

February 21, 2003

Bureau of Land Management  
Farmington Resource Area  
1235 La Plata Highway  
Farmington, NM 87401

Oil Conservation Division  
State of New Mexico  
1220 S. Saint Francis Drive  
Santa Fe, NM 87505-4000

**RE: 2003 Plan of Development  
SAN JUAN 28-5 UNIT 14-08-001-949  
RIO ARRIBA COUNTY, NEW MEXICO**

Ladies and Gentlemen:

The following Participating Areas currently exist in the SAN JUAN 28-5 UNIT:

FORMATION	EXPANSION	EFFECTIVE DATE
DAKOTA	021	01-Oct-99
FRUITLAND COAL	000	14-Oct-89
MESAVERDE	028	01-Nov-98
PICTURED CLIFFS	001	01-May-81

The 2002 Plan of Development (or amendments thereto) provided for the following activity:

WELL NAME	FORMATION	TYPE	DEDICATION	STATUS
SAN JUAN 28-5 UNIT 33M	MESAVERDE	NewDrill - Commingle	S2 17-028N-005W	WOC
SAN JUAN 28-5 UNIT 33M	DAKOTA	NewDrill - Commingle	S2 17-028N-005W	WOC
SAN JUAN 28-5 UNIT 62M	MESAVERDE	NewDrill - Commingle	N2 31-028N-005W	Carryover
SAN JUAN 28-5 UNIT 62M	DAKOTA	NewDrill - Commingle	N2 31-028N-005W	Carryover
SAN JUAN 28-5 UNIT 65N	MESAVERDE	NewDrill - Commingle	S2 28-028N-005W	Completed
SAN JUAN 28-5 UNIT 65N	DAKOTA	NewDrill - Commingle	S2 28-028N-005W	Completed
SAN JUAN 28-5 UNIT 71N	MESAVERDE	NewDrill - Commingle	N2 34-028N-005W	Completed
SAN JUAN 28-5 UNIT 71N	DAKOTA	NewDrill - Commingle	NSP 34-028N-005W	Completed
SAN JUAN 28-5 UNIT 72N	MESAVERDE	NewDrill - Commingle	N2 35-028N-005W	Completed
SAN JUAN 28-5 UNIT 72N	DAKOTA	NewDrill - Commingle	NSP 35-028N-005W	Completed
SAN JUAN 28-5 UNIT 80M	MESAVERDE	NewDrill - Commingle	N2 26-028N-005W	Cancelled
SAN JUAN 28-5 UNIT 80M	DAKOTA	NewDrill - Commingle	N2 26-028N-005W	Cancelled

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SAN JUAN 28-5 UNIT 81M	MESAVERDE	NewDrill - Commingle	S2 26-028N-005W	Cancelled
SAN JUAN 28-5 UNIT 81M	DAKOTA	NewDrill - Commingle	S2 26-028N-005W	Cancelled
SAN JUAN 28-5 UNIT 82M	DAKOTA	NewDrill - Commingle	W2 22-028N-005W	WOC
SAN JUAN 28-5 UNIT 82M	MESAVERDE	NewDrill - Commingle	N2 22-028N-005W	WOC
SAN JUAN 28-5 UNIT 86N	MESAVERDE	NewDrill - Commingle	S2 23-028N-005W	WOC
SAN JUAN 28-5 UNIT 86N	DAKOTA	NewDrill - Commingle	W2 23-028N-005W	WOC

Pursuant to Section 10 of the SAN JUAN 28-5 UNIT Agreement, Burlington Resources Oil & Gas Company LP, as Unit Operator, hereby submits the 2003 Plan of Development as follows:

WELL NAME	FORMATION	TYPE	DEDICATION
SAN JUAN 28-5 UNIT 62M	MESAVERDE	NewDrill - Commingle	N2 31-028N-005W
SAN JUAN 28-5 UNIT 62M	DAKOTA	NewDrill - Commingle	N2 31-028N-005W
SAN JUAN 28-5 UNIT 75M	MESAVERDE	NewDrill - Commingle	N2 17-028N-005W
SAN JUAN 28-5 UNIT 75M	DAKOTA	NewDrill - Commingle	N2 17-028N-005W

The following is a well listing for wells in SAN JUAN 28-5 UNIT and the current status our system contains for the well.

WELL NAME	FORM	LEGAL DESC	REASON	FLAG
SAN JUAN 28-5 UNIT 101M	DAKOTA	W2 013-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 101M	MESAVERDE	N2 013-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 102E	DAKOTA	NSP 012-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 102E	MESAVERDE	S2 012-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 103M	MESAVERDE	S2 023-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 103M	DAKOTA	E2 023-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 33	MESAVERDE	S2 017-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 33	DAKOTA	S2 017-028N-005W	Shut-in	Commingle
SAN JUAN 28-5 UNIT 33M	MESAVERDE	S2 017-028N-005W	WOC	Commingle
SAN JUAN 28-5 UNIT 33M	DAKOTA	S2 017-028N-005W	WOC	Commingle
SAN JUAN 28-5 UNIT 34	MESAVERDE	S2 018-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 34	DAKOTA	S2 018-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 35	MESAVERDE	S2 019-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 35	DAKOTA	S2 019-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 35M	MESAVERDE	S2 019-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 35M	DAKOTA	S2 019-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 41	MESAVERDE	N2 032-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 41	DAKOTA	N2 032-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 41M	MESAVERDE	N2 032-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 41M	DAKOTA	N2 032-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 42	DAKOTA	S2 031-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 42	MESAVERDE	S2 031-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 42M	DAKOTA	S2 031-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 42M	MESAVERDE	S2 031-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 44	MESAVERDE	S2 027-028N-005W	Active	Commingle

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SAN JUAN 28-5 UNIT 44	DAKOTA	S2 027-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 45M	MESAVERDE	N2 036-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 45M	DAKOTA	NSP 036-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 54E	DAKOTA	W2 020-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 54E	GALLUP	NW4 020-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 56M	DAKOTA	S2 032-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 56M	MESAVERDE	S2 032-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 57M	MESAVERDE	N2 019-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 57M	DAKOTA	N2 019-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 58M	MESAVERDE	S2 030-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 58M	DAKOTA	S2 030-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 59M	MESAVERDE	N2 030-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 59M	DAKOTA	N2 030-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 60M	MESAVERDE	N2 029-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 60M	DAKOTA	N2 029-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 61	DAKOTA	N2 018-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 61	MESAVERDE	N2 018-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 61E	DAKOTA	N2 018-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 61E	GALLUP	NW4 018-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 62	DAKOTA	N2 031-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 62	MESAVERDE	N2 031-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 62M	DAKOTA	N2 031-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 62M	MESAVERDE	N2 031-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 63E	DAKOTA	E2 020-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 63E	GALLUP	SE4 020-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 64M	MESAVERDE	N2 028-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 64M	DAKOTA	N2 028-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 65M	MESAVERDE	S2 028-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 65M	DAKOTA	S2 028-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 65N	MESAVERDE	S2 028-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 65N	DAKOTA	S2 028-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 66M	MESAVERDE	S2 029-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 66M	DAKOTA	S2 029-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 68M	MESAVERDE	N2 033-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 68M	DAKOTA	W2 033-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 69M	DAKOTA	E2 033-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 69M	MESAVERDE	S2 033-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 70M	DAKOTA	W2 034-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 70M	MESAVERDE	N2 034-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 71M	DAKOTA	NSP 034-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 71M	MESAVERDE	S2 034-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 71N	MESAVERDE	N2 034-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 71N	DAKOTA	NSP 034-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 72M	MESAVERDE	N2 035-028N-005W	Active	Commingle

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SAN JUAN 28-5 UNIT 72M	DAKOTA	NSP 035-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 72N	MESAVERDE	N2 035-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 72N	DAKOTA	NSP 035-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 73M	DAKOTA	NSP 035-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 73M	MESAVERDE	S2 035-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 75	DAKOTA	N2 017-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 75	GALLUP	NE4 017-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 76	DAKOTA	N2 021-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 76	MESAVERDE	N2 021-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 76M	MESAVERDE	N2 021-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 76M	DAKOTA	N2 021-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 77M	MESAVERDE	N2 027-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 77M	DAKOTA	N2 027-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 78	DAKOTA	W2 025-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 78	MESAVERDE	S2 025-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 78M	MESAVERDE	N2 025-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 78M	DAKOTA	W2 025-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 82	DAKOTA	W2 022-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 82	GALLUP	SW4 022-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 82M	DAKOTA	W2 022-028N-005W	WOC	Commingle
SAN JUAN 28-5 UNIT 82M	MESAVERDE	N2 022-028N-005W	WOC	Commingle
SAN JUAN 28-5 UNIT 83M	DAKOTA	W2 016-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 83M	MESAVERDE	N2 016-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 84E	MESAVERDE	S2 016-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 84E	DAKOTA	E2 016-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 85	DAKOTA	NSP 008-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 85	MESAVERDE	S2 008-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 86M	MESAVERDE	N2 023-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 86M	DAKOTA	W2 023-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 86N	MESAVERDE	S2 023-028N-005W	WOC	Commingle
SAN JUAN 28-5 UNIT 86N	DAKOTA	W2 023-028N-005W	WOC	Commingle
SAN JUAN 28-5 UNIT 88M	MESAVERDE	W2 015-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 88M	DAKOTA	W2 015-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 89E	DAKOTA	NSP 009-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 89E	MESAVERDE	S2 009-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 91M	DAKOTA	W2 014-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 91M	MESAVERDE	N2 014-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 92M	MESAVERDE	N2 024-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 92M	DAKOTA	W2 024-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 93M	DAKOTA	E2 015-028N-005W	T&A	Commingle
SAN JUAN 28-5 UNIT 93M	MESAVERDE	S2 015-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 94	MESAVERDE	S2 025-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 94	DAKOTA	NSP 025-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 97M	DAKOTA	E2 014-028N-005W	Active	Commingle



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SAN JUAN 28-5 UNIT 97M	MESAVERDE	S2	014-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 98M	MESAVERDE	S2	013-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 98M	DAKOTA	NSP	013-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT NP 200	FRUITLAND COAL	N2	014-028N-005W	Shut-in	Commingle
SAN JUAN 28-5 UNIT NP 200	PICTURED CLIFFS	N2	014-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT NP 211	FRUITLAND COAL	S2	013-028N-005W	Shut-in	Commingle
SAN JUAN 28-5 UNIT NP 211	PICTURED CLIFFS	S2	013-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT NP 212	PICTURED CLIFFS	S2	015-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT NP 212	FRUITLAND COAL	S2	015-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT NP 227	FRUITLAND COAL	S2	011-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT NP 227	PICTURED CLIFFS	SW4	011-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT NP 228	FRUITLAND COAL	N2	024-028N-005W	Shut-in	Commingle
SAN JUAN 28-5 UNIT NP 228	PICTURED CLIFFS	N2	024-028N-005W	Shut-in	Commingle
SAN JUAN 28-5 UNIT NP 229	FRUITLAND COAL	S2	027-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT NP 229	PICTURED CLIFFS	S2	027-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT NP 230	FRUITLAND COAL	N2	025-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT NP 230	PICTURED CLIFFS	N2	025-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT NP 232	FRUITLAND COAL	S2	024-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT NP 232	PICTURED CLIFFS	S2	024-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT NP 235	FRUITLAND COAL	S2	028-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT NP 235	PICTURED CLIFFS	S2	028-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT NP 236	FRUITLAND COAL	S2	026-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT NP 236	PICTURED CLIFFS	S2	026-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT NP 240	FRUITLAND COAL	N2	032-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT NP 240	PICTURED CLIFFS	N2	032-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT NP 242	FRUITLAND COAL	S2	012-028N-005W	P&A	Commingle
SAN JUAN 28-5 UNIT NP 242	PICTURED CLIFFS	S2	012-028N-005W	P&A	Commingle
				Commingle	140
				Count	
SAN JUAN 28-5 UNIT 29A	PICTURED CLIFFS	N2	018-028N-005W	Active	Dual
SAN JUAN 28-5 UNIT 29A	MESAVERDE	N2	018-028N-005W	Active	Dual
SAN JUAN 28-5 UNIT 38A	PICTURED CLIFFS	S2	032-028N-005W	Active	Dual
SAN JUAN 28-5 UNIT 38A	MESAVERDE	S2	032-028N-005W	Active	Dual
SAN JUAN 28-5 UNIT 51A	PICTURED CLIFFS	N2	031-028N-005W	Active	Dual
SAN JUAN 28-5 UNIT 51A	MESAVERDE	N2	031-028N-005W	Active	Dual
SAN JUAN 28-5 UNIT 67M	MESAVERDE	S2	021-028N-005W	Active	Dual
SAN JUAN 28-5 UNIT 67M	DAKOTA	S2	021-028N-005W	Active	Dual
				Dual Count	8
SAN JUAN 28-5 UNIT 1	MESAVERDE	N2	029-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 10	MESAVERDE	S2	015-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 101	DAKOTA	W2	013-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 102	DAKOTA	NSP	011-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 103	DAKOTA	E2	023-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 107	MESAVERDE	S2	012-028N-005W	Active	Single

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SAN JUAN 28-5 UNIT 11	MESAVERDE	S2	033-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 11A	MESAVERDE	S2	033-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 12	MESAVERDE	S2	007-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 12A	MESAVERDE	S2	007-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 13	MESAVERDE	S2	009-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 14	MESAVERDE	N2	020-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 14A	MESAVERDE	N2	020-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 15	MESAVERDE	S2	034-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 15A	MESAVERDE	S2	034-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 16	MESAVERDE	N2	016-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 17	MESAVERDE	S2	020-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 17A	MESAVERDE	S2	020-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 18	MESAVERDE	S2	011-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 18A	MESAVERDE	S2	011-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 19	MESAVERDE	S2	010-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 19A	MESAVERDE	S2	010-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 2	MESAVERDE	S2	014-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 20	MESAVERDE	S2	030-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 201S	FRUITLAND COAL	N2	015-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 202	FRUITLAND COAL	N2	016-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 21	MESAVERDE	S2	035-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 22	MESAVERDE	S2	021-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 23	MESAVERDE	N2	028-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 23B	MESAVERDE	N2	028-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 24	MESAVERDE	N2	034-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 245	FRUITLAND COAL	N2	022-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 25	MESAVERDE	S2	013-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 26	MESAVERDE	N2	014-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 27	MESAVERDE	N2	015-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 28	MESAVERDE	N2	017-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 28A	MESAVERDE	N2	017-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 29	MESAVERDE	N2	018-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 30	MESAVERDE	N2	022-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 30A	MESAVERDE	N2	022-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 31	MESAVERDE	N2	013-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 32	MESAVERDE	N2	030-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 33A	MESAVERDE	S2	017-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 34A	MESAVERDE	S2	018-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 34E	DAKOTA	S2	018-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 36	MESAVERDE	N2	026-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 37	MESAVERDE	S2	024-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 38	MESAVERDE	S2	032-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 39	MESAVERDE	N2	024-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 4	MESAVERDE	N2	019-028N-005W	P&A	Single

San Juan 28-5 Unit  
 2003 Plan of Development  
 February 21, 2003

SAN JUAN 28-5 UNIT 40	MESAVERDE	N2 027-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 43	MESAVERDE	S2 025-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 44A	MESAVERDE	S2 027-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 45	DAKOTA	NSP 036-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 46	MESAVERDE	N2 025-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 47	MESAVERDE	N2 036-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 48	MESAVERDE	S2 022-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 48A	MESAVERDE	S2 022-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 49	MESAVERDE	N2 023-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 4R	MESAVERDE	N2 019-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 50	MESAVERDE	S2 028-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 51	MESAVERDE	N2 031-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 52	MESAVERDE	N2 033-028N-005W	P&A	Single
SAN JUAN 28-5 UNIT 52R	MESAVERDE	N2 033-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 53	MESAVERDE	N2 035-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 54	DAKOTA	W2 020-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 55	MESAVERDE	S2 023-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 56	DAKOTA	S2 032-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 57	DAKOTA	N2 019-028N-005W	P&A	Single
SAN JUAN 28-5 UNIT 58	DAKOTA	S2 030-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 59	DAKOTA	N2 030-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 6	MESAVERDE	S2 016-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 60	DAKOTA	N2 029-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 63	DAKOTA	E2 020-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 64	DAKOTA	N2 028-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 65	DAKOTA	S2 028-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 66	DAKOTA	S2 029-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 67	DAKOTA	S2 021-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 68	DAKOTA	W2 033-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 69	DAKOTA	E2 033-028N-005W	P&A	Single
SAN JUAN 28-5 UNIT 7	MESAVERDE	S2 008-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 70	DAKOTA	W2 034-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 71	DAKOTA	NSP 034-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 72	DAKOTA	NSP 035-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 73	DAKOTA	NSP 035-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 74	DAKOTA	NSP 036-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 77	DAKOTA	N2 027-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 79	DAKOTA	NSP 007-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 79E	DAKOTA	NSP 007-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 7A	MESAVERDE	S2 008-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 8	MESAVERDE	N2 021-028N-005W	P&A	Single
SAN JUAN 28-5 UNIT 8	FRUITLAND COAL	N2 021-028N-005W	P&A	Single
SAN JUAN 28-5 UNIT 80	DAKOTA	N2 026-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 81	DAKOTA	S2 026-028N-005W	Active	Single

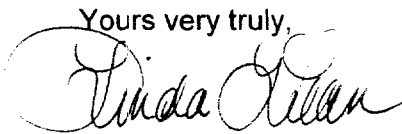
San Juan 28-5 Unit  
 2003 Plan of Development  
 February 21, 2003

SAN JUAN 28-5 UNIT 83	DAKOTA	W2 016-028N-005W	Active	Single	
SAN JUAN 28-5 UNIT 84	DAKOTA	E2 016-028N-005W	Active	Single	
SAN JUAN 28-5 UNIT 85E	DAKOTA	NSP 008-028N-005W	Active	Single	
SAN JUAN 28-5 UNIT 86	DAKOTA	W2 023-028N-005W	Active	Single	
SAN JUAN 28-5 UNIT 87	DAKOTA	E2 022-028N-005W	Active	Single	
SAN JUAN 28-5 UNIT 88	DAKOTA	W2 015-028N-005W	Active	Single	
SAN JUAN 28-5 UNIT 89	MESAVERDE	S2 009-028N-005W	Active	Single	
SAN JUAN 28-5 UNIT 89	DAKOTA	NSP 009-028N-005W	T&A	Single	
SAN JUAN 28-5 UNIT 9	MESAVERDE	S2 029-028N-005W	Active	Single	
SAN JUAN 28-5 UNIT 91	DAKOTA	W2 014-028N-005W	Active	Single	
SAN JUAN 28-5 UNIT 92	DAKOTA	W2 024-028N-005W	P&A	Single	
SAN JUAN 28-5 UNIT 93	DAKOTA	E2 015-028N-005W	Active	Single	
SAN JUAN 28-5 UNIT 95	PICTURED CLIFFS	S2 031-028N-005W	Active	Single	
SAN JUAN 28-5 UNIT 96	DAKOTA	NSP 010-028N-005W	Active	Single	
SAN JUAN 28-5 UNIT 96E	DAKOTA	NSP 011-028N-005W	Active	Single	
SAN JUAN 28-5 UNIT 97	DAKOTA	E2 014-028N-005W	P&A	Single	
SAN JUAN 28-5 UNIT 98	DAKOTA	NSP 024-028N-005W	P&A	Single	
SAN JUAN 28-5 UNIT NP 201	FRUITLAND COAL	N2 015-028N-005W	Active	Single	
SAN JUAN 28-5 UNIT NP 203	FRUITLAND COAL	N2 017-028N-005W	P&A	Single	
SAN JUAN 28-5 UNIT NP 204	FRUITLAND COAL	N2 018-028N-005W	Active	Single	
SAN JUAN 28-5 UNIT NP 219	FRUITLAND COAL	N2 030-028N-005W	Active	Single	
SAN JUAN 28-5 UNIT NP 223	FRUITLAND COAL	S2 034-028N-005W	Active	Single	
SAN JUAN 28-5 UNIT NP 3	MESAVERDE	S2 026-028N-005W	Active	Single	
				Single Count	117
				Grand Count	<b>265</b>

The working interest owners are being furnished a copy of this letter. Burlington, as Unit Operator, will drill any offset wells required to prevent drainage of unitized substances and any other wells deemed necessary by the working interest owners or Unit Operator.

In accordance to Section 10 of the Unit Agreement, please provide your approvals by executing and returning a copy of this letter to the undersigned.

Please contact me at (505) 326-9760 if there are any questions regarding this letter.

Yours very truly,  
  
 Linda Dean  
 Land Advisor

San Juan 28-5 Unit, 3.0 (2003)

San Juan 28-5 Unit  
2003 Plan of Development  
February 21, 2003

**SAN JUAN 28-5 UNIT  
2003 PLAN OF DEVELOPMENT  
APPROVALS**

\_\_\_\_\_  
Bureau of Land Management

\_\_\_\_\_  
Date



\_\_\_\_\_  
New Mexico Oil Conservation Division

3/5/03  
Date

AO Wells-Active  
 FRUITLAND COAL  
 PICTURED CLIFFS  
 MESAVERDE  
 GALLUP  
 DAKOTA  
 SHALLOW

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San Juan 28-5 Unit



BURLINGTON RESOURCES



**BURLINGTON RESOURCES**

San Juan Division

**San Juan 28-5 Unit**

Rio Arriba Co., NM

Transverse Mercator  
 UTM - 1927 - Zone 13

1:59276

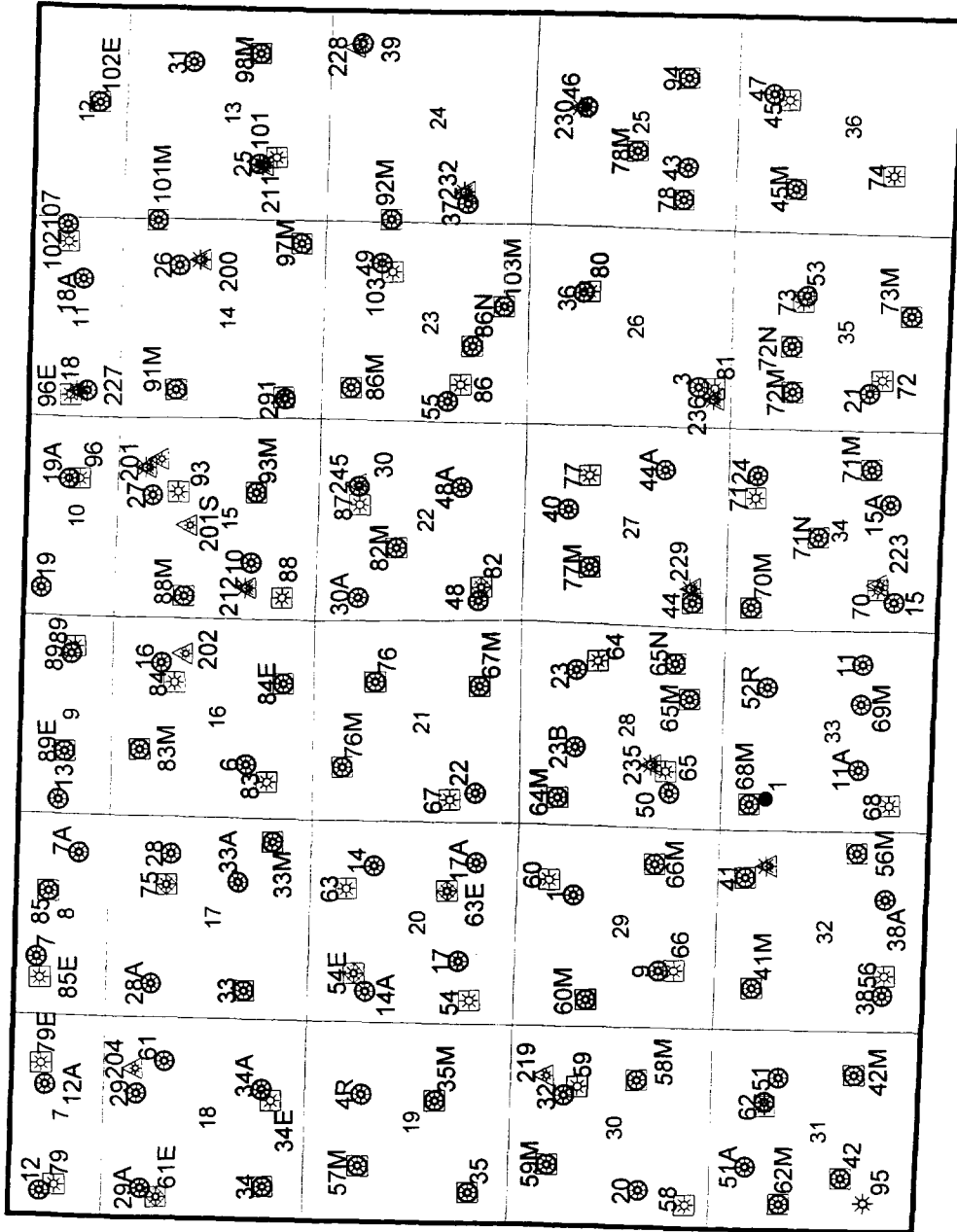
Prepared By: Cheryl Groth

Date: 02/25/2003

File No: <Please enter file number>

Revised: <Revision date>

File Name: s:\platt\pr\_files\units br operated.apr



# ***WORKING INTEREST OWNERS SAN JUAN 28-5 UNIT***

LORRAYN GAY HACKER

BOLACK MINERALS CO

BP AMERICA PRODUCTION COMPANY

BURLINGTON RESOURCES O&G CO LP

CARL R MCELVAIN ESTATE

CHARLES W GAY

CONOCOPHILLIPS COMPANY

DUGAN PRODUCTION CORPORATION

EVELYN G BROWN TRST UW/O

J & M RAYMOND LTD

JABCO LLP

KATHLEEN QUINN

ALGERNON W BROWN TRUST UW/O

LELA L BARKLEY

WILLIAMS PRODUCTION COMPANY

LYNN ADAIR GILLESPIE

M A R OIL AND GAS CORP INC

MAYDELL MILLER MAST

POOL RESOURCES LTD

PROVIDENCE MINERALS LLC

R J MCCULLOUGH J W

RUTH ZIMMERMAN TRUST

T H MCELVAIN OIL & GAS LTD

THE TINMIL

THOMAS P TINNIN

VAUGHAN MCELVAIN ENERGY INC

LANGDON D HARRISON ESTATE

# BURLINGTON RESOURCES

SAN JUAN DIVISION

December 17, 2002

Bureau of Land Management  
Farmington Resource Area  
1235 La Plata Highway  
Farmington, NM 87401

Oil Conservation Division  
State of New Mexico  
2040 S. Pacheco  
Santa Fe, NM 87505

**RE: First Amendment  
2002 Plan of Development  
San Juan 28-5 Unit 14-08-001-949  
Rio Arriba County, New Mexico**

Ladies and Gentlemen:

By letter dated February 27, 2002, the 2002 Plan of Development for the referenced unit was submitted for your approval. Subsequently it has been determined that the following wells should be included:

Well Name	Formation	Type	Dedication
San Juan 28-5 Unit 33M	Mesaverde	New Drill-Commingle	S2 17-028N-005W
San Juan 28-5 Unit 33M	Dakota	New Drill-Commingle	S2 17-028N-005W
San Juan 28-5 Unit 82M	Mesaverde	New Drill-Commingle	N2 22-028N-005W
San Juan 28-5 Unit 82M	Dakota	New Drill-Commingle	W2 22-028N-005W

The working interest owners are being furnished a copy of this letter. Burlington Resources Oil and Gas Company LP, as Unit Operator, will drill any offset wells required to prevent drainage of unitized substances and any other wells deemed necessary by the working interest owners or Unit Operator.

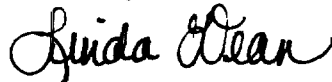
In accordance with Section 10 of the Unit Agreement, please provide your approvals by executing and returning a copy of this letter to the attention of the undersigned.



Page 2  
San Juan 28-5 Unit  
First Amendment  
2002 Plan of Development

Please contact Ben Malone at (505) 326-9749 if there are any questions regarding this letter.

Sincerely,

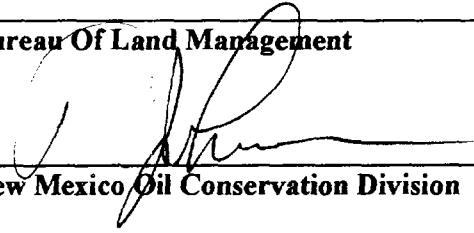


Linda Dean  
Land Advisor

San Juan 28-5 Unit, 3.0 (2002 POD)

**SAN JUAN 28-5 UNIT  
FIRST AMENDMENT  
2002 PLAN OF DEVELOPMENT**

\_\_\_\_\_  
Bureau Of Land Management

  
\_\_\_\_\_  
New Mexico Oil Conservation Division

\_\_\_\_\_  
Date

\_\_\_\_\_  
Date

12/30/02

RECEIVED

001 2 2002

OIL CONSERVATION  
DIVISION

**BURLINGTON  
RESOURCES**

SAN JUAN DIVISION

October 9, 2002

Bureau of Land Management  
Attn: Mr. Wayne Townsend  
Farmington Resource Area  
1235 La Plata Highway  
Farmington, NM 87401

New Mexico Oil Conservation Division  
Energy Minerals & Natural Resources  
Attn: Ms. Lori Wrotenbery  
1220 S. Saint Francis Drive  
Santa Fe, NM 87505-4000

RE: San Juan 28-5 Unit (#14-08-001-0949)  
Commercial Determinations  
Fruitland Coal Formation  
Rio Arriba County, New Mexico

Gentlemen:

Pursuant to the provisions of Section 11(a) of the San Juan 28-5 Unit Agreement, #14-08-001-0949, approved, August 25, 1953, Burlington Resources Oil & Gas Company LP, as Operator, has determined that the well listed below is not capable of producing unitized substances in paying quantities from the Fruitland Coal Formation. Burlington is seeking confirmation of the paying well determination enclosed.

<u>BROG's AIN No.</u>	<u>Well Name &amp; Number</u>	<u>Well Dedication</u>	<u>Dedicated Leases</u>	<u>Completion Date</u>	<u>Commerciality Determination</u>
83530001	San Juan 28-5 Unit #201S	N/2 15-28N-5W	SF-079250	2/19/02	Non-Commercial

Upon receipt of response from the Bureau of Land Management and concurring responses from the Commissioner of Public Lands and New Mexico Oil Conservation Division, the well will be carried as non-commercial on a lease basis.

Copies of this letter are being sent to the working interest owners on the attached sheet. If you have any questions or need any additional information, please contact the undersigned at (505) 326-9860.

Very truly yours,



Marian L. Wimsatt, CPLTA, CPL  
Land Analyst

MLW:ll  
San Juan 28-5 Unit, 4.5  
cc: James Strickler

# ***WORKING INTEREST OWNERS SAN JUAN 28-5 UNIT***

LORRAYN GAY HACKER

ASHDLA LLC

BOLACK MINERALS CO

BP AMERICA PRODUCTION COMPANY

BURLINGTON RESOURCES O&G CO LP

CARL R MCELVAIN ESTATE

CHARLES W GAY

DUGAN PRODUCTION CORPORATION

EVELYN G BROWN TRST U/W/O

J & M RAYMOND LTD

JABCO LLP

KATHLEEN QUINN

ALGERNON W BROWN TRUST U/W/O

LELA L BARKLEY

WILLIAMS PRODUCTION COMPANY

LYNN ADAIR GILLESPIE

M A R OIL AND GAS CORP INC

MAYDELL MILLER MAST

PHILLIPS PETROLEUM

POOL RESOURCES LTD

PROVIDENCE MINERALS LLC

R J MCCULLOUGH J W

RUTH ZIMMERMAN TRUST

T H MCELVAIN OIL & GAS LTD

THE TINMIL

THOMAS P TINNIN

VAUGHAN MCELVAIN ENERGY INC

LANGDON D HARRISON ESTATE

# BURLINGTON RESOURCES COMMERCIALITY DETERMINATION

## BLM DATA SHEET

SAN JUAN 28-5 UNIT 201S

### WELL INFORMATION

LEASE SAN JUAN 28-5 UNIT 201S  
 LOCATION 1528N5WF  
 COUNTY, STATE RIO ARRIBA, NEW MEXICO  
 FORMATION FRUITLAND COAL  
 PROJECT TYPE NEWDRILL  
 WELL TYPE GAS WELL  
 OPERATOR BURLINGTON RESOURCES O&G CO LP  
 SPUD DATE 9/13/01  
 COMP DATE 2/19/02  
 1ST DELIVERY 11/1/01  
 COMM GWI % 100.00  
 COMM NRI % 87.50  
 BOARD RATE % 8.00

### PRODUCTION TAXES

TAXES FOR: RIO ARRIBA, NEW MEXICO  
 2001 Commerciality

#### GAS % OF REVENUE

SEVERANCE:  
 Severance, School, Conservation 7.93  
 AD VALOREM:  
 Production, Equipment 1.40  
 TOTAL %: 9.33

### AVERAGE HEAT CONTENT

1,050 MMBtu / Mcf

### WELL COST AND ECONOMICS

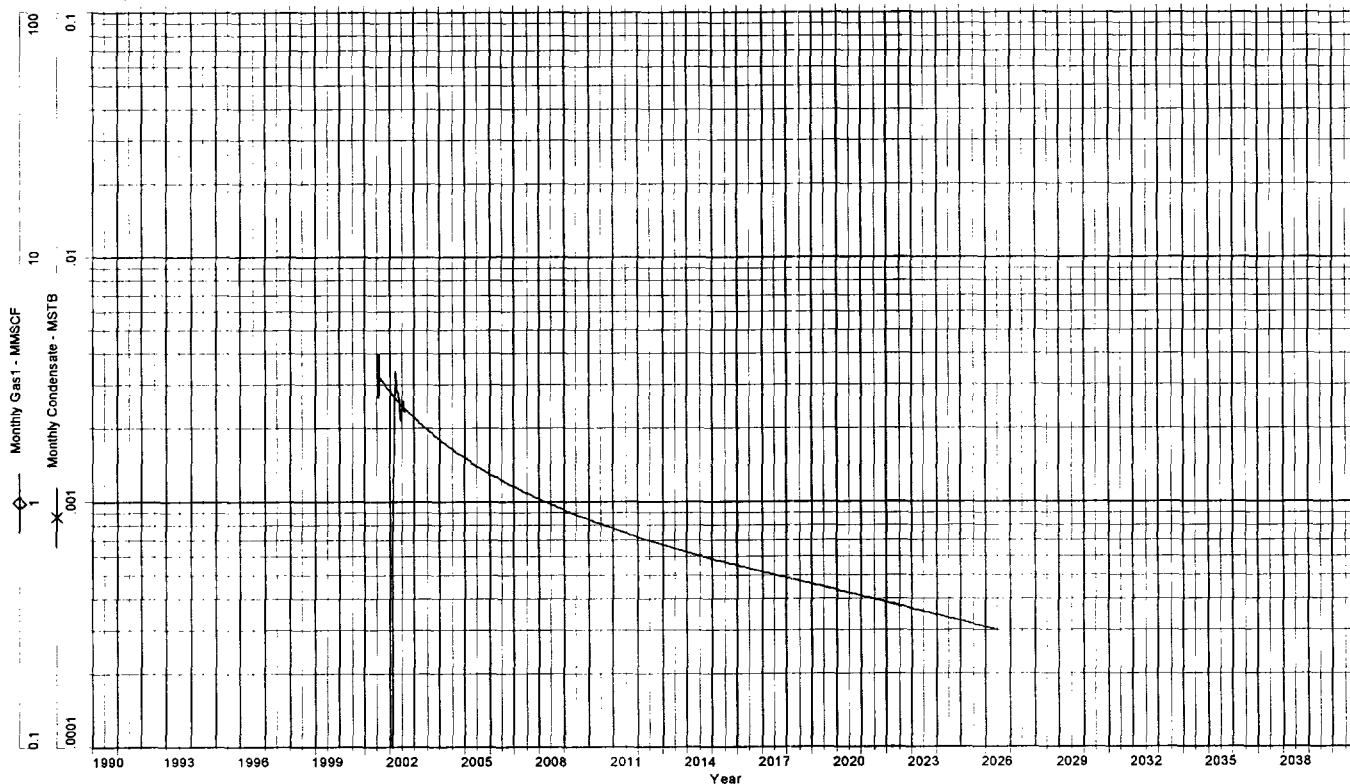
300.00 M\$ AVERAGE WELL COST  
 236.11 MMCF ULT. GROSS GAS RESERVES  
 81.98 MCFD INITIAL GAS RATE  
 0.00 % RATE OF RETURN  
 -0.35 \$\$ P/I, DISC. @ 8.00 %  
 -105.74 M\$ NET PRESENT VALUE, DISC. @ 8.00 %  
 0.00 YRS PAYOUT

SAN JUAN 28-5 UNIT 201S 83530001 (SAN JUAN 28-5 UNIT 201S) Data: Sep. 2001-Aug. 2002

Operator: BURLINGTON RESOURCES O&G CO LP  
 Field: BASIN (FRUITLAND COAL)  
 Zone:  
 Type: Gas  
 Group: None

COMX (Rate-Time)  
 qi: 3.31769 MMSCF, Jul, 2001  
 qf: 0.299604 MMSCF, Jun, 2026  
 d(Hyp): 25.357 CTD: 16.5596 MMSCF  
 RR: 220.165 MMSCF Tot: 236.725 MMSCF

Production Cums  
 Oil: 0 MSTB  
 Gas: 16.5596 MMSCF  
 Water: 0 MSTB  
 Cond: 0 MSTB



BURLINGTON RESOURCES  
 COMMERCIALITY DETERMINATION  
 BLM DATA SHEET  
 SAN JUAN 28-5 UNIT 201S

CASH FLOW SUMMARY

Date	Gas1 Rate	Gas1 Volume	Net Gas Volume	Gas1 Price	Gas Price	Net Revenue	Production Taxes	Total Opccosts	Total Oper Inc	Total Capital	Total BT Cash
	mcf/d	MMSCF	MMSCF	\$/MMBTU	\$/mcf	M\$	M\$	M\$	M\$	M\$	M\$
2002(12)	82.0	25.1	22.0	3.00	3.15	69.14	7.28	8.30	53.56	300.00	-246.44
2003(12)	65.1	23.8	20.8	3.00	3.15	65.50	6.90	15.90	42.70	0.00	42.70
2004(12)	53.9	19.7	17.3	3.00	3.15	54.34	5.73	15.90	32.72	0.00	32.72
2005(12)	46.1	16.8	14.7	3.00	3.15	46.42	4.89	15.90	25.63	0.00	25.63
2006(12)	40.3	14.7	12.9	3.00	3.15	40.50	4.27	15.90	20.33	0.00	20.33
2007(12)	35.7	13.0	11.4	3.00	3.15	35.91	3.78	15.90	16.23	0.00	16.23
2008(12)	32.0	11.7	10.2	3.00	3.15	32.25	3.40	15.90	12.95	0.00	12.95
2009(12)	29.1	10.6	9.3	3.00	3.15	29.26	3.08	15.90	10.28	0.00	10.28
2010(12)	26.6	9.7	8.5	3.00	3.15	26.77	2.82	15.90	8.05	0.00	8.05
2011(12)	24.5	9.0	7.8	3.00	3.15	24.67	2.60	15.90	6.17	0.00	6.17
2012(12)	22.7	8.3	7.3	3.00	3.15	22.88	2.41	15.90	4.57	0.00	4.57
2013(12)	21.2	7.7	6.8	3.00	3.15	21.32	2.25	15.90	3.17	0.00	3.17
2014(12)	19.8	7.2	6.3	3.00	3.15	19.96	2.10	15.90	1.96	0.00	1.96
2015(12)	18.7	6.8	6.0	3.00	3.15	18.76	1.98	15.90	0.89	0.00	0.89
2016(12)	17.7	4.3	3.8	3.00	3.15	11.91	1.25	10.60	0.05	0.00	0.05
Total	0.0	188.5	165.0	0.00	0.00	519.59	54.74	225.60	239.25	300.00	-60.75

# BURLINGTON RESOURCES

SAN JUAN DIVISION

#553

February 27, 2002

Bureau of Land Management  
Farmington Resource Area  
1235 La Plata Highway  
Farmington, NM 87401

Oil Conservation Division  
State of New Mexico  
2040 S. Pacheco  
Santa Fe, NM 87505

**RE: 2002 Plan of Development  
SAN JUAN 28-5 UNIT 14-08-001-949  
RIO ARRIBA COUNTY, NEW MEXICO**

Ladies and Gentlemen:

The following Participating Areas currently exist in the SAN JUAN 28-5 UNIT:

FORMATION	EXPANSION	EFFECTIVE DATE
DAKOTA	020	01-Nov-79
FRUITLAND COAL	000	14-Oct-89
MESAVERDE	028	01-Nov-98
PICTURED CLIFFS	001	01-May-81

The 2001 Plan of Development (or amendments thereto) provided for the following activity:

WELL NAME	FORMATION	TYPE	DEDICATION	STATUS
SAN JUAN 28-5 UNIT 62M	MESAVERDE	NewDrill - Commingle	N2 31-028N-005W	Carry Over
SAN JUAN 28-5 UNIT 62M	DAKOTA	NewDrill - Commingle	N2 31-028N-005W	Carry Over
SAN JUAN 28-5 UNIT 80M	DAKOTA	NewDrill - Commingle	N2 26-028N-005W	Carry Over
SAN JUAN 28-5 UNIT 80M	MESAVERDE	NewDrill - Commingle	N2 26-028N-005W	Carry Over
SAN JUAN 28-5 UNIT 81M	MESAVERDE	NewDrill - Commingle	S2 26-028N-005W	Carry Over
SAN JUAN 28-5 UNIT 81M	DAKOTA	NewDrill - Commingle	S2 26-028N-005W	Carry Over
SAN JUAN 28-5 UNIT 201S	FRUITLAND COAL	NewDrill - Single	N2 15-028N-005W	WO Completion
SAN JUAN 28-5 UNIT 23B	MESAVERDE	NewDrill - Single	N2 28-028N-005W	Completed

San Juan 28-5 Unit  
 2002 Plan of Development  
 2/27/2002

Pursuant to Section 10 of the SAN JUAN 28-5 UNIT Agreement, Burlington Resources Oil & Gas Company LP, as Unit Operator, hereby submits the 2002 Plan of Development as follows:

WELL NAME	FORMATION	TYPE	DEDICATION
SAN JUAN 28-5 UNIT 65N	MESAVERDE	NewDrill - Commingle	S2 28-028N-005W
SAN JUAN 28-5 UNIT 65N	DAKOTA	NewDrill - Commingle	S2 28-028N-005W
SAN JUAN 28-5 UNIT 71N	MESAVERDE	NewDrill - Commingle	N2 34-028N-005W
SAN JUAN 28-5 UNIT 71N	DAKOTA	NewDrill - Commingle	NSP 34-028N-005W
SAN JUAN 28-5 UNIT 72N	MESAVERDE	NewDrill - Commingle	N2 35-028N-005W
SAN JUAN 28-5 UNIT 72N	DAKOTA	NewDrill - Commingle	NSP 35-028N-005W
SAN JUAN 28-5 UNIT 80M	DAKOTA	NewDrill - Commingle	N2 26-028N-005W
SAN JUAN 28-5 UNIT 80M	MESAVERDE	NewDrill - Commingle	N2 26-028N-005W
SAN JUAN 28-5 UNIT 81M	MESAVERDE	NewDrill - Commingle	S2 26-028N-005W
SAN JUAN 28-5 UNIT 81M	DAKOTA	NewDrill - Commingle	S2 26-028N-005W
SAN JUAN 28-5 UNIT 86N	MESAVERDE	NewDrill - Commingle	S2 23-028N-005W
SAN JUAN 28-5 UNIT 86N	DAKOTA	NewDrill - Commingle	W2 23-028N-005W
SAN JUAN 28-5 UNIT 62M	MESAVERDE	NewDrill - Commingle	N2 31-028N-005W
SAN JUAN 28-5 UNIT 62M	DAKOTA	NewDrill - Commingle	N2 31-028N-005W

The following is a well listing for wells in SAN JUAN 28-5 UNIT and the current status our system contains for the well.

