

DISTRICT I
P.O.Box 1980, Hobbs, NM 88241-1980
DISTRICT II
P.O. Drawer DD, Artesia, NM 88211-0719
DISTRICT III
1000 Rio Brazos Rd, Aztec, NM 87410

State of New Mexico
Energy, Minerals and Natural Resources Department

RECEIVED
OIL CONSERVATION DIVISION
MAY 27 1999
Santa Fe, New Mexico 87504-2088

MAY 19 1999

Form C-107
Revised 4-1-91

Filing Instructions
Bottom of Page

APPLICATION FOR MULTIPLE COMPLETION

Operator Address
Conoco, Inc. 10 Desta Dr. 100 W Midland, TX 79705-4500
Lease Well No. Unit Ltr. - Sec - Twp - Rge County
San Juan 28-7 Unit #229E A 32 28N 7W Rio Arriba, NM

All applicants for multiple completion must complete Items 1 and 2 below.

1. The following facts are submitted:	Upper Zone	These Zone Downhole	2 zone Intermediate Zone	Lower Zone
a. Name of Pool and Formation	Basin Fruitland Coal	71629	Blanco Pictured Cliffs, South	Basin Dakota 71599
b. Top and Bottom of Pay Section (Perforations)	2398-2818'		2818-2969'	7073-7317'
c. Type of production (Oil or Gas)	Gas		Gas	Gas
d. Method of Production (Flowing or Artificial Lift)	Expected to Flow		Expected to Flow	Expected to Flow
e. Daily Production ☐ Actual ☒ Estimated Oil Bbls. Gas MCF Water Bbls.	150-250 MCFD		200-300 MCFD	450 MCFD 5 BOPD

(30-039-26206)

2. The following must be attached:
- Diagrammatic Sketch of the Multiple Completion, showing all casing strings, including diameters and setting depths, centralizers and/or turbolizers and location thereof, quantities used and top of cement, perforated intervals, tubing strings, including diameters and setting depth, location and type of packers and side door chokes, and such other information as may be pertinent.
 - Plat showing the location of all wells on applicant's lease, all offset wells on offset leases, and the names and addresses of operators of all leases offsetting applicant's lease.
 - Electrical log of the well or other acceptable log with tops and bottoms of producing zones and intervals of perforation indicated thereon. (If such log is not available at the time application is filed it shall be submitted as provided by Rule 112-A.)

OPERATOR:

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

Signature

Kay Maddox

Printed Name & Title Kay Maddox - Regulatory Agent

Date May 12, 1999 Telephone (915) 686-5798

OIL CONSERVATION DIVISION

5-24-99

Approved by:

Ernie Busch

DEPUTY OIL & GAS INSPECTOR, DIST. 30

Title:

Date:

MAY 20 1999

NOTE: If the proposed multiple completion will result in an unorthodox well location and/or a non-standard proration unit in one or more of the producing zones, then separate application for approval of the same should be filed simultaneously with this application.

FILING INSTRUCTIONS:

- 1) District Approval -- See rule 112-A-B -- Submit 4 copies of Form C-107 with attachments to appropriate district office.
- 2) Division Director Administrative Approval -- See Rule 112-C -- Submit 2 copies of Form C-107 with attachments to Division office in Santa Fe and 2 copies of Form C-107 with attachments to appropriate district office.
- 3) Multiple completions not qualifying for District or Division Director approval may be set for hearing as outlined in Rule 112-A-E.

X

District I
PO Box 1980, Hobbs, NM 88241-198

District II
PO Drawer DD, Artesia, NM 88211-071
District III
1000 Rio Brazos Rd. Aztec, NM 8741

District IV
PO Box 2088, Santa Fe, NM 87504-208

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	2 Pool Code 71599	3 Pool Name Basin Dakota
4 Property Code 016608	5 Property Name San Juan 28-7	6 Well Number #229E
7 OGRID No. 005073	8 Operator Name Conoco Inc., 10 Desta Drive, Ste. 100W, Midland, TX 79705-4500	9 Elevation 6256'

10 Surface Location

UL or lot no. A	Section 32	Township 28N	Range 7W	Lot Idn	Feet from the 790	North/South line North	Feet from the 855	East/West line East	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 320	13 Joint or Infill	14 Consolidation Code	15 Order No.
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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 hereby certify that the information contained herein is true and complete to the best of my knowledge and belief Signature Kay Maddox Printed Name Regulatory Agent Title May 11, 1999 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

