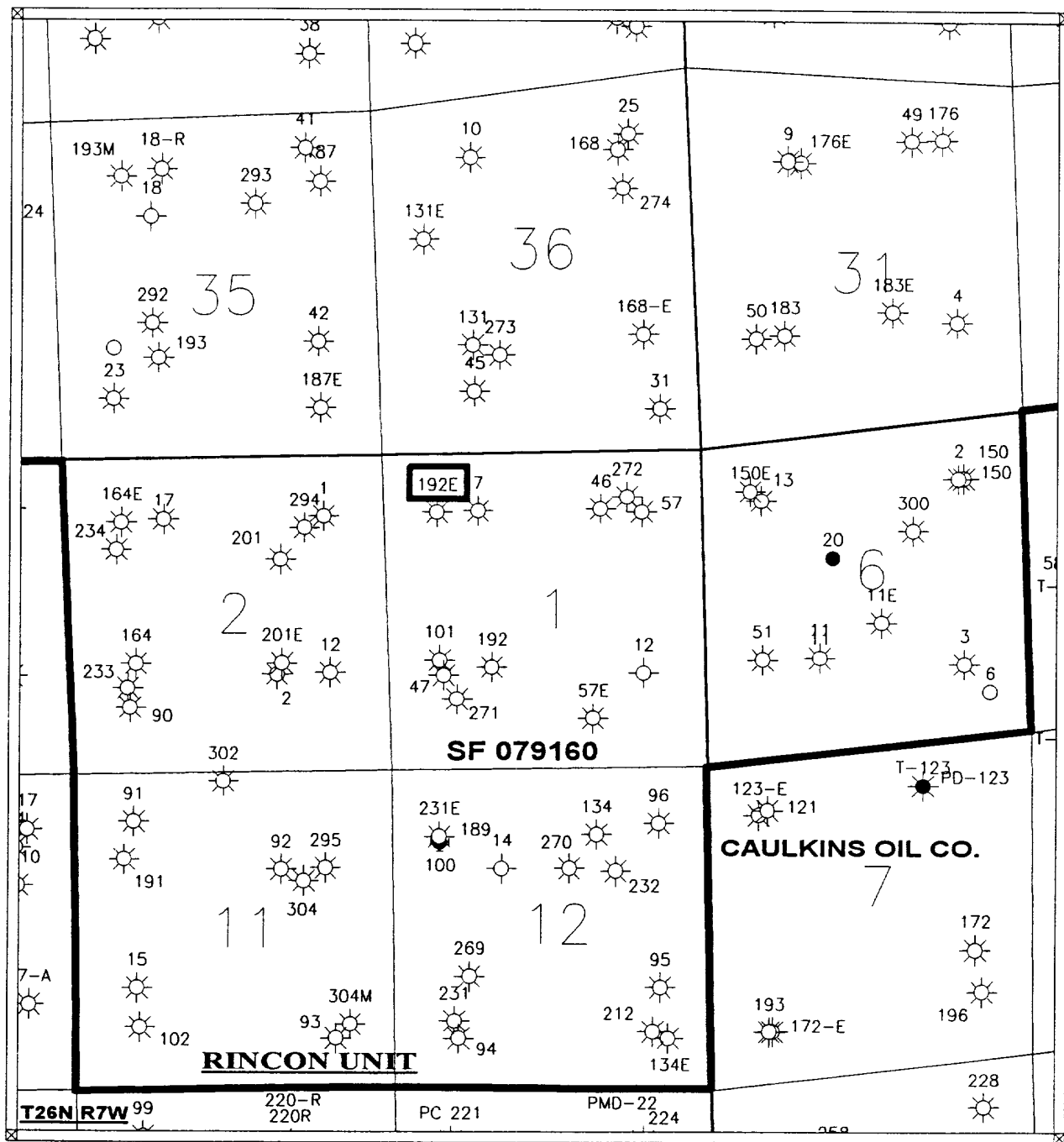
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3903.43

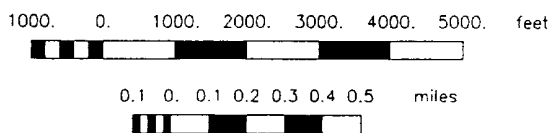
735397.13

403622.91

DATE	AVERAGE DAILY RATE Mscf	MONTHLY FORECAST PROD. Mscf	CUM. PROD. Mscf	REMAINING RECOV. RESERVES Mscf
2000/06	124.82	3744.75	739141.88	399878.16
2000/07	123.74	3836.01	742977.94	396042.16
2000/08	122.67	3802.73	746780.63	392239.44
2000/09	121.61	3648.16	750428.81	388591.25
2000/10	120.55	3737.06	754165.88	384854.19
2000/11	119.51	3585.14	757751.00	381269.06
2000/12	118.47	3672.52	761423.50	377596.56
2001/01	117.44	3640.67	765064.19	373955.88
2001/02	116.42	3259.81	768324.00	370696.06
2001/03	115.41	3577.81	771901.81	367118.25
2001/04	114.41	3432.34	775334.13	363685.91
2001/05	113.42	3515.98	778850.13	360169.94
2001/06	112.44	3373.06	782223.19	356796.88
2001/07	111.46	3455.28	785678.50	353341.56
2001/08	110.49	3425.28	789103.75	349916.31
2001/09	109.54	3286.06	792389.81	346630.25
2001/10	108.59	3366.14	795756.00	343264.09
2001/11	107.64	3229.31	798985.25	340034.78
2001/12	106.71	3307.98	802293.25	336726.81
2002/01	105.78	3279.33	805572.63	333447.47
2002/02	104.87	2936.25	808508.88	330511.22
2002/03	103.96	3222.69	811731.50	327288.53
2002/04	103.06	3091.69	814823.25	324196.84
2002/05	102.16	3166.98	817990.19	321029.88
2002/06	101.28	3038.27	821028.50	317991.59
2002/07	100.40	3112.34	824140.81	314879.25
2002/08	99.53	3085.33	827226.13	311793.94
2002/09	98.66	2959.89	830186.00	308834.03
2002/10	97.81	3032.03	833218.06	305802.00
2002/11	96.96	2908.78	836126.88	302893.22
2002/12	96.12	2979.67	839106.50	299913.56
2003/01	95.28	2953.81	842060.31	296959.75



Scale 1:31093.33



SPIRIT ENERGY 276 AN OIL COMPANY		
OFFSET DATA & LEASE RINCON UNIT NO. 192E OPERATOR: UNION OIL CO. OF CALIFORNIA		
Scale 1:31093.33		
Sandra M. Thomas	3/20/98	RU192E.GPF



New Name. Same Spirit.
A Business Unit of Unocal

March 20, 1998

Caulkins Oil Co.
P.O. Box 340
Bloomfield, NM 87413

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, Largo Gallup and Basin Dakota formations in the following Rincon Unit well, Rio Arriba County, New Mexico.

<u>Well</u>	<u>Lease</u>	<u>Legal Location</u>
192E	SF 079160	1020' FNL, 970' FWL, NW 1, T26N, R7W

If Caulkins, as an offset operator, has an objection to this proposal, please notify NMOCD within twenty days. If you have any questions regarding this application, please contact Tom Baier at 915/685-6836.

Sincerely,

Spirit Energy 76
A Business Unit of UNOCAL

A handwritten signature in black ink, appearing to read "Thomas E. Baier". The signature is fluid and cursive, written over a horizontal line.

Thomas E. Baier
Petroleum Engineer