WELL NAME	FORM	LEGAL DES	REASON	FLAG
SAN JUAN 28-5 UNIT 101M	DAKOTA	W2 013-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 101M	MESAVERDE	N2 013-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 102E	DAKOTA	NSP 012-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 102E	MESAVERDE	S2 012-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 103M	MESAVERDE	S2 023-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 103M	DAKOTA	E2 023-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 34	MESAVERDE	S2 018-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 34	DAKOTA	S2 018-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 35	MESAVERDE	S2 019-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 35	DAKOTA	S2 019-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 35M	MESAVERDE	S2 019-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 35M	DAKOTA	S2 019-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 41	MESAVERDE	N2 032-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 41	DAKOTA	N2 032-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 41M	MESAVERDE	N2 032-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 41M	DAKOTA	N2 032-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 42	DAKOTA	S2 031-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 42	MESAVERDE	S2 031-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 42M	DAKOTA	S2 031-028N-005W	Active	Commingle

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SAN JUAN 28-5 UNIT 42M	MESAVERDE	S2 031-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 44	MESAVERDE	S2 027-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 44	DAKOTA	S2 027-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 45M	MESAVERDE	N2 036-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 45M	DAKOTA	NSP 036-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 54E	DAKOTA	W2 020-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 54E	GALLUP	NW4 020-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 56M	DAKOTA	S2 032-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 56M	MESAVERDE	S2 032-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 57M	MESAVERDE	N2 019-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 57M	DAKOTA	N2 019-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 58M	MESAVERDE	S2 030-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 58M	DAKOTA	S2 030-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 59M	MESAVERDE	N2 030-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 59M	DAKOTA	N2 030-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 60M	MESAVERDE	N2 029-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 60M	DAKOTA	N2 029-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 61	DAKOTA	N2 018-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 61	MESAVERDE	N2 018-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 61E	DAKOTA	N2 018-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 61E	GALLUP	NW4 018-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 62	DAKOTA	N2 031-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 62	MESAVERDE	N2 031-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 63E	DAKOTA	E2 020-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 63E	GALLUP	SE4 020-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 64M	MESAVERDE	N2 028-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 64M	DAKOTA	N2 028-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 65M	MESAVERDE	S2 028-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 65M	DAKOTA	S2 028-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 66M	MESAVERDE	S2 029-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 66M	DAKOTA	S2 029-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 68M	MESAVERDE	N2 033-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 68M	DAKOTA	W2 033-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 69M	DAKOTA	E2 033-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 69M	MESAVERDE	S2 033-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 70M	DAKOTA	W2 034-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 70M	MESAVERDE	N2 034-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 71M	DAKOTA	NSP 034-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 71M	MESAVERDE	S2 034-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 72M	MESAVERDE	N2 035-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 72M	DAKOTA	NSP 035-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 73M	DAKOTA	NSP 035-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 73M	MESAVERDE	S2 035-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 75	DAKOTA	N2 017-028N-005W	Active	Commingle



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SAN JUAN 28-5 UNIT 75	GALLUP	NE4 017-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 76	DAKOTA	N2 021-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 76	MESAVERDE	N2 021-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 77M	MESAVERDE	N2 027-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 77M	DAKOTA	N2 027-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 78	DAKOTA	W2 025-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 78	MESAVERDE	S2 025-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 78M	MESAVERDE	N2 025-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 78M	DAKOTA	W2 025-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 82	DAKOTA	W2 022-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 82	GALLUP	SW4 022-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 83M	DAKOTA	W2 016-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 83M	MESAVERDE	N2 016-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 84E	MESAVERDE	S2 016-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 84E	DAKOTA	E2 016-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 85	DAKOTA	NSP 008-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 85	MESAVERDE	S2 008-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 86M	MESAVERDE	N2 023-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 86M	DAKOTA	W2 023-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 88M	MESAVERDE	W2 015-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 88M	DAKOTA	W2 015-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 89E	DAKOTA	NSP 009-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 89E	MESAVERDE	S2 009-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 92M	MESAVERDE	N2 024-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 92M	DAKOTA	W2 024-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 93M	DAKOTA	E2 015-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 93M	MESAVERDE	S2 015-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 94	MESAVERDE	S2 025-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 94	DAKOTA	NSP 025-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 97M	DAKOTA	E2 014-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 97M	MESAVERDE	S2 014-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 98M	MESAVERDE	S2 013-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 98M	DAKOTA	NSP 013-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT NP 200	FRUITLAND COAL	N2 014-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT NP 200	PICTURED CLIFFS	N2 014-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT NP 211	FRUITLAND COAL	S2 013-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT NP 211	PICTURED CLIFFS	S2 013-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT NP 212	PICTURED CLIFFS	S2 015-028N-005W	Shut-in	Commingle
SAN JUAN 28-5 UNIT NP 212	FRUITLAND COAL	S2 015-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT NP 227	FRUITLAND COAL	S2 011-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT NP 227	PICTURED CLIFFS	SW4 011-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT NP 228	FRUITLAND COAL	N2 024-028N-005W	Shut-in	Commingle
SAN JUAN 28-5 UNIT NP 228	PICTURED CLIFFS	N2 024-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT NP 229	FRUITLAND COAL	S2 027-028N-005W	Active	Commingle

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SAN JUAN 28-5 UNIT NP 229	PICTURED CLIFFS	S2	027-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT NP 230	FRUITLAND COAL	N2	025-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT NP 230	PICTURED CLIFFS	N2	025-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT NP 232	FRUITLAND COAL	S2	024-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT NP 232	PICTURED CLIFFS	S2	024-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT NP 235	FRUITLAND COAL	S2	028-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT NP 235	PICTURED CLIFFS	S2	028-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT NP 236	FRUITLAND COAL	S2	026-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT NP 236	PICTURED CLIFFS	S2	026-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT NP 240	FRUITLAND COAL	N2	032-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT NP 240	PICTURED CLIFFS	N2	032-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT NP 242	FRUITLAND COAL	S2	012-028N-005W	P&A	Commingle
SAN JUAN 28-5 UNIT NP 242	PICTURED CLIFFS	S2	012-028N-005W	P&A	Commingle
SAN JUAN 28-5 UNIT NP 91E	DAKOTA	W2	014-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT NP 91E	MESAVERDE	N2	014-028N-005W	Active	Commingle
				Commingle Count	124
SAN JUAN 28-5 UNIT 33	MESAVERDE	S2	017-028N-005W	Active	Dual
SAN JUAN 28-5 UNIT 33	DAKOTA	S2	017-028N-005W	Shut-in	Dual
SAN JUAN 28-5 UNIT 67M	MESAVERDE	S2	021-028N-005W	Active	Dual
SAN JUAN 28-5 UNIT 67M	DAKOTA	S2	021-028N-005W	Active	Dual
SAN JUAN 28-5 UNIT 76M	MESAVERDE	N2	021-028N-005W	Active	Dual
SAN JUAN 28-5 UNIT 76M	DAKOTA	N2	021-028N-005W	Active	Dual
SAN JUAN 28-5 UNIT 29A	PICTURED CLIFFS	N2	018-028N-005W	Active	Dual
SAN JUAN 28-5 UNIT 29A	MESAVERDE	N2	018-028N-005W	Active	Dual
SAN JUAN 28-5 UNIT 38A	PICTURED CLIFFS	S2	032-028N-005W	Active	Dual
SAN JUAN 28-5 UNIT 38A	MESAVERDE	S2	032-028N-005W	Active	Dual
SAN JUAN 28-5 UNIT 51A	PICTURED CLIFFS	N2	031-028N-005W	Active	Dual
SAN JUAN 28-5 UNIT 51A	MESAVERDE	N2	031-028N-005W	Active	Dual
				Dual Count	12
SAN JUAN 28-5 UNIT 1	MESAVERDE	N2	029-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 10	MESAVERDE	S2	015-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 101	DAKOTA	W2	013-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 102	DAKOTA	NSP	011-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 103	DAKOTA	E2	023-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 107	MESAVERDE	S2	012-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 11	MESAVERDE	S2	033-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 11A	MESAVERDE	S2	033-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 12	MESAVERDE	S2	007-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 12A	MESAVERDE	S2	007-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 13	MESAVERDE	S2	009-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 14	MESAVERDE	N2	020-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 14A	MESAVERDE	N2	020-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 15	MESAVERDE	S2	034-028N-005W	Active	Single

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SAN JUAN 28-5 UNIT 15A	MESAVERDE	S2	034-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 16	MESAVERDE	N2	016-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 17	MESAVERDE	S2	020-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 17A	MESAVERDE	S2	020-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 18	MESAVERDE	S2	011-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 18A	MESAVERDE	S2	011-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 19	MESAVERDE	S2	010-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 19A	MESAVERDE	S2	010-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 2	MESAVERDE	S2	014-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 20	MESAVERDE	S2	030-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 201S	FRUITLAND COAL	N2	015-028N-005W	Shut-In	Single
SAN JUAN 28-5 UNIT 202	FRUITLAND COAL	N2	016-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 21	MESAVERDE	S2	035-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 22	MESAVERDE	S2	021-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 23	MESAVERDE	N2	028-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 23B	MESAVERDE	N2	028-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 24	MESAVERDE	N2	034-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 245	FRUITLAND COAL	N2	022-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 25	MESAVERDE	S2	013-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 26	MESAVERDE	N2	014-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 27	MESAVERDE	N2	015-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 28	MESAVERDE	N2	017-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 28A	MESAVERDE	N2	017-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 29	MESAVERDE	N2	018-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 30	MESAVERDE	N2	022-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 30A	MESAVERDE	N2	022-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 31	MESAVERDE	N2	013-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 32	MESAVERDE	N2	030-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 33A	MESAVERDE	S2	017-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 34A	MESAVERDE	S2	018-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 34E	DAKOTA	S2	018-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 36	MESAVERDE	N2	026-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 37	MESAVERDE	S2	024-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 38	MESAVERDE	S2	032-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 39	MESAVERDE	N2	024-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 4	MESAVERDE	N2	019-028N-005W	P&A	Single
SAN JUAN 28-5 UNIT 40	MESAVERDE	N2	027-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 43	MESAVERDE	S2	025-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 44A	MESAVERDE	S2	027-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 45	DAKOTA	NSP	036-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 46	MESAVERDE	N2	025-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 47	MESAVERDE	N2	036-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 48	MESAVERDE	S2	022-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 48A	MESAVERDE	S2	022-028N-005W	Active	Single

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SAN JUAN 28-5 UNIT 49	MESAVERDE	N2 023-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 4R	MESAVERDE	N2 019-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 50	MESAVERDE	S2 028-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 51	MESAVERDE	N2 031-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 52	MESAVERDE	N2 033-028N-005W	P&A	Single
SAN JUAN 28-5 UNIT 52R	MESAVERDE	N2 033-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 53	MESAVERDE	N2 035-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 54	DAKOTA	W2 020-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 55	MESAVERDE	S2 023-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 56	DAKOTA	S2 032-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 57	DAKOTA	N2 019-028N-005W	P&A	Single
SAN JUAN 28-5 UNIT 58	DAKOTA	S2 030-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 59	DAKOTA	N2 030-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 6	MESAVERDE	S2 016-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 60	DAKOTA	N2 029-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 63	DAKOTA	E2 020-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 64	DAKOTA	N2 028-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 65	DAKOTA	S2 028-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 66	DAKOTA	S2 029-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 67	DAKOTA	S2 021-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 68	DAKOTA	W2 033-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 69	DAKOTA	E2 033-028N-005W	P&A	Single
SAN JUAN 28-5 UNIT 7	MESAVERDE	S2 008-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 70	DAKOTA	W2 034-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 71	DAKOTA	NSP 034-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 72	DAKOTA	NSP 035-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 73	DAKOTA	NSP 035-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 74	DAKOTA	NSP 036-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 77	DAKOTA	N2 027-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 79	DAKOTA	NSP 007-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 79E	DAKOTA	NSP 007-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 7A	MESAVERDE	S2 008-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 8	MESAVERDE	N2 021-028N-005W	P&A	Single
SAN JUAN 28-5 UNIT 8	FRUITLAND COAL	N2 021-028N-005W	P&A	Single
SAN JUAN 28-5 UNIT 80	DAKOTA	N2 026-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 81	DAKOTA	S2 026-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 83	DAKOTA	W2 016-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 84	DAKOTA	E2 016-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 85E	DAKOTA	NSP 008-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 86	DAKOTA	W2 023-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 87	DAKOTA	E2 022-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 88	DAKOTA	W2 015-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 89	MESAVERDE	S2 009-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 89	DAKOTA	NSP 009-028N-005W	P&A	Single

San Juan 28-5 Unit  
 2002 Plan of Development  
 2/27/2002

SAN JUAN 28-5 UNIT 9	MESAVERDE	S2 029-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 91	DAKOTA	W2 014-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 92	DAKOTA	W2 024-028N-005W	P&A	Single
SAN JUAN 28-5 UNIT 93	DAKOTA	E2 015-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 95	PICTURED CLIFFS	S2 031-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 96	DAKOTA	NSP 010-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 96E	DAKOTA	NSP 011-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 97	DAKOTA	E2 014-028N-005W	P&A	Single
SAN JUAN 28-5 UNIT 98	DAKOTA	NSP 024-028N-005W	P&A	Single
SAN JUAN 28-5 UNIT NP 201	FRUITLAND COAL	N2 015-028N-005W	Active	Single
SAN JUAN 28-5 UNIT NP 203	FRUITLAND COAL	N2 017-028N-005W	P&A	Single
SAN JUAN 28-5 UNIT NP 204	FRUITLAND COAL	N2 018-028N-005W	Active	Single
SAN JUAN 28-5 UNIT NP 219	FRUITLAND COAL	N2 030-028N-005W	Active	Single
SAN JUAN 28-5 UNIT NP 223	FRUITLAND COAL	S2 034-028N-005W	Active	Single
SAN JUAN 28-5 UNIT NP 3	MESAVERDE	S2 026-028N-005W	Active	Single
Single Count				117
Grand Count				253

The working interest owners are being furnished a copy of this letter. Burlington, as Unit Operator, will drill any offset wells required to prevent drainage of unitized substances and any other wells deemed necessary by the working interest owners or Unit Operator.

In accordance to Section 10 of the Unit Agreement, please provide your approvals by executing and returning a copy of this letter to the undersigned.

Please contact Matt Gray at (505) 326-9848 if there are any questions regarding this letter.

Yours very truly,

  
 John F. Zent  
 Compliance Manager

San Juan 28-5 Unit, 3.0 (2002)

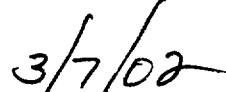
San Juan 28-5 Unit  
2002 Plan of Development  
2/27/2002

**SAN JUAN 28-5 UNIT  
2002 PLAN OF DEVELOPMENT**

\_\_\_\_\_  
Bureau of Land Management

  
\_\_\_\_\_  
New Mexico Oil Conservation Division

\_\_\_\_\_  
Date

  
\_\_\_\_\_  
Date

\_\_\_\_\_  
New Mexico Commissioner of Public Lands

\_\_\_\_\_  
Date

# BURLINGTON RESOURCES

SAN JUAN DIVISION

February 11, 2002

Bureau of Land Management (3)  
Attn: Ms. Geneva McDougall  
1235 La Plata Highway  
Farmington, NM 87401

New Mexico Oil Conservation Division (2)  
Energy Minerals & Natural Resources  
Attn: Ms. Lori Wrottenbery  
1220 S. Saint Francis Drive  
Santa Fe, NM 87505-4000

RE: **SAN JUAN 28-5 UNIT, #14-08-001-949**  
**RIO ARRIBA COUNTY, NEW MEXICO**  
**Dakota Participating Area**  
21st Expansion: Effective 10/1/1999

Addressed above:

Pursuant to Section 11(a) of the Unit Agreement for the referenced Unit, #14-08-001-949, approved August 25, 1953, Burlington Resources Oil & Gas Company LP, as Unit Operator, has determined that the following well is capable of producing unitized substances in paying quantities from the Dakota formation after being reworked and thereby should be admitted to the Dakota Participating Area. Pursuant to a BLM letter, listed below is the well that has been deemed commercial.

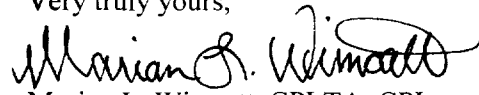
## **TWENTY-FIRST EXPANSION - EFFECTIVE 10/1/99**

<b><u>Well Name</u></b>	<b><u>Tract/Acres</u></b>	<b><u>Tr. Description</u></b>	<b><u>Workover</u></b>
San Juan 28-5 Unit #86 W/2 Sec. 23-T28N-R5W	Tr. 4/160.00	SW/4	9/1/99

The Expansion Schedule for the Twenty-first Expansion is enclosed. The schedule describes the Participating Area and shows the percentage of unitized substances allocated to the Tracts according to the ownership within the Tracts.

Burlington Resources would appreciate consideration of this Expansion, by written response. Please contact the undersigned at (505) 326-9860 if there are any questions regarding this matter. Copies of this letter are being furnished to the Working Interest Owners on the attached list.

Very truly yours,

  
Marian L. Wimsatt, CPLTA, CPL  
Land Analyst

mlw  
cc: Linda Dean  
Matthew Gray  
S.J. 28-5 Unit, 4.3

# ***WORKING INTEREST OWNERS SAN JUAN 28-5 UNIT***

LYNN ADAIR GILLESPIE

ASHDLA LLC

BOLACK MINERALS CO

BURLINGTON RESOURCES O&G CO LP

CARL R MCELVAIN ESTATE

CHARLES W GAY

DUGAN PRODUCTION CORPORATION

E J E BROWN COMPANY

EVELYN G BROWN TRST U/W/O

JAMES M RAYMOND

KATHLEEN QUINN

LANGDON D HARRISON

ALGERNON W BROWN TRUST U/W/O

LORRAYN GAY HACKER

WILLIAMS PRODUCTION COMPANY

M A R OIL AND GAS CORP INC

MAYDELL MILLER MAST

PHILLIPS PETROLEUM

POOL RESOURCES LTD

PROVIDENCE MINERALS LLC

R J MCCULLOUGH J W

RUTH ZIMMERMAN TRUST

T H MCELVAIN OIL & GAS LTD

THE TINMIL

THOMAS P TINNIN

VASTAR RESOURCES INC

VAUGHAN MCELVAIN ENERGY INC

LELA L BARKLEY



44, 52 ✓



# United States Department of the Interior

## BUREAU OF LAND MANAGEMENT

Farmington Field Office  
1235 La Plata Highway, Suite A  
Farmington, New Mexico 87401

IN REPLY REFER TO:  
San Juan 28-5 Unit (Dakota PA)  
3162.7 (07100)

December 7, 2001

Burlington Resources Oil & Gas Company LP  
P.O. Box 4289  
Farmington, NM 87499-4289

RE: San Juan 28-5 Unit  
Commerciality Determination  
Dakota Formation  
Rio Arriba County, New Mexico

Dear Ms. Wimsatt:

In response to your letter dated November 20, 2001, the Farmington Field Office (FFO) has reviewed the data you submitted for a commerciality determination for the following well completed in the Dakota formation.

Well Name & Number	Dedication	Lease	Workover Date	Determination
San Juan 28-5 Unit #86	SW/4 23,T28N,R5W	NMSF079519A	9/1/99	Commercial

After completing our economic evaluation, we are in concurrence with the above determination.

The well is determined to be a commercial well and is to be included in the Dakota participating area. It is required that a revision be submitted to include this well in the San Juan 28-5 Unit Dakota Participating Area.

Under provisions of 43 CFR 3165.3, you may request an Administrative Review of the order(s) described above. Such request, including all supporting documents, must be filed in writing within 20 business days of receipt of this notice and must be filed with the State Director, Bureau of Land Management, P. O. Box 27115, Santa Fe, New Mexico 87502-0115. Such request shall not result in a suspension of the order(s) unless the reviewing official so determines. Procedures governing appeals from instructions, orders or decisions are contained in 43 CFR 3165.4 and 43 CFR 4.400 *et seq.*

If you have any questions concerning this matter, please contact Wayne Townsend at the above address or telephone (505) 599-6359.

Sincerely,

Wayne Townsend  
Petroleum Engineer  
Petroleum Management Team

RUN DATE 02/08/02  
 RUN TIME 10:32:19

BURLINGTON RESOURCES O&G CO  
 THE 021 EXPANDED PARTICIPATING AREA FOR DAKOTA FORMATION  
 SAN JUAN 28-5 UNIT AREA  
 RIO ARRIBA, NEW MEXICO  
 EFFECTIVE 10/01/1999

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	OWNERSHIP	DRILLING BLOCK	GW% PERCENTAGE	NRI PERCENTAGE	PARTICIPATION FACTOR
SF-079250	T-028N R-005W	2453.70		TRACT: 001			14.351322
	SEC. 009 SE/4 SE/4, SW/4 SW/4 (80.00 acres)		ORRI: ROYALTY: WORKING INTEREST:		0.000000 0.000000	25.625000 12.500000	
	LOT 1 (30.600000 acres)		BURLINGTON RESOURCES O&G CO LP		100.000000	61.875000	
	LOT 2 (30.590000 acres)				-----	-----	
	SEC. 010 S/2 S/2 (160.00 acres)		TOTAL		100.000000	100.000000	
	LOT 1 (30.370000 acres)						
	LOT 2 (30.440000 acres)						
	LOT 3 (30.500000 acres)						
	LOT 4 (30.570000 acres)						
	SEC. 011 S/2 S/2 (160.00 acres)						
	LOT 1 (30.040000 acres)						
	LOT 2 (30.130000 acres)						
	LOT 3 (30.210000 acres)						
	LOT 4 (30.300000 acres)						
	SEC. 012 SW/4 SW/4 (40.00 acres)						
	LOT 4 (29.950000 acres)						
	SEC. 013 W/2 NW/4 (80.00 acres)						
	SEC. 014 N/2 (320.00 acres)						
	SEC. 015 N/2 (320.00 acres)						
	SEC. 016 N/2 (320.00 acres)						
	SEC. 017 N/2 (320.00 acres)						
	SEC. 018 N/2 (320.00 acres)						

BURLINGTON RESOURCES O&G CO  
 THE 021 EXPANDED PARTICIPATING AREA FOR DAKOTA FORMATION  
 SAN JUAN 28-5 UNIT AREA  
 RIO ARRIBA, NEW MEXICO  
 EFFECTIVE 10/01/1999

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	OWNERSHIP	DRILLING BLOCK	GW% PERCENTAGE	NRI PERCENTAGE	PARTICIPATION FACTOR
-----							
	SEC. 030 NE/4, N/2 S/2 (320.00 acres)		ORRI:		0.000000	5.000000	-----
			ROYALTY:		0.000000	12.500000	
			WORKING INTEREST:				
	BURLINGTON RESOURCES O&G CO LP				100.000000	82.500000	
	TOTAL				100.000000	100.000000	
-----							
SF-079519	T-028N R-005W	171.89		TRACT: 003			1.005359
			ORRI:		0.000000	4.446093	-----
			ROYALTY:		0.000000	12.500000	
			WORKING INTEREST:				
	HARRISON LANGDON D				1.968749	1.722655	
	E J E BROWN COMPANY				2.624999	2.182030	
	BROWN EVELYN G				0.776160	0.645183	
	BROWN ALGERNON W				1.848839	1.536847	
	POOL RESOURCES LTD				5.249999	4.364061	
	TINMIL				0.328125	0.287110	
	TINNIN THOMAS P				0.328126	0.287110	
	BURLINGTON RESOURCES O&G CO LP				86.875003	72.028911	
	TOTAL				100.000000	100.000000	
-----							
SF-079519A	T-028N R-005W	2173.31		TRACT: 004			12.711363
			ORRI:		0.000000	20.781200	-----
			ROYALTY:		0.000000	12.500000	
			WORKING INTEREST:				
	HARRISON LANGDON D				0.984375	0.861328	
	RAYMOND JAMES M				0.911455	0.797523	
	DUGAN PRODUCTION COR				1.312489	1.148437	
	M A R OIL & GAS CORP				3.125000	2.734375	
	E J E BROWN COMPANY				1.312500	1.148438	
	MAST MAYDELL MILLER				0.091143	0.079750	
	QUINN KATHLEEN				0.875000	0.765625	
	T H MCELVAIN OIL & G				5.468751	4.785158	
	ZIMMERMAN RUTH TRUST				0.437500	0.382812	

RUN DATE 02/08/02  
 RUN TIME 10:32:19

BURLINGTON RESOURCES O&G CO  
 THE 021 EXPANDED PARTICIPATING AREA FOR DAKOTA FORMATION  
 SAN JUAN 28-5 UNIT AREA  
 RIO ARRIBA, NEW MEXICO  
 EFFECTIVE 10/01/1999

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	OWNERSHIP	DRILLING BLOCK	GW% PERCENTAGE	NRI PERCENTAGE	PARTICIPATION FACTOR
	(400.00 acres)		BROWN EVELYN G		0.388080	0.339570	
	SEC. 022 E/2, S/2 NW/4, SW/4		BROWN ALGERNON W		0.924420	0.808867	
	(560.00 acres)		GAY CHARLES W		0.045573	0.039877	
	SEC. 023 ALL		HACKER LORRAYN GAY		0.045573	0.039876	
	(640.00 acres)		POOL RESOURCES LTD		2.625000	2.296874	
			PROVIDENCE MINERALS LLC		1.312500	1.148437	
			TINMIL		0.164062	0.143554	
			TINNIN THOMAS P		0.164063	0.143555	
			BURLINGTON RESOURCES O&G CO LP		79.812506	49.054744	
			TOTAL		100.000000	100.000000	
SF-079520	T-028N R-005W	1156.47	ORRI:	TRACT: 005	0.000000	4.446093	6.764019
			ROYALTY:		0.000000	12.500000	
	SEC. 024 SW/4 NE/4, S/2 NW/4, W/2 SE/4, SW/4		WORKING INTEREST:				
	(360.00 acres)		HARRISON LANGDON D		1.968749	1.722655	
	LOT 2 (52.020000 acres)		E J E BROWN COMPANY		2.624999	2.182030	
	LOT 3 (52.160000 acres)		BROWN EVELYN G		0.776160	0.645183	
	LOT 4 (52.290000 acres)		BROWN ALGERNON W		1.848839	1.536847	
	SEC. 027 ALL		POOL RESOURCES LTD		5.249999	4.364061	
	(640.00 acres)		TINMIL		0.328125	0.287110	
			TINNIN THOMAS P		0.328126	0.287110	
			BURLINGTON RESOURCES O&G CO LP		86.875003	72.028911	
			TOTAL		100.000000	100.000000	
SF-079520A	T-028N R-005W	1209.12	ORRI:	TRACT: 006	0.000000	20.781200	7.071961
			ROYALTY:		0.000000	12.500000	
	SEC. 025 W/2 NE/4, W/2 SW/4, NW/4, SW/4 SE/4		WORKING INTEREST:				
	(360.00 acres)		HARRISON LANGDON D		0.984376	0.861329	
	LOT 1 (52.340000 acres)		RAYMOND JAMES M		0.911456	0.797524	
	LOT 2 (52.300000 acres)		DUGAN PRODUCTION COR		1.312500	1.148438	
	LOT 3 (52.260000 acres)		M A R OIL & GAS CORP		3.125000	2.734375	

BURLINGTON RESOURCES O&G CO  
 THE 021 EXPANDED PARTICIPATING AREA FOR DAKOTA FORMATION  
 SAN JUAN 28-5 UNIT AREA  
 RIO ARRIBA, NEW MEXICO  
 EFFECTIVE 10/01/1999

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	OWNERSHIP	DRILLING BLOCK	GW/ PERCENTAGE	NRI PERCENTAGE	PARTICIPATION FACTOR
	LOT 4 (52.220000 acres)		E J E BROWN COMPANY		1.312500	1.148438	
	SEC. 026 ALL (640.00 acres)		MAST MAYDELL MILLER		0.091144	0.079751	
			QUINN KATHLEEN		0.875000	0.766625	
			T H MCELVAIN OIL & G		5.468751	4.785158	
			ZIMMERMAN RUTH TRUST		0.437501	0.382813	
			BROWN EVELYN G		0.388080	0.339570	
			BROWN ALGERNON W		0.924420	0.808867	
			GAY CHARLES W		0.045573	0.039877	
			HACKER LORRAYN GAY		0.045573	0.039876	
			POOL RESOURCES LTD		2.625000	2.296874	
			PROVIDENCE MINERALS LLC		1.312499	1.148436	
			TINMIL		0.164062	0.143554	
			TINNIN THOMAS P		0.164063	0.143555	
			BURLINGTON RESOURCES O&G CO LP		79.812502	49.054740	
			TOTAL		100.000000	100.000000	
SF-079521	T-028N R-005W	638.72		TRACT: 007			3.735777
	SEC. 032 N/2 S/2, N/2 (480.00 acres)		ORRI:		0.000000	4.446093	
			ROYALTY:		0.000000	12.500000	
			WORKING INTEREST:				
	LOT 1 (39.710000 acres)		HARRISON LANGDON D		1.968749	1.722655	
	LOT 2 (39.690000 acres)		E J E BROWN COMPANY		2.624999	2.182030	
	LOT 3 (39.670000 acres)		BROWN EVELYN G		0.776160	0.645183	
	LOT 4 (39.650000 acres)		BROWN ALGERNON W		1.848839	1.536847	
			POOL RESOURCES LTD		5.249999	4.364061	
			TINMIL		0.328125	0.287110	
			TINNIN THOMAS P		0.328126	0.287110	
			BURLINGTON RESOURCES O&G CO LP		86.875003	72.028911	
			TOTAL		100.000000	100.000000	
SF-079521A	T-028N R-005W	1919.28		TRACT: 008			11.225579
	SEC. 028 SE/4 NE/4, SE/4 NW/4, W/2 NW/4		ORRI:		0.000000	20.781200	
			ROYALTY:		0.000000	12.500000	

RUN DATE 02/08/02  
 RUN TIME 10:32:19

BURLINGTON RESOURCES O&G CO  
 THE 021 EXPANDED PARTICIPATING AREA FOR DAKOTA FORMATION  
 SAN JUAN 28-5 UNIT AREA  
 RIO ARRIBA, NEW MEXICO  
 EFFECTIVE 10/01/1999

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	OWNERSHIP	DRILLING BLOCK	GW% PERCENTAGE	NRI PERCENTAGE	PARTICIPATION FACTOR
	S/2		WORKING INTEREST:				
	(480.00 acres)		HARRISON LANGDON D		0.984375	0.861328	
	SEC. 029 ALL		RAYMOND JAMES M		0.911455	0.797523	
	(640.00 acres)		DUGAN PRODUCTION COR		1.312499	1.148437	
	SEC. 030 S/2 S/2		M A R OIL & GAS CORP		3.125000	2.734375	
	(160.00 acres)		E J E BROWN COMPANY		1.312500	1.148437	
	SEC. 031 N/2 S/2, N/2		MAST MAYDELL MILLER		0.091144	0.079751	
	(480.00 acres)		QUINN KATHLEEN		0.875000	0.765625	
	LOT 1 (39.680000 acres)		T H MCCELVAIN OIL & G		5.468753	4.785160	
	LOT 2 (39.780000 acres)		ZIMMERMAN RUTH TRUST		0.437501	0.382813	
	LOT 3 (39.860000 acres)		BROWN EVELYN G		0.388080	0.339570	
	LOT 4 (39.960000 acres)		BROWN ALGERNON W		0.924420	0.808868	
			GAY CHARLES W		0.045573	0.039877	
			HACKER LORRAYN GAY		0.045574	0.039877	
			POOL RESOURCES LTD		2.625000	2.296874	
			PROVIDENCE MINERALS LLC		1.312499	1.148436	
			TINMILL		0.164062	0.143554	
			TINNIN THOMAS P		0.164063	0.143555	
			BURLINGTON RESOURCES O&G CO LP		79.812502	49.054740	
			TOTAL		100.000000	100.000000	
SF-079522	T-028N R-005W	1590.59	ORRI:	TRACT: 009	0.000000	2.500000	9.303121
	SEC. 021 SW/4 SW/4		ROYALTY:		0.000000	12.500000	
	(40.00 acres)		WORKING INTEREST:				
	SEC. 033 N/2 S/2, E/2 NE/4, W/2 NW/4		VASTAR RESOURCES INC		100.000000	85.000000	
	(320.00 acres)		TOTAL		100.000000	100.000000	
	LOT 1 (43.260000 acres)						
	LOT 2 (42.200000 acres)						
	LOT 3 (41.120000 acres)						
	LOT 4 (40.070000 acres)						
	SEC. 034 N/2, N/2 SE/4						
	(400.00 acres)						
	LOT 2 (46.420000 acres)						

RUN DATE 02/08/02  
 RUN TIME 10:32:19

BURLINGTON RESOURCES O&G CO  
 THE 021 EXPANDED PARTICIPATING AREA FOR DAKOTA FORMATION  
 SAN JUAN 28-5 UNIT AREA  
 RIO ARriba, NEW MEXICO  
 EFFECTIVE 10/01/1999

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	OWNERSHIP	DRILLING BLOCK	GWI PERCENTAGE	NRI PERCENTAGE	PARTICIPATION FACTOR
SF-079522A	T-028N R-005W	411.57		TRACT: 009A			2.407211
	SEC. 036 N/2 SW/4, NW/4 SE/4 (120.00 acres)		ORRI:		0.000000	2.500000	
			ROYALTY:		0.000000	12.500000	
			WORKING INTEREST:				
			VASTAR RESOURCES INC		100.000000	85.000000	
	LOT 3 (52.620000 acres)						
	LOT 4 (53.290000 acres)						
	LOT 5 (54.500000 acres)		TOTAL		100.000000	100.000000	
	LOT 6 (55.710000 acres)						
	LOT 7 (52.800000 acres)						
	LOT 8 (22.650000 acres)						
NM-012880	T-028N R-005W	40.00		TRACT: 010			0.233954
	SEC. 021 NE/4 NE/4 (40.00 acres)		ORRI:		0.000000	1.000000	
			ROYALTY:		0.000000	12.500000	
			WORKING INTEREST:				
			BURLINGTON RESOURCES O&G CO LP		100.000000	86.500000	
			TOTAL		100.000000	100.000000	
SF-080505	T-028N R-005W	160.00		TRACT: 011			0.935816
	SEC. 030 NW/4 (160.00 acres)		ORRI:		0.000000	10.000000	
			ROYALTY:		0.000000	12.500000	
			WORKING INTEREST:				
			BURLINGTON RESOURCES O&G CO LP		100.000000	77.500000	

RUN DATE 02/08/02  
 RUN TIME 10:32:19

BURLINGTON RESOURCES O&G CO  
 THE 021 EXPANDED PARTICIPATING AREA FOR DAKOTA FORMATION  
 SAN JUAN 28-5 UNIT AREA  
 RIO ARRIBA, NEW MEXICO  
 EFFECTIVE 10/01/1999

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	OWNERSHIP	DRILLING BLOCK	GWI PERCENTAGE	NRI PERCENTAGE	PARTICIPATION FACTOR
SF-080505-B	T-028N R-005W	160.00		TRACT: 012			0.935816
	SEC. 019 SW/4 (160.00 acres)		ORRI: ROYALTY: WORKING INTEREST: BURLINGTON RESOURCES O&G CO LP		0.000000 0.000000 100.000000	4.000000 12.500000 83.500000	
	TOTAL				100.000000	100.000000	
SF-080516B	T-028N R-005W	520.00		TRACT: 013			3.041402
	SEC. 013 SW/4, W/2 SE/4, SE/4 NW/4 (280.00 acres) SEC. 015 SE/4, N/2 SW/4 (240.00 acres)		ORRI: ROYALTY: WORKING INTEREST: BURLINGTON RESOURCES O&G CO LP		0.000000 0.000000 100.000000	0.000000 12.500000 87.500000	
	TOTAL				100.000000	100.000000	
SF-080516	T-028N R-005W	640.00		TRACT: 014			3.743263
	SEC. 014 S/2 (320.00 acres) SEC. 016 S/2 (320.00 acres)		ORRI: ROYALTY: WORKING INTEREST: BOLACK MINERALS		0.000000 0.000000 100.000000	0.000000 12.500000 87.500000	
	TOTAL				100.000000	100.000000	
SF-080516-A	T-028N R-005W	1320.00		TRACT: 015			7.720481
	SEC. 017 S/2 (320.00 acres) SEC. 018 SE/4 SW/4, N/2 S/2, S/2 SE/4 (280.00 acres) SEC. 019 E/2, E/2 NW/4 (400.00 acres) SEC. 020 W/2		ORRI: ROYALTY: WORKING INTEREST: BURLINGTON RESOURCES O&G CO LP		0.000000 0.000000 100.000000	5.000000 12.500000 82.500000	
	TOTAL				100.000000	100.000000	



RUN DATE 02/08/02  
 RUN TIME 10:32:19

BURLINGTON RESOURCES O&G CO  
 THE 021 EXPANDED PARTICIPATING AREA FOR DAKOTA FORMATION  
 SAN JUAN 28-5 UNIT AREA  
 RIO ARRIBA, NEW MEXICO  
 EFFECTIVE 10/01/1999

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	OWNERSHIP	DRILLING BLOCK	GW PERCENTAGE	NRI PERCENTAGE	PARTICIPATION FACTOR
NIM-010516	T-028N R-005W ----- SEC. 007 S/2 S/2 (160.00 acres)	565.80		TRACT: 016	0.000000	25.625000	3.309279
	LOT 1 (30.820000 acres)		ORRI:		0.000000		
	LOT 2 (30.760000 acres)		ROYALTY:		0.000000	12.500000	
	LOT 3 (30.720000 acres)		WORKING INTEREST:				
	LOT 4 (30.660000 acres)		BURLINGTON RESOURCES O&G CO LP		100.000000	61.875000	
	SEC. 008 S/2 S/2 (160.00 acres)		TOTAL		100.000000	100.000000	
	LOT 1 (30.610000 acres)						
	LOT 2 (30.680000 acres)						
	LOT 3 (30.740000 acres)						
	LOT 4 (30.810000 acres)						
GOMEZ, J. CRIST-T-028N R-005W		141.17		TRACT: 017	0.000000	5.000000	0.825682
	SEC. 009 SE/4 SW/4, SW/4 SE/4 (80.00 acres)		ORRI:		0.000000	10.227272	
	LOT 3 (30.590000 acres)		ROYALTY:		0.000000		
	LOT 4 (30.580000 acres)		WORKING INTEREST:				
	TOTAL		BURLINGTON RESOURCES O&G CO LP		100.000000	84.772728	
			TOTAL		100.000000	100.000000	
TRUJILLO, M A T-028N R-005W		80.00		TRACT: 018	0.000000	0.000000	0.467908
	SEC. 022 N/2 NW/4 (80.00 acres)		ORRI:		0.000000	12.500000	
			ROYALTY:		0.000000		
			WORKING INTEREST:				
			BURLINGTON RESOURCES O&G CO LP		100.000000	87.500000	
			TOTAL		100.000000	100.000000	
TRUJILLO, M A T-028N R-005W		80.00		TRACT: 018A	0.000000	0.000000	0.467908
			ORRI:		0.000000		

THE 021 EXPANDED PARTICIPATING AREA FOR DAKOTA FORMATION  
 BURLINGTON RESOURCES O&G CO  
 SAN JUAN 28-5 UNIT AREA  
 RIO ARRIBA, NEW MEXICO  
 EFFECTIVE 10/01/1999

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	OWNERSHIP	DRILLING BLOCK	GW PERCENTAGE	NRI PERCENTAGE	PARTICIPATION FACTOR
HORACE F. MCINTOSH-028N R-005W							
	SEC. 015 S/2 SW/4 (80.00 acres)		ROYALTY: WORKING INTEREST: BURLINGTON RESOURCES O&G CO LP		0.000000 100.000000	12.500000 87.500000	
	TOTAL	120.00			100.000000	100.000000	0.701862
GEORGE P. DENT-028N R-005W							
	SEC. 018 SW/4 SW/4 (40.00 acres)		ROYALTY: WORKING INTEREST: VASTAR RESOURCES INC		0.000000 100.000000	0.000000 87.500000	
	SEC. 019 W/2 NW/4 (80.00 acres)		ROYALTY: WORKING INTEREST: VASTAR RESOURCES INC		0.000000 100.000000	0.000000 87.500000	
	TOTAL	160.00			100.000000	100.000000	0.935816
RUSSELL E. ARNT-028N R-005W							
	SEC. 021 E/2 SW/4, NW/4 SW/4, SW/4 SE/4 (160.00 acres)		ROYALTY: WORKING INTEREST: VASTAR RESOURCES INC		0.000000 100.000000	0.000000 87.500000	
	TOTAL	120.00			100.000000	100.000000	0.701862
GEORGE F. DENT-028N R-005W							
	SEC. 028 NE/4 NW/4, N/2 NE/4, SW/4 NE/4 (160.00 acres)		ROYALTY: WORKING INTEREST: VASTAR RESOURCES INC		0.000000 100.000000	0.000000 87.500000	
	TOTAL	160.00			100.000000	100.000000	0.935816

RUN DATE 02/08/02  
 RUN TIME 10:32:19

BURLINGTON RESOURCES O&G CO  
 THE 021 EXPANDED PARTICIPATING AREA FOR DAKOTA FORMATION  
 SAN JUAN 28-5 UNIT AREA  
 RIO ARRIBA, NEW MEXICO  
 EFFECTIVE 10/01/1999

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	OWNERSHIP	DRILLING BLOCK	GW PERCENTAGE	NRI PERCENTAGE	PARTICIPATION FACTOR
LOBATO, G H T-028N R-005W							
	-----	329.70		TRACT: 023			1.928365
	SEC. 033 W/2 NE/4, E/2 NW/4 (160.00 acres)		ORRI:		0.000000	5.000000	-----
			ROYALTY:		0.000000	12.500000	
			WORKING INTEREST:				
	SEC. 034 N/2 SW/4 (80.00 acres)		BURLINGTON RESOURCES O&G CO LP		100.000000	82.500000	
			TOTAL		100.000000	100.000000	
	LOT 3 (45.380000 acres)						
	LOT 4 (44.320000 acres)						
RUSSELL E. ARIT-028N R-005W							
	-----	296.06		TRACT: 024			1.731610
	SEC. 034 (47.48 acres)		ORRI:		0.000000	0.000000	-----
	LOT 1 (47.480000 acres)		ROYALTY:		0.000000	12.500000	
			WORKING INTEREST:				
	SEC. 035 S/2 NE/4, NW/4 SE/4, N/2 SW/4 (200.00 acres)		VASTAR RESOURCES INC		100.000000	87.500000	
			TOTAL		100.000000	100.000000	
	LOT 4 (48.580000 acres)						
RUSSELL E. ARIT-028N R-005W							
	-----	160.00		TRACT: 025			0.935816
	SEC. 035 NW/4 (160.00 acres)		ORRI:		0.000000	0.000000	-----
			ROYALTY:		0.000000	12.500000	
			WORKING INTEREST:				
			VASTAR RESOURCES INC		100.000000	87.500000	
			TOTAL		100.000000	100.000000	

THE 021 EXPANDED PARTICIPATING AREA FOR DAKOTA FORMATION  
SAN JUAN 28-5 UNIT AREA

DESCRIPTION OF COMMITTED LANDS IN PARTICIPATING AREA:  
TOWNSHIP 028N, RANGE 005W

SEC. 007 S/2 S/2

LOT: 1 (30.820000 acres)

LOT: 2 (30.760000 acres)

LOT: 3 (30.720000 acres)

LOT: 4 (30.660000 acres)

SEC. 008 S/2 S/2

LOT: 1 (30.610000 acres)

LOT: 2 (30.680000 acres)

LOT: 3 (30.740000 acres)

LOT: 4 (30.810000 acres)

SEC. 009 SE/4 SE/4, SW/4 SW/4

LOT: 1 (30.600000 acres)

LOT: 2 (30.590000 acres)

SEC. 009 SE/4 SW/4, SW/4 SE/4

LOT: 3 (30.590000 acres)

LOT: 4 (30.580000 acres)

SEC. 010 S/2 S/2

LOT: 1 (30.370000 acres)

LOT: 2 (30.440000 acres)

LOT: 3 (30.500000 acres)

LOT: 4 (30.570000 acres)

SEC. 011 S/2 S/2

LOT: 1 (30.040000 acres)

LOT: 2 (30.130000 acres)

LOT: 3 (30.210000 acres)

LOT: 4 (30.300000 acres)

SEC. 012 SW/4 SE/4, SE/4 SW/4

LOT: 3 (29.860000 acres)

SEC. 012 SW/4 SW/4

LOT: 4 (29.950000 acres)

SEC. 013 SW/4, W/2 SE/4, SE/4 NW/4

SEC. 013 NE/4 NW/4

LOT: 3 (51.680000 acres)

LOT: 4 (51.770000 acres)

SEC. 013 W/2 NW/4

SEC. 014 S/2

SEC. 014 N/2

SEC. 015 S/2 SW/4

SEC. 015 SE/4, N/2 SW/4

SEC. 015 N/2

SEC. 016 S/2

SEC. 016 N/2

SEC. 017 S/2

RECAPITULATION

THE 021 EXPANDED PARTICIPATING AREA FOR DAKOTA FORMATION  
SAN JUAN 28-5 UNIT AREA

DESCRIPTION OF COMMITTED LANDS IN PARTICIPATING AREA:

DESCRIPTION OF NON-COMMITTED LANDS IN PARTICIPATING AREA:

- SEC. 017 N/2
- SEC. 018 SE/4 SW/4, N/2 S/2, S/2 SE/4
- SEC. 018 SW/4 SW/4
- SEC. 018 N/2
- SEC. 019 SW/4
- SEC. 019 W/2 NW/4
- SEC. 019 E/2, E/2 NW/4
- SEC. 020 E/2
- SEC. 020 W/2
- SEC. 021 SW/4 SW/4
- SEC. 021 NE/4 NE/4
- SEC. 021 E/2 SW/4, NW/4 SW/4, SW/4 SE/4
- SEC. 021 NW/4 NE/4, S/2 NE/4, N/2 SE/4, SE/4 SE/4, NW/4
- SEC. 022 N/2 NW/4
- SEC. 022 E/2, S/2 NW/4, SW/4
- SEC. 023 ALL
- SEC. 024 NW/4 NE/4, N/2 NW/4
- LOT: 1 (51.890000 acres)
- SEC. 024 SW/4 NE/4, S/2 NW/4, W/2 SE/4, SW/4
- LOT: 2 (52.020000 acres)
- LOT: 3 (52.160000 acres)
- LOT: 4 (52.290000 acres)
- SEC. 025 W/2 NE/4, W/2 SW/4, NW/4, SW/4 SE/4
- LOT: 1 (52.340000 acres)
- LOT: 2 (52.300000 acres)
- LOT: 3 (52.260000 acres)
- LOT: 4 (52.220000 acres)
- SEC. 025 E/2 SW/4, NW/4 SE/4
- SEC. 026 ALL
- SEC. 027 ALL
- SEC. 028 SE/4 NE/4, SE/4 NW/4, W/2 NW/4, S/2
- SEC. 028 NE/4 NW/4, N/2 NE/4, SW/4 NE/4
- SEC. 029 ALL
- SEC. 030 NE/4, N/2 S/2
- SEC. 030 NW/4
- SEC. 030 S/2 S/2
- SEC. 031 N/2 S/2, N/2
- LOT: 1 (39.680000 acres)
- LOT: 2 (39.780000 acres)
- LOT: 3 (39.860000 acres)
- LOT: 4 (39.960000 acres)
- SEC. 032 N/2 S/2, N/2
- LOT: 1 (39.710000 acres)
- LOT: 2 (39.690000 acres)

THE 021 EXPANDED PARTICIPATING AREA FOR DAKOTA FORMATION  
SAN JUAN 28-5 UNIT AREA

DESCRIPTION OF COMMITTED LANDS IN PARTICIPATING AREA:

DESCRIPTION OF NON-COMMITTED LANDS IN PARTICIPATING AREA:

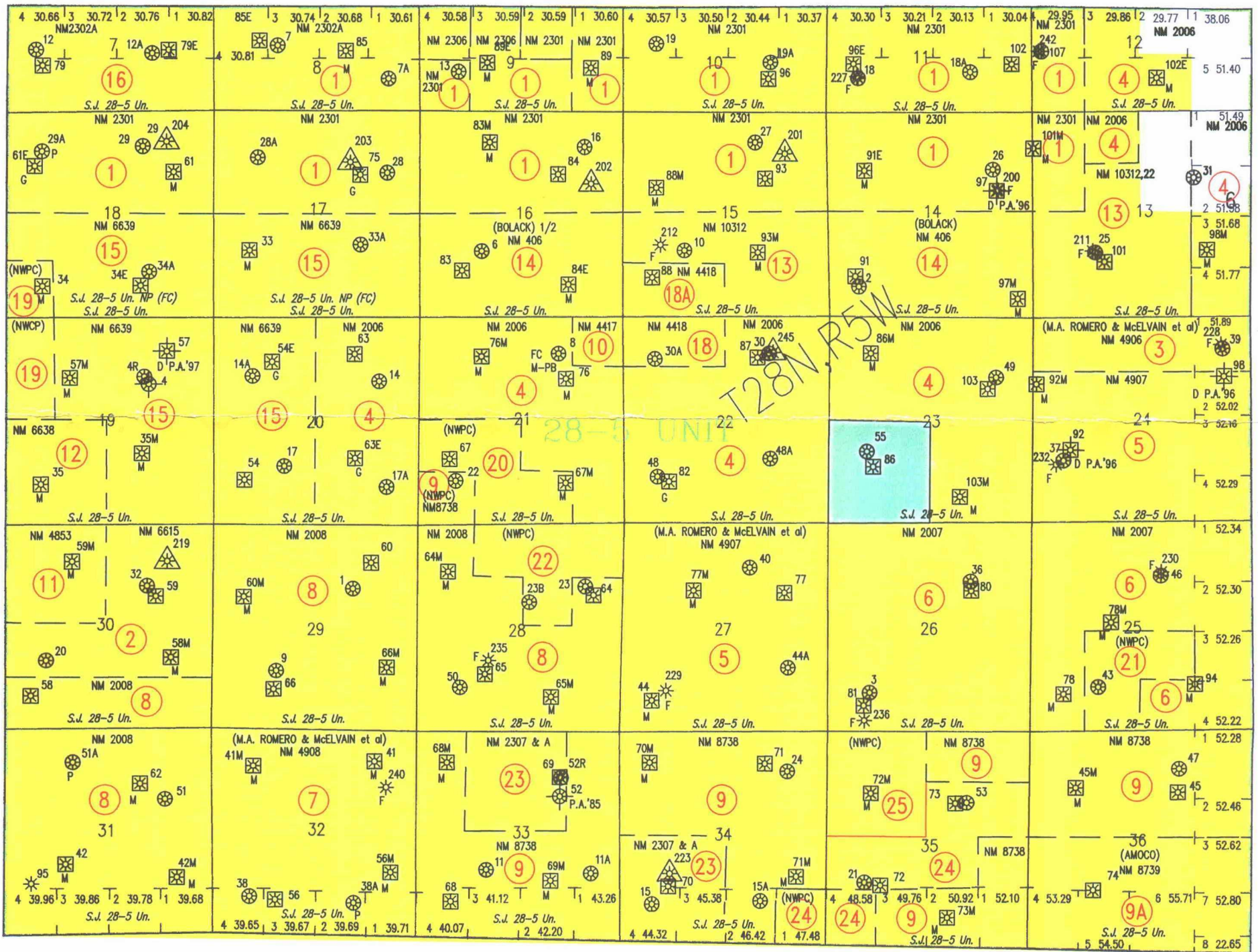
LOT: 3 (39.670000 acres)  
LOT: 4 (39.650000 acres)  
SEC. 033 W/2 NE/4, E/2 NW/4  
SEC. 033 N/2 S/2, E/2 NE/4, W/2 NW/4  
LOT: 1 (43.260000 acres)  
LOT: 2 (42.200000 acres)  
LOT: 3 (41.120000 acres)  
LOT: 4 (40.070000 acres)  
SEC. 034  
LOT: 1 (47.480000 acres)  
SEC. 034 N/2 SW/4  
LOT: 3 (45.380000 acres)  
LOT: 4 (44.320000 acres)  
SEC. 034 N/2, N/2 SE/4  
LOT: 2 (46.420000 acres)  
SEC. 035 NW/4  
SEC. 035 S/2 NE/4, NW/4 SE/4, N/2 SW/4  
LOT: 4 (48.580000 acres)  
SEC. 035 NE/4 SE/4, N/2 NE/4  
LOT: 1 (52.100000 acres)  
LOT: 2 (50.920000 acres)  
LOT: 3 (49.760000 acres)  
SEC. 036 N/2 SW/4, NW/4 SE/4  
LOT: 3 (52.620000 acres)  
LOT: 4 (53.290000 acres)  
LOT: 5 (54.500000 acres)  
LOT: 6 (55.710000 acres)  
LOT: 7 (52.800000 acres)  
LOT: 8 (22.650000 acres)  
SEC. 036 W/2 NE/4, NW/4  
LOT: 1 (52.280000 acres)  
LOT: 2 (52.460000 acres)

TOTAL ACRES COMMITTED: 17097.38

TOTAL NUMBER OF ACRES IN PARTICIPATING AREA: 17097.38

TOTAL ACRES NON-COMMITTED: 0.00

EFFECTIVE DATE: 10/01/99



T  
28  
N

SAN JUAN 28-5 UNIT

- FRUITLAND
- PICTURED CLIFFS
- MESAVERDE
- DAKOTA
- DAKOTA PARTICIPATING AREA  
20th Expansion Effective 11/1/79
- 21st Expansion Effective 10/1/99

BURLINGTON  
RESOURCES

Business Development Department  
Feb. 8, 2002



# BURLINGTON RESOURCES

SAN JUAN DIVISION

OIL CONSERVATION DIV  
NOV 26 PM 3:15  
November 20, 2001

Bureau of Land Management  
Attn: Mr. Wayne Townsend  
Farmington Resource Area  
1235 La Plata Highway  
Farmington, NM 87401

State of New Mexico  
Oil Conservation Division  
Attn: Ms. Lori Wrottenbery  
2040 South Pacheco  
Santa Fe, NM 87505

RE: **San Juan 28-5 Unit (#14-08-001-949)**  
Commercial Determination  
Dakota Formation  
Rio Arriba County, New Mexico

Gentlemen:

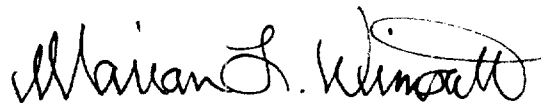
Pursuant to the provisions of Section 11(a) of the San Juan 28-5 Unit Agreement, #14-08-001-949, approved August 25, 1953, Burlington Resources Oil & Gas Company LP, as Operator, has determined that the well listed below is capable of producing unitized substances in paying quantities from the Dakota formation. Burlington is seeking confirmation of the paying well determination enclosed.

<u>BR's</u>	<u>Well Name</u>	<u>Well</u>	<u>Dedicated</u>	<u>Workover</u>	<u>Commericality</u>
<u>AIN No.</u>	<u>&amp; Number</u>	<u>Dedication</u>	<u>Lease</u>	<u>Date</u>	<u>Determination</u>
5241701	San Juan 28-5 Unit NP#86	W/2 23-28N-5W	SF-079519-A	9/1/99	Commercial

Upon receipt of response from the Bureau of Land Management and the New Mexico Oil Conservation Division, the formal Participating Area Schedule will be prepared and submitted.

Copies of this letter are being sent to the working interest owners on the attached sheet. If you have any questions or need any additional information, please contact the undersigned at (505) 326-9860.