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PO Drawer DD, Artesia, NM 88211-071

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1000 Rio Brazos Rd. Aztec, NM 8741

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☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-039	2 Pool Code 72359	3 Pool Name Blanco Pictured Cliffs <i>South</i>
4 Property Code 016608	5 Property Name San Juan 28-7	6 Well Number #229E
7 OGRID No. 005073	8 Operator Name Conoco Inc., 10 Desta Drive, Ste. 100W, Midland, TX 79705-4500	9 Elevation 6256'

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
A	32	28N	7W		790	North	855	East	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 RECEIVED MAY 21 1999 OIL CON. DIV. DIST. 3	790' 855'			17 OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief <i>Kay Maddox</i> Signature Kay Maddox Printed Name Regulatory Agent Title May 11, 1999 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

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1000 Rio Brazos Rd. Aztec, NM 8741

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State of New Mexico
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION

PO Box 2088
Santa Fe, NM 87504-2088

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Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-039		2 Pool Code 71629		3 Pool Name Basin Fruitland Coal	
4 Property Code 016608		5 Property Name San Juan 28-7			6 Well Number #229E
7 OGRID No. 005073		8 Operator Name Conoco Inc., 10 Desta Drive, Ste. 100W, Midland, TX 79705-4500			9 Elevation 6256'

10 Surface Location

UL or lot no. A	Section 32	Township 28N	Range 7W	Lot Idn	Feet from the 790	North/South line North	Feet from the 855	East/West line East	County Rio Arriba
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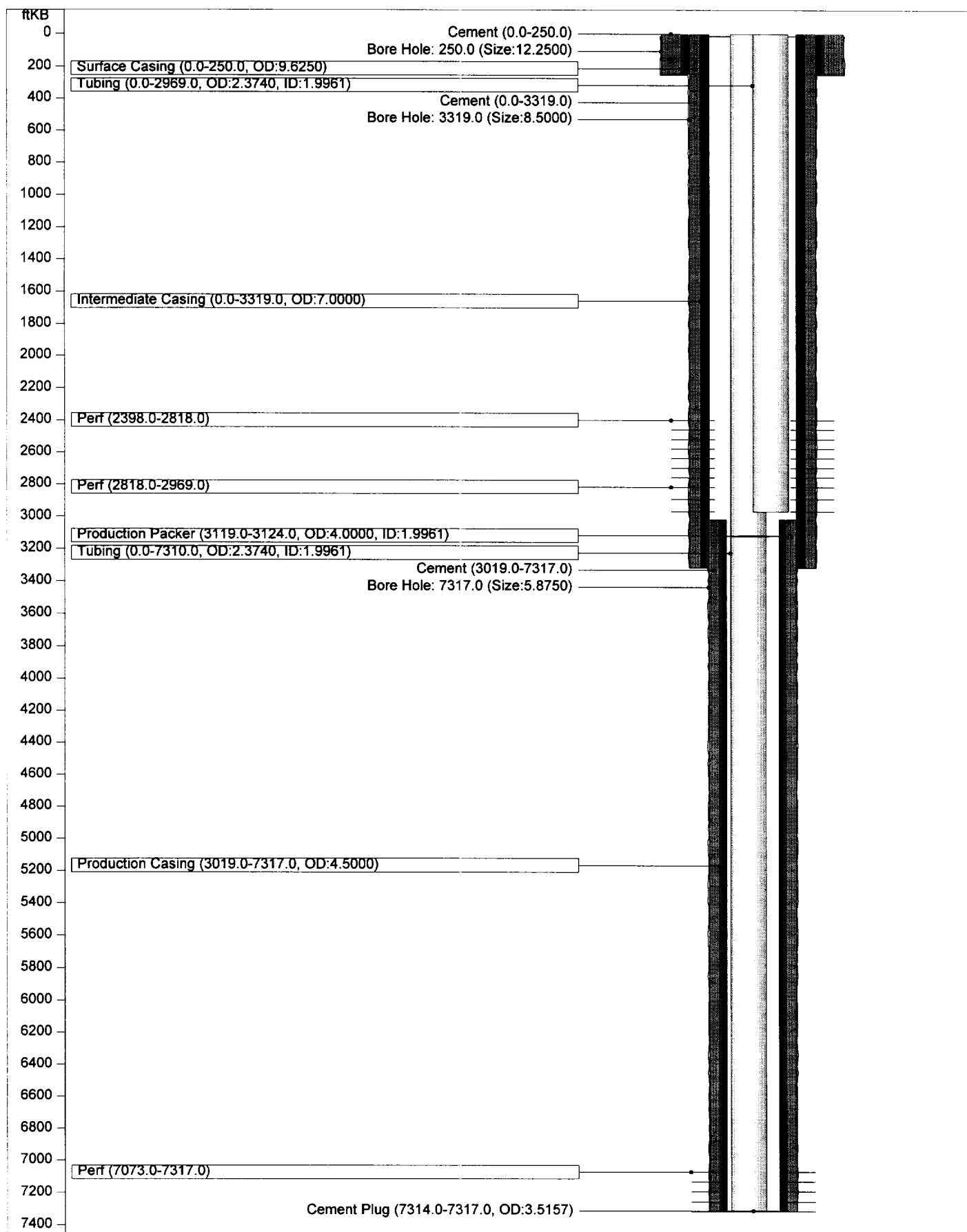
11 Bottom Hole Location If Different From Surface

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	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					17 OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief Signature Kay Maddox Printed Name Regulatory Agent Title May 11, 1999 Date	
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					Certificate Number	

SAN JUAN 28-7 UNIT 229E PROPOSED DRW



SAN JUAN 28-7 UNIT 229E PROPOSED DRW

SAN JUAN 28-7 UNIT 229E PROPOSED DRW

API Code	TO BE ASSIGNED	Field Code	
TD	7317.0 ftKB	Basin	SAN JUAN
PBTD	7314.0 ftKB	Basin Code	
State	NEW MEXICO	Permit	
County	RIO ARRIBA	Spud	
District		Finish Drl	
Permit No.		Completion	
TD Measured	7317	Abandon	
Reservoir	FC/PC & DK		
Field			

Location

Meridian		Top Latitude	0
Township	28N	Top Longitude	0
Range	7W	Top NS Distance	790.0 ft N
Section	32	Top EW Distance	855.0 ft E
Quarter	Ltr Unit (A)	Bottom Latitude	0
		Bottom Longitude	0
		Btm NS Distance	0.0 ft
		Btm EW Distance	0.0 ft

Elevations

KB	6270.0 ft	Cas Flng	0.0 ft
Grd	6257.0 ft	Tub Head	0.0 ft
KB-Grd	13.0 ft		

Bore Hole Data

Depth (ftKB)	Size (in)
250.0	12.2500
3319.0	8.5000
7317.0	5.8750

Casing String - Surface Casing

Item (in)	Btm (ftKB)	Jnts	ID	Wt	Grd	Thd	Comments
9.6250 in Surface Casing	250.0		0.0000	0.00			

Casing String - Intermediate Casing

Item (in)	Btm (ftKB)	Jnts	ID	Wt	Grd	Thd	Comments
7.0000 in Intermediate Casing	3319.0		0.0000	0.00			

Casing String - Production Casing

Item (in)	Btm (ftKB)	Jnts	ID	Wt	Grd	Thd	Comments
4.5000 in Production Casing	7317.0		0.0000	0.00			

Casing Cement

Casing String	Top (ftKB)	Amount (sx)	Comments
Intermediate Casing	0.0	0	circ to surface
Surface Casing	0.0	0	circ to surface
Production Casing	3019.0	0	circulated to top of liner

Other (plugs, equip., etc.) - Plug Back

Date	Item	Int (ftKB)	Comments
12-May-99	Cement Plug	7314.0 - 7317.0	

Perforations

Date	Int	Shots (/ft)	Type	Comments
13-May-99	2398.0 - 2818.0	0.0		
14-May-99	2818.0 - 2969.0	0.0		
15-May-99	7073.0 - 7317.0	0.0		

Tubing String - Primary Tubing

Item (in)	Top (ftKB)	Len (ft)	Jnts	ID (in)	Wt	Grd	Thd	Comments
2.3740 in Tubing	0.0	7310.0		1.9961	4.70	J-55	8 rd	

Tubing String - Production Packer

Item (in)	Top (ftKB)	Len (ft)	Jnts	ID (in)	Wt	Grd	Thd	Comments
4.0000 in Production Packer	3119.0	5.0		1.9961	0.00			