Very truly yours,



Marian L. Wimsatt, CPLTA  
Land Analyst

MLW:ll  
San Juan 28-5 Unit, 4.3  
cc: Matt Gray  
Linda Dean



**BURLINGTON RESOURCES**  
**COMMERCIALITY DETERMINATION**  
**BLM DATA SHEET**  
**SAN JUAN 28-5 UNIT NP 86**

WELL INFORMATION

LEASE SAN JUAN 28-5 UNIT NP 86  
 LOCATION 023028N005W4 SW/4  
 COUNTY STATE RIO ARRIBA, NEW MEXICO  
 FORMATION DAKOTA  
 PROJECT TYPE PLUNGER LIFT  
 WELL TYPE GAS WELL  
 OPERATOR BURLINGTON RESOURCES O&G CO LP  
 SPUD DATE 4/12/71  
 COMP DATE 5/20/71  
 1ST DELIVERY 6/8/01  
 COMM GWI % 100.00  
 COMM NRI % 87.50  
 BOARD RATE % 8.00

PRODUCTION TAXES

TAXES FOR: RIO ARRIBA, NEW MEXICO  
 1996-1999 Commerciality

GAS % OF REVENUE

SEVERANCE:  
 Severance, School, Conservation 7.93

AD VALOREM:  
 Production, Equipment 1.40

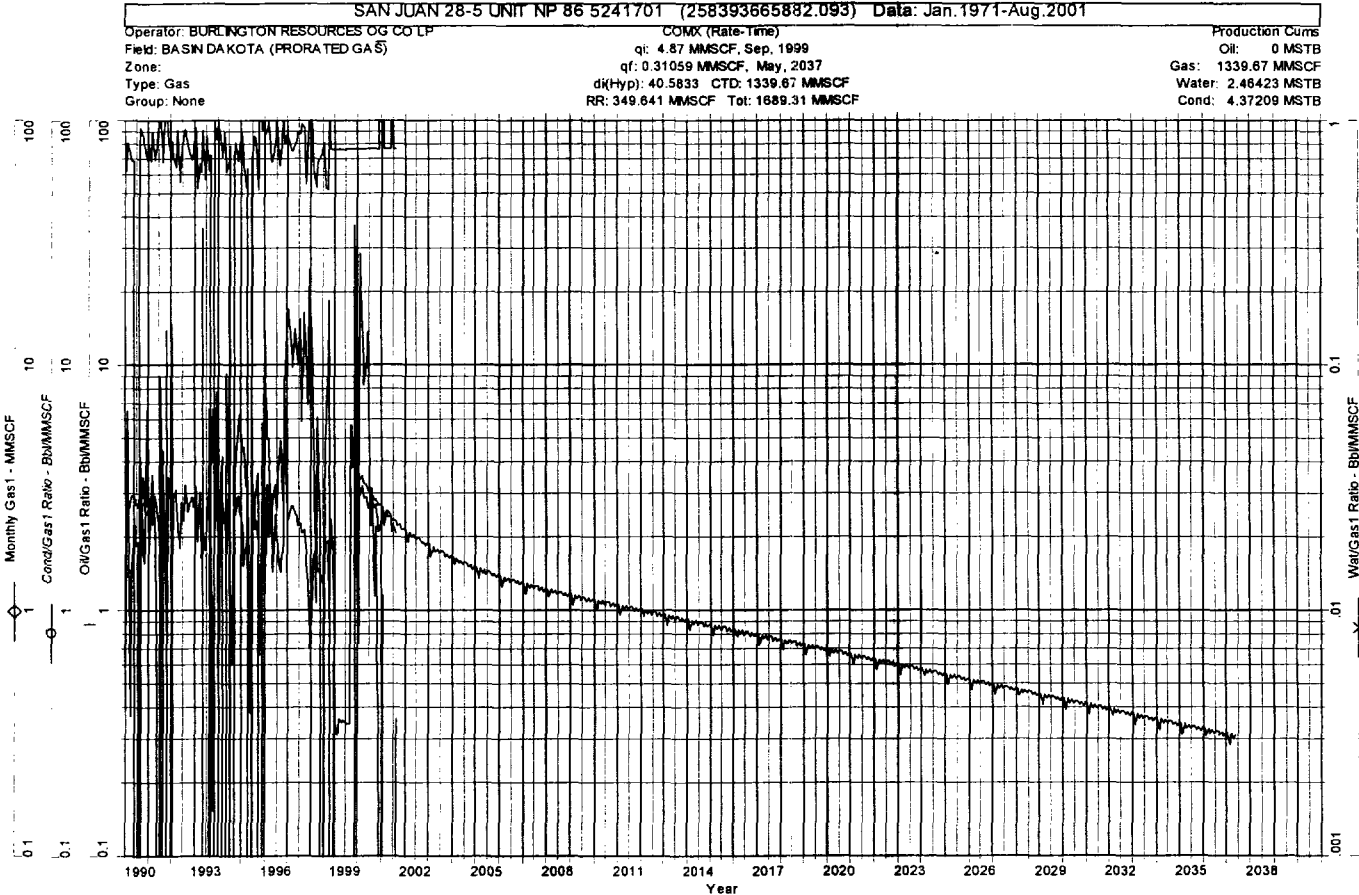
TOTAL %: 9.33

AVERAGE HEAT CONTENT

1,125 MMBtu / Mcf

WELL COST AND ECONOMICS

550.00 M\$ AVERAGE WELL COST  
 419.09 MMCF ULT. GROSS GAS RESERVES  
 92.67 MCFD INITIAL GAS RATE  
 8.11 % RATE OF RETURN  
 0.01 \$/\$ P/I, DISC. @ 8.00 %  
 3.48 M\$ NET PRESENT VALUE, DISC. @ 8.00 %  
 9.37 YRS PAYOUT



COMMERCIALITY DETERMINATION  
 LM DATA SHEET  
 SAN JUAN 28-5 UNIT NP 86

CASH FLOW SUMMARY

Date	Gas1 Rate	Gas1 Volume	Net Gas Volume	Gas1 Price	Gas Price	Net Revenue	Production Taxes	Total Opcosts	Total Oper Inc	Total Capital	Total BT Cash
	mcf/d	MMSCF	MMSCF	\$/MMBTU	\$/mcf	M\$	M\$	M\$	M\$	M\$	M\$
1999(12)	92.7	17.1	14.9	3.23	3.63	54.22	5.71	1.64	46.86	550.00	-503.14
2000(12)	92.1	33.7	29.5	3.23	3.63	107.19	11.29	3.29	92.61	0.00	92.61
2001(12)	75.2	27.4	24.0	3.23	3.63	87.26	9.19	3.29	74.78	0.00	74.78
2002(12)	64.5	23.5	20.6	3.23	3.63	74.81	7.88	3.29	63.64	0.00	63.64
2003(12)	56.6	20.6	18.1	3.23	3.63	65.65	6.92	3.29	55.44	0.00	55.44
2004(12)	51.0	18.7	16.3	3.23	3.63	59.36	6.25	3.29	49.82	0.00	49.82
2005(12)	46.8	17.1	15.0	3.23	3.63	54.34	5.73	3.29	45.33	0.00	45.33
2006(12)	43.5	15.9	13.9	3.23	3.63	50.52	5.32	3.29	41.91	0.00	41.91
2007(12)	40.8	14.9	13.0	3.23	3.63	47.40	4.99	3.29	39.12	0.00	39.12
2008(12)	38.6	14.1	12.4	3.23	3.63	44.92	4.73	3.29	36.90	0.00	36.90
2009(12)	36.7	13.4	11.7	3.23	3.63	42.58	4.49	3.29	34.81	0.00	34.81
2010(12)	35.0	12.8	11.2	3.23	3.63	40.63	4.28	3.29	33.06	0.00	33.06
2011(12)	33.4	12.2	10.7	3.23	3.63	38.78	4.09	3.29	31.41	0.00	31.41
2012(12)	31.9	11.7	10.2	3.23	3.63	37.12	3.91	3.29	29.92	0.00	29.92
2013(12)	30.4	11.1	9.7	3.23	3.63	35.33	3.72	3.29	28.32	0.00	28.32
2014(12)	29.1	10.6	9.3	3.23	3.63	33.72	3.55	3.29	26.88	0.00	26.88
2015(12)	27.7	10.1	8.9	3.23	3.63	32.19	3.39	3.29	25.51	0.00	25.51
2016(12)	26.5	9.7	8.5	3.23	3.63	30.81	3.25	3.29	24.28	0.00	24.28
2017(12)	25.3	9.2	8.1	3.23	3.63	29.33	3.09	3.29	22.95	0.00	22.95
2018(12)	24.1	8.8	7.7	3.23	3.63	27.99	2.95	3.29	21.76	0.00	21.76
Sub.	0.0	312.7	273.6	0.00	0.00	994.14	104.74	64.12	825.29	550.00	275.29
Rem.	0.0	106.4	93.1	0.00	0.00	338.37	35.65	60.55	242.16	0.00	242.16
Total	0.0	419.1	366.7	0.00	0.00	1,332.51	140.39	124.67	1,067.45	550.00	517.45

# BURLINGTON RESOURCES

SAN JUAN DIVISION

August 16, 2001

Bureau of Land Management  
Farmington Resource Area  
1235 La Plata Highway  
Farmington, NM 87401

Commissioner of Public Lands  
State of New Mexico  
P. O. Box 1148  
Santa Fe, NM 87501-1148

Oil Conservation Division  
State of New Mexico  
2040 S. Pacheco  
Santa Fe, NM 87505

**RE: First Amendment  
2001 Plan of Development  
SAN JUAN 28-5 UNIT, 14-08-001-949  
RIO ARRIBA COUNTY, NEW MEXICO**

Ladies and Gentlemen:

By letter, dated February 21, 2001, the 2001 Plan of Development for the referenced unit was submitted for your approval. Subsequently it has been determined the following wells should be included:

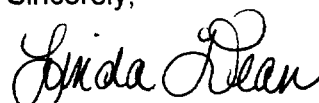
Well Name	Formation	Type	Dedication
SAN JUAN 28-5 UNIT 201S	Fruitland	New Drill - Single	N/2 15-027N-005W

The working interest owners are being furnished a copy of this letter. Burlington Resources Oil & Gas Company LP, as Unit Operator, will drill any offset wells required to prevent drainage of unitized substances and any other wells deemed necessary by the working interest owners or Unit Operator.

In accordance with Section 10 of the Unit Agreement, please provide your approvals by executing and returning a copy of this letter to the attention of the undersigned.

Please contact me at (505) 326-9760 if there are any questions regarding this letter.

Sincerely,



Linda Dean  
Land Advisor  
[ldean@br-inc.com](mailto:ldean@br-inc.com)

San Juan 28-5 Unit, 3.0 (2001)

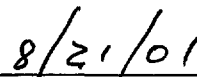
San Juan 28-5 Unit  
First Amendment  
2001 Plan of Development  
August 16, 2001  
Page 2

**SAN JUAN 28-5 UNIT  
FIRST AMENDMENT  
2001 PLAN OF DEVELOPMENT**

\_\_\_\_\_  
**Bureau of Land Management**

\_\_\_\_\_  
**Date**

  
\_\_\_\_\_  
**New Mexico Oil Conservation Division**

  
\_\_\_\_\_  
**Date**

\_\_\_\_\_  
**New Mexico Commissioner of Public Lands**

\_\_\_\_\_  
**Date**

# ***WORKING INTEREST OWNERS SAN JUAN 28-5 UNIT***

LYNN ADAIR GILLESPIE

ASHDLA LLC

BOLACK MINERALS CO

BURLINGTON RESOURCES O&G CO LP

CARL R MCELVAIN ESTATE

CHARLES W GAY

DUGAN PRODUCTION CORPORATION

E J E BROWN COMPANY

EVELYN G BROWN TRST U/W/O

JAMES M RAYMOND

KATHLEEN QUINN

LANGDON D HARRISON

ALGERNON W BROWN TRUST U/W/O

LORRAYN GAY HACKER

WILLIAMS PRODUCTION COMPANY

M A R OIL AND GAS CORP INC

MAYDELL MILLER MAST

PHILLIPS PETROLEUM

POOL RESOURCES LTD

PROVIDENCE MINERALS LLC

R J MCCULLOUGH J W

ROBERT & FRANCES TINNIN

RUTH ZIMMERMAN TRUST

T H MCELVAIN OIL & GAS LTD

VASTAR RESOURCES INC

VAUGHAN MCELVAIN ENERGY INC

LELA L BARKLEY

# BURLINGTON RESOURCES

5 25 2001

SAN JUAN DIVISION

May 22, 2001

Bureau of Land Management (3)  
Attn: Geneva McDougall  
1235 La Plata Highway  
Farmington, NM 87401

Commissioner of Public Lands (2)  
Attn: Mr. Peter Martinez  
State of New Mexico  
P.O. Box 1148  
Santa Fe, NM 87501-1148

State of New Mexico (2)  
Oil Conservation Division  
Energy & Minerals Department  
Attn: Lori Wrotenbery  
2040 South Pacheco  
Santa Fe, NM 87505

RE: San Juan 28-5 Unit, #14-08-001-949  
Rio Arriba County, New Mexico  
Mesaverde Participating Area  
Twenty-Eighth Expansion, effective 11/1/98

Gentlemen:

Pursuant to Section 11(a) of the Unit Agreement for the referenced Unit, approved August 25, 1953, Burlington Resources Oil & Gas Company LP, as Unit Operator, has determined that the following well is capable of producing unitized substances in paying quantities from the Mesaverde formation and thereby should be admitted to the Mesaverde Participating Area. Pursuant to a BLM letter, the San Juan 28-5 Unit #107 & #102E wells have been deemed commercial and are being admitted into the 28<sup>th</sup> expansion as follows:

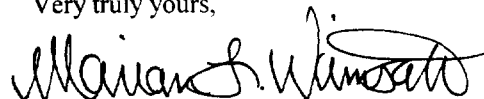
### Twenty-Eighth Expansion - Effective 11/1/98

<u>Well No./ Description</u>	<u>Tract/Acres</u>	<u>Tract Description</u>	<u>Completion</u>
San Juan 28-5 Unit #107	Tr.#004/220.09acres	SW/SE, SE/SW	10/5/98
San Juan 28-5 Unit #102E E/2, Sec. 12, T28N, R5W	Tr.#001/69.95acres	Lots 1(38.06), 2(29.77), 3(29.86), 5(51.40) SW/SW, Lot 4 (29.95)	7/20/99

The participating area schedule for the 28<sup>th</sup> expansion is enclosed. The schedule describes the participating area and shows the percentage of unitized substances allocated to the tracts according to the ownership within the tracts.

We would appreciate consideration of this Expansion as soon as possible. Please contact the undersigned at (505) 326-9860, if there are any questions. Copies of this letter are being furnished to the Working Interest Owners on the attached list.

Very truly yours,



Marian L. Wimsatt, CPLTA  
Land Analyst

MLW:ll  
SJ 28-5, 4.2  
cc: Linda Dean

# ***WORKING INTEREST OWNERS SAN JUAN 28-5 UNIT***

LORRAYN GAY HACKER

ASHDLA LLC

BOLACK MINERALS CO

BURLINGTON RESOURCES OIL & GAS CO LP

CARL R MCELVAIN ESTATE

CHARLES W GAY

DEVON ENERGY PRODUCTION CO LP

DUGAN PRODUCTION CORPORATION

E J E BROWN COMPANY

EVELYN G BROWN TRST U/W/O

JAMES M RAYMOND

KATHLEEN QUINN

ALGERNON W BROWN TRUST U/W/O

LELA L BARKLEY

WILLIAMS PRODUCTION COMPANY

LYNN ADAIR GILLESPIE

M A R OIL AND GAS CORP INC

MAYDELL MILLER MAST

PHILLIPS PETROLEUM

POOL RESOURCES LTD

R J MCCULLOUGH J W

ROBERT & FRANCES TINNIN

RUTH ZIMMERMAN TRUST

T H MCELVAIN OIL & GAS LTD

VASTAR RESOURCES INC

VAUGHAN MCELVAIN ENERGY INC

LANGDON D HARRISON

S.Z. ✓



# United States Department of the Interior

## BUREAU OF LAND MANAGEMENT

Farmington Field Office  
1235 La Plata Highway, Suite A  
Farmington, New Mexico 87401

IN REPLY REFER TO:  
San Juan 28-5 Unit (Mesaverde PA)  
3162.7 (07100)

September 22, 2000

Burlington Resources Oil & Gas Company  
P.O. Box 4289  
Farmington, NM 87499-4289

RE: San Juan 28-5 Unit  
Commerciality Determination  
Mesaverde Formation  
Rio Arriba County, New Mexico

Dear Ms. Wimsatt:

In response to your letter dated September 20, 2000, the Farmington Field Office (FFO) has reviewed the data you submitted for a commerciality determination for the following wells completed in the Mesaverde formation.

Well Name & Number	Dedication	Lease	Completion Date	Determination
San Juan 28-5 Unit #102E	S/2 12,T28N,R5W	NMSF079519A	7/20/99	Commercial
San Juan 28-5 Unit #107	S/2 12,T28N,R5W	NMSF079250	10/05/98	Commercial

After completing our economic evaluation, we are in concurrence with the above determinations.

The wells are determined to be commercial wells and are to be included in the Mesaverde participating area. It is required that a revision be submitted to include these wells in the San Juan 28-5 Unit Mesaverde Participating Area.

Under provisions of 43 CFR 3165.3, you may request an Administrative Review of the order(s) described above. Such request, including all supporting documents, must be filed in writing within 20 business days of receipt of this notice and must be filed with the State Director, Bureau of Land Management, P. O. Box 27115, Santa Fe, New Mexico 87502-0115. Such request shall not result in a suspension of the order(s) unless the reviewing official so determines. Procedures governing appeals from instructions, orders or decisions are contained in 43 CFR 3165.4 and 43 CFR 4.400 *et seq.*

If you have any questions concerning this matter, please contact Wayne Townsend at the above address or telephone (505) 599-6359.

Sincerely,

Wayne Townsend  
Petroleum Engineer, Petroleum Management Team



RUN DATE 05/18/01  
 RUN TIME 14:02:15

BURLINGTON RESOURCES O&G CO  
 THE 028 EXPANDED PARTICIPATING AREA FOR MESAVERDE FORMATION  
 SAN JUAN 28-5 UNIT AREA  
 RIO ARRIBA, NEW MEXICO  
 EFFECTIVE 11/01/1998

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	OWNERSHIP	DRILLING BLOCK	GWI PERCENTAGE	NRI PERCENTAGE	PARTICIPATION FACTOR
SF-079250	T-028N R-005W	2453.70		TRACT: 001			14.443632
	SEC. 009 SE/4 SE/4, SW/4 SW/4		ORRI:		0.000000	25.625000	
	(80.00 acres)		ROYALTY:		0.000000	12.500000	
	LOT 1 (30.600000 acres)		WORKING INTEREST:				
	LOT 2 (30.590000 acres)		BURLINGTON RESOURCES OIL & GAS CO LP		100.000000	61.875000	
	SEC. 010 S/2 S/2		TOTAL		100.000000	100.000000	
	(160.00 acres)						
	LOT 1 (30.370000 acres)						
	LOT 2 (30.440000 acres)						
	LOT 3 (30.500000 acres)						
	LOT 4 (30.570000 acres)						
	SEC. 011 S/2 S/2						
	(160.00 acres)						
	LOT 1 (30.040000 acres)						
	LOT 2 (30.130000 acres)						
	LOT 3 (30.210000 acres)						
	LOT 4 (30.300000 acres)						
	SEC. 012 SW/4 SW/4						
	(40.00 acres)						
	LOT 4 (29.950000 acres)						
	SEC. 013 W/2 NW/4						
	(80.00 acres)						
	SEC. 014 N/2						
	(320.00 acres)						
	SEC. 015 N/2						
	(320.00 acres)						
	SEC. 016 N/2						
	(320.00 acres)						
	SEC. 017 N/2						
	(320.00 acres)						
	SEC. 018 N/2						
	(320.00 acres)						

RUN DATE 05/18/01  
 RUN TIME 14:02:15

BURLINGTON RESOURCES O&G CO  
 THE 028 EXPANDED PARTICIPATING AREA FOR MESAVERDE FORMATION  
 SAN JUAN 28-5 UNIT AREA  
 RIO ARRIBA, NEW MEXICO  
 EFFECTIVE 11/01/1998

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	OWNERSHIP	DRILLING BLOCK	GW% PERCENTAGE	NRI PERCENTAGE	PARTICIPATION FACTOR
-----							
SF-079519	T-028N R-005W	171.89	TRACT: 003				1.011825
	SEC. 024 NW/4 NE/4, N/2 NW/4 (120.00 acres)		ORRI:		0.000000	3.352343	-----
			ROYALTY:		0.000000	12.500000	
			WORKING INTEREST:				
	LOT 1 (51.890000 acres)		HARRISON LANGDON D		1.968749	1.722655	
			E J E BROWN COMPANY		2.624999	2.182030	
			T H MCELVAIN OIL & G		21.875000	19.140625	
			TINNIN ROBT/FRANCES		0.656251	0.574220	
			BROWN EVELYN G		0.776160	0.645183	
			BROWN ALGERNON W		1.848839	1.536847	
			POOL RESOURCES LTD		5.249998	4.364061	
			BURLINGTON RESOURCES OIL & GAS CO LP		65.000004	53.982037	
			TOTAL		100.000000	100.000001	
-----							
SF-079519A	T-028N R-005W	2166.52	TRACT: 004				12.753155
	SEC. 013 NE/4 NW/4 (40.00 acres)		ORRI:		0.000000	20.781200	-----
			ROYALTY:		0.000000	12.500000	
			WORKING INTEREST:				
	LOT 1 (51.490000 acres)		HARRISON LANGDON D		0.984375	0.861328	
	LOT 2 (51.580000 acres)		RAYMOND JAMES M		0.911455	0.797523	
	LOT 3 (51.680000 acres)		DUGAN PRODUCTION COR		1.312499	1.148437	
	LOT 4 (51.770000 acres)		M A R OIL & GAS CORP		3.125000	2.734375	
	SEC. 020 E/2 (320.00 acres)		E J E BROWN COMPANY		1.312500	1.148438	
			MAST MAYDELL MILLER		0.091144	0.079751	
			QUINN KATHLEEN		0.875000	0.765625	
			T H MCELVAIN OIL & G		5.468753	4.785160	

BURLINGTON RESOURCES O&G CO  
 THE 028 EXPANDED PARTICIPATING AREA FOR MESAVERDE FORMATION  
 SAN JUAN 28-5 UNIT AREA  
 RIO ARRIBA, NEW MEXICO  
 EFFECTIVE 11/01/1998

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	OWNERSHIP	DRILLING BLOCK	GWI PERCENTAGE	NRI PERCENTAGE	PARTICIPATION FACTOR
	(400.00 acres)		ZIMMERMAN RUTH TRUST		0.437500	0.382812	
	SEC. 022 NE/4, S/2 NW/4, S/2		TINNIN ROBT/FRANCES		0.328125	0.287109	
	(560.00 acres)		BROWN EVELYN G		0.388080	0.339570	
	SEC. 023 ALL		BROWN ALGERNON W		0.924420	0.808867	
	(640.00 acres)		GAY CHARLES W		0.045573	0.039877	
			HACKER LORRAYN GAY		0.045574	0.039877	
			POOL RESOURCES LTD		2.625001	2.296875	
			PROVIDENCE MINERALS LLC		1.312500	1.148437	
			BURLINGTON RESOURCES OIL & GAS CO LP		79.812501	49.054739	
			TOTAL		100.000000	100.000000	
SF-079519A	T-028N R-005W	229.09		TRACT: 004A			1.348532
	SEC. 012 SW/4 SE/4, SE/4 SW/4		ORRI:		0.000000	20.781200	
	(80.00 acres)		ROYALTY:		0.000000	12.500000	
	LOT 1 (38.060000 acres)		WORKING INTEREST:				
	LOT 2 (29.770000 acres)		HARRISON LANGDON D		0.492188	0.430664	
	LOT 3 (29.860000 acres)		RAYMOND JAMES M		0.911455	0.797523	
	LOT 5 (51.400000 acres)		DUGAN PRODUCTION COR		1.312500	1.148438	
	Tract Remarks:		M A R OIL & GAS CORP		3.125000	2.734375	
	TRACT WAS SPLIT TO HANDLE THE NON-CON		E J E BROWN COMPANY		1.312500	1.148438	
	SENT ELECTIONS OF TINNIN IN WELL #107		MAST MAYDELL MILLER		0.091145	0.079752	
	AND #102E, ALSO THE NON-CONSENT ELECT		QUINN KATHLEEN		0.875000	0.765625	
	IONS OF MCELVAIN & HARRISON IN THE		T H MCELVAIN OIL & G		2.734375	2.392579	
	#102E WELL. APO THE TRACT WILL BE MER		ZIMMERMAN RUTH TRUST		0.437500	0.382812	
	GED WITH TR.004.		BROWN EVELYN G		0.388080	0.339570	
			BROWN ALGERNON W		0.924420	0.808867	
			GAY CHARLES W		0.045575	0.039878	
			HACKER LORRAYN GAY		0.045575	0.039878	
			POOL RESOURCES LTD		2.625000	2.296875	
			PROVIDENCE MINERALS LLC		1.312500	1.148437	
			BURLINGTON RESOURCES OIL & GAS CO LP		83.367187	52.165089	
			TOTAL		100.000000	100.000000	

BURLINGTON RESOURCES O&G CO  
 THE 028 EXPANDED PARTICIPATING AREA FOR MESAVERDE FORMATION  
 SAN JUAN 28-5 UNIT AREA  
 RIO ARRIBA, NEW MEXICO  
 EFFECTIVE 11/01/1998

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	OWNERSHIP	DRILLING BLOCK	GW% PERCENTAGE	NRI PERCENTAGE	PARTICIPATION FACTOR
SF-079520	T-028N R-005W	1156.47		TRACT: 005			6.807526
	SEC. 024 W/2 SE/4, S/2 NW/4, SW/4 NE/4, SW/4		ORRI:		0.000000	3.352343	
			ROYALTY:		0.000000	12.500000	
			WORKING INTEREST:				
			HARRISON LANGDON D		1.968749	1.722655	
			E J E BROWN COMPANY		2.624999	2.182030	
			T H MCELVAIN OIL & G		21.875000	19.140625	
			TINNIN ROBT/FRANCES		0.656251	0.574220	
			BROWN EVELYN G		0.776160	0.645183	
			BROWN ALGERNON W		1.848839	1.536847	
			POOL RESOURCES LTD		5.249999	4.364062	
			BURLINGTON RESOURCES OIL & GAS CO LP		65.000003	53.982036	
			TOTAL		100.000000	100.000001	
SF-079520A	T-028N R-005W	1209.12		TRACT: 006			7.117449
	SEC. 025 W/2 NE/4, W/2 SW/4, NW/4, SW/4 SE/4		ORRI:		0.000000	20.781200	
			ROYALTY:		0.000000	12.500000	
			WORKING INTEREST:				
			HARRISON LANGDON D		0.984375	0.861328	
			RAYMOND JAMES M		0.911455	0.797523	
			DUGAN PRODUCTION COR		1.312499	1.148437	
			M A R OIL & GAS CORP		3.125000	2.734375	
			E J E BROWN COMPANY		1.312500	1.148438	
			MAST MAYDELL MILLER		0.091143	0.079750	
			QUINN KATHLEEN		0.875000	0.765625	
			T H MCELVAIN OIL & G		5.468752	4.785159	
			ZIMMERMAN RUTH TRUST		0.437501	0.382813	
			TINNIN ROBT/FRANCES		0.328125	0.287109	
			BROWN EVELYN G		0.388080	0.339570	
			BROWN ALGERNON W		0.924420	0.808867	
			GAY CHARLES W		0.045573	0.039877	
			HACKER LORRAYN GAY		0.045573	0.039876	
			POOL RESOURCES LTD		2.625000	2.296875	
			PROVIDENCE MINERALS LLC		1.312501	1.148438	

RUN DATE 05/18/01  
 RUN TIME 14:02:15

THE 028 EXPANDED PARTICIPATING AREA FOR MESAVERDE FORMATION  
 SAN JUAN 28-5 UNIT AREA  
 RIO ARRIBA, NEW MEXICO  
 EFFECTIVE 11/01/1998

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	OWNERSHIP	DRILLING BLOCK	GW% PERCENTAGE	NRI PERCENTAGE	PARTICIPATION FACTOR
SF-079521	T-028N R-005W	638.72		TRACT: 007			3.759806
	SEC. 032 N/2 S/2, N/2 (480.00 acres)		ORRI:		0.000000	3.352343	
			ROYALTY:		0.000000	12.500000	
			WORKING INTEREST:				
	LOT 1 (39.710000 acres)		HARRISON LANGDON D		1.968749	1.722655	
	LOT 2 (39.690000 acres)		E J E BROWN COMPANY		2.624999	2.182030	
	LOT 3 (39.670000 acres)		T H MCELVAIN OIL & G		21.875000	19.140625	
	LOT 4 (39.650000 acres)		TINNIN ROBT/FRANCES		0.656251	0.574220	
			BROWN EVELYN G		0.776160	0.645183	
			BROWN ALGERNON W		1.848839	1.536847	
			POOL RESOURCES LTD		5.249999	4.364062	
			BURLINGTON RESOURCES OIL & GAS CO LP		65.000003	53.982036	
			TOTAL		100.000000	100.000001	
SF-079521A	T-028N R-005W	1919.28		TRACT: 008			11.297784
	SEC. 028 SE/4 NE/4, SE/4 NW/4, W/2 NW/4, S/2 (480.00 acres)		ORRI:		0.000000	20.781200	
			ROYALTY:		0.000000	12.500000	
			WORKING INTEREST:				
	SEC. 029 ALL (640.00 acres)		HARRISON LANGDON D		0.984375	0.861328	
			RAYMOND JAMES M		0.911455	0.797523	
	SEC. 030 S/2 S/2 (160.00 acres)		DUGAN PRODUCTION COR		1.312499	1.148437	
			M A R OIL & GAS CORP		3.125000	2.734375	
	SEC. 031 N/2 S/2, N/2 (480.00 acres)		E J E BROWN COMPANY		1.312500	1.148437	
			MAST MAYDELL MILLER		0.091144	0.079751	
			QUINN KATHLEEN		0.875001	0.765626	
			T H MCELVAIN OIL & G		5.468752	4.785159	
			ZIMMERMAN RUTH TRUST		0.437500	0.382812	
			TINNIN ROBT/FRANCES		0.328125	0.287109	
			BROWN EVELYN G		0.388080	0.339570	
			BROWN ALGERNON W		0.924420	0.808868	

RUN DATE 05/18/01  
 RUN TIME 14:02:15

BURLINGTON RESOURCES O&G CO  
 THE 028 EXPANDED PARTICIPATING AREA FOR MESASVERDE FORMATION  
 SAN JUAN 28-5 UNIT AREA  
 RIO ARRIBA, NEW MEXICO  
 EFFECTIVE 11/01/1998

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	OWNERSHIP	DRILLING BLOCK	GWI PERCENTAGE	NRI PERCENTAGE	PARTICIPATION FACTOR
SF-079522	T-028N R-005W	1590.59		TRACT: 009			9.362960
	SEC. 021 SW/4 SW/4 (40.00 acres)		ORRI: ROYALTY: WORKING INTEREST:		0.000000 0.000000	2.500000 12.500000	
	SEC. 033 N/2 S/2, E/2 NE/4, W/2 NW/4 (320.00 acres)		BURLINGTON RESOURCES OIL & GAS CO LP		100.000000	85.000000	
	LOT 1 (43.260000 acres)		TOTAL		100.000000	100.000000	
	LOT 2 (42.200000 acres)						
	LOT 3 (41.120000 acres)						
	LOT 4 (40.070000 acres)						
	SEC. 034 N/2, N/2 SE/4 (400.00 acres)						
	LOT 2 (46.420000 acres)						
	SEC. 035 NE/4 SE/4, N/2 NE/4 (120.00 acres)						
	LOT 1 (52.100000 acres)						
	LOT 2 (50.920000 acres)						
	LOT 3 (49.760000 acres)						
	SEC. 036 W/2 NE/4, NW/4 (240.00 acres)						
	LOT 1 (52.280000 acres)						
	LOT 2 (52.460000 acres)						
NIM-012880	T-028N R-005W	40.00		TRACT: 010			0.235459
	SEC. 021 NE/4 NE/4 (40.00 acres)		ORRI: ROYALTY: WORKING INTEREST:		0.000000 0.000000	1.000000 12.500000	

RUN DATE 05/18/01  
 RUN TIME 14:02:15

BURLINGTON RESOURCES O&G CO  
 THE 028 EXPANDED PARTICIPATING AREA FOR MESAVARDE FORMATION  
 SAN JUAN 28-5 UNIT AREA  
 RIO ARRIBA, NEW MEXICO  
 EFFECTIVE 11/01/1998

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	OWNERSHIP	DRILLING BLOCK	GW/ PERCENTAGE	NRI PERCENTAGE	PARTICIPATION FACTOR
SF-080505	T-028N R-005W	160.00		TRACT: 011			0.941835
	SEC. 030 NW/4 (160.00 acres)						
			ORRI:		0.000000	10.000000	
			ROYALTY:		0.000000	12.500000	
			WORKING INTEREST:				
			BURLINGTON RESOURCES OIL & GAS CO LP		100.000000	77.500000	
			TOTAL		100.000000	100.000000	
SF-080505-B	T-028N R-005W	160.00		TRACT: 012			0.941835
	SEC. 019 SW/4 (160.00 acres)						
			ORRI:		0.000000	4.000000	
			ROYALTY:		0.000000	12.500000	
			WORKING INTEREST:				
			PHILLIPS PETROLEUM		82.000000	68.470000	
			WILLIAMS PRODUCTION		18.000000	15.030000	
			TOTAL		100.000000	100.000000	
SF-080516B	T-028N R-005W	600.00		TRACT: 013			3.531882
	SEC. 013 SW/4, W/2 NE/4, SE/4 NW/4, W/2 SE/4 (360.00 acres)						
	SEC. 015 SE/4, N/2 SW/4 (240.00 acres)						
			ORRI:		0.000000	0.000000	
			ROYALTY:		0.000000	12.500000	
			WORKING INTEREST:				
			BURLINGTON RESOURCES OIL & GAS CO LP		100.000000	87.500000	
			TOTAL		100.000000	100.000000	
SF-080516	T-028N R-005W	640.00		TRACT: 014			3.767341
	SEC. 014 S/2 (320.00 acres)						
	SEC. 016 S/2 (320.00 acres)						
			ORRI:		0.000000	5.000000	
			ROYALTY:		0.000000	12.500000	
			WORKING INTEREST:				
			BOLACK MINERALS		50.000000	41.250000	
			BURLINGTON RESOURCES OIL & GAS CO LP		50.000000	41.250000	

RUN DATE 05/18/01  
 RUN TIME 14:02:15

BURLINGTON RESOURCES O&G CO  
 THE 028 EXPANDED PARTICIPATING AREA FOR MESAVERDE FORMATION  
 SAN JUAN 28-5 UNIT AREA  
 RIO ARRIBA, NEW MEXICO  
 EFFECTIVE 11/01/1998

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	OWNERSHIP	DRILLING BLOCK	GW% PERCENTAGE	NRI PERCENTAGE	PARTICIPATION FACTOR
SF-080516-A	T-028N R-005W	1320.00		TRACT: 015			7.770141
	-----						-----
	SEC. 017 S/2 (320.00 acres)		ORRI:		0.000000	5.000000	-----
			ROYALTY:		0.000000	12.500000	
			WORKING INTEREST:				
	SEC. 018 SE/4, E/2 SW/4, NW/4 SW/4 (280.00 acres)		PHILLIPS PETROLEUM		82.000000	67.650000	
			WILLIAMS PRODUCTION		18.000000	14.850000	
					-----	-----	
	SEC. 019 SE/4, E/2 NW/4, NE/4 (400.00 acres)						
	SEC. 020 W/2 (320.00 acres)						
			TOTAL		100.000000	100.000000	
NM-010516	T-028N R-005W	565.80		TRACT: 016			3.330565
	-----						-----
	SEC. 007 S/2 S/2 (160.00 acres)		ORRI:		0.000000	25.625000	-----
			ROYALTY:		0.000000	12.500000	
			WORKING INTEREST:				
	LOT 1 (30.820000 acres)		BURLINGTON RESOURCES OIL & GAS CO LP		100.000000	61.875000	
	LOT 2 (30.760000 acres)				-----	-----	
	LOT 3 (30.720000 acres)						
	LOT 4 (30.660000 acres)		TOTAL		100.000000	100.000000	
	SEC. 008 S/2 S/2 (160.00 acres)						
	LOT 1 (30.610000 acres)						
	LOT 2 (30.680000 acres)						
	LOT 3 (30.740000 acres)						
	LOT 4 (30.810000 acres)						
GOMEZ, J. CRIST T-028N R-005W		141.17		TRACT: 017			0.830993
	-----						-----
	SEC. 009 SE/4 SW/4, SW/4 SE/4 (80.00 acres)		ORRI:		0.000000	0.000000	-----
			ROYALTY:		0.000000	12.500000	
			WORKING INTEREST:				
	LOT 3 (30.590000 acres)		MCELVAIN CARL R EST		16.666667	14.583334	
	LOT 4 (30.580000 acres)		RAYMOND JAMES M		20.833333	18.229165	



RUN DATE 05/18/01  
 RUN TIME 14:02:15

BURLINGTON RESOURCES O&G CO  
 THE 028 EXPANDED PARTICIPATING AREA FOR MESAVERDE FORMATION  
 SAN JUAN 28-5 UNIT AREA  
 RIO ARRIBA, NEW MEXICO  
 EFFECTIVE 11/01/1998

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	OWNERSHIP	DRILLING BLOCK	GW% PERCENTAGE	NRI PERCENTAGE	PARTICIPATION FACTOR
TRUJILLO, M A, T-028N R-005W -----							
SEC. 022	N/2 NW/4 (80.00 acres)	80.00		TRACT: 018	0.000000	0.000000	0.470918
			ORRI:		0.000000	0.000000	
			ROYALTY:		0.000000	12.500000	
			WORKING INTEREST:				
			BURLINGTON RESOURCES OIL & GAS CO LP		100.000000	87.500000	
			TOTAL		100.000000	100.000000	
TRUJILLO, M A, T-028N R-005W -----							
SEC. 015	S/2 SW/4 (80.00 acres)	80.00		TRACT: 018A	0.000000	0.000000	0.470918
			ORRI:		0.000000	0.000000	
			ROYALTY:		0.000000	12.500000	
			WORKING INTEREST:				
			BURLINGTON RESOURCES OIL & GAS CO LP		100.000000	87.500000	
			TOTAL		100.000000	100.000000	
HORACE F. MCH T-028N R-005W -----							
SEC. 018	SW/4 SW/4 (40.00 acres)	120.00		TRACT: 019	0.000000	0.000000	0.706376
			ORRI:		0.000000	0.000000	
			ROYALTY:		0.000000	12.500000	
			WORKING INTEREST:				
			BURLINGTON RESOURCES OIL & GAS CO LP		100.000000	87.500000	
			TOTAL		100.000000	100.000000	
GEORGE P. DENT-028N R-005W -----							
SEC. 021	E/2 SW/4, NW/4 SW/4, SW/4 SE/	160.00		TRACT: 020	0.000000	0.000000	0.941835
			ORRI:		0.000000	0.000000	
			ROYALTY:		0.000000	12.500000	

RUN DATE 05/18/01  
 RUN TIME 14:02:15

BURLINGTON RESOURCES O&G CO  
 THE 028 EXPANDED PARTICIPATING AREA FOR MESAVERDE FORMATION  
 SAN JUAN 28-5 UNIT AREA  
 RIO ARRIBA, NEW MEXICO  
 EFFECTIVE 11/01/1998

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	OWNERSHIP	DRILLING BLOCK	GW PERCENTAGE	NRI PERCENTAGE	PARTICIPATION FACTOR
	(160.00 acres)						
	WORKING INTEREST:						
	BURLINGTON RESOURCES OIL & GAS CO LP				100.000000	87.500000	
	TOTAL				100.000000	100.000000	
RUSSELL E. ARI T-028N R-005W		120.00		TRACT: 021			0.706376
	ORRI:				0.000000	0.000000	
	ROYALTY:				0.000000	12.500000	
	WORKING INTEREST:						
	BURLINGTON RESOURCES OIL & GAS CO LP				100.000000	87.500000	
	TOTAL				100.000000	100.000000	
GEORGE P. DENT-028N R-005W		160.00		TRACT: 022			0.941835
	ORRI:				0.000000	0.000000	
	ROYALTY:				0.000000	12.500000	
	WORKING INTEREST:						
	BURLINGTON RESOURCES OIL & GAS CO LP				100.000000	87.500000	
	TOTAL				100.000000	100.000000	
LOBATO, G H T-028N R-005W		329.70		TRACT: 023			1.940769
	ORRI:				0.000000	0.000000	
	ROYALTY:				0.000000	12.500000	
	WORKING INTEREST:						
	RAYMOND JAMES M				41.666666	36.458332	
	MAST MAYDELL MILLER				4.166667	3.645834	
	TH MCELVAIN OIL & G				50.000000	43.750000	
	GAY CHARLES W				2.083333	1.822918	
	HACKER LORRAYN GAY				2.083334	1.822916	
	TOTAL				100.000000	100.000000	
RUSSELL E. ARI T-028N R-005W		296.06		TRACT: 024			1.742748
	ORRI:				0.000000	0.000000	

RUN DATE 05/18/01  
 RUN TIME 14:02:15

BURLINGTON RESOURCES O&G CO  
 THE 028 EXPANDED PARTICIPATING AREA FOR MESAVERDE FORMATION  
 SAN JUAN 28-5 UNIT AREA  
 RIO ARRIBA, NEW MEXICO  
 EFFECTIVE 11/01/1998

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	OWNERSHIP	DRILLING BLOCK	GW% PERCENTAGE	NRI PERCENTAGE	PARTICIPATION FACTOR
	SEC. 034 (47.48 acres)		ROYALTY:		0.000000	12.500000	
	LOT 1 (47.480000 acres)		WORKING INTEREST:				
	SEC. 035 S/2 NE/4, NW/4 SE/4, N/2 SW/4 (200.00 acres)		BURLINGTON RESOURCES OIL & GAS CO LP		100.000000	87.500000	
	LOT 4 (48.580000 acres)		TOTAL		100.000000	100.000000	
	RUSSELL E. ARIT-028N R-005W	160.00		TRACT: 025			0.941835
	SEC. 035 NW/4 (160.00 acres)		ORRI:		0.000000	0.000000	
			ROYALTY:		0.000000	12.500000	
			WORKING INTEREST:				
			BURLINGTON RESOURCES OIL & GAS CO LP		100.000000	87.500000	
			TOTAL		100.000000	100.000000	

RECAPITULATION

THE 028 EXPANDED PARTICIPATING AREA FOR MESAVERDE FORMATION  
SAN JUAN 28-5 UNIT AREA

DESCRIPTION OF COMMITTED LANDS IN PARTICIPATING AREA:

DESCRIPTION OF NON-COMMITTED LANDS IN PARTICIPATING AREA:

TOWNSHIP 028N, RANGE 005W

SEC. 007 S/2 S/2

LOT: 1 (30.820000 acres)

LOT: 2 (30.760000 acres)

LOT: 3 (30.720000 acres)

LOT: 4 (30.660000 acres)

SEC. 008 S/2 S/2

LOT: 1 (30.610000 acres)

LOT: 2 (30.680000 acres)

LOT: 3 (30.740000 acres)

LOT: 4 (30.810000 acres)

SEC. 009 SE/4 SE/4, SW/4 SW/4

LOT: 1 (30.600000 acres)

LOT: 2 (30.590000 acres)

SEC. 009 SE/4 SW/4, SW/4 SE/4

LOT: 3 (30.590000 acres)

LOT: 4 (30.580000 acres)

SEC. 010 S/2 S/2

LOT: 1 (30.370000 acres)

LOT: 2 (30.440000 acres)

LOT: 3 (30.500000 acres)

LOT: 4 (30.570000 acres)

SEC. 011 S/2 S/2

LOT: 1 (30.040000 acres)

LOT: 2 (30.130000 acres)

LOT: 3 (30.210000 acres)

LOT: 4 (30.300000 acres)

SEC. 012 SW/4 SE/4, SE/4 SW/4

LOT: 1 (38.060000 acres)

LOT: 2 (29.770000 acres)

LOT: 3 (29.860000 acres)

LOT: 5 (51.400000 acres)

SEC. 012 SW/4 SW/4

LOT: 4 (29.950000 acres)

SEC. 013 NE/4 NW/4

LOT: 1 (51.490000 acres)

LOT: 2 (51.580000 acres)

LOT: 3 (51.680000 acres)

LOT: 4 (51.770000 acres)

SEC. 013 SW/4, W/2 NE/4, SE/4 NW/4, W/2 SE/4

SEC. 013 W/2 NW/4

SEC. 014 S/2

SEC. 014 N/2

SEC. 015 S/2 SW/4

RECAPITULATION

THE 028 EXPANDED PARTICIPATING AREA FOR MESAVERDE FORMATION  
SAN JUAN 28-5 UNIT AREA

DESCRIPTION OF COMMITTED LANDS IN PARTICIPATING AREA:

DESCRIPTION OF NON-COMMITTED LANDS IN PARTICIPATING AREA:

SEC. 015 SE/4, N/2 SW/4  
SEC. 015 N/2  
SEC. 016 S/2  
SEC. 016 N/2  
SEC. 017 S/2  
SEC. 017 N/2  
SEC. 018 SE/4, E/2 SW/4, NW/4 SW/4  
SEC. 018 SW/4 SW/4  
SEC. 018 N/2  
SEC. 019 SW/4  
SEC. 019 W/2 NW/4  
SEC. 019 SE/4, E/2 NW/4, NE/4  
SEC. 020 E/2  
SEC. 020 W/2  
SEC. 021 SW/4 SW/4  
SEC. 021 NE/4 NE/4  
SEC. 021 E/2 SW/4, NW/4 SW/4, SW/4 SE/4  
SEC. 021 SE/4 NE/4, N/2 SE/4, W/2 NE/4, SE/4 SE/4, NW/4  
SEC. 022 N/2 NW/4  
SEC. 022 NE/4, S/2 NW/4, S/2  
SEC. 023 ALL  
SEC. 024 NW/4 NE/4, N/2 NW/4  
LOT: 1 (51.890000 acres)  
SEC. 024 W/2 SE/4, S/2 NW/4, SW/4 NE/4, SW/4  
LOT: 2 (52.020000 acres)  
LOT: 3 (52.160000 acres)  
LOT: 4 (52.290000 acres)  
SEC. 025 W/2 NE/4, W/2 SW/4, NW/4, SW/4 SE/4  
LOT: 1 (52.340000 acres)  
LOT: 2 (52.300000 acres)  
LOT: 3 (52.260000 acres)  
LOT: 4 (52.220000 acres)  
SEC. 025 E/2 SW/4, NW/4 SE/4  
SEC. 026 ALL  
SEC. 027 ALL  
SEC. 028 NE/4 NW/4, N/2 NE/4, SW/4 NE/4  
SEC. 028 SE/4 NE/4, SE/4 NW/4, W/2 NW/4, S/2  
SEC. 029 ALL  
SEC. 030 NE/4, N/2 S/2  
SEC. 030 NW/4  
SEC. 030 S/2 S/2  
SEC. 031 N/2 S/2, N/2  
LOT: 1 (39.680000 acres)  
LOT: 2 (39.780000 acres)

THE 028 EXPANDED PARTICIPATING AREA FOR MESAVERDE FORMATION  
SAN JUAN 28-5 UNIT AREA

DESCRIPTION OF COMMITTED LANDS IN PARTICIPATING AREA:

DESCRIPTION OF NON-COMMITTED LANDS IN PARTICIPATING AREA:

- LOT: 3 (39.860000 acres)
- LOT: 4 (39.960000 acres)
- SEC. 032 N/2 S/2, N/2
  - LOT: 1 (39.710000 acres)
  - LOT: 2 (39.690000 acres)
  - LOT: 3 (39.670000 acres)
  - LOT: 4 (39.650000 acres)
- SEC. 033 W/2 NE/4, E/2 NW/4
  - LOT: 1 (43.260000 acres)
  - LOT: 2 (42.200000 acres)
  - LOT: 3 (41.120000 acres)
  - LOT: 4 (40.070000 acres)
- SEC. 034
  - LOT: 1 (47.480000 acres)
- SEC. 034 N/2 SW/4
  - LOT: 3 (45.380000 acres)
  - LOT: 4 (44.320000 acres)
- SEC. 034 N/2, N/2 SE/4
  - LOT: 2 (46.420000 acres)
- SEC. 035 NW/4
  - LOT: 4 (48.580000 acres)
- SEC. 035 S/2 NE/4, NW/4 SE/4, N/2 SW/4
  - LOT: 1 (52.100000 acres)
  - LOT: 2 (50.920000 acres)
  - LOT: 3 (49.760000 acres)
- SEC. 036 W/2 NE/4, NW/4
  - LOT: 1 (52.280000 acres)
  - LOT: 2 (52.460000 acres)

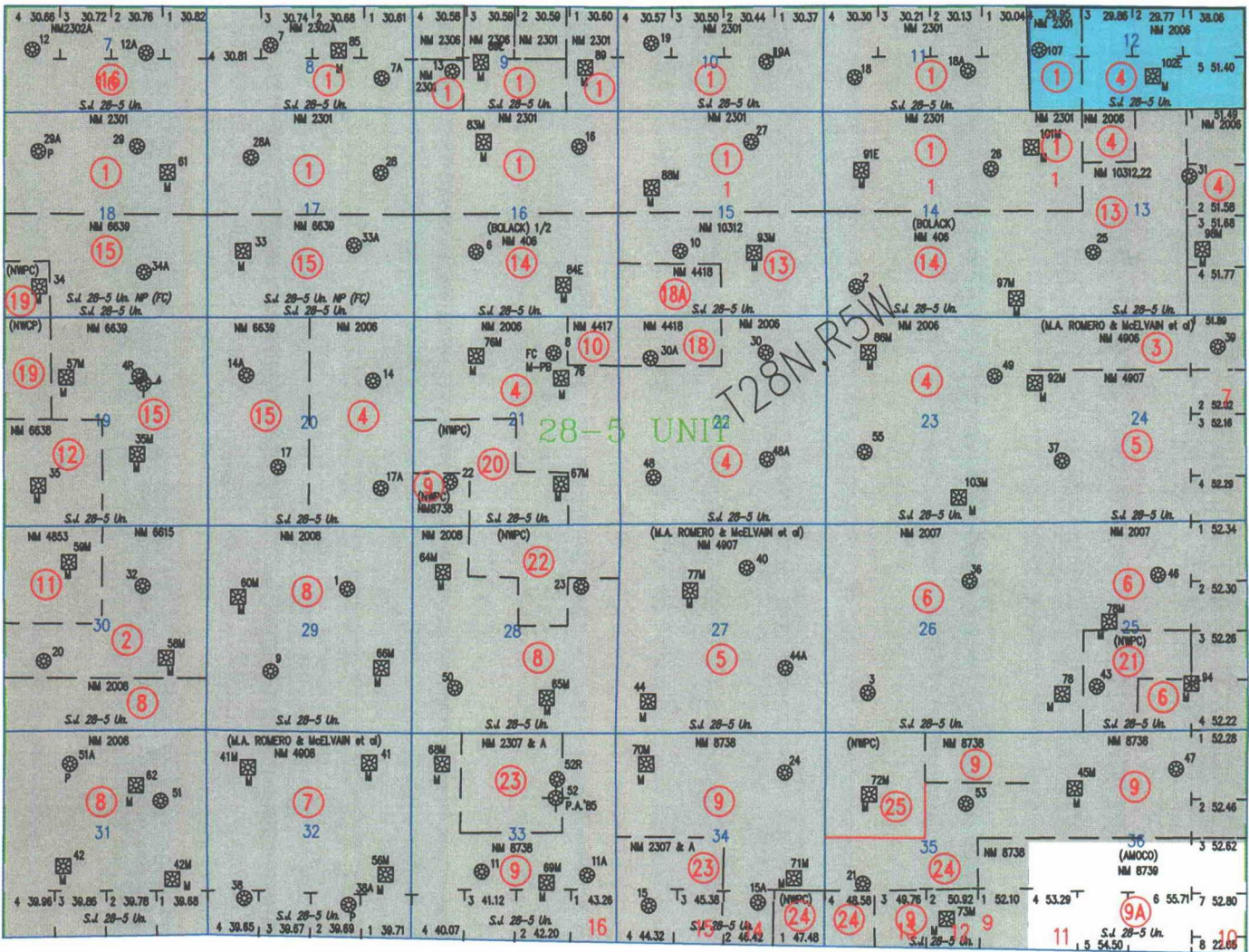
TOTAL ACRES COMMITTED: 16988.11

TOTAL ACRES NON-COMMITTED: 0.00

TOTAL NUMBER OF ACRES IN PARTICIPATING AREA: 16988.11

EFFECTIVE DATE: 11/01/98

# R5W



T  
28  
N

## SAN JUAN 28-5 UNIT

-  FRUITLAND
-  PICTURED CLIFFS
-  MESAVERDE
-  DAKOTA
-  MESAVERDE PARTICIPATING AREA  
27th Expansion Effective 8/1/95
-  MESAVERDE PARTICIPATING AREA  
28th Expansion Effective 11/1/98

*Burlington Resources  
Oil & Gas Company LP*

LAND DEPARTMENT  
May 18, 2000

# BURLINGTON RESOURCES

SAN JUAN DIVISION

April 20, 2001

Bureau of Land Management  
Farmington Resource Area  
Attn: Mr. Wayne Townsend  
1235 La Plata Highway  
Farmington, NM 87401

APR 23 2001

State of New Mexico  
Oil Conservation Division  
Attn: Ms. Lori Wrotenbery  
2040 South Pacheco  
Santa Fe, NM 87505

RE: San Juan 28-5 Unit (#14-08-001-949)  
Commerciality Determination  
Gallup Formation  
Rio Arriba County, New Mexico

Gentlemen:

Pursuant to the provisions of Section 11(a) of the San Juan 28-5 Unit Agreement, #14-08-001-949, approved August 25, 1953, Burlington Resources Oil & Gas Company LP, as Operator, has determined that the wells listed below are not capable of producing unitized substances in paying quantities from the Gallup formation. Burlington is seeking confirmation of the well determination enclosed.