Tubing String - Secondary Tubing

Item (in)	Top (ftKB)	Len (ft)	Jnts	ID (in)	Wt	Grd	Thd	Comments
2.3740 in Tubing	0.0	2969.0		1.9961	4.70	J-55	8 rd	

SAN JUAN 28-7 UNIT 229E PROPOSED DRW

SAN JUAN 28-7 UNIT 229E PROPOSED DRW			
API Code	TO BE ASSIGNED		Field Code
TD	7317.0 ftKB	Basin	SAN JUAN
PBTD	7314.0 ftKB	Basin Code	
State	NEW MEXICO	Permit	
County	RIO ARRIBA	Spud	
District		Finish Drl	
Permit No.		Completion	
TD Measured	7317	Abandon	
Reservoir	FC/PC & DK		
Field			
Event History			
Date	Event	Description	
15-May-99	Perf	7073.0 - 7317.0ftKB, 0.0/ft	
14-May-99	Perf	2818.0 - 2969.0ftKB, 0.0/ft	
13-May-99	Perf	2398.0 - 2818.0ftKB, 0.0/ft	
12-May-99	Other Run	Cement Plug, 7314.0 - 7317.0ftKB, OD: 3.5157in	
12-May-99	Cas Run	4.5000 in Production Casing, ID: 0.0000in	
12-May-99	Cas Run	7.0000 in Intermediate Casing, ID: 0.0000in	
12-May-99	Cas Run	9.6250 in Surface Casing, ID: 0.0000in	
Events Without Dates			
Event		Description	
Bore Hole		12.2500in, Depth 250.0ftKB, 8.5000in, Depth 3319.0ftKB, 5.8750in, Depth 7317.0ftKB	
Cas Cmnt		Intermediate Casing, Top Found At 0.0ftKB, With 0sx, Surface Casing, Top Found At 0.0ftKB, With 0sx, Production Casing, Top Found At 3019.0ftKB, With 0sx	
Tub Run		2.3740 in Tubing, ID: 1.9961in, 4.0000 in Production Packer, ID: 1.9961in, 2.3740 in Tubing, ID: 1.9961in	

San Juan 28-7 Unit # 229E
Section 32, T-28-N, R-7-W, A
790' FNL & 855' FEL
Rio Arriba, NM

RE: Dual Application (C107)

Notification of Offset Operators:

Conoco, Inc is the only offset operator to this well. It is interior in the San Juan 28-7 unit.

DISTRICT I
P.O. Box 1980, Hobbs, NM 88241 1980

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-107-A
New 3-12-96

DISTRICT II
811 South First St. Artesia NM 86210 2835

OIL CONSERVATION DIVISION

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

APPROVAL PROCESS:

☒ Administrative ☐ Hearing

DISTRICT III
1000 Rio Brazos Rd. Aztec, NM 87410 1693

APPLICATION FOR DOWNHOLE COMMINGLING

EXISTING WELLBORE

☐ YES ☒ NO

Conoco Inc.

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

Operator

Address

San Juan 28-7 Unit

#229E

Section 32, T-28-N, R-7-W-A

Rio Arriba, NM

Lease

Well No

Unit Ltr Sec Twp Rge

County

OGRID NO. 005073

Property Code

API NO.

30-039-

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	Basin Fruitland Coal 71629		Blanco Pictured Cliffs, 72439 South
2. TOP and Bottom of Pay Section (Perforations)	2398-2818'		2818-2969'
3. Type of production (Oil or Gas)	Gas		Gas
4. Method of Production (Flowing or Artificial Lift)	Expected to Flow		Expected to Flow
5. Bottomhole Pressure	a. (Current) 432	a.	a. 360
Oil Zones - Artificial Lift: Gas & Oil - Flowing: Estimated Current Measured Current	b. (Original) 1167	b.	b. 1119
All Gas Zones: Estimated Or Measured Original	1045		1189
6. Oil Gravity (*API) or Gas BT Content			
7. Producing or Shut-In?	To Be completed		To Be completed
Production Marginal? (yes or no)	Expected to be		Expected to be
• If Shut-In give date and oil/gas/water rates of last production	Date Rates	Date Rates	Date Rates
Note For new zones with no production history applicant shall be required to attach production estimates and supporting data			
• If Producing, date and oil/gas/water rates of recent test (within 60 days)	Date Rates Expected IP 150-250 MCFD Allocation by test upon completion	Date Rates	Date Rates Expected IP 200-300 MCFD Allocation by test upon completion
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?