BR's AIN #	Well Name & Number	Well Dedication	Dedicated Lease	Completion Date	Commerciality Determination
5432902	San Juan 28-5 Unit #54E	NW/4 20-28N-5W	SF-080516-A	5/12/98	Non-Commercial
5434602	San Juan 28-5 Unit #61E	NW/4 18-28N-5W	SF-079250	5/18/98	Non-Commercial
5433002	San Juan 28-5 Unit #63E	SE/4 20-28N-5W	SF-079519-A	2/8/00	Non-Commercial
5174802	San Juan 28-5 Unit #75	NE/4 17-28N-5W	SF-079250	2/19/00	Non-Commercial
5229102	San Juan 28-5 Unit #82	SW/2 22-28N-5W	SF-079519-A	1/25/00	Non-Commercial

Upon receipt of response from the Bureau of Land Management and concurring responses from the Commissioner of Public Lands and New Mexico Oil Conservation Division, the wells will be carried on a lease basis.

Copies of this letter are being sent to the working interest owners on the attached sheet. If you have any questions or need any additional information, please contact the undersigned at (505) 326-9860.

Very truly yours,



for Marian L. Wimsatt, CPLTA  
Land Analyst

MLW:ll  
S.J. 28-5 Unit, Gallup  
cc: Linda Dean



# ***WORKING INTEREST OWNERS SAN JUAN 28-5 UNIT***

LORRAYN GAY HACKER

ASHDLA LLC

BOLACK MINERALS CO

BURLINGTON RESOURCES OIL & GAS CO LP

CARL R MCELVAIN ESTATE

CHARLES W GAY

DEVON ENERGY PRODUCTION CO LP

DUGAN PRODUCTION CORPORATION

E J E BROWN COMPANY

EVELYN G BROWN TRST U/W/O

JAMES M RAYMOND

KATHLEEN QUINN

ALGERNON W BROWN TRUST U/W/O

LELA L BARKLEY

WILLIAMS PRODUCTION COMPANY

LYNN ADAIR GILLESPIE

M A R OIL AND GAS CORP INC

MAYDELL MILLER MAST

PHILLIPS PETROLEUM

POOL RESOURCES LTD

R J MCCULLOUGH J W

ROBERT & FRANCES TINNIN

RUTH ZIMMERMAN TRUST

T H MCELVAIN OIL & GAS LTD

VASTAR RESOURCES INC

VAUGHAN MCELVAIN ENERGY INC

LANGDON D HARRISON

# BURLINGTON RESOURCES COMMERCIALITY DETERMINATION BLM DATA SHEET SAN JUAN 28-5 UNIT 54E

## WELL INFORMATION

LEASE SAN JUAN 28-5 UNIT 54E  
 LOCATION 20T28N5W  
 COUNTY, STATE RIO ARRIBA, NEW MEXICO  
 FORMATION GALLUP  
 PROJECT TYPE RECOMPLETION  
 WELL TYPE GAS WELL  
 OPERATOR BURLINGTON RESOURCES OIL & GAS CO LP  
 SPUD DATE 9/1/85  
 COMP DATE 5/12/98  
 1ST DELIVERY 5/22/98  
 COMM GWI % 100.00 BROG GWI % 100.00  
 COMM NRI % 87.50 BROG NRI % 82.50  
 BOARD RATE % 8.00

## PRODUCTION TAXES

TAXES FOR: RIO ARRIBA, NEW MEXICO  
 1996-1999 Commerciality

GAS % OF REVENUE

SEVERANCE:  
 Severance, School, Conservation 7.93

AD VALOREM:  
 Production, Equipment 1.40

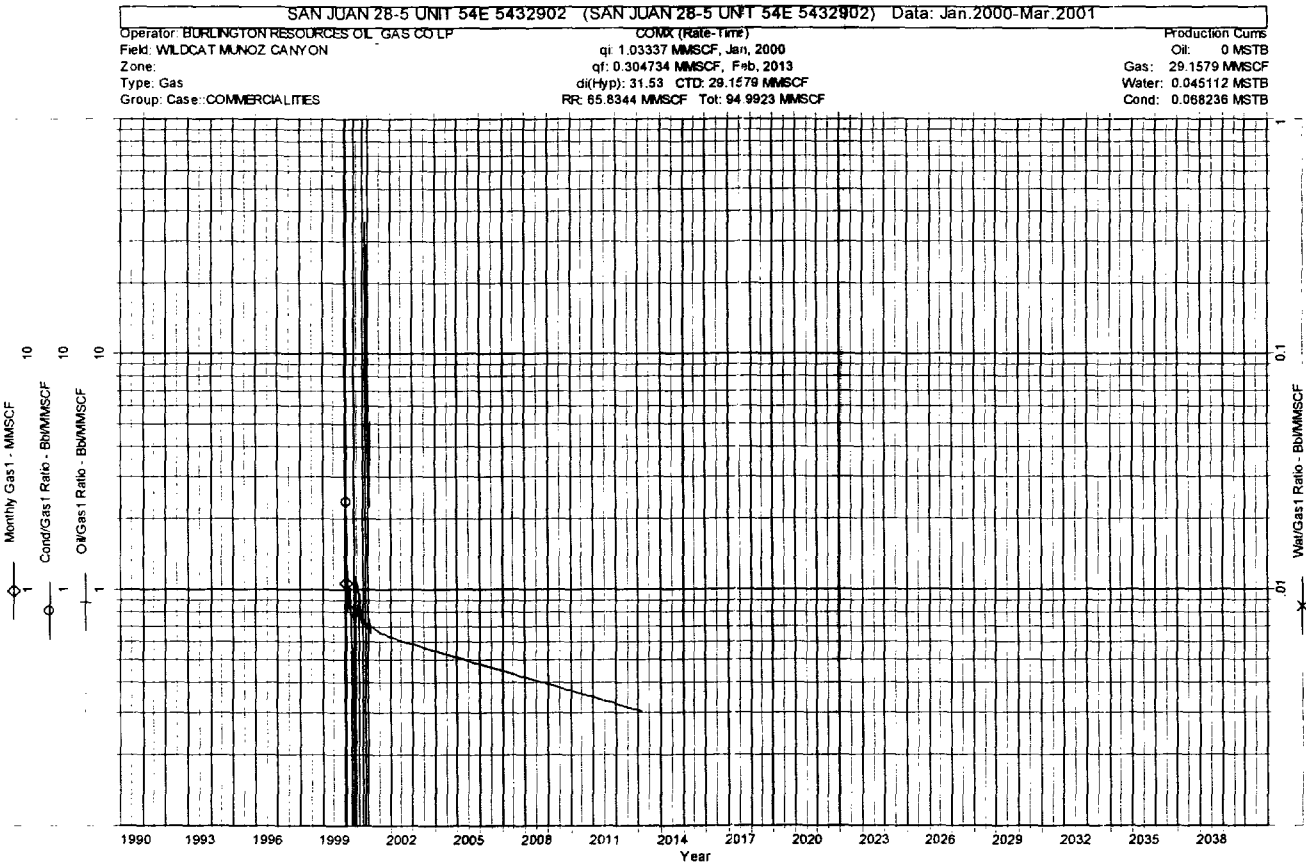
TOTAL %: 9.33

## AVERAGE HEAT CONTENT

1,000 MMBtu / Mcf

## WELL COST AND ECONOMICS

525.00 M\$ AVERAGE WELL COST  
 77.01 MMCF ULT. GROSS GAS RESERVES  
 26.72 MCFD INITIAL GAS RATE  
 0.00 % RATE OF RETURN  
 -0.83 \$\$ P/I, DISC. @ 8.00 %  
 -436.56 M\$ NET PRESENT VALUE, DISC. @ 8.00 %  
 0.00 YRS PAYOUT



BURLINGTON RESOURCES  
COMMERCIALITY DETERMINATION  
BLM DATA SHEET  
SAN JUAN 28-5 UNIT 54E

CASH FLOW SUMMARY

Date	Gas1 Rate	Gas1 Volume	Net Gas Volume	Gas1 Price	Gas Price	Net Revenue	Production Taxes	Total Opccosts	Total Oper Inc	Total Capital	Total BT Cash
	mcf/d	MMSCF	MMSCF	\$/MMBTU	\$/mcf	M\$	M\$	M\$	M\$	M\$	M\$
1998(12)	0.0	0.0	0.0	1.62	1.62	0.00	0.00	1.92	-1.92	525.00	-526.92
1999(12)	0.0	0.0	0.0	3.23	3.23	0.00	0.00	3.29	-3.29	0.00	-3.29
2000(12)	26.7	9.8	8.6	3.23	3.23	27.64	2.91	3.68	21.05	0.00	21.05
2001(12)	21.8	7.9	7.0	3.23	3.23	22.46	2.37	3.61	16.49	0.00	16.49
2002(12)	19.8	7.2	6.3	3.23	3.23	20.46	2.16	3.58	14.73	0.00	14.73
2003(12)	18.6	6.8	5.9	3.23	3.23	19.14	2.02	3.56	13.56	0.00	13.56
2004(12)	17.4	6.4	5.6	3.23	3.23	17.95	1.89	3.54	12.52	0.00	12.52
2005(12)	16.3	6.0	5.2	3.23	3.23	16.83	1.77	3.53	11.53	0.00	11.53
2006(12)	15.3	5.6	4.9	3.23	3.23	15.79	1.66	3.51	10.61	0.00	10.61
2007(12)	14.4	5.2	4.6	3.23	3.23	14.81	1.56	3.50	9.75	0.00	9.75
2008(12)	13.4	4.9	4.3	3.23	3.23	13.89	1.46	3.48	8.94	0.00	8.94
2009(12)	12.6	4.6	4.0	3.23	3.23	13.02	1.37	3.47	8.18	0.00	8.18
2010(12)	11.8	4.3	3.8	3.23	3.23	12.21	1.29	3.46	7.47	0.00	7.47
2011(12)	11.1	4.1	3.5	3.23	3.23	11.46	1.21	3.45	6.80	0.00	6.80
2012(12)	10.4	3.8	3.3	3.23	3.23	10.74	1.13	3.44	6.17	0.00	6.17
2013(12)	7.5	0.4	0.4	3.23	3.23	1.24	0.13	0.57	0.55	0.00	0.55
<b>Total</b>	0.0	77.0	67.4	0.00	0.00	217.64	22.93	51.58	143.13	525.00	-381.87

# BURLINGTON RESOURCES COMMERCIALITY DETERMINATION BLM DATA SHEET SAN JUAN 28-5 UNIT 61E

## WELL INFORMATION

LEASE SAN JUAN 28-5 UNIT 61E  
 LOCATION 18T28N05W  
 COUNTY, STATE RIO ARRIBA, NEW MEXICO  
 FORMATION GALLUP  
 PROJECT TYPE RECOMPLETION  
 WELL TYPE GAS WELL  
 OPERATOR BURLINGTON RESOURCES OIL & GAS CO LP  
 SPUD DATE 9/19/85  
 COMP DATE 5/18/98  
 1ST DELIVERY 6/1/98  
 COMM GWI % 100.00 BROG GWI % 100.00  
 COMM NRI % 87.50 BROG NRI % 82.50  
 BOARD RATE % 8.00

## PRODUCTION TAXES

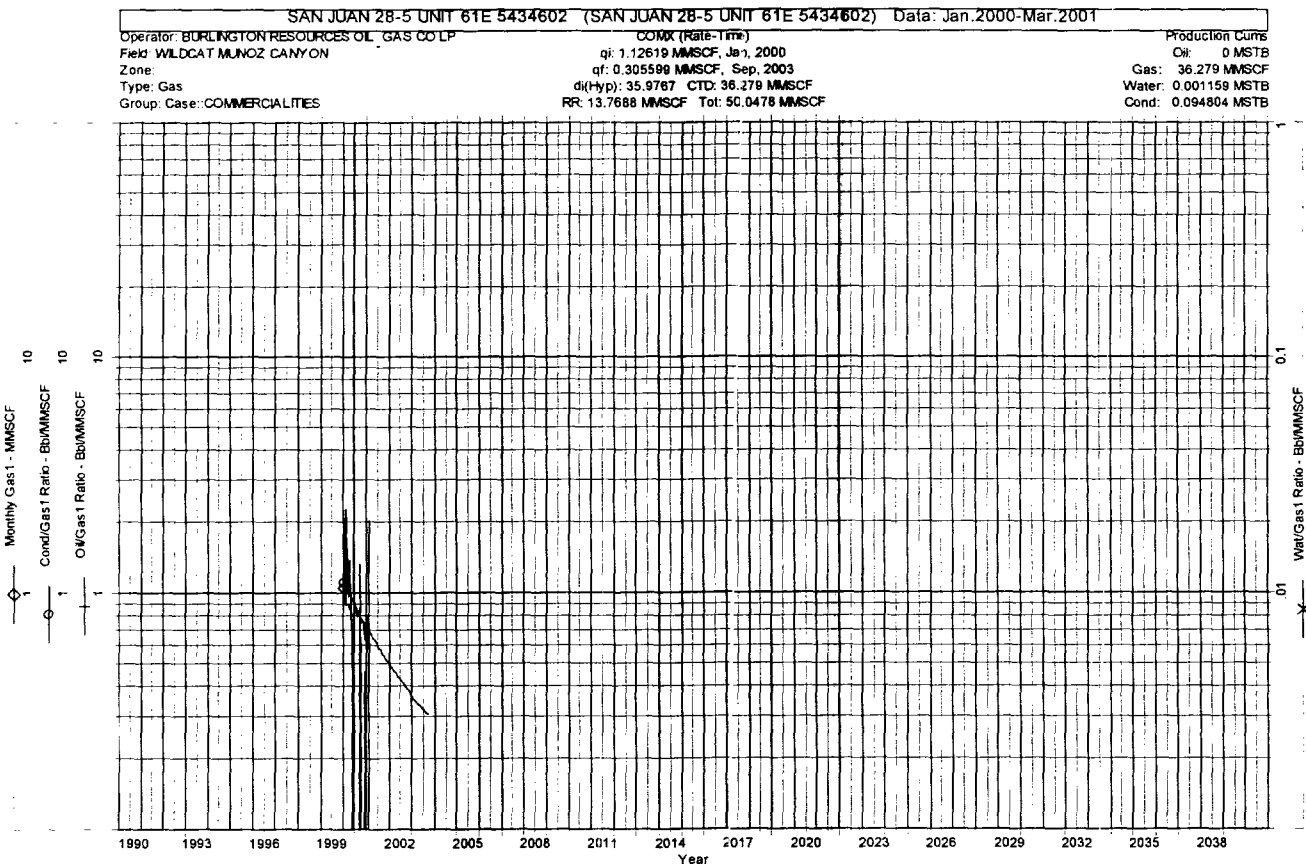
TAXES FOR: RIO ARRIBA, NEW MEXICO  
 1996-1999 Commerciality  
 GAS % OF REVENUE  
 SEVERANCE:  
 Severance, School, Conservation 7.93  
 AD VALOREM:  
 Production, Equipment 1.40  
 TOTAL %: 9.33

## AVERAGE HEAT CONTENT

1,000 MMBtu / Mcf

## WELL COST AND ECONOMICS

525.00	M\$	AVERAGE WELL COST
25.06	MMCF	ULT. GROSS GAS RESERVES
27.15	MCFD	INITIAL GAS RATE
0.00	%	RATE OF RETURN
-0.93	\$/	P/I, DISC. @ 8.00 %
-489.15	M\$	NET PRESENT VALUE, DISC. @ 8.00 %
0.00	YRS	PAYOUT



BURLINGTON RESOURCES  
 COMMERCIALITY DETERMINATION  
 BLM DATA SHEET  
 SAN JUAN 28-5 UNIT 61E

CASH FLOW SUMMARY

Date	Gas1 Rate	Gas1 Volume	Net Gas Volume	Gas1 Price	Gas Price	Net Revenue	Production Taxes	Total Opccosts	Total Oper Inc	Total Capital	Total BT Cash
	mcf/d	MMSCF	MMSCF	\$/MMBTU	\$/mcf	M\$	M\$	M\$	M\$	M\$	M\$
1998(12)	0.0	0.0	0.0	1.62	1.62	0.00	0.00	1.92	-1.92	525.00	-526.92
1999(12)	0.0	0.0	0.0	3.23	3.23	0.00	0.00	3.29	-3.29	0.00	-3.29
2000(12)	27.1	9.9	8.7	3.23	3.23	28.08	2.96	3.69	21.44	0.00	21.44
2001(12)	19.6	7.2	6.3	3.23	3.23	20.26	2.13	3.57	14.55	0.00	14.55
2002(12)	14.1	5.2	4.5	3.23	3.23	14.56	1.53	3.49	9.53	0.00	9.53
2003(12)	10.3	2.8	2.5	3.23	3.23	7.92	0.83	2.58	4.51	0.00	4.51
Total	0.0	25.1	21.9	0.00	0.00	70.82	7.46	18.54	44.82	525.00	-480.18

# BURLINGTON RESOURCES COMMERCIALITY DETERMINATION BLM DATA SHEET SAN JUAN 28-5 UNIT 63E

## WELL INFORMATION

LEASE SAN JUAN 28-5 UNIT 63E  
 LOCATION 20T28NR5W  
 COUNTY, STATE RIO ARRIBA, NEW MEXICO  
 FORMATION GALLUP  
 PROJECT TYPE PAYADD  
 WELL TYPE GAS WELL  
 OPERATOR BURLINGTON RESOURCES OIL & GAS CO LP  
 SPUD DATE 8/23/85  
 COMP DATE 2/8/00  
 1ST DELIVERY 2/16/00  
 COMM GWI % 100.00 BROG GWI % 87.9062  
 COMM NRI % 87.50 BROG NRI % 76.9180  
 BOARD RATE % 10.00

## PRODUCTION TAXES

TAXES FOR: RIO ARRIBA, NEW MEXICO  
 2000 Commerciality  
 GAS % OF REVENUE

SEVERANCE:  
 Severance, School, Conservation 7.93

AD VALOREM:  
 Production, Equipment 1.40

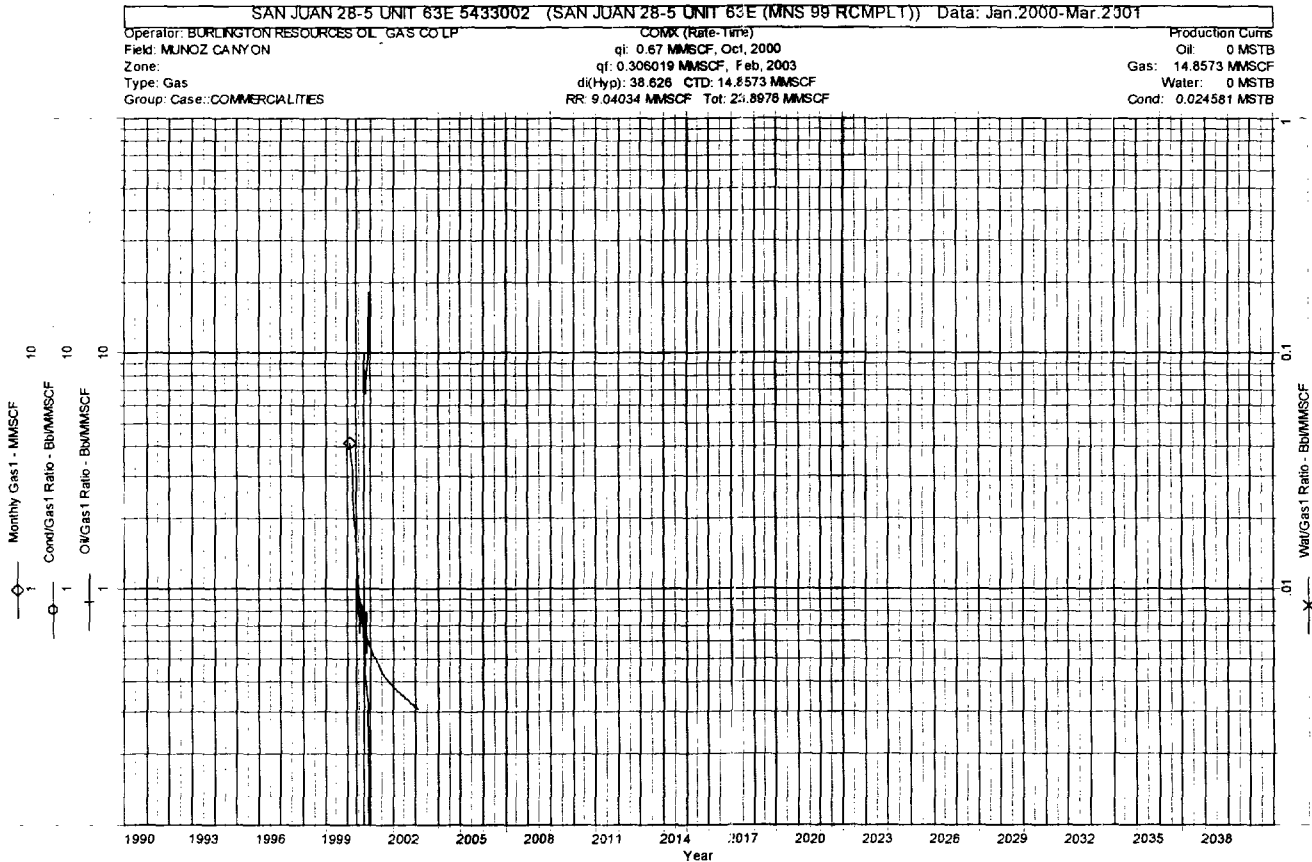
TOTAL %: 9.33

## AVERAGE HEAT CONTENT

1,000 MMBtu / Mcf

## WELL COST AND ECONOMICS

525.00 M\$ AVERAGE WELL COST  
 19.75 MMCF ULT. GROSS GAS RESERVES  
 34.99 MCFD INITIAL GAS RATE  
 0.00 % RATE OF RETURN  
 -0.93 \$/\$ P/I, DISC. @ 10.00 %  
 -487.91 M\$ NET PRESENT VALUE, DISC. @ 10.00 %  
 0.00 YRS PAYOUT



BURLINGTON RESOURCES  
 COMMERCIALITY DETERMINATION  
 BLM DATA SHEET  
 SAN JUAN 28-5 UNIT 63E

CASH FLOW SUMMARY

Date	Gas1 Rate	Gas1 Volume	Net Gas Volume	Gas1 Price	Gas Price	Net Revenue	Production Taxes	Total Opcosts	Total Oper Inc	Total Capital	Total BT Cash
	mcf/d	MMSCF	MMSCF	\$/MMBTU	\$/mcf	M\$	M\$	M\$	M\$	M\$	M\$
2000(12)	35.0	10.7	9.4	3.23	3.23	30.26	3.19	3.17	23.90	525.00	-501.10
2001(12)	12.0	4.4	3.8	3.23	3.23	12.37	1.30	3.46	7.60	0.00	7.60
2002(12)	11.4	4.2	3.6	3.23	3.23	11.75	1.24	3.45	7.06	0.00	7.06
2003(12)	8.6	0.5	0.4	3.23	3.23	1.44	0.15	0.57	0.72	0.00	0.72
<b>Total</b>	<b>0.0</b>	<b>19.8</b>	<b>17.3</b>	<b>0.00</b>	<b>0.00</b>	<b>55.82</b>	<b>5.88</b>	<b>10.65</b>	<b>39.28</b>	<b>525.00</b>	<b>-485.72</b>

# BURLINGTON RESOURCES COMMERCIALITY DETERMINATION BLM DATA SHEET SAN JUAN 28-5 UNIT 75

## WELL INFORMATION

LEASE SAN JUAN 28-5 UNIT 75  
 LOCATION T28NR5W  
 COUNTY, STATE RIO ARRIBA, NEW MEXICO  
 FORMATION GALLUP  
 PROJECT TYPE RECOMPLETION  
 WELL TYPE GAS WELL  
 OPERATOR BURLINGTON RESOURCES OIL & GAS CO LP  
 SPUD DATE 6/23/68  
 COMP DATE 2/19/00  
 1ST DELIVERY 2/28/00  
 COMM GWI % 100.00 BROG GWI % 100.00  
 COMM NRI % 87.50 BROG NRI % 82.50  
 BOARD RATE % 10.00

## PRODUCTION TAXES

TAXES FOR: RIO ARRIBA, NEW MEXICO  
 2000 Commerciality

### GAS % OF REVENUE

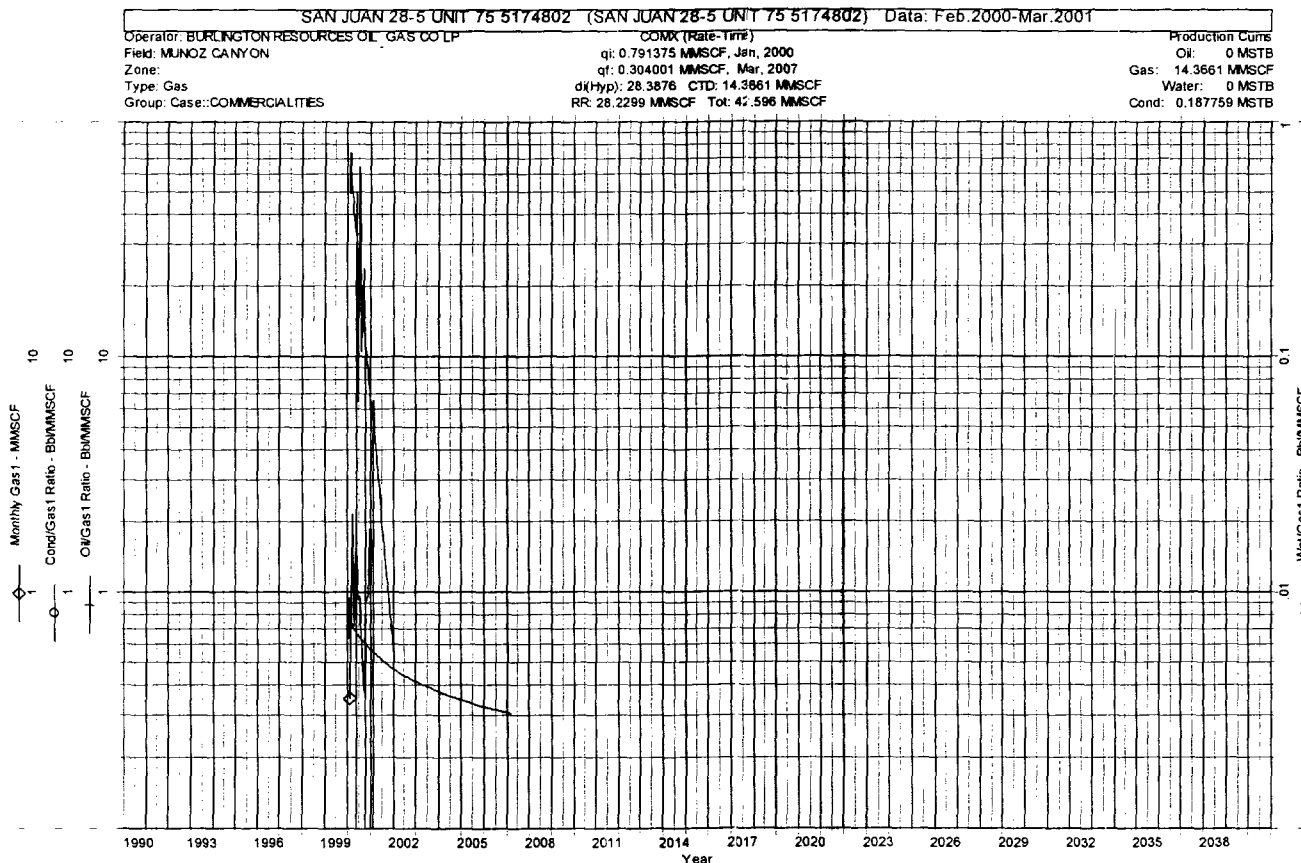
SEVERANCE:  
 Severance, School, Conservation 7.93  
 AD VALOREM:  
 Production, Equipment 1.40  
 TOTAL %: 9.33

## AVERAGE HEAT CONTENT

1,000 MMBtu / Mcf

## WELL COST AND ECONOMICS

525.00 M\$ AVERAGE WELL COST  
 42.24 MMCF ULT. GROSS GAS RESERVES  
 36.19 MCFD INITIAL GAS RATE  
 0.00 % RATE OF RETURN  
 -0.87 \$/\$ P/I, DISC. @ 10.00 %  
 -457.37 M\$ NET PRESENT VALUE, DISC. @ 10.00 %  
 0.00 YRS PAYOUT





BURLINGTON RESOURCES  
 COMMERCIALITY DETERMINATION  
 BLM DATA SHEET  
 SAN JUAN 28-5 UNIT 75

CASH FLOW SUMMARY

Date	Gas1 Rate	Gas1 Volume	Net Gas Volume	Gas1 Price	Gas Price	Net Revenue	Production Taxes	Total Opcosts	Total Oper Inc	Total Capital	Total BT Cash
	mcf/d	MMSCF	MMSCF	\$/MMBTU	\$/mcf	M\$	M\$	M\$	M\$	M\$	M\$
2000(12)	36.2	11.1	9.7	3.23	3.23	31.30	3.30	3.18	24.82	525.00	-500.18
2001(12)	21.9	8.0	7.0	3.23	3.23	22.60	2.38	3.61	16.61	0.00	16.61
2002(12)	14.5	5.3	4.6	3.23	3.23	14.99	1.58	3.50	9.91	0.00	9.91
2003(12)	13.0	4.7	4.2	3.23	3.23	13.41	1.41	3.48	8.52	0.00	8.52
2004(12)	11.9	4.3	3.8	3.23	3.23	12.29	1.30	3.46	7.54	0.00	7.54
2005(12)	11.1	4.0	3.5	3.23	3.23	11.44	1.21	3.45	6.78	0.00	6.78
2006(12)	10.4	3.8	3.3	3.23	3.23	10.76	1.13	3.44	6.18	0.00	6.18
2007(12)	10.2	0.9	0.8	3.23	3.23	2.59	0.27	0.86	1.46	0.00	1.46
<b>Total</b>	<b>0.0</b>	<b>42.2</b>	<b>37.0</b>	<b>0.00</b>	<b>0.00</b>	<b>119.39</b>	<b>12.58</b>	<b>24.98</b>	<b>81.83</b>	<b>525.00</b>	<b>-443.17</b>

# BURLINGTON RESOURCES COMMERCIALITY DETERMINATION BLM DATA SHEET SAN JUAN 28-5 UNIT 82

## WELL INFORMATION

LEASE SAN JUAN 28-5 UNIT 82  
 LOCATION 22T28NR5W  
 COUNTY, STATE RIO ARRIBA, NEW MEXICO  
 FORMATION GALLUP  
 PROJECT TYPE RECOMPLETION  
 WELL TYPE GAS WELL  
 OPERATOR BURLINGTON RESOURCES OIL & GAS CO LP  
 SPUD DATE 7/9/69  
 COMP DATE 1/25/00  
 1ST DELIVERY 2/2/00  
 COMM GWI % 100.00 BROG GWI % 87.9062  
 COMM NRI % 87.50 BROG NRI % 76.9180  
 BOARD RATE % 10.00

## PRODUCTION TAXES

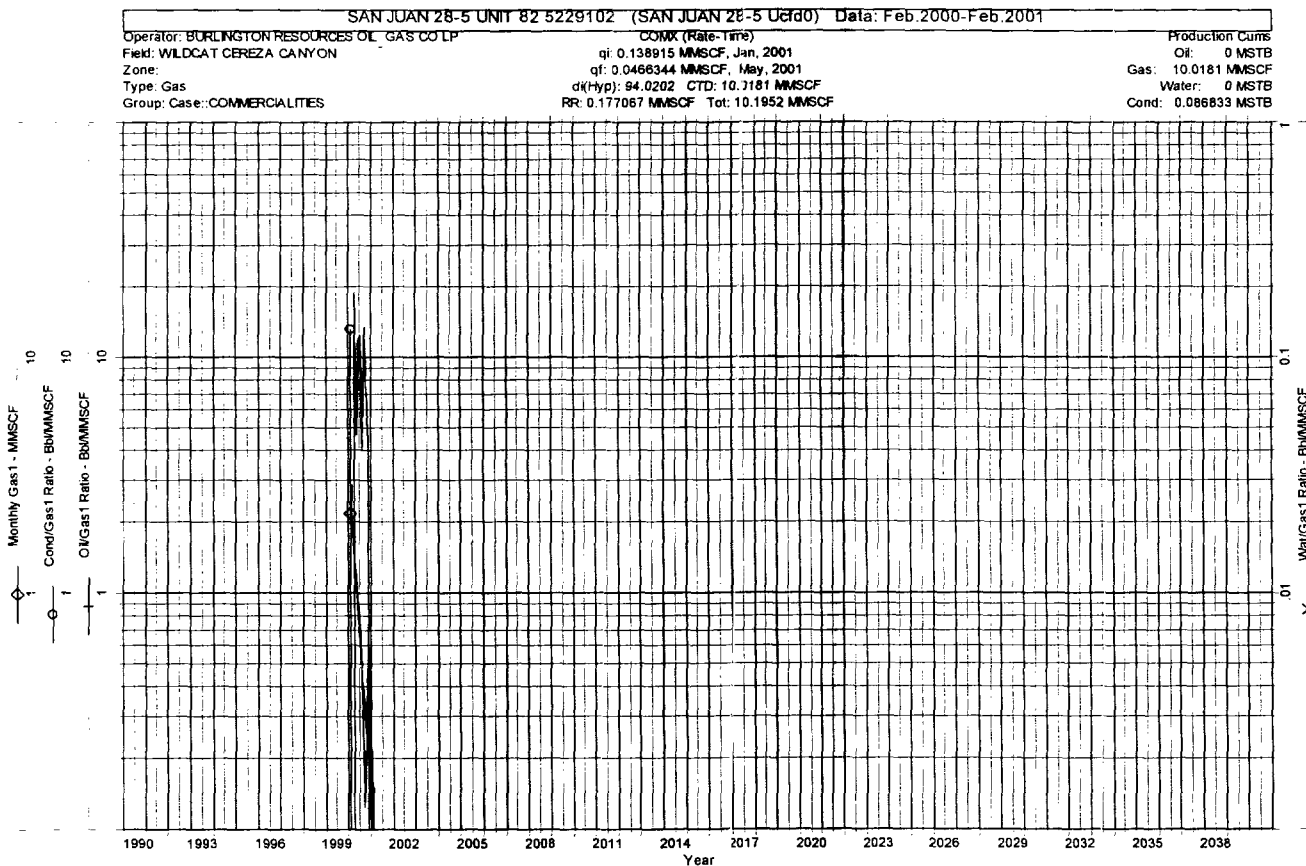
TAXES FOR: RIO ARRIBA, NEW MEXICO  
 2000 Commerciality  
GAS % OF REVENUE  
 SEVERANCE:  
 Severance, School, Conservation 7.93  
 AD VALOREM:  
 Production, Equipment 1.40  
 TOTAL %: 9.33

## AVERAGE HEAT CONTENT

1,000 MMBtu / Mcf

## WELL COST AND ECONOMICS

525.00 M\$ AVERAGE WELL COST  
 10.20 MCMF ULT. GROSS GAS RESERVES  
 74.94 MCFD INITIAL GAS RATE  
 0.00 % RATE OF RETURN  
 -0.96 \$/\$ P/I, DISC. @ 10.00 %  
 -503.58 M\$ NET PRESENT VALUE, DISC. @ 10.00 %  
 0.00 YRS PAYOUT



**BURLINGTON RESOURCES**  
**COMMERCIALITY DETERMINATION**  
**BLM DATA SHEET**  
**SAN JUAN 28-5 UNIT 82**

**CASH FLOW SUMMARY**

Date	Gas1 Rate	Gas1 Volume	Net Gas Volume	Gas1 Price	Gas Price	Net Revenue	Production Taxes	Total Opcosts	Total Oper Inc	Total Capital	Total BT Cash
	mcf/d	MMSCF	MMSCF	\$/MMBTU	\$/mcf	M\$	M\$	M\$	M\$	M\$	M\$
2000 02	74.9	2.2	1.9	3.23	3.23	6.14	0.65	0.36	5.13	525.00	-519.87
2000 03	61.2	1.9	1.7	3.23	3.23	5.36	0.57	0.35	4.45	0.00	4.45
2000 04	47.4	1.4	1.2	3.23	3.23	4.02	0.42	0.33	3.27	0.00	3.27
2000 05	34.8	1.1	0.9	3.23	3.23	3.04	0.32	0.32	2.41	0.00	2.41
2000 06	28.6	0.9	0.8	3.23	3.23	2.42	0.26	0.31	1.86	0.00	1.86
2000 07	21.9	0.7	0.6	3.23	3.23	1.91	0.20	0.30	1.41	0.00	1.41
2000 08	13.3	0.4	0.4	3.23	3.23	1.17	0.12	0.29	0.76	0.00	0.76
2000 09	4.2	0.1	0.1	3.23	3.23	0.35	0.04	0.28	0.04	0.00	0.04
2000 10	6.3	0.2	0.2	3.23	3.23	0.55	0.06	0.28	0.21	0.00	0.21
2000 11	26.6	0.8	0.7	3.23	3.23	2.25	0.24	0.31	1.71	0.00	1.71
2000 12	3.6	0.1	0.1	3.23	3.23	0.32	0.03	0.28	0.00	0.00	0.00
2001 01	6.9	0.2	0.2	3.23	3.23	0.60	0.06	0.28	0.26	0.00	0.26
<b>Total</b>	<b>0.0</b>	<b>10.0</b>	<b>8.7</b>	<b>0.00</b>	<b>0.00</b>	<b>28.16</b>	<b>2.97</b>	<b>3.69</b>	<b>21.50</b>	<b>525.00</b>	<b>-503.50</b>

# BURLINGTON RESOURCES

SAN JUAN DIVISION

April 10, 2001

Bureau of Land Management  
Farmington Resource Area  
Attn: Mr. Wayne Townsend  
1235 La Plata Highway  
Farmington, NM 87401

State of New Mexico  
Commissioner of Public Lands  
Attn: Mr. Pete Martinez  
P.O. Box 1148  
Santa Fe, NM 87504-1148

State of New Mexico  
Oil Conservation Division  
Attn: Ms. Lori Wrotenbery  
2040 South Pacheco  
Santa Fe, NM 87505

RE: San Juan 28-5 Unit (#14-08-001-949)  
Commerciality Determination  
Dakota Formation  
Rio Arriba County, New Mexico

Gentlemen:

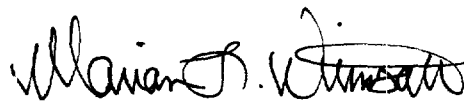
Pursuant to the provisions of Section 11(a) of the San Juan 28-5 Unit Agreement, #14-08-001-949, approved August 25, 1953, Burlington Resources Oil & Gas Company, as Operator, has determined that the well listed below is not capable of producing unitized substances in paying quantities from the Dakota formation. Burlington is seeking confirmation of the well determination enclosed.

BR's AIN #	Well Name & Number	Well Dedication	Dedicated Lease	Completion Date	Commerciality Determination
3636102	San Juan 28-5 Unit NP #86M	W/2 23-28N-5W	SF-079519-A	03/28/99	Non-Commercial

Upon receipt of response from the Bureau of Land Management and concurring responses from the Commissioner of Public Lands and New Mexico Oil Conservation Division, the well will be carried on a lease basis.

Copies of this letter are being sent to the working interest owners on the attached sheet. If you have any questions or need any additional information, please contact the undersigned at (505) 326-9860.

Very truly yours,



Marian L. Wimsatt, CPLTA  
Land Analyst

MLW:ll  
S.J. 28-5 Unit, 4.3  
cc: Linda Dean

# ***WORKING INTEREST OWNERS SAN JUAN 28-5 UNIT***

LORRAYN GAY HACKER

ASHDLA LLC

BOLACK MINERALS CO

BURLINGTON RESOURCES OIL & GAS CO LP

CARL R MCELVAIN ESTATE

CHARLES W GAY

DEVON ENERGY PRODUCTION CO LP

DUGAN PRODUCTION CORPORATION

E J E BROWN COMPANY

EVELYN G BROWN TRST U/W/O

JAMES M RAYMOND

KATHLEEN QUINN

ALGERNON W BROWN TRUST U/W/O

LELA L BARKLEY

WILLIAMS PRODUCTION COMPANY

LYNN ADAIR GILLESPIE

M A R OIL AND GAS CORP INC

MAYDELL MILLER MAST

PHILLIPS PETROLEUM

POOL RESOURCES LTD

R J MCCULLOUGH J W

ROBERT & FRANCES TINNIN

RUTH ZIMMERMAN TRUST

T H MCELVAIN OIL & GAS LTD

VASTAR RESOURCES INC

VAUGHAN MCELVAIN ENERGY INC

LANGDON D HARRISON

# BURLINGTON RESOURCES COMMERCIALITY DETERMINATION BLM DATA SHEET SAN JUAN 28-5 UNIT NP 86M

## WELL INFORMATION

LEASE SAN JUAN 28-5 UNIT NP 86M  
 LOCATION 023028N005WNNW/4 NW/4  
 COUNTY, STATE RIO ARRIBA, NEW MEXICO  
 FORMATION DAKOTA  
 PROJECT TYPE NEWDRILL  
 WELL TYPE GAS WELL  
 OPERATOR BURLINGTON RESOURCES OIL & GAS CO LP  
 SPUD DATE 1/30/99  
 COMP DATE 3/28/99  
 1ST DELIVERY 4/7/99  
 COMM GWI % 100.00 BROG GWI % 73.0464  
 COMM NRI % 87.50 BROG NRI % 61.4787  
 BOARD RATE % 8.00

## PRODUCTION TAXES

TAXES FOR: RIO ARRIBA, NEW MEXICO  
 1996-1999 Commerciality

### GAS % OF REVENUE

SEVERANCE:  
 Severance, School, Conservation 7.93  
 AD VALOREM:  
 Production, Equipment 1.40  
 TOTAL %: 9.33

## AVERAGE HEAT CONTENT

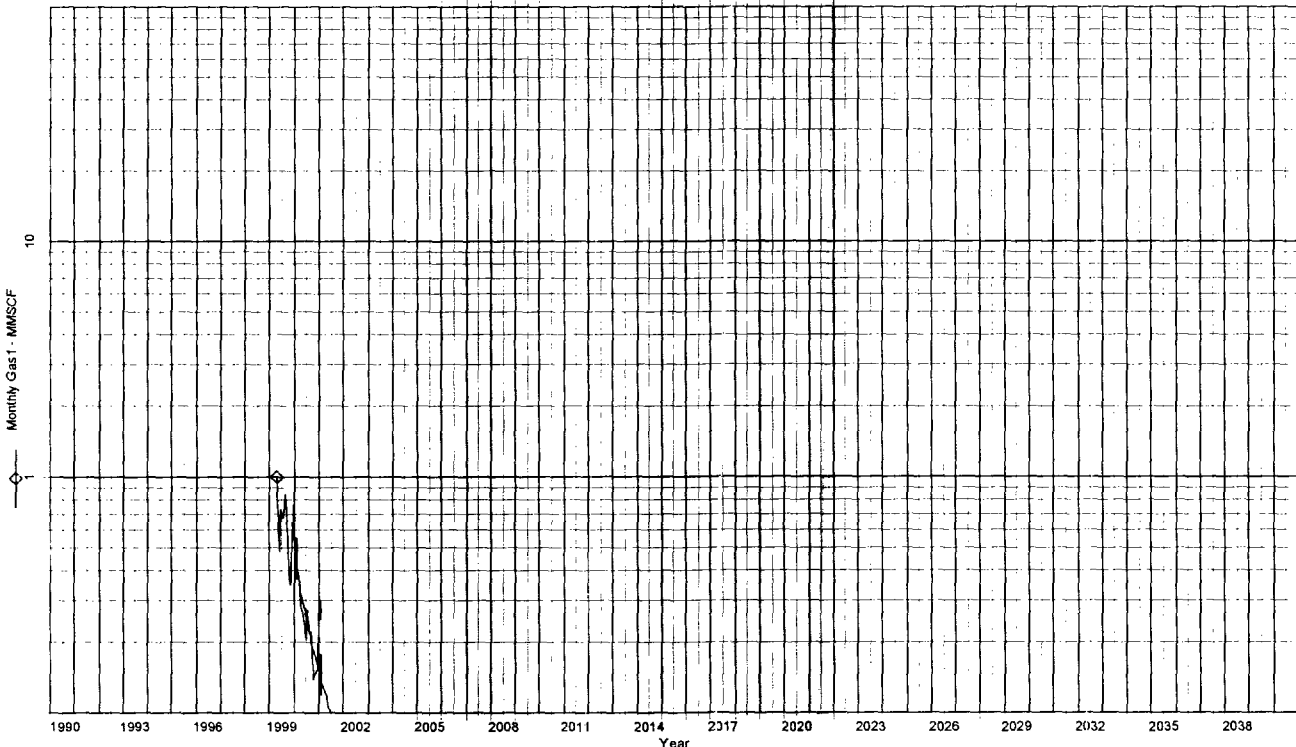
1,000 MMBtu / Mcf

## WELL COST AND ECONOMICS

550.00 M\$ AVERAGE WELL COST  
 10.72 MMCF ULT. GROSS GAS RESERVES  
 21.31 MCFD INITIAL GAS RATE  
 0.00 % RATE OF RETURN  
 -0.95 \$/\$ P/I, DISC. @ 8.00 %  
 -524.65 M\$ NET PRESENT VALUE, DISC. @ 8.00 %  
 0.00 YRS PAYOUT

SAN JUAN 28-5 UNIT NP 86M 3636102 (333277673224.309) Data: Apr.1999-Feb.2001

Operator: BURLINGTON RESOURCES OIL GAS CO LP  
 Field: BASIN DAKOTA (PRORATED GAS)  
 Zone:  
 Type: Gas  
 Group: Case: COMMERCIALITIES  
 COMX (Rate-Time)  
 qi: 0.151573 MMSCF, Jan, 2001  
 qf: 0.0427202 MMSCF, Jun, 2002  
 d(Hyp): 51.6555 CTD: 9.49543 MMSCF  
 RR: 1.22275 MMSCF Tot: 10.7182 MMSCF  
 Production Curvs  
 Oil: 0 MSTB  
 Gas: 9.49543 MMSCF  
 Water: 0 MSTB  
 Cond: 0 MSTB



**BJURLINGTON RESOURCES**  
**COMMERCIALITY DETERMINATION**  
**BLM DATA SHEET**  
**SAN JUAN 28-5 UNIT NP 86M**

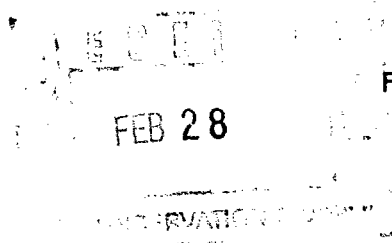
**CASH FLOW SUMMARY**

Date	Gas1 Rate	Gas1 Volume	Net Gas Volume	Gas1 Price	Gas Price	Net Revenue	Production Taxes	Total Opcosts	Total Oper Inc	Total Capital	Total BT Cash
	mcf/d	MMSCF	MMSCF	\$/MMBTU	\$/mcf	M\$	M\$	M\$	M\$	M\$	M\$
1999(12)	21.3	5.9	5.1	3.23	3.23	16.56	1.74	0.26	14.56	550.00	-535.44
2000(12)	8.4	3.1	2.7	3.23	3.23	8.71	0.92	0.14	7.66	0.00	7.66
2001(12)	4.1	1.5	1.3	3.23	3.23	4.19	0.44	0.07	3.69	0.00	3.69
2002(12)	1.6	0.3	0.3	3.23	3.23	0.83	0.09	0.01	0.73	0.00	0.73
Total	0.0	10.7	9.4	0.00	0.00	30.29	3.19	0.47	26.63	550.00	-523.37

File

# BURLINGTON RESOURCES

SAN JUAN DIVISION



February 21, 2001

Bureau of Land Management  
Farmington Resource Area  
1235 La Plata Highway  
Farmington, NM 87401

Commissioner of Public Lands  
State of New Mexico  
P. O. Box 1148  
Santa Fe, NM 87501-1148

Oil Conservation Division  
State of New Mexico  
2040 S. Pacheco  
Santa Fe, NM 87505

**RE: 2001 Plan of Development  
SAN JUAN 28-5 UNIT 14-08-001-949  
RIO ARRIBA COUNTY, NEW MEXICO**

Ladies and Gentlemen:

The following Participating Areas currently exist in the SAN JUAN 28-5 UNIT:

FORMATION	EXPANSION	EFFECTIVE DATE
DAKOTA	020	01-Nov-79
FRUITLAND COAL	000	14-Oct-89
MESAVERDE	027	01-Aug-95
PICTURED CLIFFS	001	01-May-81

The 2000 Plan of Development (or amendments thereto) provided for the following activity:

WELL NAME	FORMATION	TYPE	DEDICATION	STATUS
SAN JUAN 28-5 UNIT 24B	MESAVERDE	New Drill - Single	N2 34-028N-005W	Cancelled
SAN JUAN 28-5 UNIT 50B	MESAVERDE	New Drill - Single	S2 28-028N-005W	Cancelled
SAN JUAN 28-5 UNIT 53B	MESAVERDE	New Drill - Single	N2 35-028N-005W	Cancelled
SAN JUAN 28-5 UNIT 56M	MESAVERDE	NewDrill - Commingle	S2 32-028N-005W	Completed
SAN JUAN 28-5 UNIT 56M	DAKOTA	NewDrill - Cornmingle	S2 32-028N-005W	Completed
SAN JUAN 28-5 UNIT 69M	DAKOTA	NewDrill - Cornmingle	E2 33-028N-005W	Completed
SAN JUAN 28-5 UNIT 69M	MESAVERDE	NewDrill - Cornmingle	S2 33-028N-005W	Completed
SAN JUAN 28-5 UNIT 71M	MESAVERDE	NewDrill - Cornmingle	S2 34-028N-005W	Completed
SAN JUAN 28-5 UNIT 71M	DAKOTA	NewDrill - Cornmingle	NSP 34-028N-005W	Completed
SAN JUAN 28-5 UNIT 80M	MESAVERDE	New Drill - Commingle	N2 26-028N-005W	Carry Over
SAN JUAN 28-5 UNIT 80M	DAKOTA	New Drill - Commingle	N2 26-028N-005W	Carry Over
SAN JUAN 28-5 UNIT 81M	MESAVERDE	NewDrill - Commingle	S2 26-028N-005W	Carry Over



San Juan 28-5 Unit  
 2001 Plan of Development  
 February 21, 2001

SAN JUAN 28-5 UNIT 81M	DAKOTA	NewDrill - Commingle	S2 26-028N-005W	Carry Over
SAN JUAN 28-5 UNIT 61	MESAVERDE	Recompletion – Commingle	N2 18-028N-005W	Completed
SAN JUAN 28-5 UNIT 62	MESAVERDE	Recompletion – Commingle	N2 31-028N-005W	Completed
SAN JUAN 28-5 UNIT 63E	MANCOS	Recompletion – Commingle	SE 20-028N-005W	Completed
SAN JUAN 28-5 UNIT 75	MANCOS	Recompletion – Commingle	NE 17-028N-005W	Completed
SAN JUAN 28-5 UNIT 82	MANCOS	Recompletion – Commingle	SW 22-028N-005W	Completed
SAN JUAN 28-5 UNIT 85	MESAVERDE	Recompletion – Commingle	S2 08-028N-005W	Completed
SAN JUAN 28-5 UNIT 89E	MESAVERDE	Recompletion - Commingle	S2 09-028N-005W	Completed

Pursuant to Section 10 of the SAN JUAN 28-5 UNIT Agreement, Burlington Resources Oil & Gas Company, as Unit Operator, hereby submits the 2001 Plan of Development as follows:

WELL NAME	FORMATION	TYPE	DEDICATION
SAN JUAN 28-5 UNIT 80M	MESAVERDE	New Drill – Commingle	N2 26-028N-005W
SAN JUAN 28-5 UNIT 80M	DAKOTA	New Drill – Commingle	N2 26-028N-005W
SAN JUAN 28-5 UNIT 81M	MESAVERDE	NewDrill - Commingle	S2 26-028N-005W
SAN JUAN 28-5 UNIT 81M	DAKOTA	NewDrill - Commingle	S2 26-028N-005W
SAN JUAN 28-5 UNIT 62M	MESAVERDE	NewDrill - Dual	N2 31-028N-005W
SAN JUAN 28-5 UNIT 62M	DAKOTA	NewDrill - Dual	N2 31-028N-005W
SAN JUAN 28-5 UNIT 23B	MESAVERDE	NewDrill - Single	N2 28-028N-005W

The following is a well listing for wells in SAN JUAN 28-5 UNIT and the current status our system contains for the well.

WELL NAME	FORM	LEGAL DESC	REASON	FLAG
SAN JUAN 28-5 UNIT 101M	DAKOTA	W2 013-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 101M	MESAVERDE	N2 013-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 102E	DAKOTA	NSP 012-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 102E	MESAVERDE	S2 012-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 103M	MESAVERDE	S2 023-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 103M	DAKOTA	E2 023-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 34	MESAVERDE	S2 018-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 34	DAKOTA	S2 018-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 35	MESAVERDE	S2 019-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 35	DAKOTA	S2 019-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 35M	MESAVERDE	S2 019-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 35M	DAKOTA	S2 019-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 41M	MESAVERDE	N2 032-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 41M	DAKOTA	N2 032-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 42	DAKOTA	S2 031-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 42	MESAVERDE	S2 031-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 42M	DAKOTA	S2 031-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 42M	MESAVERDE	S2 031-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 44	MESAVERDE	S2 027-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 44	DAKOTA	S2 027-028N-005W	Active	Commingle

San Juan 28-5 Unit  
 2001 Plan of Development  
 February 21, 2001

SAN JUAN 28-5 UNIT 45M	MESAVERDE	N2	036-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 45M	DAKOTA	NSP	036-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 54E	DAKOTA	W2	020-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 54E	GALLUP	NW4	020-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 56M	DAKOTA	S2	032-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 56M	MESAVERDE	S2	032-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 57M	MESAVERDE	N2	019-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 57M	DAKOTA	N2	019-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 58M	MESAVERDE	S2	030-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 58M	DAKOTA	S2	030-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 59M	MESAVERDE	N2	030-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 59M	DAKOTA	N2	030-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 60M	MESAVERDE	N2	029-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 60M	DAKOTA	N2	029-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 61	DAKOTA	N2	018-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 61	MESAVERDE	N2	018-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 61E	DAKOTA	N2	018-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 61E	GALLUP	NW4	018-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 62	DAKOTA	N2	031-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 62	MESAVERDE	N2	031-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 63E	DAKOTA	E2	020-028N-005W	Shut-in	Commingle
SAN JUAN 28-5 UNIT 63E	GALLUP	SE4	020-028N-005W	Shut-in	Commingle
SAN JUAN 28-5 UNIT 64M	MESAVERDE	N2	028-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 64M	DAKOTA	N2	028-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 65M	MESAVERDE	S2	028-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 65M	DAKOTA	S2	028-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 66M	MESAVERDE	S2	029-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 66M	DAKOTA	S2	029-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 68M	MESAVERDE	N2	033-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 68M	DAKOTA	W2	033-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 69M	DAKOTA	E2	033-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 69M	MESAVERDE	S2	033-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 70M	DAKOTA	W2	034-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 70M	MESAVERDE	N2	034-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 71M	DAKOTA	NSP	034-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 71M	MESAVERDE	S2	034-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 72M	MESAVERDE	N2	035-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 72M	DAKOTA	NSP	035-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 73M	DAKOTA	NSP	035-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 73M	MESAVERDE	S2	035-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 75	DAKOTA	N2	017-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 75	GALLUP	NE4	017-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 76	DAKOTA	N2	021-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 76	MESAVERDE	N2	021-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 77M	MESAVERDE	N2	027-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 77M	DAKOTA	N2	027-028N-005W	Active	Commingle

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SAN JUAN 28-5 UNIT 78	DAKOTA	W2	025-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 78	MESAVERDE	S2	025-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 78M	MESAVERDE	N2	025-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 78M	DAKOTA	W2	025-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 82	DAKOTA	W2	022-028N-005W	T&A	Commingle
SAN JUAN 28-5 UNIT 82	GALLUP	SW4	022-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 83M	DAKOTA	W2	016-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 83M	MESAVERDE	N2	016-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 84E	MESAVERDE	S2	016-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 84E	DAKOTA	E2	016-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 85	DAKOTA	NSP	008-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 85	MESAVERDE	S2	008-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 86M	MESAVERDE	N2	023-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 88M	MESAVERDE	W2	015-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 88M	DAKOTA	W2	015-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 89E	DAKOTA	NSP	009-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 89E	MESAVERDE	S2	009-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 92M	MESAVERDE	N2	024-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 92M	DAKOTA	W2	024-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 93M	DAKOTA	E2	015-028N-005W	T&A	Commingle
SAN JUAN 28-5 UNIT 93M	MESAVERDE	S2	015-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 94	MESAVERDE	S2	025-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 94	DAKOTA	NSP	025-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 97M	DAKOTA	E2	014-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 97M	MESAVERDE	S2	014-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 98M	MESAVERDE	S2	013-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 98M	DAKOTA	NSP	013-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT NP 200	FRUITLAND COAL	N2	014-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT NP 200	PICTURED CLIFFS	N2	014-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT NP 211	FRUITLAND COAL	S2	013-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT NP 211	PICTURED CLIFFS	S2	013-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT NP 212	PICTURED CLIFFS	S2	015-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT NP 212	FRUITLAND COAL	S2	015-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT NP 227	FRUITLAND COAL	S2	011-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT NP 227	PICTURED CLIFFS	SW4	011-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT NP 228	FRUITLAND COAL	N2	024-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT NP 228	PICTURED CLIFFS	N2	024-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT NP 229	FRUITLAND COAL	S2	027-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT NP 229	PICTURED CLIFFS	S2	027-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT NP 230	FRUITLAND COAL	N2	025-028N-005W	Shut-in	Commingle
SAN JUAN 28-5 UNIT NP 230	PICTURED CLIFFS	N2	025-028N-005W	Shut-in	Commingle
SAN JUAN 28-5 UNIT NP 232	FRUITLAND COAL	S2	024-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT NP 232	PICTURED CLIFFS	S2	024-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT NP 235	FRUITLAND COAL	S2	028-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT NP 235	PICTURED CLIFFS	S2	028-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT NP 236	FRUITLAND COAL	S2	026-028N-005W	Active	Commingle

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SAN JUAN 28-5 UNIT NP 236	PICTURED CLIFFS	S2	026-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT NP 240	FRUITLAND COAL	N2	032-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT NP 240	PICTURED CLIFFS	N2	032-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT NP 242	FRUITLAND COAL	S2	012-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT NP 242	PICTURED CLIFFS	S2	012-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT NP 86M	DAKOTA	W2	023-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT NP 91E	DAKOTA	W2	014-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT NP 91E	MESAVERDE	N2	014-028N-005W	Active	Commingle
				<b>Commingle Count</b>	120
SAN JUAN 28-5 UNIT 29A	PICTURED CLIFFS	N2	018-028N-005W	Active	Dual
SAN JUAN 28-5 UNIT 29A	MESAVERDE	N2	018-028N-005W	Active	Dual
SAN JUAN 28-5 UNIT 33	MESAVERDE	S2	017-028N-005W	Active	Dual
SAN JUAN 28-5 UNIT 33	DAKOTA	S2	017-028N-005W	Shut-in	Dual
SAN JUAN 28-5 UNIT 38A	PICTURED CLIFFS	S2	032-028N-005W	Active	Dual
SAN JUAN 28-5 UNIT 38A	MESAVERDE	S2	032-028N-005W	Active	Dual
SAN JUAN 28-5 UNIT 41	MESAVERDE	N2	032-028N-005W	Active	Dual
SAN JUAN 28-5 UNIT 41	DAKOTA	N2	032-028N-005W	Active	Dual
SAN JUAN 28-5 UNIT 51A	PICTURED CLIFFS	N2	031-028N-005W	Active	Dual
SAN JUAN 28-5 UNIT 51A	MESAVERDE	N2	031-028N-005W	Active	Dual
SAN JUAN 28-5 UNIT 67M	MESAVERDE	S2	021-028N-005W	Active	Dual
SAN JUAN 28-5 UNIT 67M	DAKOTA	S2	021-028N-005W	Active	Dual
SAN JUAN 28-5 UNIT 76M	MESAVERDE	N2	021-028N-005W	Active	Dual
SAN JUAN 28-5 UNIT 76M	DAKOTA	N2	021-028N-005W	Active	Dual
				<b>Dual Count</b>	14
SAN JUAN 28-5 UNIT 1	MESAVERDE	N2	029-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 10	MESAVERDE	S2	015-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 101	DAKOTA	W2	013-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 102	DAKOTA	NSP	011-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 103	DAKOTA	E2	023-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 107	MESAVERDE	S2	012-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 11	MESAVERDE	S2	033-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 11A	MESAVERDE	S2	033-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 12	MESAVERDE	S2	007-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 12A	MESAVERDE	S2	007-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 13	MESAVERDE	S2	009-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 14	MESAVERDE	N2	020-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 14A	MESAVERDE	N2	020-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 15	MESAVERDE	S2	034-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 15A	MESAVERDE	S2	034-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 16	MESAVERDE	N2	016-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 17	MESAVERDE	S2	020-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 17A	MESAVERDE	S2	020-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 18	MESAVERDE	S2	011-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 18A	MESAVERDE	S2	011-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 19	MESAVERDE	S2	010-028N-005W	Active	Single

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SAN JUAN 28-5 UNIT 19A	MESAVERDE	S2	010-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 2	MESAVERDE	S2	014-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 20	MESAVERDE	S2	030-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 202	FRUITLAND COAL	N2	016-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 21	MESAVERDE	S2	035-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 22	MESAVERDE	S2	021-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 23	MESAVERDE	N2	028-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 24	MESAVERDE	N2	034-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 245	FRUITLAND COAL	N2	022-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 25	MESAVERDE	S2	013-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 26	MESAVERDE	N2	014-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 27	MESAVERDE	N2	015-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 28	MESAVERDE	N2	017-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 28A	MESAVERDE	N2	017-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 29	MESAVERDE	N2	018-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 30	MESAVERDE	N2	022-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 30A	MESAVERDE	N2	022-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 31	MESAVERDE	N2	013-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 32	MESAVERDE	N2	030-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 33A	MESAVERDE	S2	017-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 34A	MESAVERDE	S2	018-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 34E	DAKOTA	S2	018-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 36	MESAVERDE	N2	026-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 37	MESAVERDE	S2	024-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 38	MESAVERDE	S2	032-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 39	MESAVERDE	N2	024-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 4	MESAVERDE	N2	019-028N-005W	P&A	Single
SAN JUAN 28-5 UNIT 40	MESAVERDE	N2	027-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 43	MESAVERDE	S2	025-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 44A	MESAVERDE	S2	027-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 45	DAKOTA	NSP	036-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 46	MESAVERDE	N2	025-028N-005W	Shut-in	Single
SAN JUAN 28-5 UNIT 47	MESAVERDE	N2	036-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 48	MESAVERDE	S2	022-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 48A	MESAVERDE	S2	022-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 49	MESAVERDE	N2	023-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 4R	MESAVERDE	N2	019-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 50	MESAVERDE	S2	028-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 51	MESAVERDE	N2	031-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 52	MESAVERDE	N2	033-028N-005W	P&A	Single
SAN JUAN 28-5 UNIT 52R	MESAVERDE	N2	033-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 53	MESAVERDE	N2	035-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 54	DAKOTA	W2	020-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 55	MESAVERDE	S2	023-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 56	DAKOTA	S2	032-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 57	DAKOTA	N2	019-028N-005W	P&A	Single

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SAN JUAN 28-5 UNIT 58	DAKOTA	S2	030-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 59	DAKOTA	N2	030-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 6	MESAVERDE	S2	016-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 60	DAKOTA	N2	029-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 63	DAKOTA	E2	020-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 64	DAKOTA	N2	028-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 65	DAKOTA	S2	028-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 66	DAKOTA	S2	029-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 67	DAKOTA	S2	021-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 68	DAKOTA	W2	033-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 69	DAKOTA	E2	033-028N-005W	P&A	Single
SAN JUAN 28-5 UNIT 7	MESAVERDE	S2	008-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 70	DAKOTA	W2	034-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 71	DAKOTA	NSP	034-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 72	DAKOTA	NSP	034-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 73	DAKOTA	NSP	035-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 74	DAKOTA	NSP	036-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 77	DAKOTA	N2	027-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 79	DAKOTA	NSP	007-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 79E	DAKOTA	NSP	007-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 7A	MESAVERDE	S2	008-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 8	MESAVERDE	N2	021-028N-005W	P&A	Single
SAN JUAN 28-5 UNIT 8	FRUITLAND COAL	N2	021-028N-005W	P&A	Single
SAN JUAN 28-5 UNIT 80	DAKOTA	N2	026-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 81	DAKOTA	S2	026-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 83	DAKOTA	W2	016-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 84	DAKOTA	E2	016-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 85E	DAKOTA	NSP	008-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 87	DAKOTA	E2	022-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 88	DAKOTA	W2	015-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 89	MESAVERDE	S2	009-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 89	DAKOTA	NSP	009-028N-005W	P&A	Single
SAN JUAN 28-5 UNIT 9	MESAVERDE	S2	029-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 91	DAKOTA	W2	014-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 92	DAKOTA	W2	024-028N-005W	P&A	Single
SAN JUAN 28-5 UNIT 93	DAKOTA	E2	015-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 95	PICTURED CLIFFS	S2	031-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 96	DAKOTA	NSP	010-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 96E	DAKOTA	NSP	011-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 97	DAKOTA	E2	014-028N-005W	P&A	Single
SAN JUAN 28-5 UNIT 98	DAKOTA	NSP	013-028N-005W	P&A	Single
SAN JUAN 28-5 UNIT NP 201	FRUITLAND COAL	N2	015-028N-005W	Active	Single
SAN JUAN 28-5 UNIT NP 203	FRUITLAND COAL	N2	017-028N-005W	P&A	Single
SAN JUAN 28-5 UNIT NP 204	FRUITLAND COAL	N2	018-028N-005W	Active	Single
SAN JUAN 28-5 UNIT NP 219	FRUITLAND COAL	N2	030-028N-005W	Active	Single
SAN JUAN 28-5 UNIT NP 223	FRUITLAND COAL	S2	034-028N-005W	Active	Single

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SAN JUAN 28-5 UNIT NP 3	MESAVERDE	S2 026-028N-005W	Active	Single
SAN JUAN 28-5 UNIT NP 86	DAKOTA	W2 023-028N-005W	Active	Single
			<b>Single Count</b>	<b>115</b>
			<b>Grand Count</b>	<b>249</b>

The working interest owners are being furnished a copy of this letter. Burlington, as Unit Operator, will drill any offset wells required to prevent drainage of unitized substances and any other wells deemed necessary by the working interest owners or Unit Operator.

In accordance to Section 10 of the Unit Agreement, please provide your approvals by executing and returning a copy of this letter to the undersigned.

Please contact me at (505) 326-9760 if there are any questions regarding this letter.

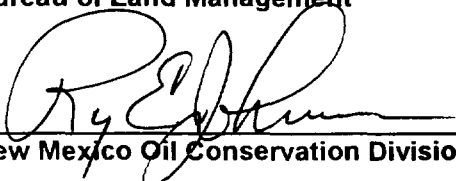
Yours very truly,



Linda Dean  
 Land Advisor

San Juan 28-5 Unit, 3.0 (2001)

**SAN JUAN 28-5 UNIT  
 2001 PLAN OF DEVELOPMENT**

\_\_\_\_\_  
 Bureau of Land Management  
  
 \_\_\_\_\_  
 New Mexico Oil Conservation Division

\_\_\_\_\_  
 Date  
 3/5/2001  
 \_\_\_\_\_  
 Date

\_\_\_\_\_  
 New Mexico Commissioner of Public Lands

\_\_\_\_\_  
 Date

# ***WORKING INTEREST OWNERS SAN JUAN 28-5 UNIT***

LORRAYN GAY HACKER  
ASHDLA LLC  
BOLACK MINERALS CO  
BURLINGTON RESOURCES OIL &  
GAS CO LP  
CARL R MCELVAIN ESTATE  
CHARLES W GAY  
DEVON ENERGY PRODUCTION CO  
LP  
DUGAN PRODUCTION  
CORPORATION  
E J E BROWN COMPANY  
EVELYN G BROWN TRST UW/O  
JAMES M RAYMOND  
KATHLEEN QUINN  
ALGERNON W BROWN TRUST UW/O  
LELA L BARKLEY  
WILLIAMS PRODUCTION COMPANY  
LYNN ADAIR GILLESPIE  
M A R OIL AND GAS CORP INC  
MAYDELL MILLER MAST  
PHILLIPS PETROLEUM  
POOL RESOURCES LTD  
R J MCCULLOUGH J W  
ROBERT & FRANCES TINNIN  
RUTH ZIMMERMAN TRUST  
T H MCELVAIN OIL & GAS LTD  
VASTAR RESOURCES INC  
VAUGHAN MCELVAIN ENERGY INC  
LANGDON D HARRISON



# 553

# BURLINGTON RESOURCES

SECRET

SEP 22 2000

SAN JUAN DIVISION

September 20, 2000

Bureau of Land Management  
Farmington Resource Area  
Attn: Mr. Richard Dembowski  
1235 La Plata Highway  
Farmington, NM 87401

State of New Mexico  
Commissioner of Public Lands  
Attn: Mr. Pete Martinez  
P.O. Box 1148  
Santa Fe, NM 87504-1148

State of New Mexico  
Oil Conservation Division  
Attn: Ms. Lori Wrotenbery  
2040 South Pacheco  
Santa Fe, NM 87505

RE: San Juan 28-5 Unit (#14-08-001-949)  
Commerciality Determination  
Mesaverde Formation  
Rio Arriba County, New Mexico

Gentlemen:

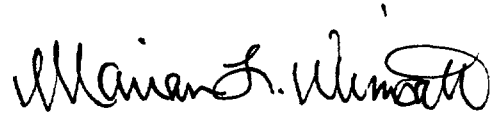
Pursuant to the provisions of Section 11(a) of the San Juan 28-5 Unit Agreement, #14-08-001-949, approved August 25, 1953, Burlington Resources Oil & Gas Company, as Operator, has determined that the wells listed below are capable of producing unitized substances in paying quantities from the Mesaverde formation. Burlington is seeking confirmation of the well determinations enclosed.

<u>BR's AIN #</u>	<u>Well Name &amp; Number</u>	<u>Well Dedication</u>	<u>Dedicated Lease</u>	<u>Completion Date</u>	<u>Commerciality Determination</u>
5433602	San Juan 28-5 Unit #102E	S/2 12-28N-5W	SF-079519-A	07/20/99	Commercial
3468101	San Juan 28-5 Unit #107	S/2 12-28N-5W	SF-079250	10/05/98	Commercial

Upon receipt of response from the Bureau of Land Management and concurring responses from the Commissioner of Public Lands and New Mexico Oil Conservation Division, the formal Participating Area Schedules will be prepared and submitted.

Copies of this letter are being sent to the working interest owners on the attached sheet. If you have any questions or need any additional information, please contact the undersigned at (505) 326-9860.

Very truly yours,



Marian L. Wimsatt, CPLTA  
Land Analyst

MLW:ll  
S.J. 28-5 Unit, 4.2

# ***WORKING INTEREST OWNERS SAN JUAN 28-5 UNIT***

M A R OIL AND GAS CORP INC  
ASHDLA LLC  
BOLACK MINERALS CO  
BURLINGTON RESOURCES O&G CO  
CARL R MCELVAIN ESTATE  
CHARLES W GAY  
DEVON ENERGY PRODUCTION CO  
LP  
E J E BROWN COMPANY  
EVELYN G BROWN TRUST U/W/O  
JAMES M RAYMOND  
KATHLEEN QUINN  
LANGDON D HARRISON  
LELA L BARKLEY  
ALGERNON W BROWN TRUST U/W/O  
LYNN ADAIR GILLESPIE  
WILLIAMS PRODUCTION COMPANY  
MARY DUGAN ESTATE  
MAYDELL MILLER MAST  
PHILLIPS PETROLEUM  
POOL HAROLD IRREV RE  
R J MCCULLOUGH J W  
ROBERT & FRANCES TINNIN  
RUTH ZIMMERMAN TRUST  
T H MCELVAIN OIL & GAS LTD  
THELMA POOL REV MARITAL TRST  
THOMAS A DUGAN  
VASTAR RESOURCES INC  
VAUGHAN MCELVAIN ENERGY INC  
LORRAYN GAY HACKER

**BURLINGTON RESOURCES  
COMMERCIALITY DETERMINATION  
BLM DATA SHEET  
SAN JUAN 28-5 UNIT 102E**

WELL INFORMATION

LEASE SAN JUAN 28-5 UNIT 102E  
 LOCATION 012028N005WSW/4 SE/4  
 COUNTY, STATE RIO ARRIBA, NEW MEXICO  
 FORMATION MESAVERDE  
 PROJECT TYPE RECOMPLETION  
 WELL TYPE GAS WELL  
 OPERATOR BURLINGTON RESOURCES  
 SPUD DATE 9/9/85  
 COMP DATE 7/20/99  
 1ST DELIVERY 7/29/99  
 COMM GWI % 100.00 BROG GWI % 89.7297  
 COMM NRI % 87.50 BROG NRI % 77.5534  
 BOARD RATE % 8.00

PRODUCTION TAXES

TAXES FOR: RIO ARRIBA, NEW MEXICO  
 1996-1999 Commerciality

GAS % OF REVENUE

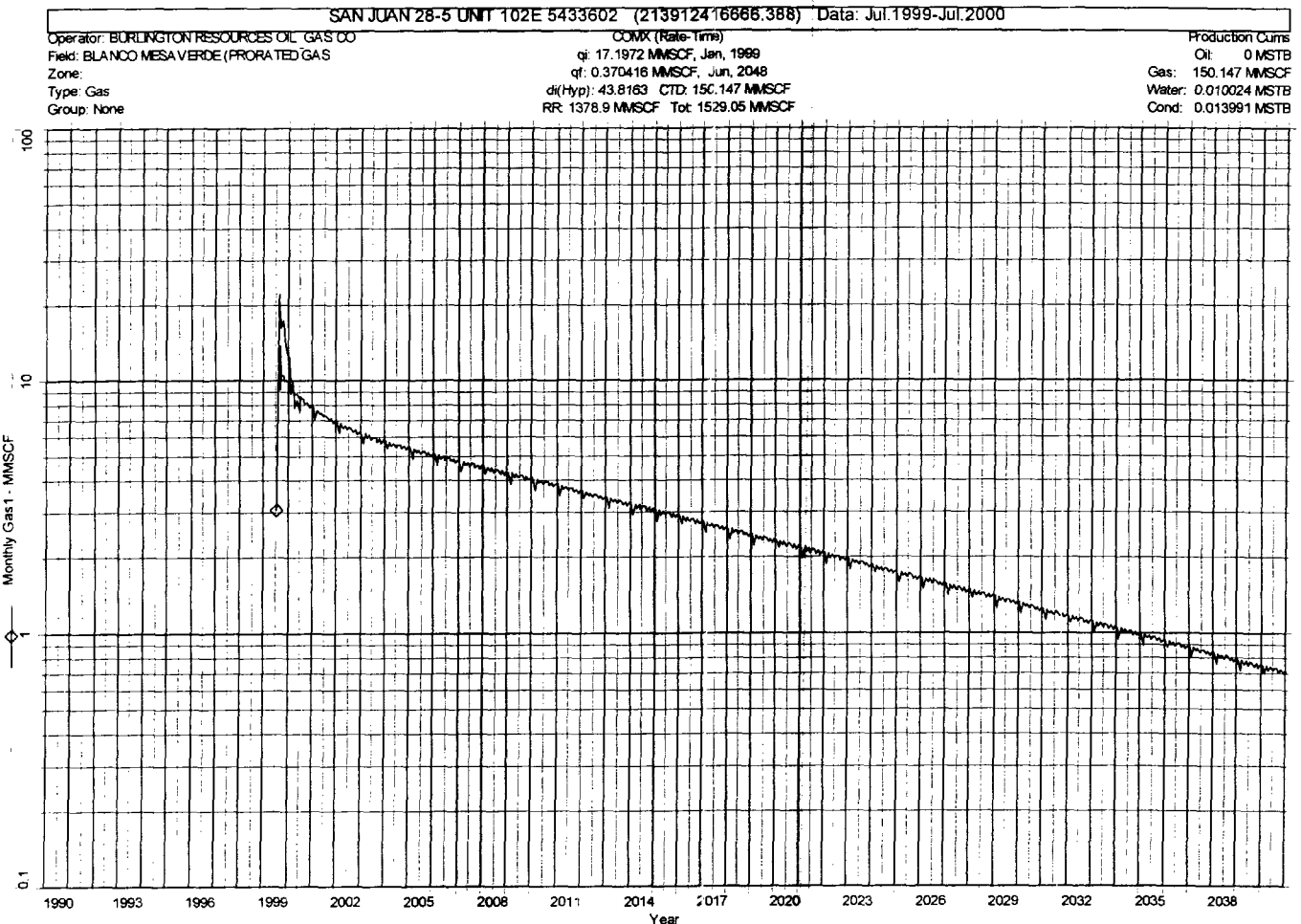
SEVERANCE:  
 Severance, School, Conservation 7.93  
 AD VALOREM:  
 Production, Equipment 1.40  
 TOTAL %: 9.33

AVERAGE HEAT CONTENT

1,180 MMBtu / Mcf

WELL COST AND ECONOMICS

360.00 M\$ AVERAGE WELL COST  
 1,525.98 MMCF ULT. GROSS GAS RESERVES  
 543.55 MCFD INITIAL GAS RATE  
 57.27 % RATE OF RETURN  
 1.98 \$/\$ P/I, DISC. @ 8.00 %  
 713.10 M\$ NET PRESENT VALUE, DISC. @ 8.00 %  
 1.99 YRS PAYOUT



**BURLINGTON RESOURCES**  
**COMMERCIALITY DETERMINATION**  
**BLM DATA SHEET**  
**SAN JUAN 28-5 UNIT 102E**

**CASH FLOW SUMMARY**

Date	Gas1 Rate	Gas1 Volume	Net Gas Volume	Gas1 Price	Gas Price	Net Revenue	Production Taxes	Total Opcosts	Total Oper Inc	Total Capital	Total BT Cash
	mcf/d	MMSCF	MMSCF	\$/MMBTU	\$/mcf	M\$	M\$	M\$	M\$	M\$	M\$
1999(12)	543.6	83.2	72.8	1.65	1.95	141.68	14.93	1.96	124.80	360.00	-235.20
2000(12)	285.6	104.5	91.5	1.65	1.95	178.08	18.76	4.69	154.62	0.00	154.62
2001(12)	238.3	87.0	76.1	1.65	1.95	148.20	15.61	4.69	127.89	0.00	127.89
2002(12)	212.3	77.5	67.8	1.65	1.95	132.04	13.91	4.69	113.44	0.00	113.44
2003(12)	194.5	71.0	62.1	1.65	1.95	120.95	12.74	4.69	103.52	0.00	103.52
2004(12)	181.2	66.3	58.0	1.65	1.95	112.99	11.90	4.69	96.39	0.00	96.39
2005(12)	170.7	62.3	54.5	1.65	1.95	106.12	11.18	4.69	90.25	0.00	90.25
2006(12)	161.3	58.9	51.5	1.65	1.95	100.29	10.57	4.69	85.03	0.00	85.03
2007(12)	152.4	55.6	48.7	1.65	1.95	94.78	9.99	4.69	80.10	0.00	80.10
2008(12)	144.0	52.7	46.1	1.65	1.95	89.80	9.46	4.69	75.65	0.00	75.65
2009(12)	136.1	49.7	43.5	1.65	1.95	84.63	8.92	4.69	71.02	0.00	71.02
2010(12)	128.6	46.9	41.1	1.65	1.95	79.98	8.43	4.69	66.86	0.00	66.86
2011(12)	121.6	44.4	38.8	1.65	1.95	75.58	7.96	4.69	62.93	0.00	62.93
2012(12)	114.9	42.0	36.8	1.65	1.95	71.62	7.55	4.69	59.38	0.00	59.38
2013(12)	108.5	39.6	34.7	1.65	1.95	67.49	7.11	4.69	55.69	0.00	55.69
2014(12)	102.6	37.4	32.8	1.65	1.95	63.78	6.72	4.69	52.37	0.00	52.37
2015(12)	96.9	35.4	31.0	1.65	1.95	60.28	6.35	4.69	49.23	0.00	49.23
2016(12)	91.6	33.5	29.3	1.65	1.95	57.12	6.02	4.69	46.41	0.00	46.41
2017(12)	86.6	31.6	27.6	1.65	1.95	53.82	5.67	4.69	43.46	0.00	43.46
2018(12)	81.8	29.9	26.1	1.65	1.95	50.87	5.36	4.69	40.82	0.00	40.82
Sub.	0.0	1,109.5	970.8	0.00	0.00	1,890.10	199.14	91.10	1,599.86	360.00	1,239.86
Rem.	0.0	416.5	364.5	0.00	0.00	709.60	74.76	138.41	496.42	0.00	496.42
Total	0.0	1,526.0	1,335.2	0.00	0.00	2,599.70	273.90	229.52	2,096.28	360.00	1,736.28

# BURLINGTON RESOURCES COMMERCIALITY DETERMINATION BLM DATA SHEET SAN JUAN 28-5 UNIT 107

## WELL INFORMATION

LEASE SAN JUAN 28-5 UNIT 107  
 LOCATION 12028N005WSW/4 SW/4  
 COUNTY, STATE RIO ARRIBA, NEW MEXICO  
 FORMATION MESAVERDE  
 PROJECT TYPE PAYADD  
 WELL TYPE GAS WELL  
 OPERATOR BURLINGTON RESOURCES OIL & GAS CO  
 SPUD DATE 9/12/98  
 COMP DATE 10/5/98  
 1ST DELIVERY 11/4/98  
 COMM GWI % 100.00 BROG GWI % 73.95  
 COMM NRI % 87.50 BROG NRI % 63.1030  
 BOARD RATE % 8.00

## PRODUCTION TAXES

TAXES FOR: RIO ARRIBA, NEW MEXICO  
 1996-1999 Commerciality

### GAS % OF REVENUE

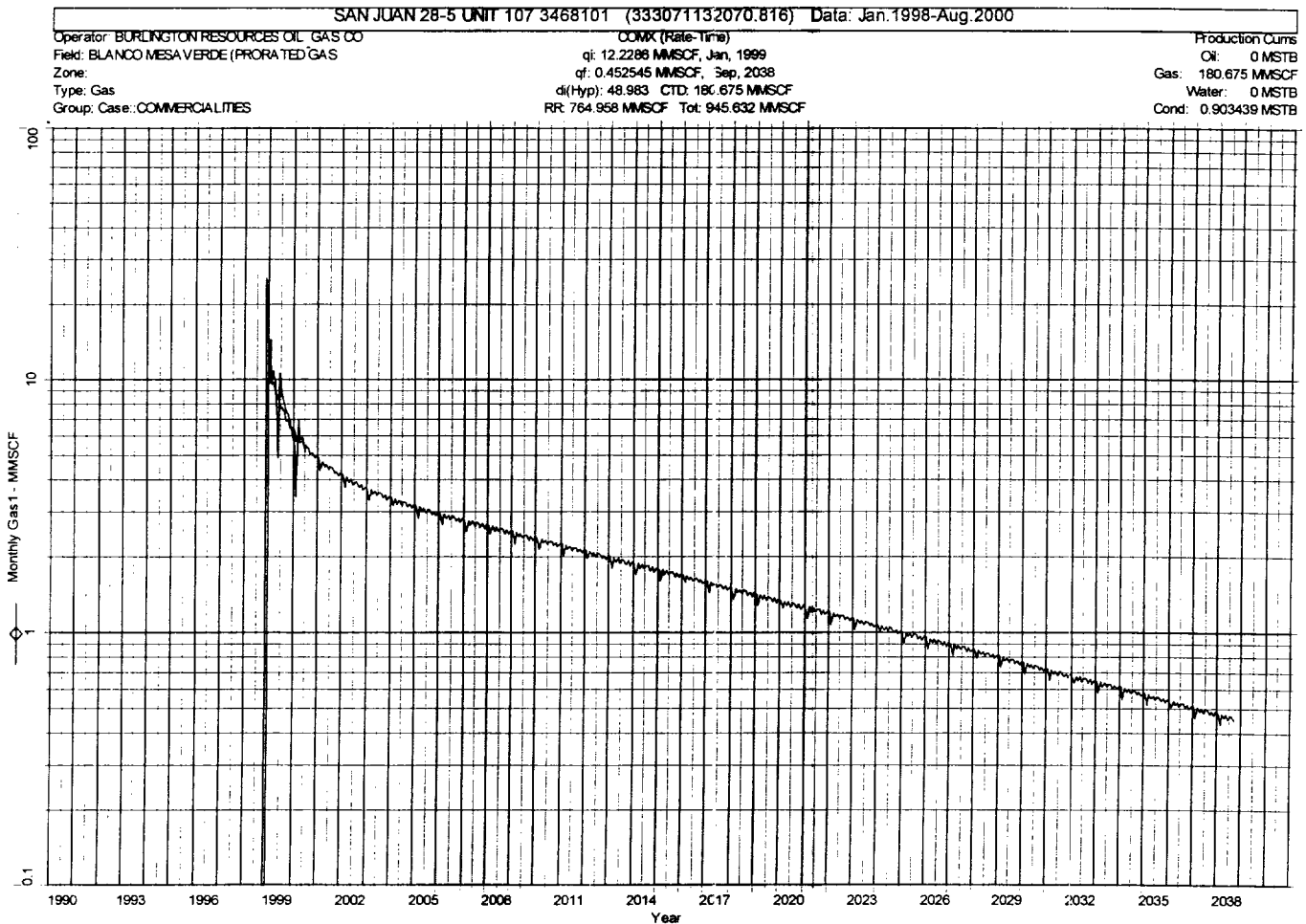
SEVERANCE:  
 Severance, School, Conservation 7.93  
 AD VALOREM:  
 Production, Equipment 1.40  
 TOTAL %: 9.33

## AVERAGE HEAT CONTENT

1,000 MMBtu / Mcf

## WELL COST AND ECONOMICS

350.00 M\$ AVERAGE WELL COST  
 945.63 MMCF ULT. GROSS GAS RESERVES  
 638.62 MCFD INITIAL GAS RATE  
 24.50 % RATE OF RETURN  
 0.69 \$\$ P/I, DISC. @ 8.00 %  
 240.10 M\$ NET PRESENT VALUE, DISC. @ 8.00 %  
 3.70 YRS PAYOUT



**BURLINGTON RESOURCES**  
**COMMERCIALITY DETERMINATION**  
**BLM DATA SHEET**  
SAN JUAN 28-5 UNIT 107

**CASH FLOW SUMMARY**

Date	Gas1 Rate	Gas1 Volume	Net Gas Volume	Gas1 Price	Gas Price	Net Revenue	Production Taxes	Total Opcosts	Total Oper Inc	Total Capital	Total BT Cash
	mcf/d	MMSCF	MMSCF	\$/MMBTU	\$/mcf	M\$	M\$	M\$	M\$	M\$	M\$
1998(12)	638.6	39.0	34.1	1.45	1.45	49.43	5.21	0.78	43.44	350.00	-306.56
1999(12)	283.6	103.5	90.6	1.65	1.65	149.46	15.75	4.69	129.02	0.00	129.02
2000(12)	173.8	63.6	55.7	1.65	1.65	91.86	9.68	4.69	77.49	0.00	77.49
2001(12)	146.5	53.5	46.8	1.65	1.65	77.21	8.13	4.69	64.38	0.00	64.38
2002(12)	127.9	46.7	40.9	1.65	1.65	67.42	7.10	4.69	55.63	0.00	55.63
2003(12)	115.4	42.1	36.9	1.65	1.65	60.83	6.41	4.69	49.73	0.00	49.73
2004(12)	106.2	38.9	34.0	1.65	1.65	56.13	5.91	4.69	45.52	0.00	45.52
2005(12)	99.1	36.2	31.6	1.65	1.65	52.20	5.50	4.69	42.01	0.00	42.01
2006(12)	93.3	34.0	29.8	1.65	1.65	49.15	5.18	4.69	39.28	0.00	39.28
2007(12)	88.1	32.2	28.2	1.65	1.65	46.45	4.89	4.69	36.86	0.00	36.86
2008(12)	83.3	30.5	26.7	1.65	1.65	44.01	4.64	4.69	34.68	0.00	34.68
2009(12)	78.7	28.7	25.1	1.65	1.65	41.48	4.37	4.69	32.41	0.00	32.41
2010(12)	74.4	27.1	23.8	1.65	1.65	39.20	4.13	4.69	30.37	0.00	30.37
2011(12)	70.3	25.7	22.4	1.65	1.65	37.04	3.90	4.69	28.45	0.00	28.45
2012(12)	66.4	24.3	21.3	1.65	1.65	35.10	3.70	4.69	26.71	0.00	26.71
2013(12)	62.8	22.9	20.0	1.65	1.65	33.08	3.48	4.69	24.90	0.00	24.90
2014(12)	59.3	21.7	18.9	1.65	1.65	31.26	3.29	4.69	23.27	0.00	23.27
2015(12)	56.1	20.5	17.9	1.65	1.65	29.54	3.11	4.69	21.74	0.00	21.74
2016(12)	53.0	19.4	17.0	1.65	1.65	27.99	2.95	4.69	20.35	0.00	20.35
2017(12)	50.1	18.3	16.0	1.65	1.65	26.38	2.78	4.69	18.91	0.00	18.91
Sub.	0.0	728.7	637.6	0.00	0.00	1,045.21	110.12	89.93	845.16	350.00	495.16
Rem.	0.0	217.0	189.8	0.00	0.00	313.23	33.00	97.36	182.87	0.00	182.87
Total	0.0	945.6	827.4	0.00	0.00	1,358.44	143.12	187.29	1,028.03	350.00	678.03

# BURLINGTON RESOURCES

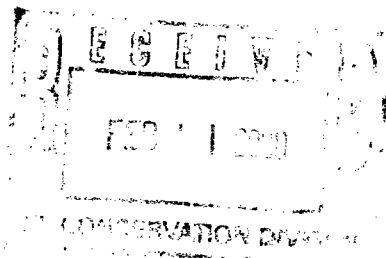
SAN JUAN DIVISION

February 10, 2000

Bureau of Land Management  
Farmington Resource Area  
1235 La Plata Highway  
Farmington, NM 87401

Commissioner of Public Lands  
State of New Mexico  
P. O. Box 1148  
Santa Fe, NM 87501-1148

Oil Conservation Division  
State of New Mexico  
2040 S. Pacheco  
Santa Fe, NM 87505



**RE: 2000 Plan of Development  
SAN JUAN 28-5 UNIT 14-08-001-949  
RIO ARRIBA COUNTY, NEW MEXICO**

Ladies and Gentlemen:

The following Participating Areas currently exist in the SAN JUAN 28-5 UNIT:

FORMATION	EXPANSION	EFFECTIVE DATE
DAKOTA	020	01-Nov-79
MESAVERDE	027	01-Aug-95
PICTURED CLIFFS	001	01-May-81
FRUITLAND COAL	000	14-Oct-89

The 1999 Plan of Development (or amendments thereto) provided for the following activity:

WELL NAME	FORMATION	TYPE	DEDICATION	STATUS
SAN JUAN 28-5 UNIT 102E	MESAVERDE	Recompletion – Commingle with Dakota	S 12-028N-005W	Completed
SAN JUAN 28-5 UNIT 37A *	MESAVERDE	NewDrill – Commingle	S 24-028N-005W	Cancelled
SAN JUAN 28-5 UNIT 37A *	DAKOTA	NewDrill – Commingle	NSP 24-028N-005W	Cancelled
SAN JUAN 28-5 UNIT 77M *	MESAVERDE	NewDrill – Commingle	N 27-028N-005W	Completed
SAN JUAN 28-5 UNIT 77M *	DAKOTA	NewDrill – Commingle	N 27-028N-005W	Completed
SAN JUAN 28-5 UNIT 80M *	MESAVERDE	NewDrill – Commingle	N 26-028N-005W	In Progress
SAN JUAN 28-5 UNIT 80M *	DAKOTA	NewDrill – Commingle	N 26-028N-005W	In Progress
SAN JUAN 28-5 UNIT 81M *	MESAVERDE	NewDrill – Commingle	S 26-028N-005W	In Progress
SAN JUAN 28-5 UNIT 81M *	DAKOTA	NewDrill – Commingle	S 26-028N-005W	In Progress
SAN JUAN 28-5 UNIT 83M *	MESAVERDE	NewDrill – Commingle	N 16-028N-005W	Completed
SAN JUAN 28-5 UNIT 83M *	DAKOTA	NewDrill – Commingle	W 16-028N-005W	Completed
SAN JUAN 28-5 UNIT 86M *	MESAVERDE	NewDrill – Commingle	N 23-028N-005W	Completed
SAN JUAN 28-5 UNIT 86M *	DAKOTA	NewDrill – Commingle	W 23-028N-005W	Completed
SAN JUAN 28-5 UNIT 92M	MESAVERDE	NewDrill – Commingle	N 24-028N-005W	Completed

SAN JUAN 28-5 UNIT 92M	DAKOTA	NewDrill - Commingle	W 24-028N-005W	Completed
SAN JUAN 28-5 UNIT NP 203	FRUITLAND COAL	P&A - Single	N 17-028N-005W	Completed
SAN JUAN 28-5 UNIT 63E	MANCOS	Recompletion - Commingle with Dakota	SE 20-028N-005W	In Progress
SAN JUAN 28-5 UNIT 75	MANCOS	Recompletion - Commingle with Dakota	NE 17-028N-005W	In Progress
SAN JUAN 28-5 UNIT 82	MANCOS	Recompletion - Commingle with Dakota	SW 22-028N-005W	In Progress

\* Carried over from 1998 Plan of Development

Copies of Participating Area maps are attached for each formation. The circled numbers correspond to the Unit Exhibit "B" ownership schedule.

Pursuant to Section 10 of the SAN JUAN 28-5 UNIT Agreement, Burlington Resources Oil & Gas Company, as Unit Operator, hereby submits the 2000 Plan of Development as follows:

WELL NAME	FORMATION	TYPE	DEDICATION
SAN JUAN 28-5 UNIT 56M	MESAVERDE	NewDrill - Commingle	S 32-028N-005W
SAN JUAN 28-5 UNIT 56M	DAKOTA	NewDrill - Commingle	S 32-028N-005W
SAN JUAN 28-5 UNIT 69M	MESAVERDE	NewDrill - Commingle	S 33-028N-005W
SAN JUAN 28-5 UNIT 69M	DAKOTA	NewDrill - Commingle	N 33-028N-005W
SAN JUAN 28-5 UNIT 71M	MESAVERDE	NewDrill - Commingle	S 34-028N-005W
SAN JUAN 28-5 UNIT 71M	DAKOTA	NewDrill - Commingle	NSP 34-028N-005W
SAN JUAN 28-5 UNIT 24B	MESAVERDE	NewDrill - Single	N 34-028N-005W
SAN JUAN 28-5 UNIT 50B	MESAVERDE	NewDrill - Single	S 28-028N-005W
SAN JUAN 28-5 UNIT 53B	MESAVERDE	NewDrill - Single	N 35-028N-005W
SAN JUAN 28-5 UNIT 61	MESAVERDE	Recompletion - Commingle with Dakota	N 18-028N-005W
SAN JUAN 28-5 UNIT 62	MESAVERDE	Recompletion - Commingle with Dakota	N 31-028N-005W
SAN JUAN 28-5 UNIT 85	MESAVERDE	Recompletion - Commingle with Dakota	S 08-028N-005W
SAN JUAN 28-5 UNIT 89E	MESAVERDE	Recompletion - Commingle with Dakota	S 09-028N-005W
SAN JUAN 28-5 UNIT 63E *	MANCOS	Recompletion - Commingle with Dakota	SE 20-028N-005W
SAN JUAN 28-5 UNIT 75 *	MANCOS	Recompletion - Commingle with Dakota	NE 17-028N-005W
SAN JUAN 28-5 UNIT 82 *	MANCOS	Recompletion - Commingle with Dakota	SW 22-028N-005W
SAN JUAN 28-5 UNIT 80M *	MESAVERDE	NewDrill - Commingle	N 26-028N-005W
SAN JUAN 28-5 UNIT 80M *	DAKOTA	NewDrill - Commingle	N 26-028N-005W
SAN JUAN 28-5 UNIT 81M *	MESAVERDE	NewDrill - Commingle	S 26-028N-005W
SAN JUAN 28-5 UNIT 81M *	DAKOTA	NewDrill - Commingle	S 26-028N-005W

\* Carried over from 1999 Plan of Development



The following is a well listing for wells in SAN JUAN 28-5 UNIT and the current status our system contains for the well.