X 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?

X Yes No

11. Will cross-flow occur? X 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. X Yes No (If No, attach explanation)

12. Are all produced fluids from all commingled zones compatible with each others

X Yes No

13. Will the value of production be decreased by commingling?

Yes X 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. X Yes No

15. NMOCD Reference Cases for Rule 303(D) Exceptions

ORDER NO(S) 229E

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

May 11, 1999

TYPE OR PRINT NAME Kay Maddox

TELEPHONE NO.

(915)

686-5798

PROPOSED WELL PLAN OUTLINE

WELL NAME **SJ 28-7 UNIT No. 229E**

EST. GL = 6257

EST. KB = 6270

LOCATION: 790' FNL, 855' FEL, SEC 32, T-28N, R-7W, RIO ARRIBA CO., NM

TVD IN 1000	MD	FORMATION TOPS & TYPE	DRILLING PROBLEMS	TYPE OF FORMATION EVALUATION	HOLE SIZE	CASING SIZE DEPTH	FRAC GRAD. psi/ft	FORMATION PRESSURE PSI	MUD WT TYPE	DAYS
0					12-1/4"	9-5/8" 360 K-55 ST&C @ 250' CIRC CMT		NORMAL	8.4 - 8.80 SPUD MUD	1
1					8-3/4"				8.4 - 9.00 GEL/WATER MAINTAIN MW AS LOW AS POSSIBLE	
2		OJAM @ 1900' KRLD @ 2084' FRLD @ 2398'	POSSIBLE WATERFLOW POSSIBLE GAS FLOW					432 PSI	CONTROL FLUID LOSS PRIOR TO OJAM	
3		PCCF @ 2818' LEWS @ 2960'	POSSIBLE LOST RETURNS POSSIBLE DIFFERENTIAL STICKING		8-3/4"	7" 200 K-55 LTC @ 3319'		360 PSI		4
4		CHRA @ 3769'			8-1/4"	CIRC CMT		400 PSI	AIR/AIR MIST/AERATED WATER	
5		CLFHMV @ 4475' MENF @ 4591'	PROBABLE LOST RETURNS IF FLUID IN HOLE				0.5	457 PSI		
6		PTLK @ 5044' MNCS @ 5441'								
7		GLLP @ 6229'								
8		GRHN @ 6970' GRRS DKOT @ 7021' PAGU @ 7189'	POSSIBLE WATERFLOW POSSIBLE OVERPRESSURE IN DEEP DAKOTA	CASED HOLE LOGS	6-1/4"	4-1/2" 9.50 K-55 STC 3019'-7317'	0.5	713 PSI	AIR/AIR MIST/AERATED WATER	3
		T.O. @ 7317'				CEMENT TO TOP OF LINER @ 3019'		BHT = 175 deg F		
		NOTE: PERMIT TO 7617'								

DATE 12/07/98

APPROVALS

PREPARED:

Ricky Joyce
DRILLING ENGINEER

RES. ENGINEER

PROD. ENGINEER

12/07/98

GEOLOGIST

DRILLING MGR.

3:19 PM

15	5280.00' 5200.80' 32	5280.00' 5200.80' 32
	5280.00' 5200.80' 32	5280.00' 5200.80' 32
	5280.00' 5200.80' 32	5280.00' 5200.80' 32