WELL NAME	FORM	LEGAL DESC	REASON	FLAG
SAN JUAN 28-5 UNIT 101M	DAKOTA	W 013-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 101M	MESAVERDE	N 013-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 102E	DAKOTA	NSP 012-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 102E	MESAVERDE	S 012-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 103M	MESAVERDE	S 023-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 103M	DAKOTA	E 023-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 35M	MESAVERDE	S 019-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 35M	DAKOTA	S 019-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 41M	MESAVERDE	N 032-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 41M	DAKOTA	N 032-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 42	DAKOTA	S 031-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 42	MESAVERDE	S 031-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 42M	DAKOTA	S 031-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 42M	MESAVERDE	S 031-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 44	MESAVERDE	S 027-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 44	DAKOTA	S 027-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 45M	MESAVERDE	N 036-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 45M	DAKOTA	NSP 036-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 54E	DAKOTA	W 020-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 54E	GALLUP	NW 020-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 57M	MESAVERDE	N 019-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 57M	DAKOTA	N 019-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 58M	MESAVERDE	S 030-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 58M	DAKOTA	S 030-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 59M	MESAVERDE	N 030-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 59M	DAKOTA	N 030-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 60M	MESAVERDE	N 029-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 60M	DAKOTA	N 029-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 61	DAKOTA	N 018-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 61E	DAKOTA	N 018-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 61E	GALLUP	NW 018-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 62	DAKOTA	N 031-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 64M	MESAVERDE	N 028-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 64M	DAKOTA	N 028-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 65M	MESAVERDE	S 028-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 65M	DAKOTA	S 028-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 66M	MESAVERDE	S 029-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 66M	DAKOTA	S 029-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 68M	MESAVERDE	N 033-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 68M	DAKOTA	W 033-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 70M	DAKOTA	W 034-028N-005W	Active	Commingle

SAN JUAN 28-5 UNIT 70M	MESAVERDE	N 034-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 72M	MESAVERDE	N 035-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 72M	DAKOTA	NSP 035-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 73M	DAKOTA	NSP 035-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 73M	MESAVERDE	S 035-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 76	DAKOTA	N 021-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 76	MESAVERDE	N 021-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 77M	MESAVERDE	N 027-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 77M	DAKOTA	N 027-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 78	DAKOTA	W 025-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 78	MESAVERDE	S 025-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 78M	MESAVERDE	N 025-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 78M	DAKOTA	W 025-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 83M	DAKOTA	W 016-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 83M	MESAVERDE	N 016-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 84E	MESAVERDE	S 016-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 84E	DAKOTA	E 016-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 85	DAKOTA	NSP 008-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 86M	MESAVERDE	N 023-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT NP 86M	DAKOTA	W 023-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 88M	MESAVERDE	W 015-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 88M	DAKOTA	W 015-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 89E	DAKOTA	NSP 009-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 92M	MESAVERDE	N 024-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 92M	DAKOTA	W 024-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 93M	DAKOTA	E 015-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 93M	MESAVERDE	S 015-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 94	MESAVERDE	S 025-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 94	DAKOTA	NSP 025-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 97M	DAKOTA	E 014-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 97M	MESAVERDE	S 014-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 98M	MESAVERDE	S 013-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 98M	DAKOTA	NSP 013-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT NP 200	FRUITLAND COAL	N 014-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT NP 200	PICTURED CLIFFS	N 014-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT NP 211	FRUITLAND COAL	S 013-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT NP 211	PICTURED CLIFFS	S 013-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT NP 212	PICTURED CLIFFS	S 015-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT NP 212	FRUITLAND COAL	S 015-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT NP 227	FRUITLAND COAL	S 011-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT NP 227	PICTURED CLIFFS	S 011-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT NP 228	FRUITLAND COAL	N 024-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT NP 228	PICTURED CLIFFS	N 024-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT NP 229	FRUITLAND COAL	S 027-028N-005W	Active	Commingle

SAN JUAN 28-5 UNIT NP 229	PICTURED CLIFFS	S 027-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT NP 230	FRUITLAND COAL	N 025-028N-005W	Shut-in	Commingle
SAN JUAN 28-5 UNIT NP 230	PICTURED CLIFFS	N 025-028N-005W	Shut-in	Commingle
SAN JUAN 28-5 UNIT NP 232	FRUITLAND COAL	S 024-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT NP 232	PICTURED CLIFFS	S 024-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT NP 235	FRUITLAND COAL	S 028-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT NP 235	PICTURED CLIFFS	S 028-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT NP 236	FRUITLAND COAL	S 026-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT NP 236	PICTURED CLIFFS	S 026-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT NP 240	FRUITLAND COAL	N 032-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT NP 240	PICTURED CLIFFS	N 032-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT NP 242	FRUITLAND COAL	S 012-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT NP 242	PICTURED CLIFFS	S 012-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT NP 91E	DAKOTA	W 014-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT NP 91E	MESAVERDE	N 014-028N-005W	Active	Commingle
			<b>Commingle Count</b>	100
SAN JUAN 28-5 UNIT 29A	PICTURED CLIFFS	N 018-028N-005W	Active	Dual
SAN JUAN 28-5 UNIT 29A	MESAVERDE	N 018-028N-005W	Active	Dual
SAN JUAN 28-5 UNIT 33	MESAVERDE	S 017-028N-005W	Active	Dual
SAN JUAN 28-5 UNIT 33	DAKOTA	S 017-028N-005W	Shut-in	Dual
SAN JUAN 28-5 UNIT 34	MESAVERDE	S 018-028N-005W	Active	Dual
SAN JUAN 28-5 UNIT 34	DAKOTA	S 018-028N-005W	Active	Dual
SAN JUAN 28-5 UNIT 35	MESAVERDE	S 019-028N-005W	Active	Dual
SAN JUAN 28-5 UNIT 35	DAKOTA	S 019-028N-005W	Active	Dual
SAN JUAN 28-5 UNIT 38A	PICTURED CLIFFS	S 032-028N-005W	Active	Dual
SAN JUAN 28-5 UNIT 38A	MESAVERDE	S 032-028N-005W	Active	Dual
SAN JUAN 28-5 UNIT 41	MESAVERDE	N 032-028N-005W	Active	Dual
SAN JUAN 28-5 UNIT 41	DAKOTA	N 032-028N-005W	Active	Dual
SAN JUAN 28-5 UNIT 51A	PICTURED CLIFFS	N 031-028N-005W	Active	Dual
SAN JUAN 28-5 UNIT 51A	MESAVERDE	N 031-028N-005W	Active	Dual
SAN JUAN 28-5 UNIT 67M	MESAVERDE	S 021-028N-005W	Active	Dual
SAN JUAN 28-5 UNIT 67M	DAKOTA	S 021-028N-005W	Active	Dual
SAN JUAN 28-5 UNIT 76M	MESAVERDE	N 021-028N-005W	Active	Dual
SAN JUAN 28-5 UNIT 76M	DAKOTA	N 021-028N-005W	Active	Dual
SAN JUAN 28-5 UNIT 89	DAKOTA	NSP 009-028N-005W	Active	Dual
SAN JUAN 28-5 UNIT 89	MESAVERDE	S 009-028N-005W	Active	Dual
			<b>Dual Count</b>	20
SAN JUAN 28-5 UNIT 1	MESAVERDE	N 029-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 10	MESAVERDE	S 015-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 101	DAKOTA	W 013-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 102	DAKOTA	NSP 011-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 103	DAKOTA	E 023-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 107	MESAVERDE	S 012-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 11	MESAVERDE	S 033-028N-005W	Active	Single

SAN JUAN 28-5 UNIT 11A	MESAVERDE	S 033-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 12	MESAVERDE	S 007-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 12A	MESAVERDE	S 007-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 13	MESAVERDE	S 009-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 14	MESAVERDE	N 020-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 14A	MESAVERDE	N 020-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 15	MESAVERDE	S 034-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 15A	MESAVERDE	S 034-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 16	MESAVERDE	N 016-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 17	MESAVERDE	S 020-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 17A	MESAVERDE	S 020-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 18	MESAVERDE	S 011-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 18A	MESAVERDE	S 011-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 19	MESAVERDE	S 010-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 19A	MESAVERDE	S 010-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 2	MESAVERDE	S 014-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 20	MESAVERDE	S 030-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 202	FRUITLAND COAL	N 016-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 21	MESAVERDE	S 035-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 22	MESAVERDE	S 021-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 23	MESAVERDE	N 028-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 24	MESAVERDE	N 034-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 245	FRUITLAND COAL	N 022-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 25	MESAVERDE	S 013-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 26	MESAVERDE	N 014-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 27	MESAVERDE	N 015-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 28	MESAVERDE	N 017-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 28A	MESAVERDE	N 017-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 29	MESAVERDE	N 018-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 30	MESAVERDE	N 022-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 30A	MESAVERDE	N 022-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 31	MESAVERDE	N 013-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 32	MESAVERDE	N 030-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 33A	MESAVERDE	S 017-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 34A	MESAVERDE	S 018-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 34E	DAKOTA	S 018-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 36	MESAVERDE	N 026-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 37	MESAVERDE	S 024-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 38	MESAVERDE	S 032-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 39	MESAVERDE	N 024-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 4	MESAVERDE	N 019-028N-005W	P&A	Single
SAN JUAN 28-5 UNIT 40	MESAVERDE	N 027-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 43	MESAVERDE	S 025-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 44A	MESAVERDE	S 027-028N-005W	Active	Single

SAN JUAN 28-5 UNIT 45	DAKOTA	NSP 036-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 46	MESAVERDE	N 025-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 47	MESAVERDE	N 036-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 48	MESAVERDE	S 022-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 48A	MESAVERDE	S 022-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 49	MESAVERDE	N 023-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 4R	MESAVERDE	N 019-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 50	MESAVERDE	S 028-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 51	MESAVERDE	N 031-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 52	MESAVERDE	N 033-028N-005W	P&A	Single
SAN JUAN 28-5 UNIT 52R	MESAVERDE	N 033-028N-005W	Shut-in	Single
SAN JUAN 28-5 UNIT 53	MESAVERDE	N 035-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 54	DAKOTA	W 020-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 55	MESAVERDE	S 023-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 56	DAKOTA	S 032-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 57	DAKOTA	N 019-028N-005W	P&A	Single
SAN JUAN 28-5 UNIT 58	DAKOTA	S 030-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 59	DAKOTA	N 030-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 6	MESAVERDE	S 016-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 60	DAKOTA	N 029-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 63	DAKOTA	E 020-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 63E	DAKOTA	E 020-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 64	DAKOTA	N 028-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 65	DAKOTA	S 028-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 66	DAKOTA	S 029-030N-005W	Active	Single
SAN JUAN 28-5 UNIT 67	DAKOTA	S 021-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 68	DAKOTA	W 033-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 69	DAKOTA	E 033-028N-005W	P&A	Single
SAN JUAN 28-5 UNIT 7	MESAVERDE	S 008-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 70	DAKOTA	W 034-028N-005W	Shut-in	Single
SAN JUAN 28-5 UNIT 71	DAKOTA	NSP 034-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 72	DAKOTA	NSP 034-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 73	DAKOTA	NSP 035-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 74	DAKOTA	NSP 036-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 75	DAKOTA	N 017-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 77	DAKOTA	N 027-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 79	DAKOTA	NSP 007-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 79E	DAKOTA	NSP 007-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 7A	MESAVERDE	S 008-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 8	MESAVERDE	N 021-028N-005W	P&A	Single
SAN JUAN 28-5 UNIT 8	FRUITLAND COAL	N 021-028N-005W	P&A	Single
SAN JUAN 28-5 UNIT 80	DAKOTA	N 026-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 81	DAKOTA	S 026-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 82	DAKOTA	W 022-028N-005W	Active	Single

SAN JUAN 28-5 UNIT 83	DAKOTA	W 016-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 84	DAKOTA	E 016-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 85E	DAKOTA	NSP 008-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 87	DAKOTA	E 022-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 88	DAKOTA	W 015-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 9	MESAVERDE	S 029-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 91	DAKOTA	W 014-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 92	DAKOTA	W 024-028N-005W	P&A	Single
SAN JUAN 28-5 UNIT 93	DAKOTA	E 015-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 95	PICTURED CLIFFS	S 031-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 96	DAKOTA	NSP 010-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 96E	DAKOTA	NSP 011-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 97	DAKOTA	E 014-028N-005W	P&A	Single
SAN JUAN 28-5 UNIT 98	DAKOTA	NSP 013-028N-005W	P&A	Single
SAN JUAN 28-5 UNIT NP 201	FRUITLAND COAL	N 015-028N-005W	Active	Single
SAN JUAN 28-5 UNIT NP 203	FRUITLAND COAL	N 017-028N-005W	P&A	Single
SAN JUAN 28-5 UNIT NP 204	FRUITLAND COAL	N 018-028N-005W	Active	Single
SAN JUAN 28-5 UNIT NP 219	FRUITLAND COAL	N 030-028N-005W	Active	Single
SAN JUAN 28-5 UNIT NP 223	FRUITLAND COAL	S 034-028N-005W	Active	Single
SAN JUAN 28-5 UNIT NP 3	MESAVERDE	S 026-028N-005W	Active	Single
SAN JUAN 28-5 UNIT NP 86	DAKOTA	W 023-028N-005W	Active	Single

Single Count 116

Grand Count 236

The working interest owners are being furnished a copy of this letter. Burlington, as Unit Operator, will drill any offset wells required to prevent drainage of unitized substances and any other wells deemed necessary by the working interest owners or Unit Operator.

In accordance to Section 10 of the Unit Agreement, please provide your approvals by executing and returning a copy of this letter to the undersigned.

Please contact me at (505) 599-4010 if there are any questions regarding this letter.

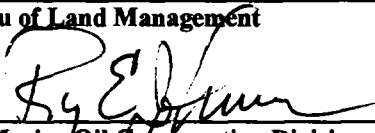
Yours very truly,



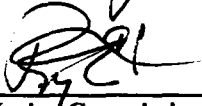
Shannon Nichols  
Petroleum Landman

**SAN JUAN 28-5 UNIT  
2000 PLAN OF DEVELOPMENT**

\_\_\_\_\_  
**Bureau of Land Management**



\_\_\_\_\_  
**New Mexico Oil Conservation Division**



\_\_\_\_\_  
**New Mexico Commissioner of Public Lands**

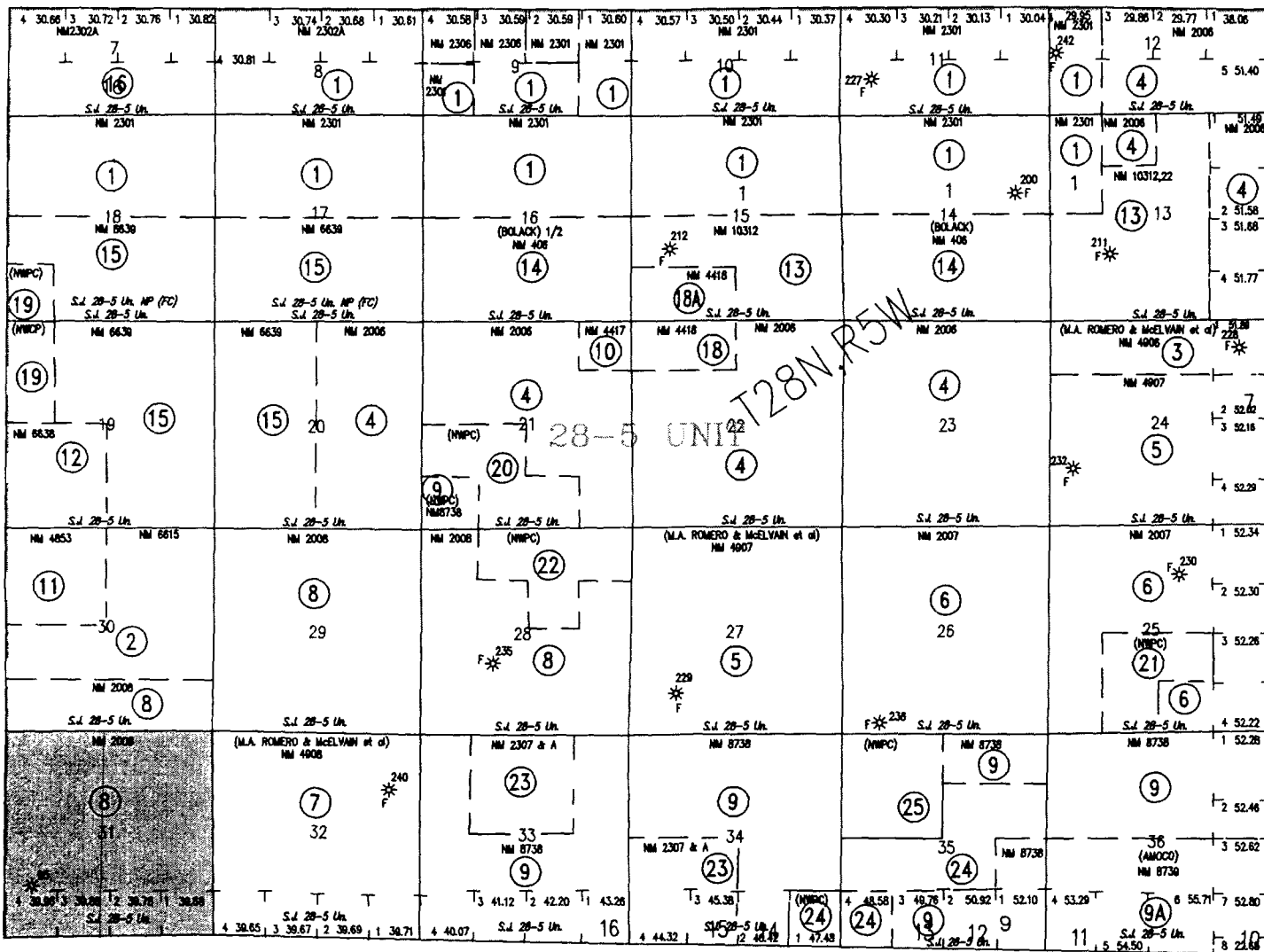
\_\_\_\_\_  
**Date**

2/11/00

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**Date**

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**Date**

# R5W



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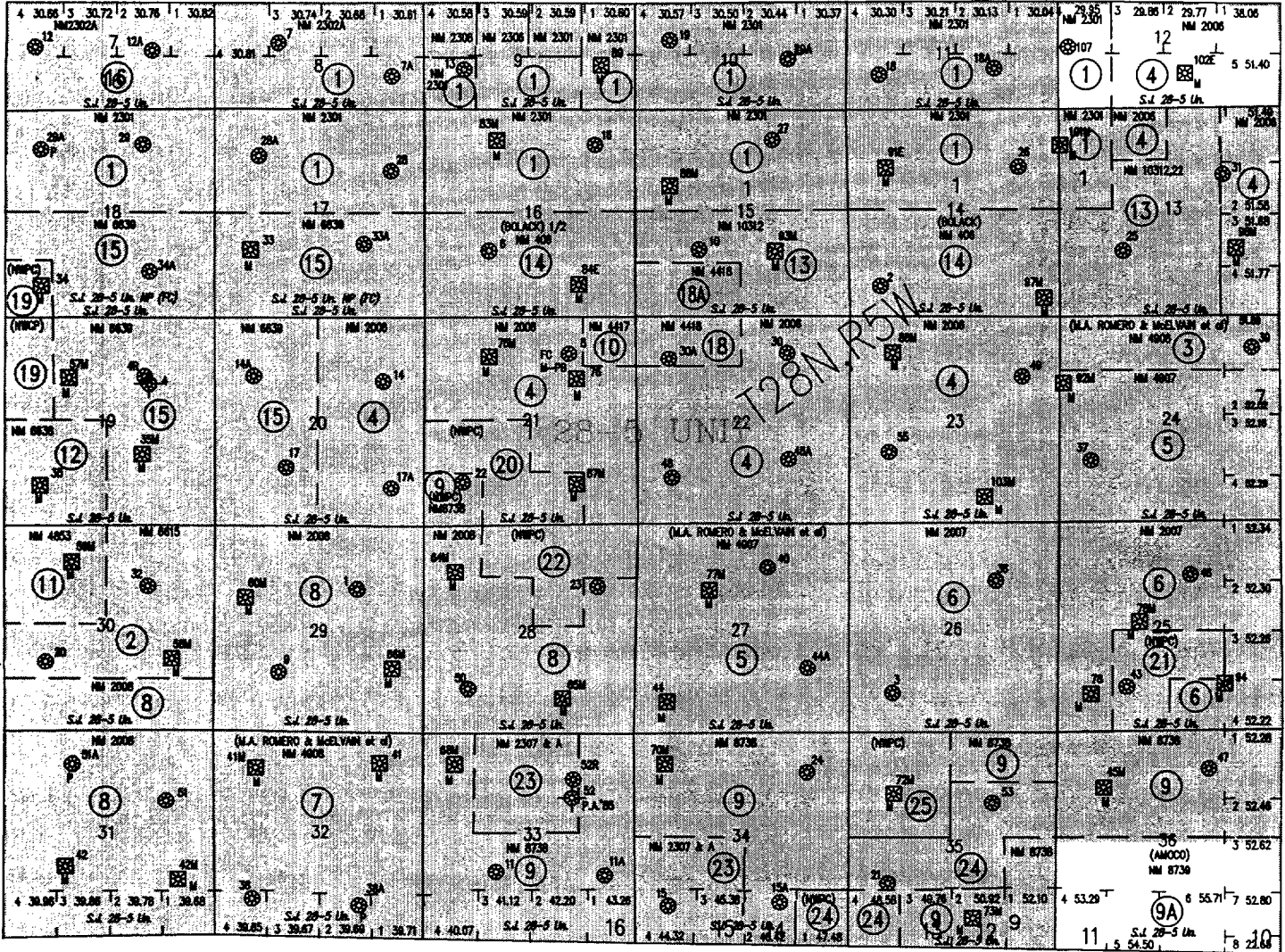
## SAN JUAN 28-5 UNIT

- FRUITLAND
- PICTURED CLIFFS
- MESAVERDE
- DAKOTA
- PICTURED CLIFFS PARTICIPATING AREA  
1st Expansion Effective 5/1/81
- OIL AND GAS OWNED BY  
STATE OF NEW MEXICO

LAND DEPARTMENT  
Jan 24, 2000



R5W



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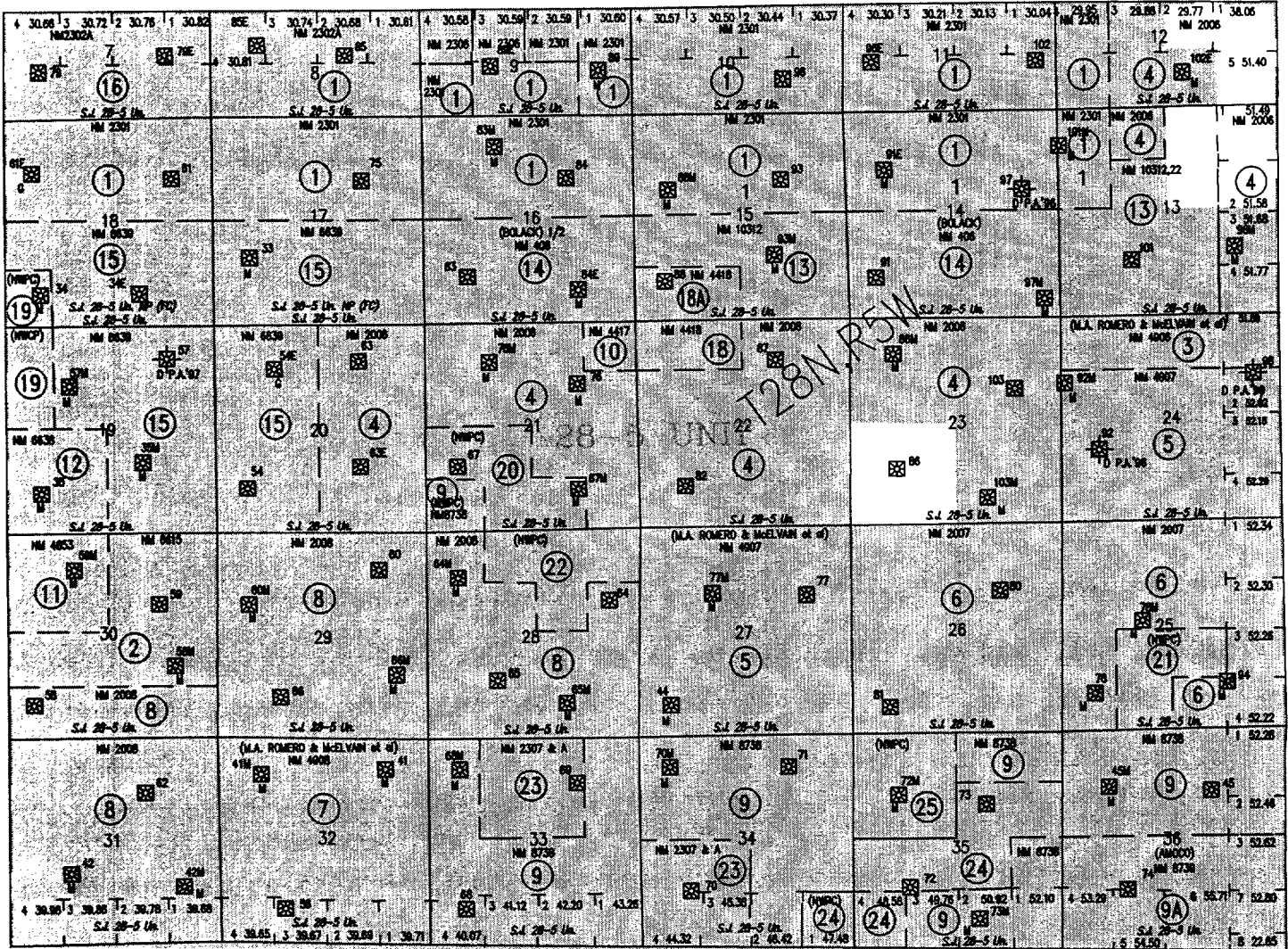
# SAN JUAN 28-5 UNIT

- FRUITLAND
- PICTURED CLIFFS
- MESAVERDE
- DAKOTA
- MESAVERDE PARTICIPATING AREA  
27th Expansion Effective 8/1/95
- OIL AND GAS OWNED BY  
STATE OF NEW MEXICO

LAND DEPARTMENT  
Jan 24, 2000

# ILLEGIBLE

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# SAN JUAN 28-5 UNIT

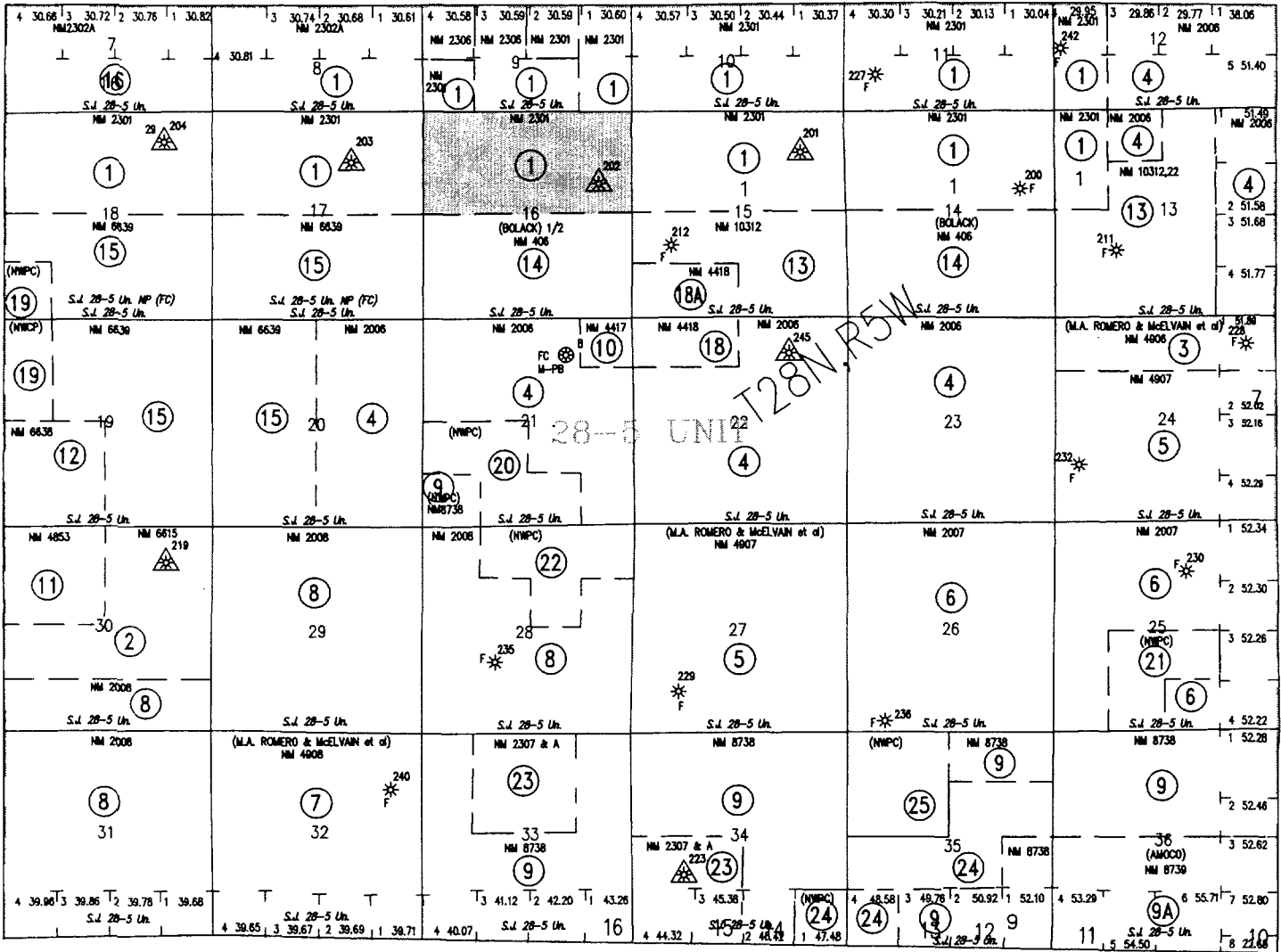
- FRUITLAND
- PICTURED CLIFFS
- MESAVERDE
- DAKOTA
- DAKOTA PARTICIPATING AREA  
20th Expansion Effective 11/1/79
- OIL AND GAS OWNED BY  
STATE OF NEW MEXICO

*BURLINGTON  
RESOURCES*

LAND DEPARTMENT  
Jan 24, 2000







# ILLEGIBLE

# R5W

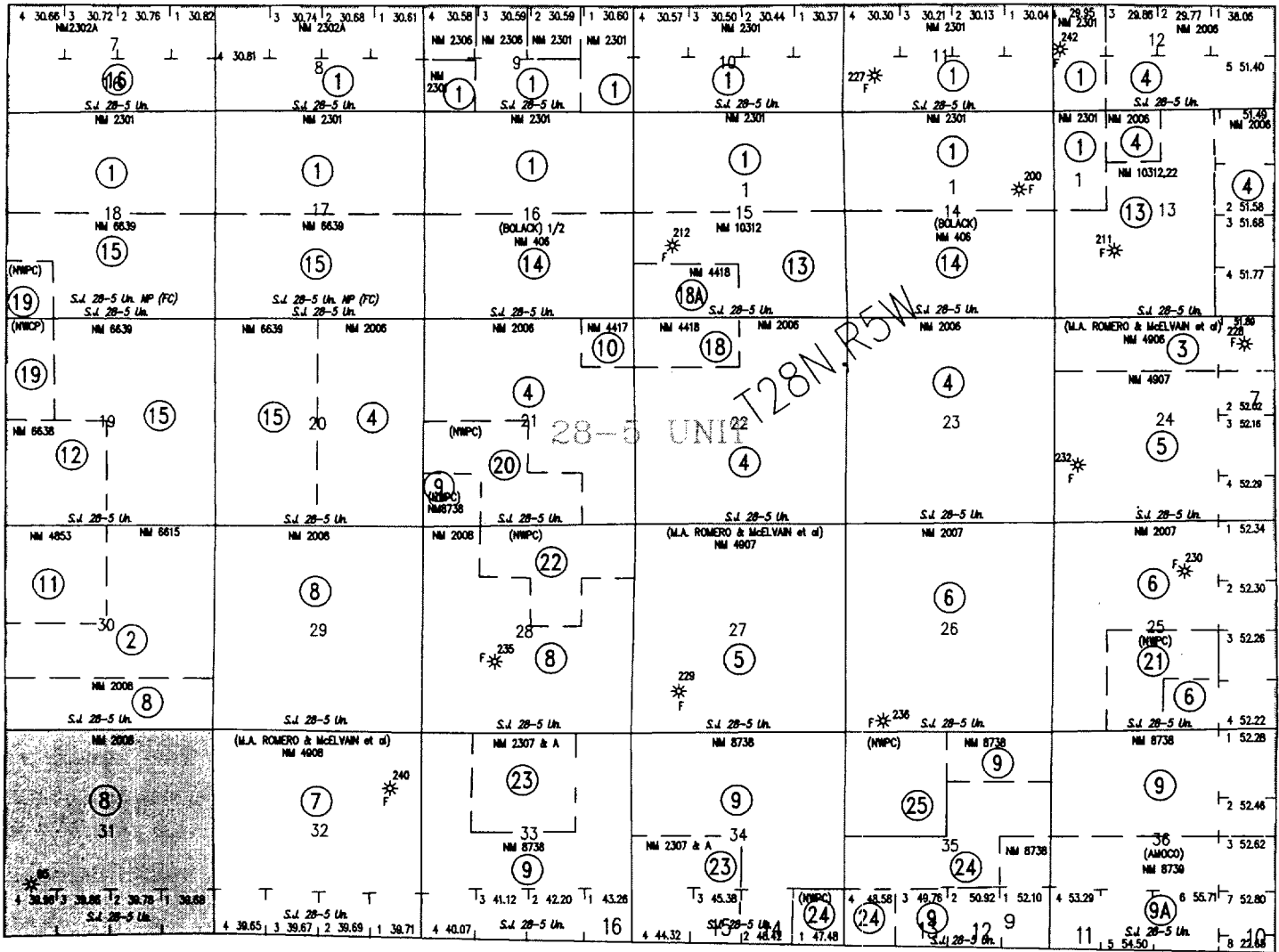


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## SAN JUAN 28-5 UNIT

-  FRUITLAND
-  PICTURED CLIFFS
-  MESAVERDE
-  DAKOTA
-  FRUITLAND COAL PARTICIPATING AREA  
Initial Expansion Effective 10/14/89
-  OIL AND GAS OWNED BY  
STATE OF NEW MEXICO

# R5W



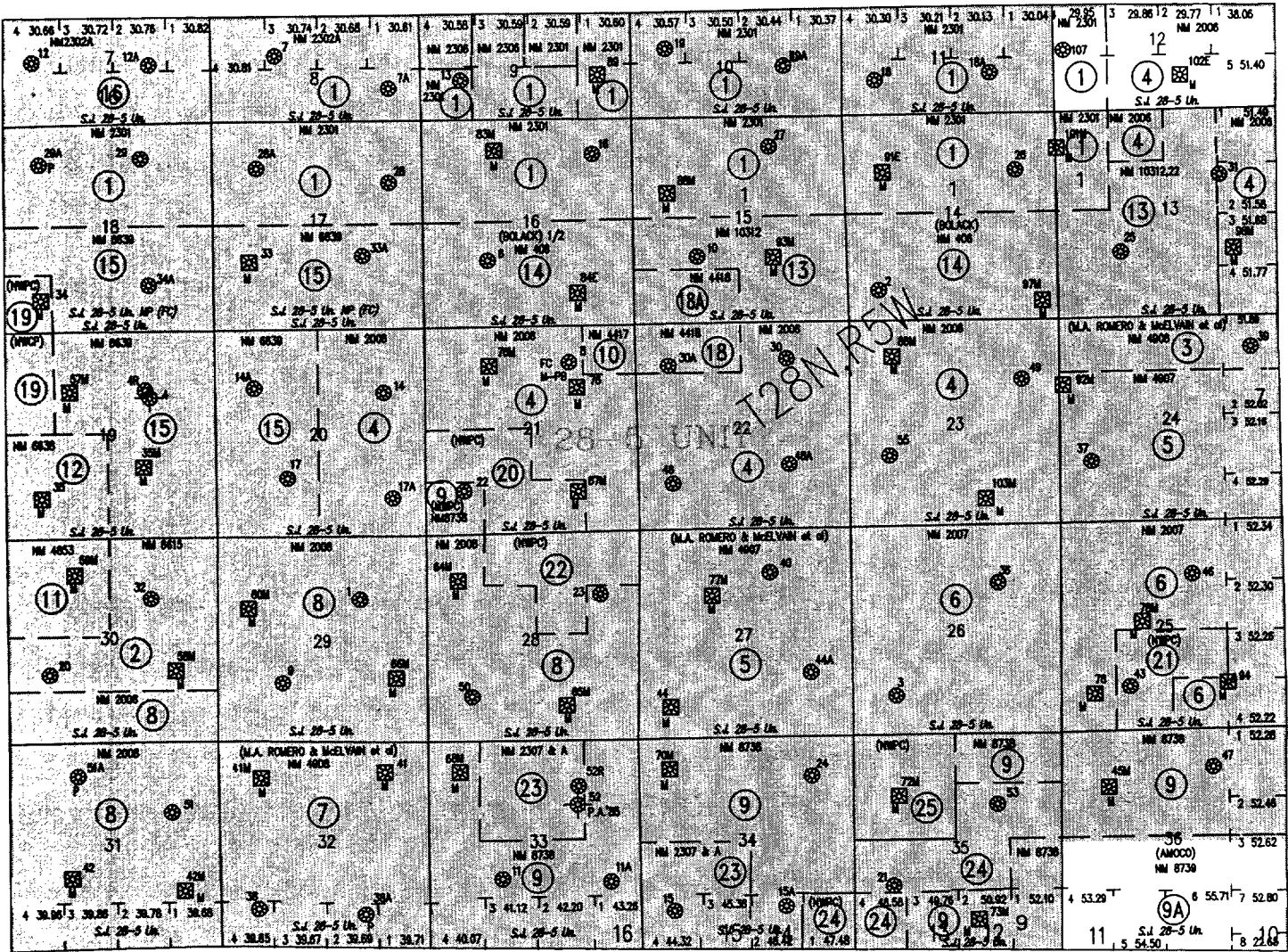
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## SAN JUAN 28-5 UNIT

- △ FRUITLAND
- \* PICTURED CLIFFS
- ⊙ MESAVERDE
- ▣ DAKOTA
- ▨ PICTURED CLIFFS PARTICIPATING AREA  
1st Expansion Effective 5/1/81
- ▧ OIL AND GAS OWNED BY  
STATE OF NEW MEXICO

LAND DEPARTMENT  
Jan 24, 2000

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## SAN JUAN 28-5 UNIT

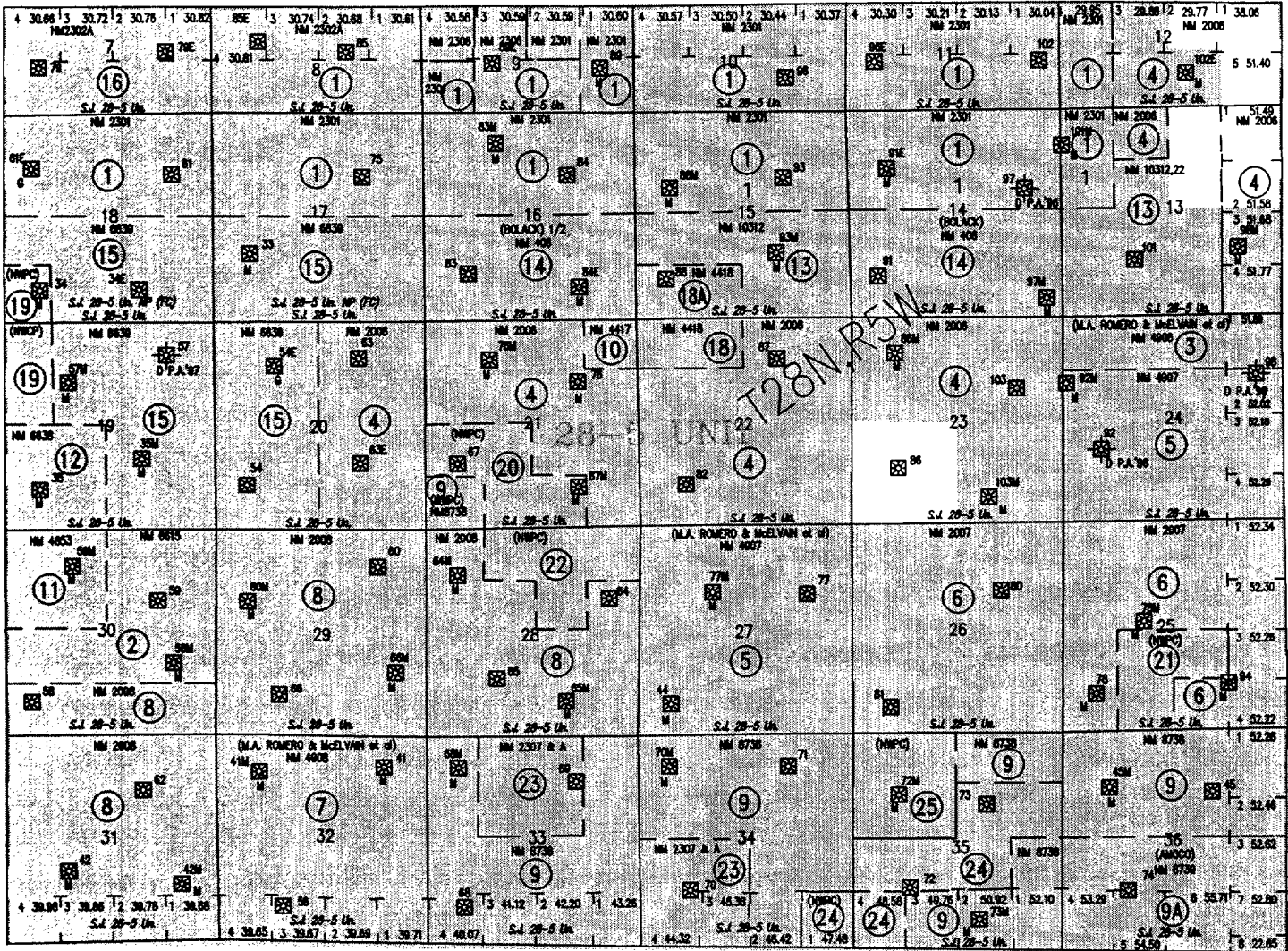
- FRUITLAND
- PICTURED CLIFFS
- MESAVERDE
- DAKOTA
- MESAVERDE PARTICIPATING AREA  
27th Expansion Effective 8/1/95
- OIL AND GAS OWNED BY  
STATE OF NEW MEXICO

LAND DEPARTMENT  
Jan 24, 2000

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### SAN JUAN 28-5 UNIT

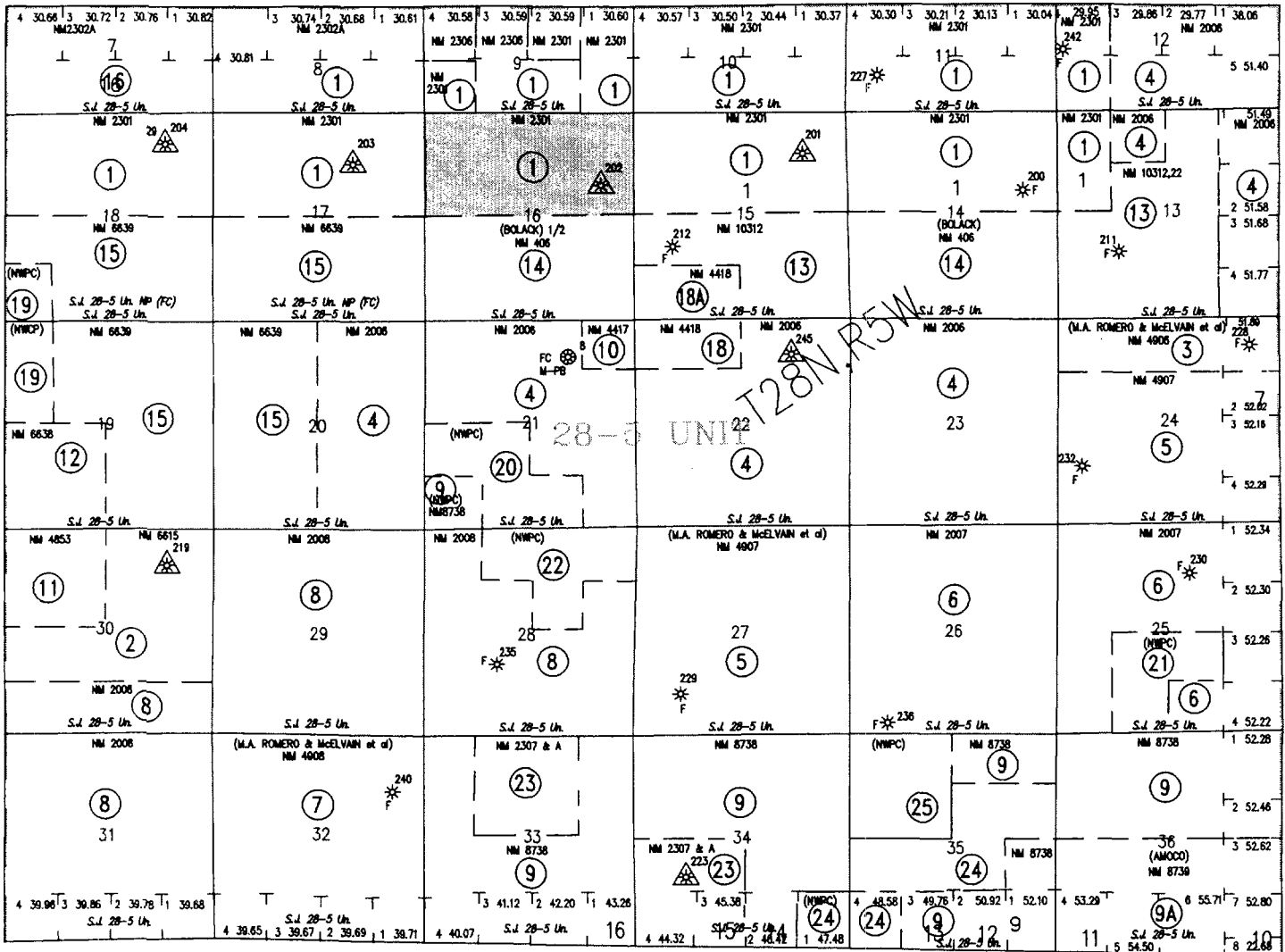
- FRUITLAND
- PICTURED CLIFFS
- MESAVERDE
- DAKOTA
- DAKOTA PARTICIPATING AREA  
20th Expansion Effective 11/1/79
- OIL AND GAS OWNED BY  
STATE OF NEW MEXICO

*BURLINGTON  
RESOURCES*

LAND DEPARTMENT  
Jan 24, 2000

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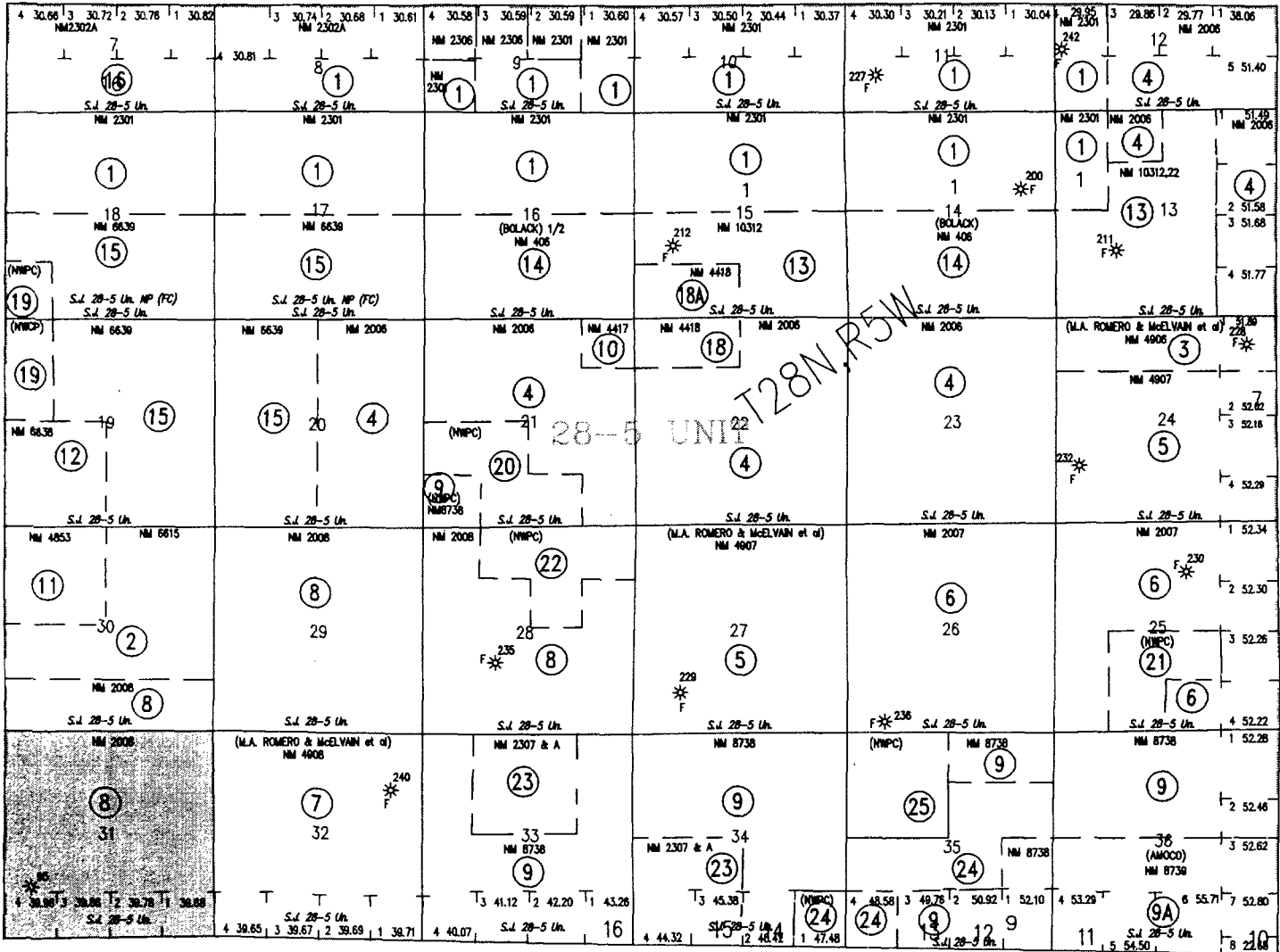
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## SAN JUAN 28-5 UNIT

- FRUITLAND
- PICTURED CLIFFS
- MESAVERDE
- DAKOTA
- FRUITLAND COAL PARTICIPATING AREA  
Initial Expansion Effective 10/14/89
- OIL AND GAS OWNED BY  
STATE OF NEW MEXICO

LAND DEPARTMENT  
Jan 24, 2000

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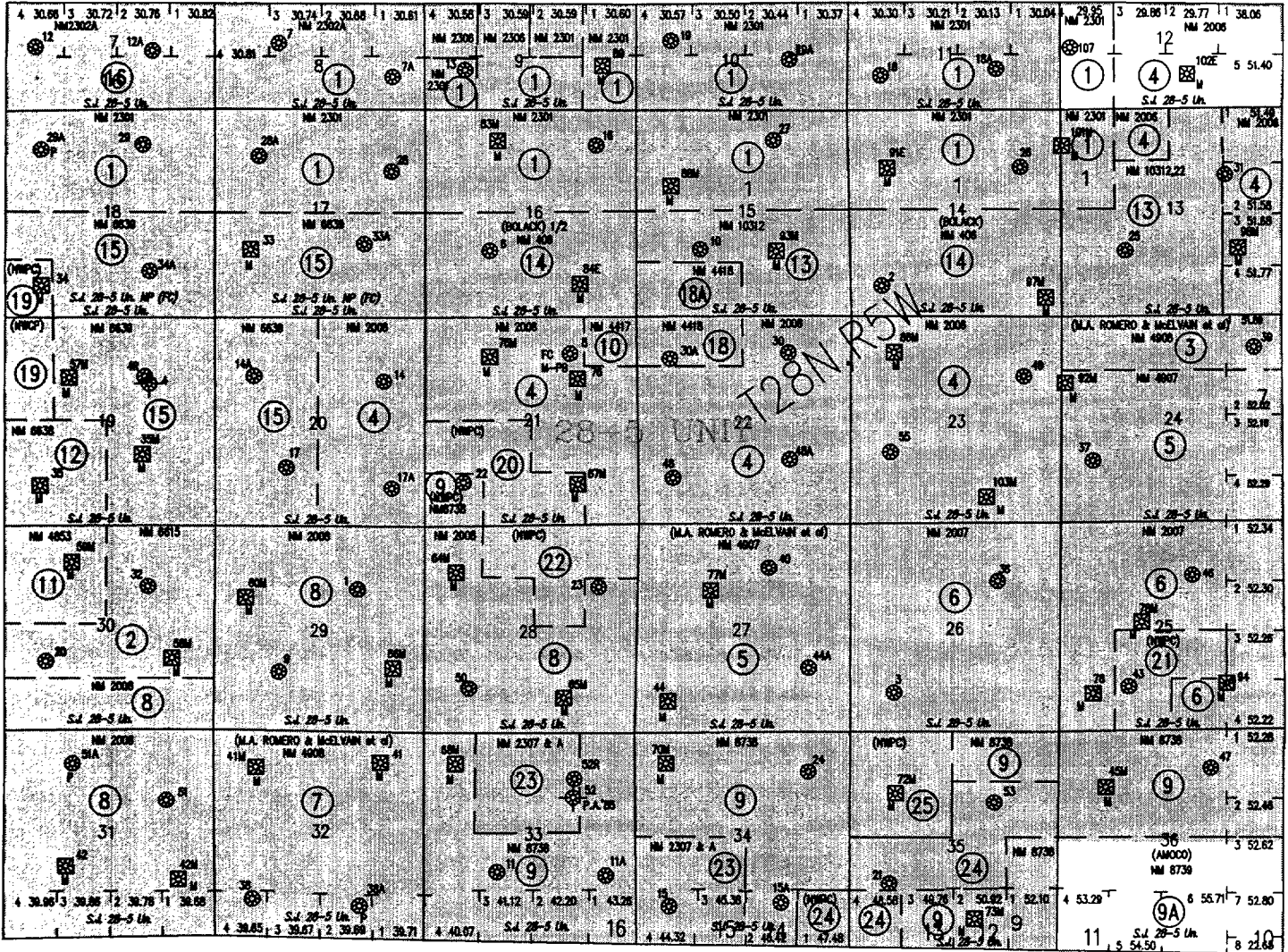
## SAN JUAN 28-5 UNIT

- FRUITLAND
- PICTURED CLIFFS
- MESAVERDE
- DAKOTA
- PICTURED CLIFFS PARTICIPATING AREA  
1st Expansion Effective 5/1/81
- OIL AND GAS OWNED BY  
STATE OF NEW MEXICO

LAND DEPARTMENT  
Jan 24, 2000



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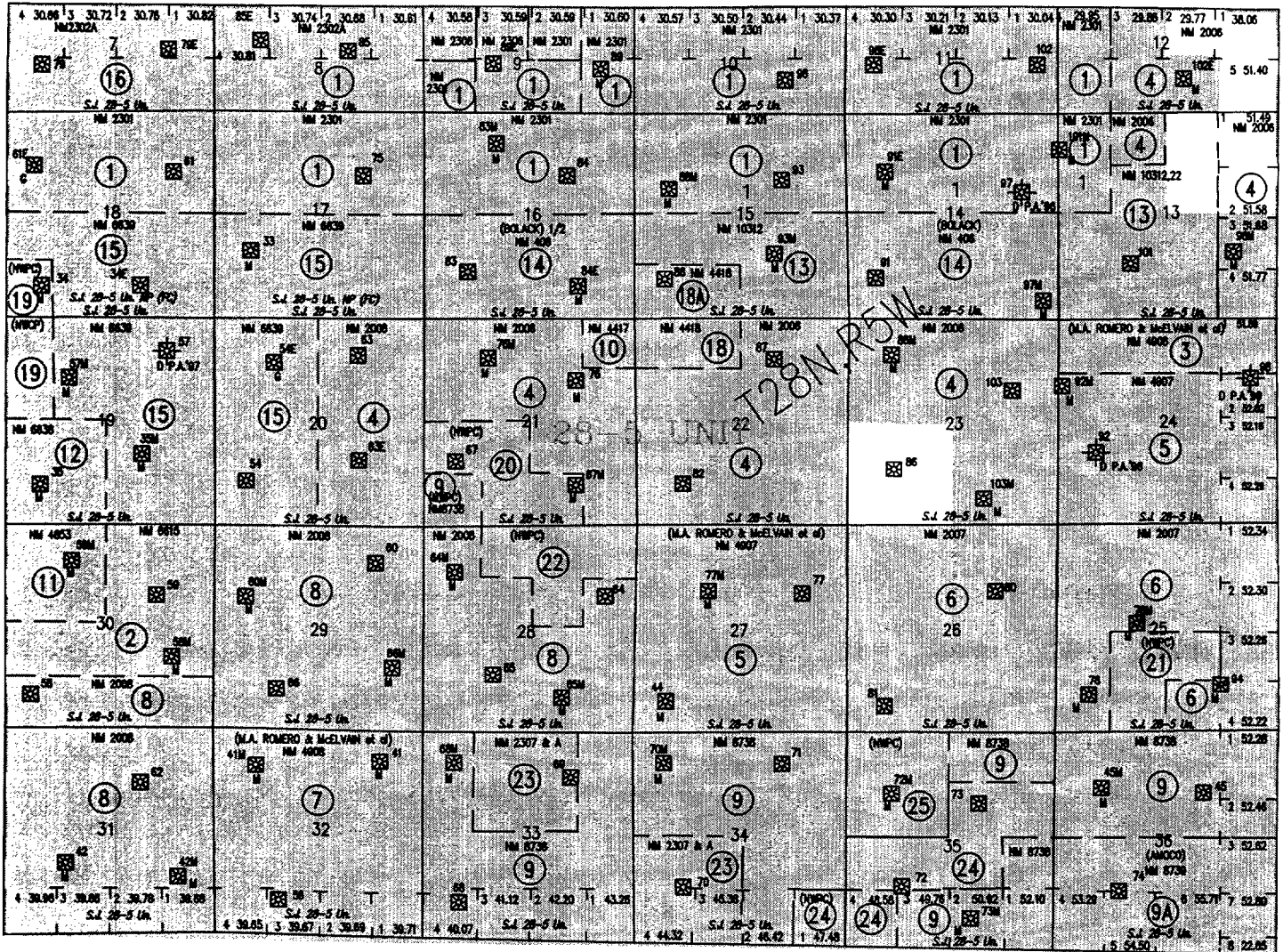
## SAN JUAN 28-5 UNIT

- FRUITLAND
- PICTURED CLIFFS
- MESAVERDE
- DAKOTA
- MESAVERDE PARTICIPATING AREA
- 27th Expansion Effective 8/1/95
- OIL AND GAS OWNED BY STATE OF NEW MEXICO

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LAND DEPARTMENT  
Jan 24, 2000

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## SAN JUAN 28-5 UNIT

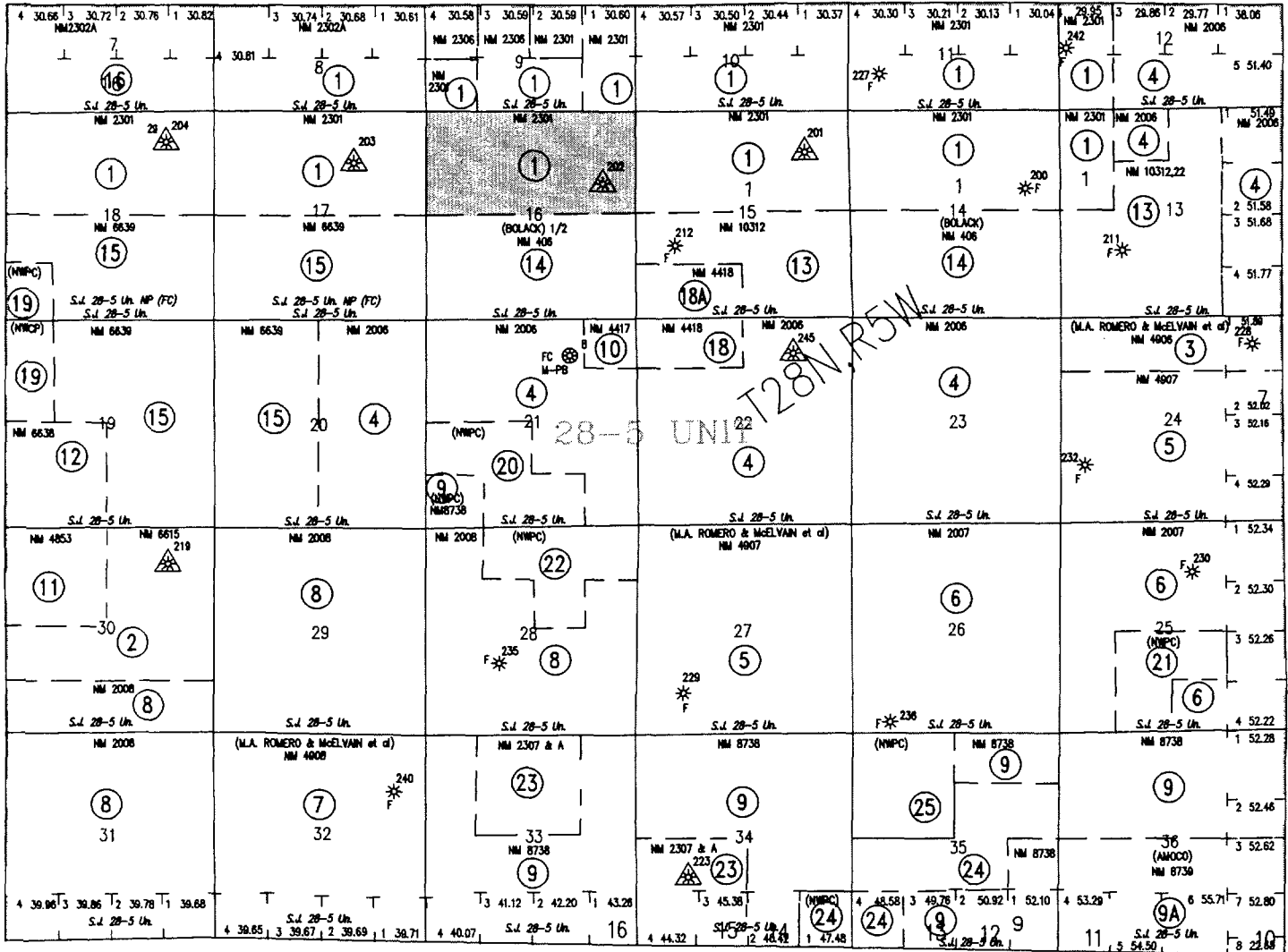
- FRUITLAND
- PICTURED CLIFFS
- MESAVERDE
- DAKOTA
- DAKOTA PARTICIPATING AREA  
20th Expansion Effective 11/1/79
- OIL AND GAS OWNED BY  
STATE OF NEW MEXICO

*BURLINGTON  
RESOURCES*

LAND DEPARTMENT  
Jan 24, 2000







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## SAN JUAN 28-5 UNIT

-  FRUITLAND
-  PICTURED CLIFFS
-  MESA VERDE
-  DAKOTA
-  FRUITLAND COAL PARTICIPATING AREA  
Initial Expansion Effective 10/14/89
-  OIL AND GAS OWNED BY  
STATE OF NEW MEXICO

LAND DEPARTMENT  
Jan 24, 2000

# BURLINGTON RESOURCES

SAN JUAN DIVISION

July 13, 1999

Bureau of Land Management  
Farmington Resource Area  
1235 La Plata Highway  
Farmington, NM 87401

Commissioner of Public Lands  
State of New Mexico  
P. O. Box 1148  
Santa Fe, NM 87501-1148

Oil Conservation Division  
State of New Mexico  
2040 S. Pacheco  
Santa Fe, NM 87505

**RE: San Juan 28-5 Unit, #14-08-001-949  
First Amendment – 1999 Plan of Development  
RIO ARRIBA COUNTY, NEW MEXICO**

Ladies and Gentlemen:

By letter dated March 1, 1999, you were provided the original 1999 Plan of Development. It has subsequently been determined the following wells should be included:

WELL NAME	FORMATION	TYPE	DEDICATION
SAN JUAN 28-5 UNIT 63E	Gallup	Recompletion-commingle with Dakota	SE 20-28N-5W
SAN JUAN 28-5 UNIT 75	Gallup	Recompletion-commingle with Dakota	NE 17-28N-5W
SAN JUAN 28-5 UNIT 82	Gallup	Recompletion-commingle with Dakota	SW 22-28N-5W

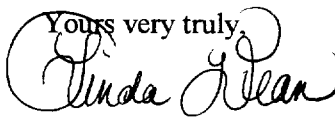
All of the Gallup wells are located on drillblocks – not within a Participating Area.

The working interest owners have been contacted regarding the additional wells and are being furnished a copy of this letter.

Burlington Resources Oil & Gas Company, as Unit Operator, plans to drill any offset wells required to prevent drainage of unitized substances and any other wells deemed necessary or desirable by the Unit Operator and the working interest owners.

In accordance to Section 10 of the Unit Agreement, please provide your approvals by executing and returning a copy of this letter to the undersigned.

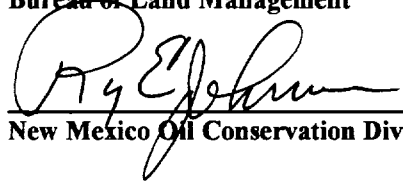
Please contact me at (505) 326-9760 if there are any questions regarding this letter.

Yours very truly  
  
Linda Dean  
Senior Staff Landman

LD/slc  
SJ 28-5, 3.0

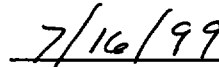
**SAN JUAN 28-5 UNIT**  
**First Amendment - 1999 PLAN OF DEVELOPMENT**

\_\_\_\_\_  
**Bureau of Land Management**



\_\_\_\_\_  
**New Mexico Oil Conservation Division**

\_\_\_\_\_  
**Date**



\_\_\_\_\_  
**Date**

\_\_\_\_\_  
**New Mexico Commissioner of Public Lands**

\_\_\_\_\_  
**Date**

# BURLINGTON RESOURCES

SAN JUAN DIVISION

February 27, 1998

Bureau of Land Management  
Farmington Resource Area  
1235 La Plata Highway  
Farmington, NM 87401

Commissioner of Public Lands  
State of New Mexico  
P. O. Box 1148  
Santa Fe, NM 87501-1148

Oil Conservation Division  
State of New Mexico  
2040 S. Pacheco  
Santa Fe, NM 87505

MAR - 2 1998

**RE: 1998 Plan of Development  
SAN JUAN 28-4 UNIT 14-08-001-933  
RIO ARRIBA COUNTY, NEW MEXICO**

Ladies and Gentlemen:

The following Participating Areas currently exist in the SAN JUAN 28-4 UNIT:

FORMATION	EXPANSION	EFFECTIVE DATE
PICTURED CLIFFS	001	12-01-1955
DAKOTA	007	12-01-1973
MESAVERDE	012	11-01-1961

The 1997 Plan of Development (or amendments thereto) provided for the following activity:

NONE

Copies of Participating Area maps are attached for each formation. The circled numbers correspond to the Unit Exhibit "B" ownership schedule.

Pursuant to Section 10 of the SAN JUAN 28-4 UNIT Agreement, Burlington Resources Oil & Gas Company, as Unit Operator, hereby submits the 1998 Plan of Development as follows:

WELL NAME	FORMATION	TYPE	DEDICATION
SAN JUAN 28-4 UNIT 29M	MESAVERDE	NewDrill - Commingle	N/2 31-028N-004W
SAN JUAN 28-4 UNIT 29M	DAKOTA	NewDrill - Commingle	W/2 31-028N-004W
SAN JUAN 28-4 UNIT 30M	MESAVERDE	NewDrill - Commingle	S/2 31-028N-004W
SAN JUAN 28-4 UNIT 30M	DAKOTA	NewDrill - Commingle	E/2 31-028N-004W
SAN JUAN 28-4 UNIT 31M	MESAVERDE	NewDrill - Commingle	N/2 32-028N-004W

WELL NAME	FORMATION	TYPE	DEDICATION
SAN JUAN 28-4 UNIT 31M	DAKOTA	NewDrill - Commingle	W/2 32-028N-004W
SAN JUAN 28-4 UNIT 32M	MESAVERDE	NewDrill - Commingle	S/2 32-028N-004W
SAN JUAN 28-4 UNIT 32M	DAKOTA	NewDrill - Commingle	E/2 32-028N-004W
SAN JUAN 28-4 UNIT 35M	MESAVERDE	NewDrill - Commingle	S/2 33-028N-004W
SAN JUAN 28-4 UNIT 35M	DAKOTA	NewDrill - Commingle	E/2 33-028N-004W
SAN JUAN 28-4 UNIT 36	MESAVERDE	Recompletion	S/2 29-028N-004W

The following is a well listing for wells in SAN JUAN 28-4 UNIT and the current status our system contains for the well.

WELL NAME	FORM	LEGAL DESC	REASON	FLAG
SAN JUAN 28-4 UNIT 17R	PICTURED CLIFFS	H 20-028N-004W	Shut-in	Commingle
SAN JUAN 28-4 UNIT 17R	FRUITLAND COAL	H 20-028N-004W	Shut-in	Commingle
SAN JUAN 28-4 UNIT 201	PICTURED CLIFFS	A 18-028N-004W	Active	Commingle
SAN JUAN 28-4 UNIT 201	FRUITLAND COAL	A 18-028N-004W	Active	Commingle
SAN JUAN 28-4 UNIT NP 225	FRUITLAND COAL	N 07-028N-004W	Active	Commingle
SAN JUAN 28-4 UNIT NP 225	PICTURED CLIFFS	N 07-028N-004W	Active	Commingle
SAN JUAN 28-4 UNIT NP 226	FRUITLAND COAL	K 17-028N-004W	Active	Commingle
SAN JUAN 28-4 UNIT NP 226	PICTURED CLIFFS	K 17-028N-004W	Active	Commingle
			<b>Commingle Count</b>	<b>8</b>
SAN JUAN 28-4 UNIT 1	MESAVERDE	A 18-028N-004W	Active	Single
SAN JUAN 28-4 UNIT 2	MESAVERDE	K 17-028N-004W	Active	Single
SAN JUAN 28-4 UNIT 3	PICTURED CLIFFS	L 14-028N-004W	P&A	Single
SAN JUAN 28-4 UNIT 4	MESAVERDE	M 26-028N-004W	P&A	Single
SAN JUAN 28-4 UNIT 5	MESAVERDE	H 32-028N-004W	Active	Single
SAN JUAN 28-4 UNIT 6	PICTURED CLIFFS	P 11-028N-004W	P&A	Single
SAN JUAN 28-4 UNIT 7	PICTURED CLIFFS	P 12-028N-004W	P&A	Single
SAN JUAN 28-4 UNIT 8	MESAVERDE	N 36-028N-004W	Active	Single
SAN JUAN 28-4 UNIT 9	MESAVERDE	N 32-028N-004W	Active	Single
SAN JUAN 28-4 UNIT 11	MESAVERDE	G 31-028N-004W	Active	Single
SAN JUAN 28-4 UNIT 12	MESAVERDE	K 33-028N-004W	Active	Single
SAN JUAN 28-4 UNIT 13	MESAVERDE	N 20-028N-004W	Active	Single
SAN JUAN 28-4 UNIT 14	MESAVERDE	H 29-028N-004W	Active	Single
SAN JUAN 28-4 UNIT 15	MESAVERDE	M 29-028N-004W	P&A	Single
SAN JUAN 28-4 UNIT 16	MESAVERDE	H 30-028N-004W	P&A	Single
SAN JUAN 28-4 UNIT 17	MESAVERDE	A 20-028N-004W	P&A	Single
SAN JUAN 28-4 UNIT 18	MESAVERDE	M 31-028N-004W	Active	Single
SAN JUAN 28-4 UNIT 20	MESAVERDE	M 30-028N-004W	Active	Single
SAN JUAN 28-4 UNIT 21	MESAVERDE	N 07-028N-004W	Active	Single
SAN JUAN 28-4 UNIT 24	DAKOTA	N 26-028N-004W	P&A	Single
SAN JUAN 28-4 UNIT 26	MESAVERDE	L 18-028N-004W	Active	Single
SAN JUAN 28-4 UNIT 27	MESAVERDE	N 19-028N-004W	Active	Single
SAN JUAN 28-4 UNIT 28	MESAVERDE	H 19-028N-004W	Active	Single

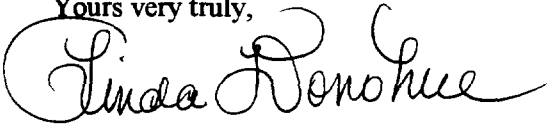
SAN JUAN 28-4 UNIT	29	DAKOTA	M 31-028N-004W	Active	Single
SAN JUAN 28-4 UNIT	30	DAKOTA	G 31-028N-004W	Active	Single
SAN JUAN 28-4 UNIT	31	DAKOTA	M 32-028N-004W	Active	Single
SAN JUAN 28-4 UNIT	32	DAKOTA	H 32-028N-004W	Active	Single
SAN JUAN 28-4 UNIT	33	DAKOTA	M 33-028N-004W	Active	Single
SAN JUAN 28-4 UNIT	34	DAKOTA	M 30-028N-004W	Active	Single
SAN JUAN 28-4 UNIT	35	DAKOTA	G 33-028N-004W	P&A	Single
SAN JUAN 28-4 UNIT	36	DAKOTA	N 29-028N-004W	Active	Single
SAN JUAN 28-4 UNIT	37	DAKOTA	H 29-028N-004W	Active	Single
SAN JUAN 28-4 UNIT NP	17	FRUITLAND COAL	A 20-028N-004W	P&A	Single
SAN JUAN 28-4 UNIT NP	202	FRUITLAND COAL	L 18-028N-004W	Active	Single

Single Count 34  
Grand Count 42

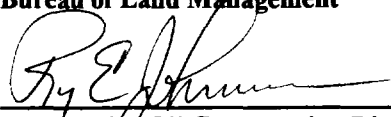
The working interest owners are being furnished a copy of this letter. Burlington, as Unit Operator, will drill any offset wells required to prevent drainage of unitized substances and any other wells deemed necessary by the working interest owners or Unit Operator.

In accordance to Section 10 of the Unit Agreement, please provide your approvals by executing and returning a copy of this letter to the undersigned.

Please contact me at (505) 326-9760 if there are any questions regarding this letter.

Yours very truly,  
  
Linda Donohue  
Senior Staff Landman

**SAN JUAN 28-4 UNIT  
1998 PLAN OF DEVELOPMENT**

\_\_\_\_\_  
Bureau of Land Management  
  
\_\_\_\_\_  
New Mexico Oil Conservation Division

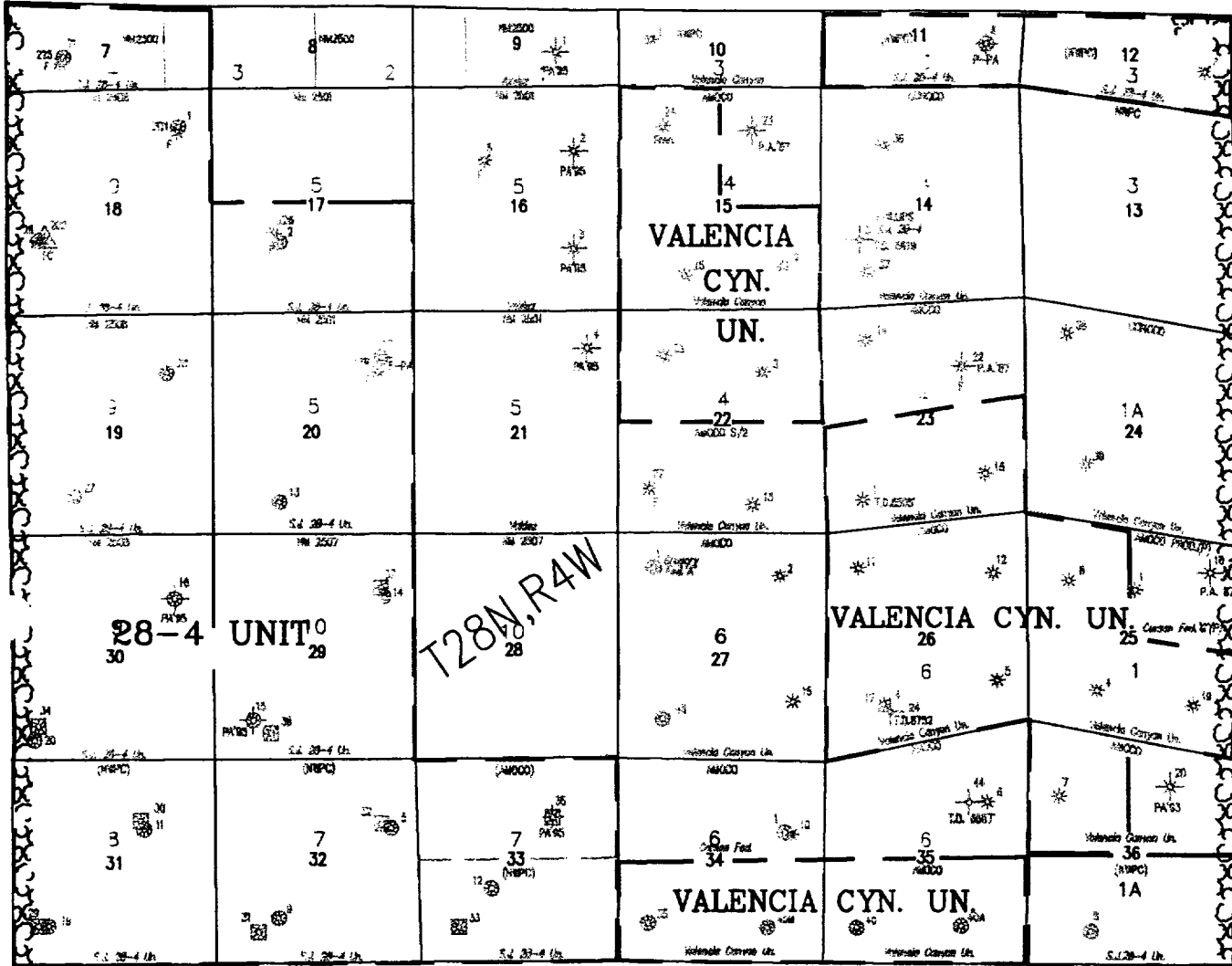
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New Mexico Commissioner of Public Lands

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Date



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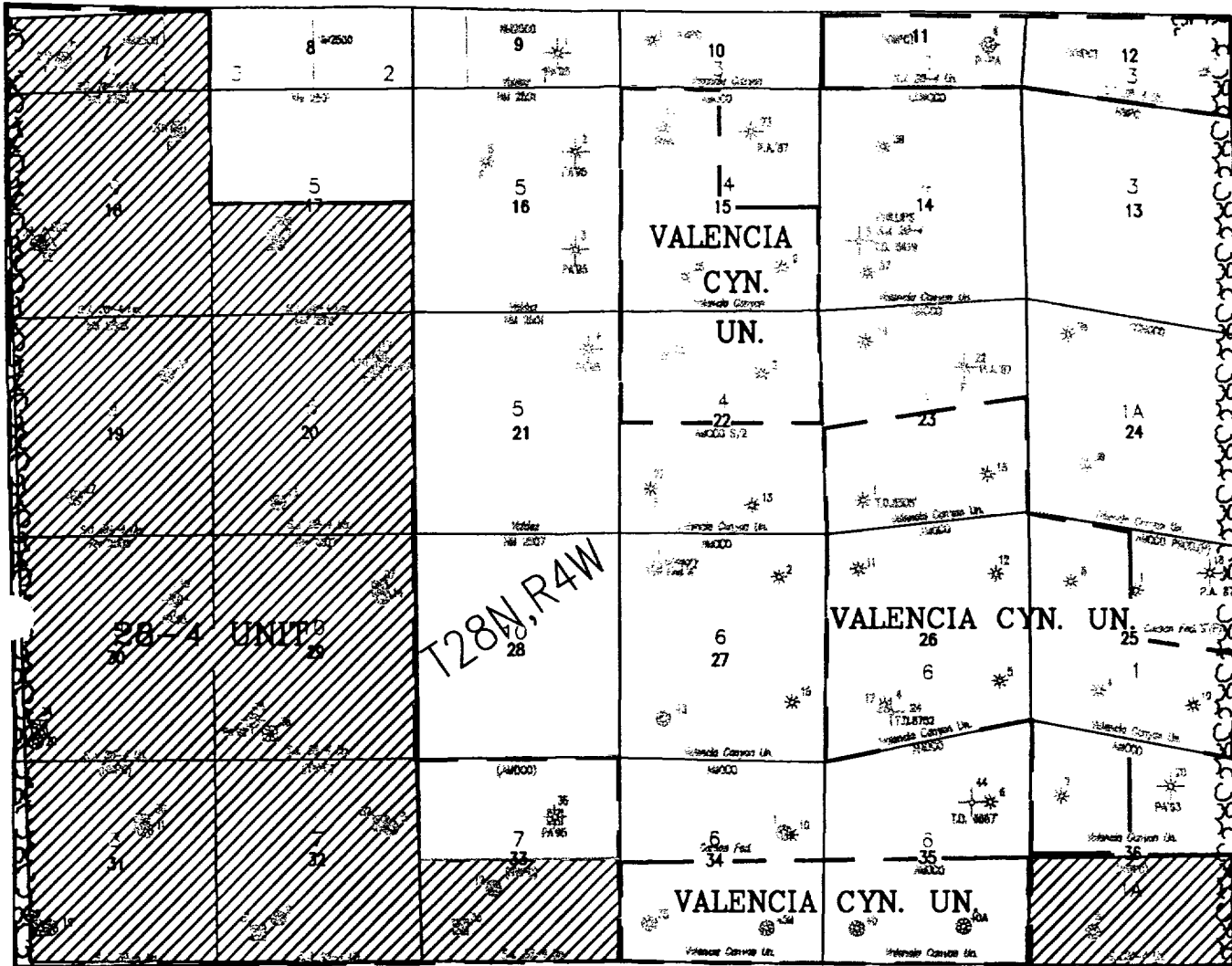


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## SAN JUAN 28-4 UNIT

- FRUITLAND
- PICTURED CLIFFS
- MESAVERDE
- DAKOTA
- PICTURED CLIFFS PARTICIPATING AREA  
1st Expansion Effective 12/1/55
- OIL AND GAS OWNED BY  
STATE OF NEW MEXICO

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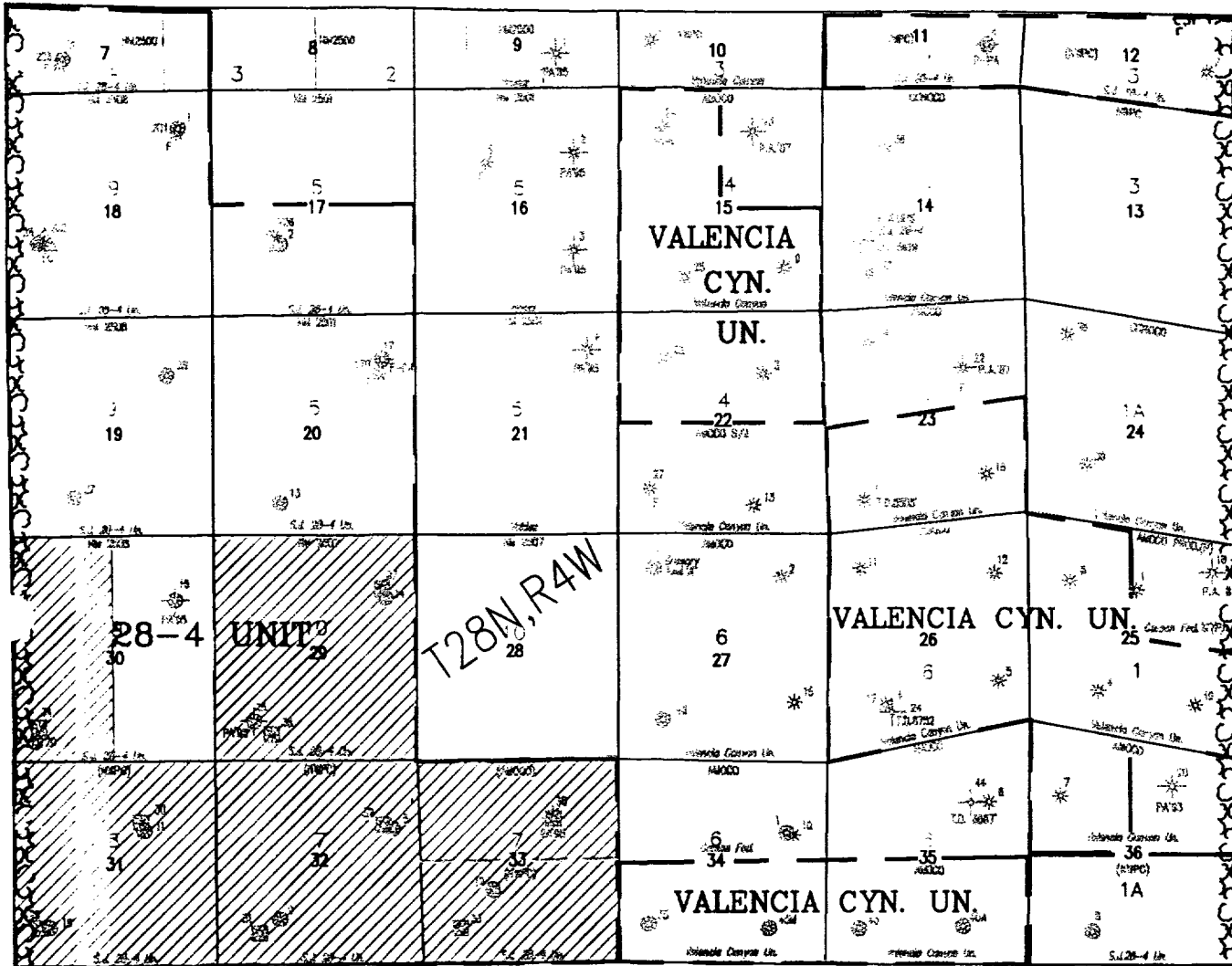


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SAN JUAN 28-4 UNIT

- ▲ FRUITLAND
- \* PICTURED CLIFFS
- MESAVERDE
- DAKOTA
- ▨ MESAVERDE PARTICIPATING AREA  
12th Expansion Effective 11/1/61
- ▩ OIL AND GAS OWNED BY  
STATE OF NEW MEXICO

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SAN JUAN 28-4 UNIT

- ▲ FRUITLAND
- \* PICTURED CLIFFS
- MESAVERDE
- DAKOTA
- ▨ DAKOTA PARTICIPATING AREA  
7th Expansion Effective 12/1/73
- ▩ OIL AND GAS OWNED BY  
STATE OF NEW MEXICO

# BURLINGTON RESOURCES

SAN JUAN DIVISION

March 1, 1999

MAR - 4 1999

Bureau of Land Management  
Farmington Resource Area  
1235 La Plata Highway  
Farmington, NM 87401

Commissioner of Public Lands  
State of New Mexico  
P. O. Box 1148  
Santa Fe, NM 87501-1148

Oil Conservation Division  
State of New Mexico  
2040 S. Pacheco  
Santa Fe, NM 87505

**RE: 1999 Plan of Development  
SAN JUAN 28-5 UNIT 14-08-001-949  
RIO ARRIBA COUNTY, NEW MEXICO**

Ladies and Gentlemen:

The following Participating Areas currently exist in the SAN JUAN 28-5 UNIT:

FORMATION	EXPANSION	EFFECTIVE DATE
DAKOTA	020	01-Nov-79
MESAVERDE	026	01-Aug-61
PICTURED CLIFFS	001	01-May-81
FRUITLAND COAL	000	14-Oct-89

The 1998 Plan of Development (or amendments thereto) provided for the following activity:

WELL NAME	FORMATION	TYPE	DEDICATION	STATUS
SAN JUAN 28-5 UNIT 101M	MESAVERDE	NewDrill - Commingle	N/2 13-028N-005W	WOC
SAN JUAN 28-5 UNIT 101M	DAKOTA	NewDrill - Commingle	W/2 13-028N-005W	WOC
SAN JUAN 28-5 UNIT 103M	DAKOTA	NewDrill - Commingle	E/2 23-028N-005W	WOC
SAN JUAN 28-5 UNIT 103M	MESAVERDE	NewDrill - Commingle	S/2 23-028N-005W	WOC
SAN JUAN 28-5 UNIT 37A	MESAVERDE	NewDrill - Commingle	S/2 24-028N-005W	1999 POD
SAN JUAN 28-5 UNIT 37A	DAKOTA	NewDrill - Commingle	NSP 24-028N-005W	1999 POD
SAN JUAN 28-5 UNIT 68M	DAKOTA	NewDrill - Commingle	W/2 33-028N-005W	Completed
SAN JUAN 28-5 UNIT 68M	MESAVERDE	NewDrill - Commingle	N/2 33-028N-005W	Completed
SAN JUAN 28-5 UNIT 77M	MESAVERDE	NewDrill - Commingle	N/2 27-028N-005W	1999 POD - WOC
SAN JUAN 28-5 UNIT 77M	DAKOTA	NewDrill - Commingle	N/2 27-028N-005W	1999 POD - WOC
SAN JUAN 28-5 UNIT 78M	DAKOTA	NewDrill - Commingle	W/2 25-028N-005W	Completed
SAN JUAN 28-5 UNIT 78M	MESAVERDE	NewDrill - Commingle	N/2 25-028N-005W	Completed
SAN JUAN 28-5 UNIT 80M	MESAVERDE	NewDrill - Commingle	N/2 26-028N-005W	1999 POD - WOC
SAN JUAN 28-5 UNIT 80M	DAKOTA	NewDrill - Commingle	N/2 26-028N-005W	1999 POD - WOC

SAN JUAN 28-5 UNIT 81M	MESAVERDE	NewDrill - Commingle	S/2 26-028N-005W	1999 POD - WOC
SAN JUAN 28-5 UNIT 81M	DAKOTA	NewDrill - Commingle	S/2 16-028N-005W	1999 POD - WOC
SAN JUAN 28-5 UNIT 83M	DAKOTA	NewDrill - Commingle	W/2 16-028N-005W	1999 POD - WOC
SAN JUAN 28-5 UNIT 83M	MESAVERDE	NewDrill - Commingle	N/2 16-028N-005W	1999 POD - WOC
SAN JUAN 28-5 UNIT 86M	MESAVERDE	NewDrill - Commingle	N/2 23-028N-005W	1999 POD - WOC
SAN JUAN 28-5 UNIT 86M	DAKOTA	NewDrill - Commingle	W/2 23-028N-005W	1999 POD - WOC
SAN JUAN 28-5 UNIT 97M	MESAVERDE	NewDrill - Commingle	S/2 14-028N-005W	Completed
SAN JUAN 28-5 UNIT 97M	DAKOTA	NewDrill - Commingle	E/2 14-028N-005W	Completed
SAN JUAN 28-5 UNIT 98M	DAKOTA	NewDrill - Commingle	NSP 13-028N-005W	Completed
SAN JUAN 28-5 UNIT 98M	MESAVERDE	NewDrill - Commingle	S/2 13-028N-005W	Completed
SAN JUAN 28-5 UNIT 107	MESAVERDE	NewDrill - Single	ALL 12-028N-005W	Completed
SAN JUAN 28-5 UNIT 52R	MESAVERDE	NewDrill - Single	N/2 33-028N-005W	Completed
SAN JUAN 28-5 UNIT 102E	MESAVERDE	Recompletion-Commingle with Dakota	S/2 12-028N-005W	1999 POD - WOC
SAN JUAN 28-5 UNIT 54E	GALLUP	Recompletion-Commingle with Dakota	NW/4 20-028N-005W	Completed
SAN JUAN 28-5 UNIT 61E	GALLUP	Recompletion-Commingle With Dakota	NW/4 18-028N-005W	Completed
SAN JUAN 28-5 UNIT 91E	MESAVERDE	Recompletion-Commingle with Dakota	N/2 14-028N-005W	Completed
SAN JUAN 28-5 UNIT 78	MESAVERDE	Recompletion-Commingle with Dakota	S/2 25-028N-005W	Completed

The Participating Area maps submitted last year have not been revised, therefore, they are not being resubmitted with this year's Plan of Development.

Pursuant to Section 10 of the SAN JUAN 28-5 UNIT Agreement, Burlington Resources Oil & Gas Company, as Unit Operator, hereby submits the 1999 Plan of Development as follows:

WELL NAME	FORMATION	TYPE	DEDICATION
SAN JUAN 28-5 UNIT 102E*	MESAVERDE	Recompletion -Commingle with Dakota	S/2 12-028N-005W
SAN JUAN 28-5 UNIT 37A *	MESAVERDE	NewDrill - Commingle	S/2 24-028N-005W
SAN JUAN 28-5 UNIT 37A *	DAKOTA	NewDrill - Commingle	NSP 24-028N-005W
SAN JUAN 28-5 UNIT 77M*	MESAVERDE	NewDrill - Commingle	N/2 27-028N-005W
SAN JUAN 28-5 UNIT 77M*	DAKOTA	NewDrill - Commingle	N/2 27-028N-005W
SAN JUAN 28-5 UNIT 80M*	MESAVERDE	NewDrill - Commingle	N/2 26-028N-005W
SAN JUAN 28-5 UNIT 80M*	DAKOTA	NewDrill - Commingle	N/2 26-028N-005W
SAN JUAN 28-5 UNIT 81M*	MESAVERDE	NewDrill - Commingle	S/2 26-028N-005W
SAN JUAN 28-5 UNIT 81M*	DAKOTA	NewDrill - Commingle	S/2 26-028N-005W
SAN JUAN 28-5 UNIT 83M*	MESAVERDE	NewDrill - Commingle	N/2 16-028N-005W
SAN JUAN 28-5 UNIT 83M*	DAKOTA	NewDrill - Commingle	W/2 26-028N-005W
SAN JUAN 28-5 UNIT 86M*	MESAVERDE	NewDrill - Commingle	N/2 23-028N-005W
SAN JUAN 28-5 UNIT 86M*	DAKOTA	NewDrill - Commingle	W/2 23-028N-005W
SAN JUAN 28-5 UNIT 92M	MESAVERDE	NewDrill - Commingle	N/2 24-028N-005W
SAN JUAN 28-5 UNIT 92M	DAKOTA	NewDrill - Commingle	W/2 24-028N-005W

\* Carried over from 1998 Plan of Development

The following is a well listing for wells in SAN JUAN 28-5 UNIT and the current status our system contains for the well.

WELL NAME	FORM	LEGAL DESC	REASON	FLAG
SAN JUAN 28-5 UNIT 101M	DAKOTA	W 013-028N-005W	WOC	Commingle
SAN JUAN 28-5 UNIT 101M	MESAVERDE	N 013-028N-005W	WOC	Commingle
SAN JUAN 28-5 UNIT 103M	MESAVERDE	S 023-028N-005W	WOC	Commingle
SAN JUAN 28-5 UNIT 103M	DAKOTA	E 023-028N-005W	WOC	Commingle
SAN JUAN 28-5 UNIT 230	FRUITLAND COAL	N 025-028N-005W	Shut-in	Commingle
SAN JUAN 28-5 UNIT 230	PICTURED CLIFFS	N 025-028N-005W	Shut-in	Commingle
SAN JUAN 28-5 UNIT 235	FRUITLAND COAL	S 028-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 235	PICTURED CLIFFS	S 028-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 236	FRUITLAND COAL	S 026-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 236	PICTURED CLIFFS	S 026-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 240	FRUITLAND COAL	N 032-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 240	PICTURED CLIFFS	N 032-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 242	FRUITLAND COAL	S 012-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 242	PICTURED CLIFFS	S 012-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 35M	MESAVERDE	S 019-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 35M	DAKOTA	S 019-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 41M	MESAVERDE	N 032-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 41M	DAKOTA	N 032-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 42	DAKOTA	S 031-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 42	MESAVERDE	S 031-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 42M	DAKOTA	S 031-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 42M	MESAVERDE	S 031-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 44	MESAVERDE	S 027-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 44	DAKOTA	S 027-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 45M	MESAVERDE	N 036-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 45M	DAKOTA	NSP 036-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 54E	DAKOTA	W 020-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 54E	GALLUP	NW 020-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 57M	MESAVERDE	N 019-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 57M	DAKOTA	N 019-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 58M	DAKOTA	S 030-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 58M	MESAVERDE	S 030-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 59M	MESAVERDE	N 030-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 59M	DAKOTA	N 030-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 60M	MESAVERDE	N 029-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 60M	DAKOTA	N 029-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 61E	DAKOTA	N 018-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 61E	GALLUP	NW 018-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 64M	MESAVERDE	N 028-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 64M	DAKOTA	N 028-028N-005W	Active	Commingle

SAN JUAN 28-5 UNIT 65M	MESAVERDE	S 028-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 65M	DAKOTA	S 028-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 66M	MESAVERDE	S 029-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 66M	DAKOTA	S 029-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 68M	MESAVERDE	N 033-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 68M	DAKOTA	W 033-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 70M	DAKOTA	W 034-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 70M	MESAVERDE	N 034-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 72M	MESAVERDE	N 035-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 72M	DAKOTA	NSP 035-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 73M	DAKOTA	NSP 035-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 73M	MESAVERDE	S 035-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 76	DAKOTA	N 021-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 76	MESAVERDE	N 021-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 77M	MESAVERDE	N 027-028N-005W	WOC	Commingle
SAN JUAN 28-5 UNIT 77M	DAKOTA	N 027-028N-005W	WOC	Commingle
SAN JUAN 28-5 UNIT 78	DAKOTA	W 025-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 78	MESAVERDE	S 025-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 78M	MESAVERDE	N 025-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 78M	DAKOTA	W 025-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 83M	DAKOTA	W 016-028N-005W	WOC	Commingle
SAN JUAN 28-5 UNIT 83M	MESAVERDE	N 016-028N-005W	WOC	Commingle
SAN JUAN 28-5 UNIT 84E	MESAVERDE	S 016-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 84E	DAKOTA	E 016-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 86M	MESAVERDE	N 023-028N-005W	WOC	Commingle
SAN JUAN 28-5 UNIT NP 86M	DAKOTA	W 023-028N-005W	WOC	Commingle
SAN JUAN 28-5 UNIT 88M	MESAVERDE	W 015-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 88M	DAKOTA	W 015-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 89	MESAVERDE	ALL 009-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 89	DAKOTA	NSP 009-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 91E	DAKOTA	W 014-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 91E	MESAVERDE	N 014-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 93M	DAKOTA	E 015-028N-005W	Temp. Aband.	Commingle
SAN JUAN 28-5 UNIT 93M	MESAVERDE	S 015-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 94	MESAVERDE	S 025-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 94	DAKOTA	NSP 025-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 97M	DAKOTA	E 014-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 97M	MESAVERDE	S 014-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 98M	MESAVERDE	S 013-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 98M	DAKOTA	NSP 013-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT NP 200	FRUITLAND COAL	N 014-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT NP 200	PICTURED CLIFFS	N 014-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT NP 211	FRUITLAND COAL	S 013-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT NP 211	PICTURED CLIFFS	S 013-028N-005W	Active	Commingle

SAN JUAN 28-5 UNIT NP 212	PICTURED CLIFFS	S 015-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT NP 212	FRUITLAND COAL	S 015-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT NP 227	FRUITLAND COAL	S 011-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT NP 227	PICTURED CLIFFS	S 011-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT NP 228	FRUITLAND COAL	N 024-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT NP 228	PICTURED CLIFFS	N 024-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT NP 229	FRUITLAND COAL	S 027-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT NP 229	PICTURED CLIFFS	S 027-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT NP 232	FRUITLAND COAL	S 024-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT NP 232	PICTURED CLIFFS	S 024-028N-005W	Active	Commingle
			<b>Commingle Completion Count</b>	94
SAN JUAN 28-5 UNIT 29A	PICTURED CLIFFS	N 018-028N-005W	Active	Dual
SAN JUAN 28-5 UNIT 29A	MESAVERDE	N 018-028N-005W	Active	Dual
SAN JUAN 28-5 UNIT 33	MESAVERDE	S 017-028N-005W	Active	Dual
SAN JUAN 28-5 UNIT 33	DAKOTA	S 017-028N-005W	Shut-in	Dual
SAN JUAN 28-5 UNIT 34	MESAVERDE	S 018-028N-005W	Active	Dual
SAN JUAN 28-5 UNIT 34	DAKOTA	S 018-028N-005W	Active	Dual
SAN JUAN 28-5 UNIT 35	MESAVERDE	S 019-028N-005W	Active	Dual
SAN JUAN 28-5 UNIT 35	DAKOTA	S 019-028N-005W	Active	Dual
SAN JUAN 28-5 UNIT 38A	PICTURED CLIFFS	S 032-028N-005W	Active	Dual
SAN JUAN 28-5 UNIT 38A	MESAVERDE	S 032-028N-005W	Active	Dual
SAN JUAN 28-5 UNIT 41	MESAVERDE	N 032-028N-005W	Active	Dual
SAN JUAN 28-5 UNIT 41	DAKOTA	N 032-028N-005W	Active	Dual
SAN JUAN 28-5 UNIT 51A	PICTURED CLIFFS	N 031-028N-005W	Active	Dual
SAN JUAN 28-5 UNIT 51A	MESAVERDE	N 031-028N-005W	Active	Dual
SAN JUAN 28-5 UNIT 67M	MESAVERDE	S 021-028N-005W	Active	Dual
SAN JUAN 28-5 UNIT 67M	DAKOTA	S 021-028N-005W	Active	Dual
SAN JUAN 28-5 UNIT 76M	MESAVERDE	N 021-028N-005W	Active	Dual
SAN JUAN 28-5 UNIT 76M	DAKOTA	N 021-028N-005W	Active	Dual
			<b>Dual Completion Count</b>	18
SAN JUAN 28-5 UNIT 1	MESAVERDE	N 029-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 10	MESAVERDE	S 015-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 101	DAKOTA	W 013-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 102	DAKOTA	NSP 011-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 102E	DAKOTA	NSP 012-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 103	DAKOTA	E 023-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 107	MESAVERDE	S 012-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 11	MESAVERDE	S 033-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 11A	MESAVERDE	S 033-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 12	MESAVERDE	ALL 007-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 12A	MESAVERDE	ALL 007-028N-005W	Active	Single



SAN JUAN 28-5 UNIT 13	MESAVERDE	S 009-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 14	MESAVERDE	N 020-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 14A	MESAVERDE	N 020-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 15	MESAVERDE	S 034-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 15A	MESAVERDE	S 034-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 16	MESAVERDE	N 016-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 17	MESAVERDE	S 020-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 17A	MESAVERDE	S 020-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 18	MESAVERDE	S 011-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 18A	MESAVERDE	S 011-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 19	MESAVERDE	ALL 010-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 19A	MESAVERDE	S 010-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 2	MESAVERDE	S 014-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 20	MESAVERDE	S 030-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 202	FRUITLAND COAL	N 016-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 21	MESAVERDE	S 035-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 22	MESAVERDE	S 021-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 23	MESAVERDE	N 028-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 24	MESAVERDE	N 034-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 245	FRUITLAND COAL	N 022-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 25	MESAVERDE	S 013-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 26	MESAVERDE	N 014-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 27	MESAVERDE	N 015-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 28	MESAVERDE	N 017-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 28A	MESAVERDE	N 017-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 29	MESAVERDE	N 018-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 30	MESAVERDE	N 022-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 30A	MESAVERDE	N 022-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 31	MESAVERDE	N 013-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 32	MESAVERDE	N 030-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 33A	MESAVERDE	S 017-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 34A	MESAVERDE	S 018-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 34E	DAKOTA	S 018-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 36	MESAVERDE	N 026-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 37	MESAVERDE	S 024-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 38	MESAVERDE	S 032-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 39	MESAVERDE	N 024-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 4	MESAVERDE	N 019-028N-005W	P&A	Single
SAN JUAN 28-5 UNIT 40	MESAVERDE	N 027-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 43	MESAVERDE	S 025-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 44A	MESAVERDE	S 027-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 45	DAKOTA	NSP 036-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 46	MESAVERDE	N 025-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 47	MESAVERDE	N 036-028N-005W	Active	Single

SAN JUAN 28-5 UNIT 48	MESAVERDE	S 022-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 48A	MESAVERDE	S 022-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 49	MESAVERDE	N 023-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 4R	MESAVERDE	N 019-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 50	MESAVERDE	S 028-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 51	MESAVERDE	N 031-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 52	MESAVERDE	N 033-028N-005W	P&A	Single
SAN JUAN 28-5 UNIT 52R	MESAVERDE	N 033-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 53	MESAVERDE	N 035-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 54	DAKOTA	W 020-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 55	MESAVERDE	S 023-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 56	DAKOTA	S 032-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 57	DAKOTA	N 019-028N-005W	P&A	Single
SAN JUAN 28-5 UNIT 58	DAKOTA	S 030-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 59	DAKOTA	N 030-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 6	MESAVERDE	S 016-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 60	DAKOTA	N 029-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 61	DAKOTA	N 018-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 62	DAKOTA	N 031-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 63	DAKOTA	E 020-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 63E	DAKOTA	E 020-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 64	DAKOTA	N 028-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 65	DAKOTA	S 028-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 66	DAKOTA	S 029-030N-005W	Active	Single
SAN JUAN 28-5 UNIT 67	DAKOTA	S 021-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 68	DAKOTA	W 033-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 69	DAKOTA	E 033-028N-005W	P&A	Single
SAN JUAN 28-5 UNIT 7	MESAVERDE	S 008-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 70	DAKOTA	W 034-028N-005W	Shut-in	Single
SAN JUAN 28-5 UNIT 71	DAKOTA	NSP 034-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 72	DAKOTA	NSP 035-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 73	DAKOTA	NSP 035-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 74	DAKOTA	NSP 036-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 75	DAKOTA	N 017-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 77	DAKOTA	N 027-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 79	DAKOTA	NSP 007-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 79E	DAKOTA	NSP 007-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 7A	MESAVERDE	S 008-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 8	MESAVERDE	N 021-028N-005W	P&A	Single
SAN JUAN 28-5 UNIT 8	FRUITLAND COAL	N 021-028N-005W	P&A	Single
SAN JUAN 28-5 UNIT 80	DAKOTA	N 026-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 81	DAKOTA	S 026-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 82	DAKOTA	W 022-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 83	DAKOTA	W 016-028N-005W	Active	Single

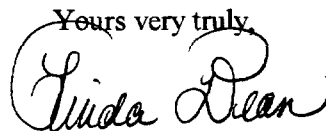
SAN JUAN 28-5 UNIT 84	DAKOTA	E 016-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 85	DAKOTA	NSP 008-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 85E	DAKOTA	NSP 008-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 87	DAKOTA	E 022-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 89E	DAKOTA	NSP 009-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 9	MESAVERDE	S 029-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 91	DAKOTA	W 014-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 92	DAKOTA	W 024-028N-005W	P&A	Single
SAN JUAN 28-5 UNIT 93	DAKOTA	E 015-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 95	PICTURED CLIFFS	S 031-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 96	DAKOTA	NSP 010-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 96E	DAKOTA	NSP 011-028N-005W	Active	Single
SAN JUAN 28-5 UNIT 97	DAKOTA	E 014-028N-005W	P&A	Single
SAN JUAN 28-5 UNIT 98	DAKOTA	NSP 013-028N-005W	P&A	Single
SAN JUAN 28-5 UNIT NP 201	FRUITLAND COAL	N 015-028N-005W	Active	Single
SAN JUAN 28-5 UNIT NP 203	FRUITLAND COAL	N 017-028N-005W	Shut-in	Single
SAN JUAN 28-5 UNIT NP 204	FRUITLAND COAL	N 018-028N-005W	Active	Single
SAN JUAN 28-5 UNIT NP 219	FRUITLAND COAL	N 030-028N-005W	Active	Single
SAN JUAN 28-5 UNIT NP 223	FRUITLAND COAL	S 034-028N-005W	Active	Single
SAN JUAN 28-5 UNIT NP 3	MESAVERDE	S 026-028N-005W	Active	Single
SAN JUAN 28-5 UNIT NP 86	DAKOTA	W 023-028N-005W	Active	Single

Single 120  
Completion  
Count  
Grand 232  
Completion  
Count

The working interest owners are being furnished a copy of this letter. Burlington, as Unit Operator, will drill any offset wells required to prevent drainage of unitized substances and any other wells deemed necessary by the working interest owners or Unit Operator.