17 OPERATOR CERTIFICATION

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

Signature

Mike L. Mankin

Printed Name

Right-Of-Way Agent

Title

1-26-99

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

OCTOBER 21 1998

Date of Survey

Signature and Seal of Professional Surveyor

OCTOBER 21 1998

Date of Survey

Signature and Seal of Professional Surveyor

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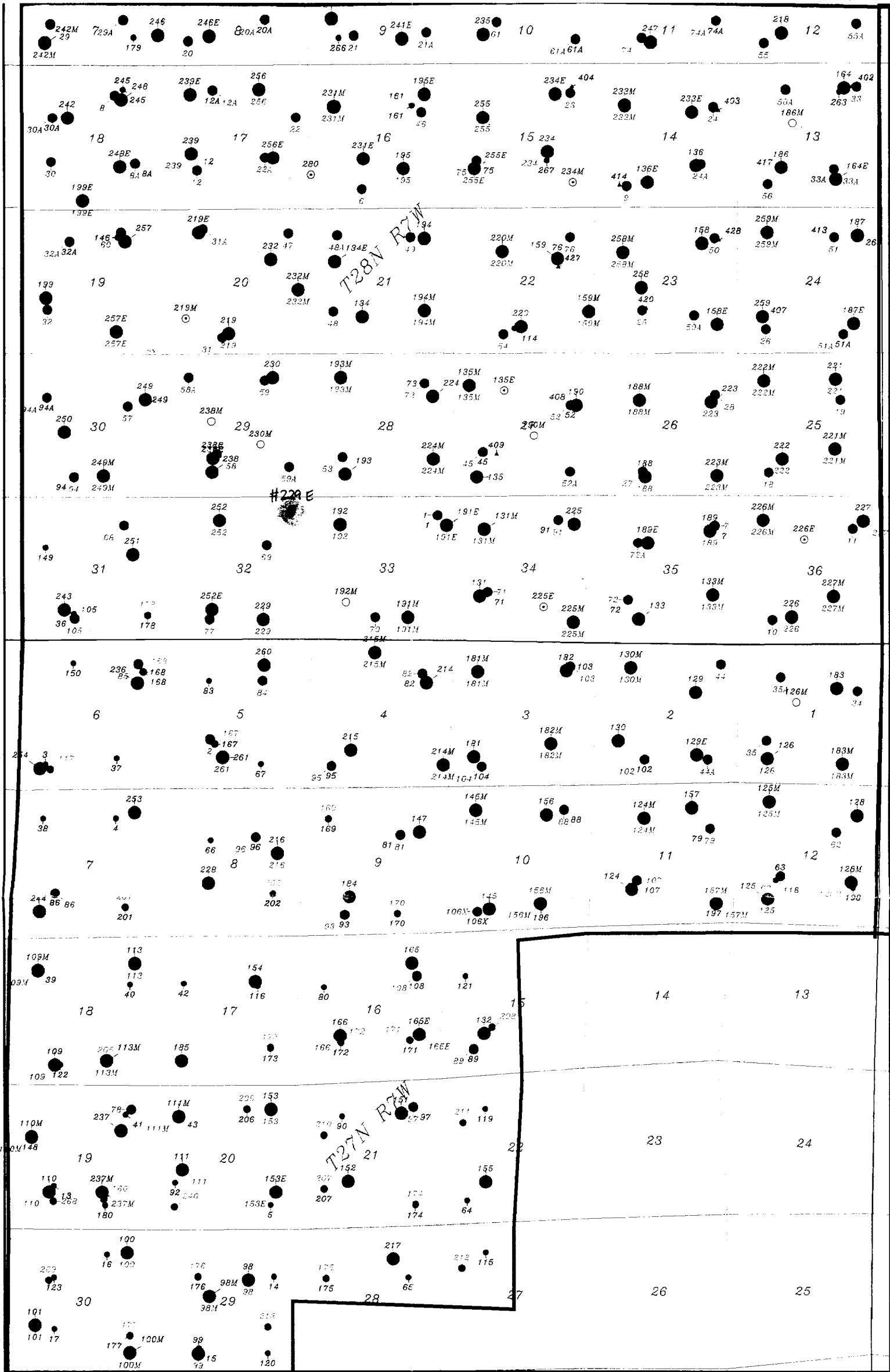
OCTOBER 21 1998

Date of Survey

Signature and Seal of Professional Surveyor

26-Mar-1999 14:53

sjb28726145309 mer onpa



Symbol Key

- Dakota
- Mesaverde
- Chacra
- Pictured Cliff
- ▲ Fruitland Coal
- ⊙ 100/100 acre
- 100MV/160DK acre

CONOCO

SAN JUAN 28-7 UNIT
CONOCO OPERATED UNIT
NAD 27 STATE PLANE
NEW MEXICO WEST

SCALE 1:48000
DATE 15-JAN-95
NEW287-1998.D3F

1:48000
FEET 0 5000 FEET
STATUTE MILES 0 .5 1.0 STATUTE MILES

26-Mar-1999 14:53

sjb28726145309 mer onpa