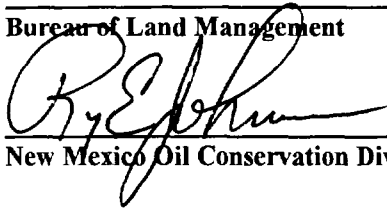
In accordance to Section 10 of the Unit Agreement, please provide your approvals by executing and returning a copy of this letter to the undersigned.

Please contact me at (505) 326-9760 if there are any questions regarding this letter.

Yours very truly,  


Linda Dean  
Senior Staff Landman

**SAN JUAN 28-5 UNIT  
1999 PLAN OF DEVELOPMENT**

\_\_\_\_\_  
**Bureau of Land Management**  
  
\_\_\_\_\_  
**New Mexico Oil Conservation Division**

\_\_\_\_\_  
**Date**  
*3/4/99*  
\_\_\_\_\_  
**Date**

\_\_\_\_\_  
**New Mexico Commissioner of Public Lands**

\_\_\_\_\_  
**Date**

## SAN JUAN 28-5 UNIT WORKING INTEREST OWNERS

Algernon W. Brown

Thelma Pool Rev. Trust

Cross Timbers Oil Company

Thomas & Mary Dugan

Bedrock Limited Partnership

Vaughan-McElvain Energy, Inc.

Bolack Minerals Company

Williams Production Company

Burlington Resources Oil & Gas Company

Devon Energy Corporation

EJE Brown Company

Estate of Carl R. McElvain

Evelyn G. Brown

Harold O. Pool Irrevocable Trust

James M Raymond, Ind. & as Trustee for Maydell M. Mast and Attorney-in-Fact for Charles W. Gay and Lorryn Gay Hacker

Langdon D. Harrison

MAR Oil & Gas Corporation, Inc.

Phillips Petroleum Company

Robert & Frances Tinnin Revoc. Trust

Ruth Zimmerman Trust

NationsBank, N.A. for Katheen Quinn

T. H. McElvain Oil & Gas Limited Partnership

**BURLINGTON  
RESOURCES**

FEB 24 1999

553

SAN JUAN DIVISION

February 22, 1999

Bureau of Land Management (3)  
Attn: Mr. Duane Spencer  
1235 La Plata Highway  
Farmington, NM 87401

Commissioner of Public Lands (2)  
State of New Mexico  
P.O. Box 1148  
Santa Fe, NM 87501-1148

State of New Mexico (2)  
Oil Conservation Division  
Energy & Minerals Department  
2040 South Pacheco  
Santa Fe, NM 87505

RE: San Juan 28-5 Unit, #14-08-001-949  
Rio Arriba County, New Mexico  
Mesaverde Participating Area  
Twenty-Seventh Expansion, effective 8/1/95

Gentlemen:

Pursuant to Section 11(a) of the Unit Agreement for the referenced Unit, approved August 25, 1953, Burlington Resources Oil & Gas Company, as Unit Operator, has determined that the following well is capable of producing unitized substances in paying quantities from the Mesaverde formation and thereby should be admitted to the Mesaverde Participating Area. Pursuant to a BLM letter, the San Juan 28-5 Unit NP #3 well has been deemed commercial and is being added into the 27<sup>th</sup> expansion as follows:

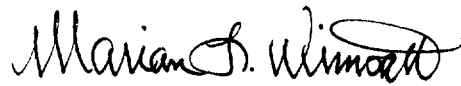
**Twenty-seventh Expansion - Effective 08/01/1995**

<u>Well Name</u>	<u>Tract/Acres</u>	<u>Tract Description</u>	<u>Workover Date</u>
San Juan 28-5 Unit NP #3	Tr.#006/320 acres	S/2 Sec.26-T28N-R5W	7/9/95

The Expansion Schedule for the 27<sup>th</sup> Participating Area is enclosed. The schedule describes the Participating Area and shows the percentage of unitized substances allocated to the Tracts according to the ownership within the Tracts.

We would appreciate consideration of this Expansion as soon as possible. Please contact the undersigned at (505) 326-9860 if there are any questions regarding this matter. Copies of this letter are being furnished to the Working Interest Owners on the attached list.

Very truly yours,



Marian L. Wimsatt, CPLTA  
Land Analyst

MLW:ll  
SJ 28-5, 4.2  
cc: Linda Dean



# United States Department of the Interior

## BUREAU OF LAND MANAGEMENT

Farmington District Office  
1235 La Plata Highway, Suite A  
Farmington, New Mexico 87401

IN REPLY REFER TO:

San Juan 28-5 Unit (Mesaverde PA)  
3162.7 (07400)

January 28, 1999

Burlington Resources Oil & Gas Company  
P.O. Box 4289  
Farmington, NM 87499-4289

RE: San Juan 28-5 Unit  
Commerciality Determinations  
Mesaverde Formation  
Rio Arriba County, New Mexico

Dear Ms. Wimsatt:

In response to your letter dated November 5, 1998, the Farmington Field Office (FFO) has reviewed the data you submitted for a commerciality determination for the following well completed in the Mesaverde formation.

Well Name & Number	Dedication	Lease	Workover Date	Determination
San Juan 28-5 Unit NP #3	S/2 26,T28N,R5W	NMSF079520A	7/9/95	Commercial

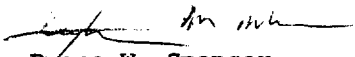
After completing our economic evaluation, we are in concurrence with the above determination.

The well is determined to be a commercial well and is to be included in the Mesaverde participating area. It is required that a revision be submitted to include the well in the San Juan 28-5 Unit Mesaverde Participating area.

Under provisions of 43 CFR 3165.3, you may request an Administrative Review of the order(s) described above. Such request, including all supporting documents, must be filed in writing within 20 business days of receipt of this notice and must be filed with the State Director, Bureau of Land Management, P. O. Box 27115, Santa Fe, New Mexico 87502-0115. Such request shall not result in a suspension of the order(s) unless the reviewing official so determines. Procedures governing appeals from instructions, orders or decisions are contained in 43 CFR 3165.4 and 43 CFR 4.400 *et seq.*

If you have any questions concerning this matter, please contact Wayne Townsend at the above address or telephone (505) 599-6359.

Sincerely,

  
for Duane W. Spencer  
Team Leader, Petroleum Management Team

## SAN JUAN 28-5 UNIT WORKING INTEREST OWNERS

Algernon W. Brown  
Cross Timbers Oil Company  
Bedrock Limited Partnership  
Bolack Minerals Company  
Burlington Resources Oil & Gas Company  
Devon Energy Corporation  
EJE Brown Company  
Estate of Carl R. McElvain  
Evelyn G. Brown  
Harold O. Pool Irrevocable Trust  
James M Raymond, Ind. & as Trustee for Maydell M. Mast and Attorney-in-Fact for Charles W. Gay and Lorryn Gay Hacker  
Langdon D. Harrison  
MAR Oil & Gas Corporation, Inc.  
Phillips Petroleum Company  
Robert & Frances Tinnin Revoc. Trust  
Ruth Zimmerman Trust  
NationsBank, N.A. for Katheen Quinn  
T. H. McElvain Oil & Gas Limited Partnership  
Thelma Pool Rev. Trust  
Thomas & Mary Dugan  
Vaughan-McElvain Energy, Inc.  
Williams Production Company



RUN DATE 02/22/99  
 RUN TIME 13:34:38

BURLINGTON RESOURCES O&G CO  
 THE 027 EXPANDED PARTICIPATING AREA FOR MESASVERDE FORMATION  
 SAN JUAN 28-5 UNIT AREA  
 RIO ARRIBA, NEW MEXICO  
 EFFECTIVE 08/01/1995

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	OWNERSHIP	DRILLING BLOCK	GWI PERCENTAGE	NRI PERCENTAGE	PARTICIPATION FACTOR
SF-079250	T-028N R-005W	2383.75		TRACT: 001			14.283300
	SEC. 009 SE/4 SW/4 SW/4 (80.00 acres)		ORRI: ROYALTY: WORKING INTEREST: BR OIL & GAS CO		0.000000 0.000000 100.000000	25.625000 12.500000 61.875000	
	LOT 1 (30.600000 acres)						
	LOT 2 (30.590000 acres)						
	SEC. 010 S/2 S/2 (160.00 acres)		TOTAL		100.000000	100.000000	
	LOT 1 (30.370000 acres)						
	LOT 2 (30.440000 acres)						
	LOT 3 (30.500000 acres)						
	LOT 4 (30.570000 acres)						
	SEC. 011 S/2 S/2 (160.00 acres)						
	LOT 1 (30.040000 acres)						
	LOT 2 (30.130000 acres)						
	LOT 3 (30.210000 acres)						
	LOT 4 (30.300000 acres)						
	SEC. 013 W/2 NW/4 (80.00 acres)						
	SEC. 014 N/2 (320.00 acres)						
	SEC. 015 N/2 (320.00 acres)						
	SEC. 016 N/2 (320.00 acres)						
	SEC. 017 N/2 (320.00 acres)						
	SEC. 018 N/2 (320.00 acres)						
SF-079472	T-028N R-005W	320.00		TRACT: 002			1.917423
	SEC. 030 NE/4, N/2 S/2 (320.00 acres)		ORRI: ROYALTY: WORKING INTEREST: PHILLIPS PETROLEUM WILLIAMS PRODUCTION		0.000000 0.000000 82.000000 18.000000	5.000000 12.500000 67.650000 14.850000	

RUN DATE 02/22/99  
 RUN TIME 13:34:38

BURLINGTON RESOURCES O&G CO  
 THE 027 EXPANDED PARTICIPATING AREA FOR MESAVERDE FORMATION  
 SAN JUAN 28-5 UNIT AREA  
 RIO ARriba, NEW MEXICO  
 EFFECTIVE 08/01/1995

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	OWNERSHIP	DRILLING BLOCK	GWI PERCENTAGE	NRI PERCENTAGE	PARTICIPATION FACTOR
SF-079519	T-028N R-005W	171.89		TRACT: 003			1.029956
	SEC. 024 NW/4 NE/4, N/2 NW/4 (120.00 acres)		ORRI: ROYALTY: WORKING INTEREST:		0.000000 0.000000	3.352343 12.500000	
	LOT 1 (51.890000 acres)		HARRISON LANGDON D E J E BROWN COMPANY T H MCELVAIN OIL & G POOL THELMA REV MARI POOL HAROLD IRREV RE TINNIN ROBT/FRANCES BROWN EVELYN G BROWN ALGERNON W BR OIL & GAS CO		1.968749 2.624999 21.875000 2.624999 2.624999 0.656251 0.776160 1.848839 65.000004	1.722655 2.182030 19.140625 2.182030 2.182030 0.574220 0.645183 1.536847 53.982037	
	TOTAL				100.000000	100.000000	
SF-079519A	T-028N R-005W	2166.52		TRACT: 004			12.981670
	SEC. 013 NE/4 NW/4 (40.00 acres)		ORRI: ROYALTY: WORKING INTEREST:		0.000000 0.000000	20.781200 12.500000	
	LOT 1 (51.490000 acres) LOT 2 (51.580000 acres) LOT 3 (51.680000 acres) LOT 4 (51.770000 acres)		DUGAN THOMAS & MARY HARRISON LANGDON D DEVON ENGY CORP NEV RAYMOND JAMES M M A R OIL & GAS CORP E J E BROWN COMPANY MAST MAYDELL MILLER QUINN KATHLEEN T H MCELVAIN OIL & G ZIMMERMAN RUTH POOL THELMA REV MARI POOL HAROLD IRREV RE TINNIN ROBT/FRANCES BROWN EVELYN G		0.656250 0.984375 1.312500 0.911455 3.125000 1.312500 0.091144 0.875000 5.468753 0.437500 1.312501 1.312500 1.148438 0.328125 0.388080	0.574219 0.861328 1.148437 0.797523 2.734375 1.148438 0.079751 0.765625 4.785160 0.382812 1.148438 1.148437 0.287109 0.339570	

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	OWNERSHIP	DRILLING BLOCK	GWI PERCENTAGE	NRI PERCENTAGE	PARTICIPATION FACTOR
SF-079520A	T-028N R-005W	1209.12		TRACT: 006			7.244981
	SEC. 025 W/2 NE/4, W/2 SW/4, NW/4, SW/4 SE/4 (360.00 acres)		ORRI: ROYALTY: WORKING INTEREST: DUGAN THOMAS & MARY HARRISON LANGDON D DEVON ENGY CORP NEV RAYMOND JAMES M M A R OIL & GAS CORP E J E BROWN COMPANY MAST MAYDELL MILLER QUINN KATHLEEN T H MCELVAIN OIL & G		0.000000 0.000000 0.656250 0.984375 1.312501 0.911455 3.125000 1.312500 0.091143 0.875000	20.781200 12.500000 0.574219 0.861328 1.148438 0.797523 2.734375 1.148438 0.079750 0.765625	
	SEC. 024 W/2 SE/4, S/2 NW/4, SW/4 NE/4, SW/4 (360.00 acres)		ORRI: ROYALTY: WORKING INTEREST: HARRISON LANGDON D E J E BROWN COMPANY T H MCELVAIN OIL & G POOL THELMA REV MARI POOL HAROLD IRREV RE TINNIN ROBT/FRANCES BROWN EVELYN G BROWN ALGERNON W BR OIL & GAS CO		0.000000 0.000000 1.968749 2.624999 21.875000 2.624999 2.625000 0.656251 0.776160 1.848839 65.000003	3.352343 12.500000 1.722655 2.182030 19.140625 2.182030 2.182031 0.574220 0.645183 1.536847 53.982036	
	SEC. 027 ALL (640.00 acres)		TOTAL		100.000000	100.000000	
SF-079520	T-028N R-005W	1156.47		TRACT: 005			6.929505
	SEC. 024 W/2 SE/4, S/2 NW/4, SW/4 NE/4, SW/4 (360.00 acres)		ORRI: ROYALTY: WORKING INTEREST: HARRISON LANGDON D E J E BROWN COMPANY T H MCELVAIN OIL & G POOL THELMA REV MARI POOL HAROLD IRREV RE TINNIN ROBT/FRANCES BROWN EVELYN G BROWN ALGERNON W BR OIL & GAS CO		0.924420 0.045573 0.045574 0.656249 79.812501	0.808867 0.039877 0.039877 0.574218 49.054739	
	SEC. 026 ALL (640.00 acres)		TOTAL		100.000000	100.000000	

RUN DATE 02/22/99  
 RUN TIME 13:34:38

BURLINGTON RESOURCES O&G CO  
 THE 027 EXPANDED PARTICIPATING AREA FOR MESAVERT DE FORMATION  
 SAN JUAN 28-5 UNIT AREA  
 RIO ARRIBA, NEW MEXICO  
 EFFECTIVE 08/01/1995

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	OWNERSHIP	DRILLING BLOCK	GW% PERCENTAGE	NRI PERCENTAGE	PARTICIPATION FACTOR
SF-079521	T-028N R-005W	638.72		TRACT: 007			3.827176
	SEC. 032 N/2 S/2, N/2 (480.00 acres)						
	LOT 1 (39.710000 acres)		ZIMMERMAN RUTH		0.437501	0.382813	
	LOT 2 (39.690000 acres)		POOL THELMA REV MARI		1.312500	1.148437	
	LOT 3 (39.670000 acres)		POOL HAROLD IRREV RE		1.312500	1.148437	
	LOT 4 (39.650000 acres)		TINNIN ROBT/FRANCES		0.328125	0.287109	
			BROWN EVELYN G		0.388080	0.339570	
			BROWN ALGERNON W		0.924420	0.808867	
			GAY CHARLES W		0.045573	0.039877	
			HACKER LORRAYN GAY		0.045573	0.039876	
			DUGAN MARY ESTATE		0.656249	0.574218	
			BR OIL & GAS CO		79.812503	49.054741	
			TOTAL		100.000000	100.000000	
			ORRI:		0.000000	3.352343	
			ROYALTY:		0.000000	12.500000	
			WORKING INTEREST:				
			HARRISON LANGDON D		1.968749	1.722655	
			E J E BROWN COMPANY		2.624999	2.182030	
			T H MCELVAIN OIL & G		21.875000	19.140625	
			POOL THELMA REV MARI		2.624999	2.182030	
			POOL HAROLD IRREV RE		2.625000	2.182031	
			TINNIN ROBT/FRANCES		0.656251	0.574220	
			BROWN EVELYN G		0.776160	0.645183	
			BROWN ALGERNON W		1.848839	1.536847	
			BR OIL & GAS CO		65.000003	53.982036	
			TOTAL		100.000000	100.000000	
SF-079521A	T-028N R-005W	1919.28		TRACT: 008			11.500221
	SEC. 028 SE/4 NE/4, SE/4 NW/4, W/2 NW/4, S/2 (480.00 acres)						
	SEC. 029 ALL (640.00 acres)						
	SEC. 030 S/2 S/2						
			ORRI:		0.000000	20.781200	
			ROYALTY:		0.000000	12.500000	
			WORKING INTEREST:				
			DUGAN THOMAS & MARY		0.656250	0.574219	
			HARRISON LANGDON D		0.984375	0.861328	
			DEVON ENGY CORP NEV		1.312499	1.148436	
			RAYMOND JAMES M		0.911455	0.797523	



RUN DATE 02/22/99  
 RUN TIME 13:34:38

BURLINGTON RESOURCES O&G CO  
 THE 027 EXPANDED PARTICIPATING AREA FOR MESAVERDE FORMATION  
 SAN JUAN 28-5 UNIT AREA  
 RIO ARIBA, NEW MEXICO  
 EFFECTIVE 08/01/1995

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	OWNERSHIP	DRILLING BLOCK	GWI PERCENTAGE	NRI PERCENTAGE	PARTICIPATION FACTOR
	(240.00 acres)						
	LOT 1 (52.280000 acres)						
	LOT 2 (52.460000 acres)						
NM-012880	T-028N R-005W	40.00		TRACT: 010			0.239678
	-----						
	SEC. 021 NE/4 NE/4		ORRI:		0.000000	1.000000	
	(40.00 acres)		ROYALTY:		0.000000	12.500000	
			WORKING INTEREST:				
			BR OIL & GAS CO		100.000000	86.500000	
					-----	-----	
			TOTAL		100.000000	100.000000	
SF-080505	T-028N R-005W	160.00		TRACT: 011			0.958711
	-----						
	SEC. 030 NW/4		ORRI:		0.000000	10.000000	
	(160.00 acres)		ROYALTY:		0.000000	12.500000	
			WORKING INTEREST:				
			BR OIL & GAS CO		100.000000	77.500000	
					-----	-----	
			TOTAL		100.000000	100.000000	
SF-080505-B	T-028N R-005W	160.00		TRACT: 012			0.958711
	-----						
	SEC. 019 SW/4		ORRI:		0.000000	4.000000	
	(160.00 acres)		ROYALTY:		0.000000	12.500000	
			WORKING INTEREST:				
			PHILLIPS PETROLEUM		82.000000	68.470000	
			WILLIAMS PRODUCTION		18.000000	15.030000	
					-----	-----	
			TOTAL		100.000000	100.000000	
SF-080516B	T-028N R-005W	600.00		TRACT: 013			3.595167
	-----						
	SEC. 013 SW/4, W/2 NE/4, SE/4 NW/4, W/2 SE/4		ORRI:		0.000000	0.000000	
	(360.00 acres)		ROYALTY:		0.000000	12.500000	
			WORKING INTEREST:				
			BR OIL & GAS CO		100.000000	87.500000	
					-----	-----	
			TOTAL		100.000000	100.000000	

RUN DATE 02/22/99  
 RUN TIME 13:34:38

BURLINGTON RESOURCES O&G CO  
 THE 027 EXPANDED PARTICIPATING AREA FOR MESAVERDE FORMATION  
 SAN JUAN 28-5 UNIT AREA  
 RIO ARRIBA, NEW MEXICO  
 EFFECTIVE 08/01/1995

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	OWNERSHIP	DRILLING BLOCK	GWI PERCENTAGE	NRI PERCENTAGE	PARTICIPATION FACTOR
SF-080516	T-028N R-005W	640.00		TRACT: 014			3.834845
	SEC. 014 S/2 (320.00 acres)		ORRI: ROYALTY: WORKING INTEREST:		0.000000 0.000000	5.000000 12.500000	
	SEC. 016 S/2 (320.00 acres)		BOLACK MINERALS BR OIL & GAS CO		50.000000 50.000000	41.250000 41.250000	
	TOTAL				100.000000	100.000000	
SF-080516-A	T-028N R-005W	1320.00		TRACT: 015			7.909368
	SEC. 017 S/2 (320.00 acres)		ORRI: ROYALTY: WORKING INTEREST:		0.000000 0.000000	5.000000 12.500000	
	SEC. 018 SE/4, E/2 SW/4, NW/4 SW/4 (280.00 acres)		PHILLIPS PETROLEUM		82.000000	67.650000	
	SEC. 019 SE/4, E/2 NW/4, NE/4 (400.00 acres)		WILLIAMS PRODUCTION		18.000000	14.850000	
	SEC. 020 W/2 (320.00 acres)		TOTAL		100.000000	100.000000	
NM-010516	T-028N R-005W	565.80		TRACT: 016			3.390243
	SEC. 007 S/2 S/2 (160.00 acres)		ORRI: ROYALTY: WORKING INTEREST:		0.000000 0.000000	25.625000 12.500000	
	LOT 1 (30.820000 acres)		BR OIL & GAS CO		100.000000	61.875000	
	LOT 2 (30.760000 acres)		TOTAL		100.000000	100.000000	
	LOT 3 (30.720000 acres)						
	LOT 4 (30.660000 acres)						
	SEC. 008 S/2 S/2 (160.00 acres)						
	LOT 1 (30.610000 acres)						
	LOT 2 (30.680000 acres)						
	LOT 3 (30.740000 acres)						
	LOT 4 (30.810000 acres)						
GOMEZ, J. CRI	T-028N R-005W	141.17		TRACT: 017			0.845883
			ORRI:		0.000000	0.000000	

RUN DATE 02/22/199  
 RUN TIME 13:34:38

BURLINGTON RESOURCES O&G CO  
 THE 027 EXPANDED PARTICIPATING AREA FOR MESAVIERDE FORMATION  
 SAN JUAN 28-5 UNIT AREA  
 RIO ARRIBA, NEW MEXICO  
 EFFECTIVE 08/01/1995

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	OWNERSHIP	DRILLING BLOCK	GW/ PERCENTAGE	NRI PERCENTAGE	PARTICIPATION FACTOR
	SEC. 009 SE/4 SW/4, SW/4 SE/4 (80.00 acres)		ROYALTY: WORKING INTEREST:		0.000000	12.500000	
	LOT 3 (30.590000 acres)		MCELVAIN CARL R EST		16.666667	14.583334	
			RAYMOND JAMES M		20.833333	18.229165	
	LOT 4 (30.580000 acres)		VAUGHAN MCELVAIN ENE		33.333332	29.166665	
			MAST MAYDELL MILLER		2.083334	1.822918	
			T H MCELVAIN OIL & G		25.000000	21.875000	
			GAY CHARLES W		1.041667	0.911461	
			HACKER LORRAYN GAY		1.041667	0.911457	
			TOTAL		100.000000	100.000000	
TRUJILLO, M A	T-028N R-005W	80.00	TRACT: 018				0.479356
	SEC. 022 N/2 NW/4 (80.00 acres)		ORRI: ROYALTY: WORKING INTEREST: BR OIL & GAS CO		0.000000 0.000000 100.000000	0.000000 12.500000 87.500000	
			TOTAL		100.000000	100.000000	
TRUJILLO, M A	T-028N R-005W	80.00	TRACT: 018A				0.479356
	SEC. 015 S/2 SW/4 (80.00 acres)		ORRI: ROYALTY: WORKING INTEREST: BR OIL & GAS CO		0.000000 0.000000 100.000000	0.000000 12.500000 87.500000	
			TOTAL		100.000000	100.000000	
HORACE F. MC	T-028N R-005W	120.00	TRACT: 019				0.719034
	SEC. 018 SW/4 SW/4 (40.00 acres)		ORRI: ROYALTY: WORKING INTEREST: BR OIL & GAS CO		0.000000 0.000000 100.000000	0.000000 12.500000 87.500000	
	SEC. 019 W/2 NW/4 (80.00 acres)		ORRI: ROYALTY: WORKING INTEREST: BR OIL & GAS CO		0.000000 0.000000 100.000000	0.000000 12.500000 87.500000	
			TOTAL		100.000000	100.000000	
GEORGE P. DE	T-028N R-005W	160.00	TRACT: 020				0.958711



RUN DATE 02/22/99  
 RUN TIME 13:34:38

THE 027 EXPANDED PARTICIPATING AREA FOR MESAVERDE FORMATION  
 BURLINGTON RESOURCES O&G CO  
 SAN JUAN 28-5 UNIT AREA  
 RIO ARriba, NEW MEXICO  
 EFFECTIVE 08/01/1995

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	OWNERSHIP	DRILLING BLOCK	GW% PERCENTAGE	NRI% PERCENTAGE	PARTICIPATION FACTOR
	SEC. 021 E/2 SW/4, NW/4 SW/4, SW/4 SE/4 (160.00 acres)	120.00	ORRI: ROYALTY: WORKING INTEREST: BR OIL & GAS CO	TRACT: 021	0.000000 0.000000 100.000000	0.000000 12.500000 87.500000	0.719034
RUSSELL E. AR T-028N R-005W							
	SEC. 025 E/2 SW/4, NW/4 SE/4 (120.00 acres)	120.00	ORRI: ROYALTY: WORKING INTEREST: BR OIL & GAS CO	TRACT: 021	0.000000 0.000000 100.000000	0.000000 12.500000 87.500000	0.719034
RUSSELL E. AR T-028N R-005W							
	SEC. 028 NE/4 NW/4, N/2 NE/4, SW/4 NE/4 (160.00 acres)	160.00	ORRI: ROYALTY: WORKING INTEREST: BR OIL & GAS CO	TRACT: 022	0.000000 0.000000 100.000000	0.000000 12.500000 87.500000	0.958711
GEORGE P. DE T-028N R-005W							
	SEC. 033 W/2 NE/4, E/2 NW/4 (160.00 acres)	329.70	ORRI: ROYALTY: WORKING INTEREST: RAYMOND JAMES M MAST MAYDELL MILLER T H MCELVAIN OIL & G GAY CHARLES W HACKER LORRAYN GAY	TRACT: 023	0.000000 0.000000 41.666666 4.166667 50.000000 2.083333 2.083334	0.000000 12.500000 36.458332 3.645834 43.750000 1.822918 1.822916	1.975545
LOBATO, G H T-028N R-005W							
	SEC. 034 N/2 SW/4 (80.00 acres)						
	LOT 3 (45.380000 acres)						
	LOT 4 (44.320000 acres)						
	TOTAL				100.000000	100.000000	
RUSSELL E. AR T-028N R-005W		296.06	ORRI:	TRACT: 024	0.000000	0.000000	1.773975

RUN DATE 02/22/199  
 RUN TIME 13:34:38

BURLINGTON RESOURCES O&G CO  
 THE 027 EXPANDED PARTICIPATING AREA FOR MESAVERDE FORMATION  
 SAN JUAN 28-5 UNIT AREA  
 RIO ARRIBA, NEW MEXICO  
 EFFECTIVE 08/01/1995

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	OWNERSHIP	DRILLING BLOCK	GWL PERCENTAGE	NRI PERCENTAGE	PARTICIPATION FACTOR
	SEC. 034 (47.48 acres)		ROYALTY:		0.000000	12.500000	
	LOT 1 (47.480000 acres)		WORKING INTEREST:				
	SEC. 035 S/2 NE/4, NW/4 SE/4, N/2 SW/4 (200.00 acres)		BR OIL & GAS CO		100.000000	87.500000	
	LOT 4 (48.580000 acres)		TOTAL		100.000000	100.000000	
RUSSELL E. AR T-028N R-005W		160.00		TRACT: 025			0.958711
	-----		ORRI:		0.000000	0.000000	-----
	SEC. 035 NW/4 (160.00 acres)		ROYALTY:		0.000000	12.500000	
			WORKING INTEREST:				
			BR OIL & GAS CO		100.000000	87.500000	
			TOTAL		100.000000	100.000000	

RECAPITULATION  
THE 027 EXPANDED PARTICIPATING AREA FOR MESAVERDE FORMATION  
SAN JUAN 28-5 UNIT AREA

DESCRIPTION OF COMMITTED LANDS IN PARTICIPATING AREA:

DESCRIPTION OF NON-COMMITTED LANDS IN PARTICIPATING AREA:

TOWNSHIP 028N, RANGE 005W

SEC. 007 S/2 S/2

LOT: 1 (30.820000 acres)

LOT: 2 (30.760000 acres)

LOT: 3 (30.720000 acres)

LOT: 4 (30.660000 acres)

SEC. 008 S/2 S/2

LOT: 1 (30.610000 acres)

LOT: 2 (30.680000 acres)

LOT: 3 (30.740000 acres)

LOT: 4 (30.810000 acres)

SEC. 009 SE/4 SE/4, SW/4 SW/4

LOT: 1 (30.600000 acres)

LOT: 2 (30.590000 acres)

SEC. 009 SE/4 SW/4, SW/4 SE/4

LOT: 3 (30.590000 acres)

LOT: 4 (30.580000 acres)

SEC. 010 S/2 S/2

LOT: 1 (30.370000 acres)

LOT: 2 (30.440000 acres)

LOT: 3 (30.500000 acres)

LOT: 4 (30.570000 acres)

SEC. 011 S/2 S/2

LOT: 1 (30.040000 acres)

LOT: 2 (30.130000 acres)

LOT: 3 (30.210000 acres)

LOT: 4 (30.300000 acres)

SEC. 013 NE/4 NW/4

LOT: 1 (51.490000 acres)

LOT: 2 (51.580000 acres)

LOT: 3 (51.680000 acres)

LOT: 4 (51.770000 acres)

SEC. 013 SW/4, W/2 NE/4, SE/4 NW/4, W/2 SE/4

SEC. 013 W/2 NW/4

SEC. 014 S/2

SEC. 014 N/2

SEC. 015 S/2 SW/4

SEC. 015 SE/4, N/2 SW/4

SEC. 015 N/2

SEC. 016 S/2

SEC. 016 N/2

SEC. 017 S/2

SEC. 017 N/2

SEC. 018 SE/4, E/2 SW/4, NW/4 SW/4

RECAPITULATION  
THE 027 EXPANDED PARTICIPATING AREA FOR MESAVERDE FORMATION  
SAN JUAN 28-5 UNIT AREA

DESCRIPTION OF COMMITTED LANDS IN PARTICIPATING AREA:

DESCRIPTION OF NON-COMMITTED LANDS IN PARTICIPATING AREA:

SEC. 018 SW/4 SW/4  
SEC. 018 N/2  
SEC. 019 SW/4  
SEC. 019 W/2 NW/4  
SEC. 019 SE/4, E/2 NW/4, NE/4  
SEC. 020 E/2  
SEC. 020 W/2  
SEC. 021 SW/4 SW/4  
SEC. 021 NE/4 NE/4  
SEC. 021 E/2 SW/4, NW/4 SW/4, SW/4 SE/4  
SEC. 021 SE/4 NE/4, N/2 SE/4, W/2 NE/4, SE/4 SE/4, NW/4  
SEC. 022 N/2 NW/4  
SEC. 022 NE/4, S/2 NW/4, S/2  
SEC. 023 ALL  
SEC. 024 NW/4 NE/4, N/2 NW/4  
LOT: 1 (51.890000 acres)  
SEC. 024 W/2 SE/4, S/2 NW/4, SW/4 NE/4, SW/4  
LOT: 2 (52.020000 acres)  
LOT: 3 (52.160000 acres)  
LOT: 4 (52.290000 acres)  
SEC. 025 W/2 NE/4, W/2 SW/4, NW/4, SW/4 SE/4  
LOT: 1 (52.340000 acres)  
LOT: 2 (52.300000 acres)  
LOT: 3 (52.260000 acres)  
LOT: 4 (52.220000 acres)  
SEC. 025 E/2 SW/4, NW/4 SE/4  
SEC. 026 ALL  
SEC. 027 ALL  
SEC. 028 NE/4 NW/4, N/2 NE/4, SW/4 NE/4  
SEC. 028 SE/4 NE/4, SE/4 NW/4, W/2 NW/4, S/2  
SEC. 029 ALL  
SEC. 030 NE/4, N/2 S/2  
SEC. 030 NW/4  
SEC. 030 S/2 S/2  
SEC. 031 N/2 S/2, N/2  
LOT: 1 (39.680000 acres)  
LOT: 2 (39.780000 acres)  
LOT: 3 (39.860000 acres)  
LOT: 4 (39.960000 acres)  
SEC. 032 N/2 S/2, N/2  
LOT: 1 (39.710000 acres)  
LOT: 2 (39.690000 acres)  
LOT: 3 (39.670000 acres)  
LOT: 4 (39.650000 acres)

THE 027 EXPANDED PARTICIPATING AREA FOR MESAVERDE FORMATION  
SAN JUAN 28-5 UNIT AREA

DESCRIPTION OF COMMITTED LANDS IN PARTICIPATING AREA:

DESCRIPTION OF NON-COMMITTED LANDS IN PARTICIPATING AREA:

SEC. 033 W/2 NE/4, E/2 NW/4  
SEC. 033 N/2 S/2, E/2 NE/4, W/2 NW/4  
LOT: 1 (43.260000 acres)  
LOT: 2 (42.200000 acres)  
LOT: 3 (41.120000 acres)  
LOT: 4 (40.070000 acres)  
LOT: 1 (47.480000 acres)  
SEC. 034 N/2 SW/4  
LOT: 3 (45.380000 acres)  
LOT: 4 (44.320000 acres)  
SEC. 034 N/2, N/2 SE/4  
LOT: 2 (46.420000 acres)  
SEC. 035 NW/4  
SEC. 035 S/2 NE/4, NW/4 SE/4, N/2 SW/4  
LOT: 4 (48.580000 acres)  
SEC. 035 NE/4 SE/4, N/2 NE/4  
LOT: 1 (52.100000 acres)  
LOT: 2 (50.920000 acres)  
LOT: 3 (49.760000 acres)  
SEC. 036 W/2 NE/4, NW/4  
LOT: 1 (52.280000 acres)  
LOT: 2 (52.460000 acres)

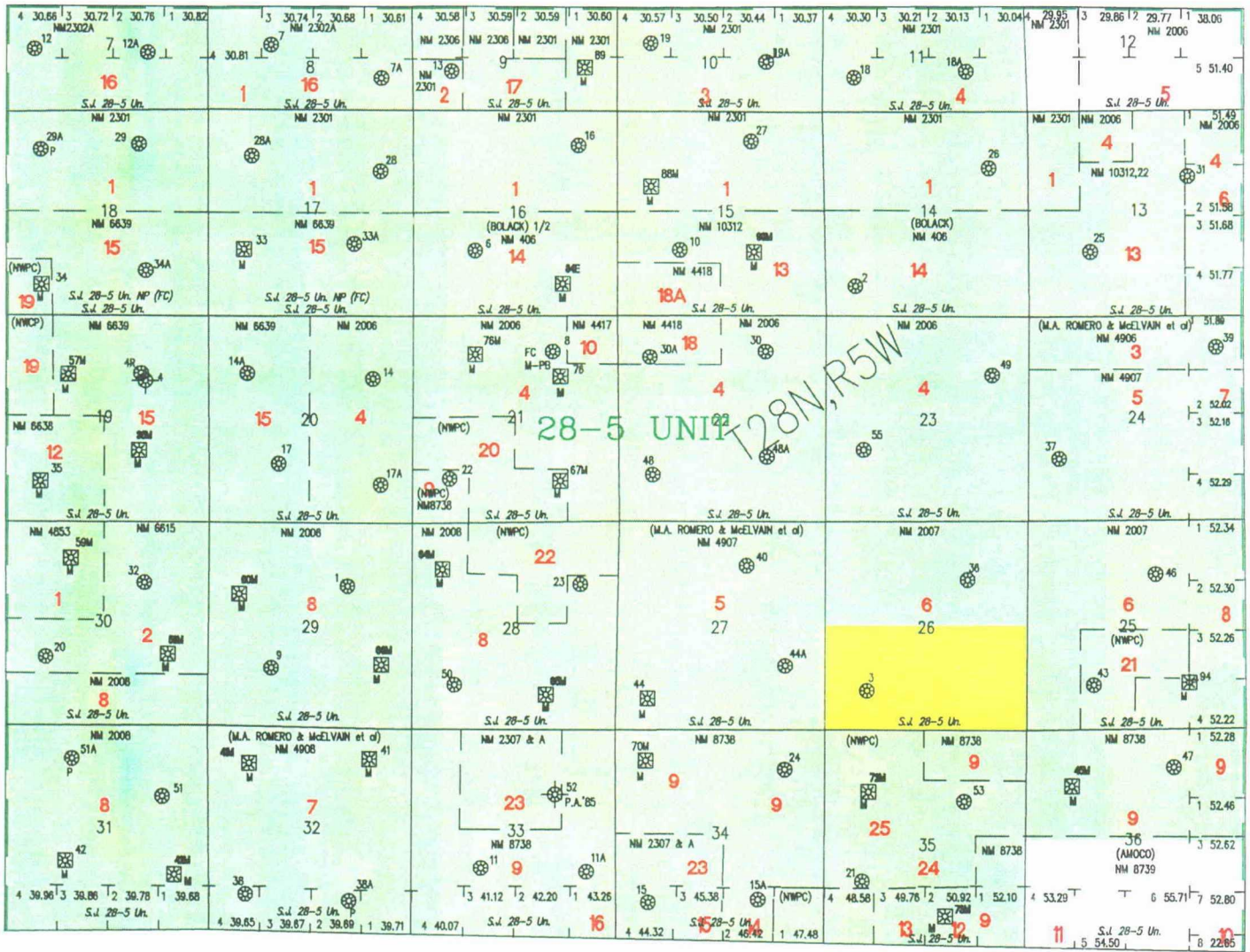
TOTAL ACRES COMMITTED: 16689.07

TOTAL ACRES NON-COMMITTED: 0.00

TOTAL NUMBER OF ACRES IN PARTICIPATING AREA: 16689.07

EFFECTIVE DATE: 08/01/95

# R5W



T  
28  
N

## SAN JUAN 28-5 UNIT

- ▲ FRUITLAND
- ★ PICTURED CLIFFS
- MESAVERDE
- DAKOTA
- MESAVERDE PARTICIPATING AREA  
26th Expansion Effective 8/1/61
- 27th Expansion Effective 8/1/95

**BURLINGTON RESOURCES  
OIL & GAS COMPANY**

LAND DEPARTMENT  
FEBRUARY 22, 1999

File

#553

# BURLINGTON RESOURCES

SAN JUAN DIVISION

November 5, 1998

Bureau of Land Management  
Farmington Resource Area  
Attn: Mr. Duane Spencer  
1235 La Plata Highway  
Farmington, NM 87401

State of New Mexico  
Oil Conservation Division  
Attn: Ms. Lori Wrotenbery  
2040 South Pacheco  
Santa Fe, NM 87505

RE: San Juan 28-5 Unit (#14-08-001-949)  
Commercial Determinations  
Mesaverde Formation  
Rio Arriba County, New Mexico

Gentlemen:

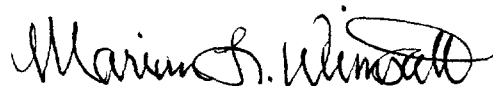
Pursuant to the provisions of Section 11(a) of the San Juan 28-5 Unit Agreement, #14-08-001-949, approved August 25, 1953, Burlington Resources Oil & Gas Company, as Operator, has determined that the well listed below is capable of producing unitized substances in paying quantities from the Mesaverde formation. Burlington is seeking confirmation of the paying well determination enclosed. An Economic Summary Sheet is also enclosed.

<u>BR's AIN #</u>	<u>Well Name &amp; Number</u>	<u>Well Dedication</u>	<u>Dedicated Lease</u>	<u>Completion Date</u>	<u>Commerciality Determination</u>
4950301	San Juan 28-5 Unit NP #3	S/2 26-28N-5W	NMSF-079520-A	08/01/95	Commercial

Upon receipt of response from the Bureau of Land Management and concurring response from the New Mexico Oil Conservation Division, the formal Participating Area Schedules will be prepared and submitted.

Copies of this letter are being sent to the working interest owners on the attached sheet. If you have any questions or need any additional information, please contact the undersigned at (505) 326-9860.

Very truly yours,



Marian L. Wimsatt, CPLTA  
Land Analyst

MLW:ll  
San Juan 28-5 Unit, 4.2  
cc: Linda Donohue

**SAN JUAN 28-5 UNIT WORKING INTEREST OWNERS**

Cross Timbers Oil Company

Bedrock Limited Partnership

Bolack Minerals Company

Burlington Resources Oil & Gas Company

Devon Energy Corporation

EJE Brown Company

Estate of Carl R. McElvain

Harold O. Pool Irrevocable Trust

James M. Raymond, Ind. & as Trustee for Corinne M. Gay & Maydell M. Mast

Langdon D. Harrison

MAR Oil & Gas Corporation, Inc.

Phillips Petroleum Company

Robert & Frances Tinnin Revoc. Trust

Robert P. Tinnin

Ruth Zimmerman Trust

NationsBank, N.A. for Katheen Quinn

T. H. McElvain Oil & Gas Limited Partnership

Thelma Pool Rev. Trust

Thomas & Mary Dugan

Vaughan-McElvain Energy, Inc.

Robert L. Bayless

Williams Production Company



**BURLINGTON RESOURCES  
 COMMERCIALITY DETERMINATION  
 BLM DATA SHEET**

9/ 2/98

**FOR LEASE: SAN JUAN 28-5 UNIT NP # 3**

**WELL INFORMATION:**

LOCATION 028N005W26M  
 COUNTY RIO ARRIBA  
 STATE NM  
 FORMATION BLANCO MESAVERDE (PRO)  
 OPERATOR BURLINGTON RESOURCES  
 SPUD DATE 11/24/53  
 COMP DATE 08/01/95  
 FIRST GAS 08/01/95  
 COMM GWI 100.00 MOI GWI 79.81  
 COMM NRI 87.50 MOI NRI 69.84

**PRODUCTION TAXES:**

TAXES FOR 1995	GAS % OF REVENUE	
SEVERANCE	NM	3.75 %
SCHOOL	NM	4.00 %
AD VALOREM	NM	1.21 %
CONSERVATION	NM	.18 %
PROD. EQUIP.	NM	.22 %
TOTAL		9.36 %

**PRESSURE DATA:**

DATE 8/30/56  
 WHSIP 1,042.00  
 BHSIP .00

**WELL COST DATA:**

AVERAGE WELL COST \$ 296.00 M  
 PAYOUT YEARS 3.81

**ESTIMATED GROSS ANNUAL PRODUCTION AND OPERATING EXPENSES:**

YEAR	ESTIMATED ANNUAL PRODUCTION			OPERATING EXPENSES		
	GAS (MMCF)	OIL (MBO)	WATER (MBW)	BASE (M\$)	WATER (M\$)	TOTAL (M\$)
1995	51.72	.08	.00	1.68	.00	1.68
1996	69.35	.29	.00	4.03	.00	4.03
1997	59.46	.31	.00	4.03	.00	4.03
1998	61.34	.33	.00	4.03	.00	4.03
1999	61.44	.32	.00	4.03	.00	4.03
2000	59.03	.30	.00	4.03	.00	4.03
2001	56.72	.29	.00	4.03	.00	4.03
2002	54.50	.28	.00	4.03	.00	4.03
2003	52.37	.27	.00	4.03	.00	4.03
2004	50.31	.26	.00	4.03	.00	4.03
2005	48.34	.25	.00	4.03	.00	4.03

**BURLINGTON RESOURCES  
 COMMERCIALITY DETERMINATION  
 BLM DATA SHEET**

9/2/98

**FOR LEASE: SAN JUAN 28-5 UNIT NP # 3**

**WELL INFORMATION:**

LOCATION 028N005W26M  
 COUNTY RIO ARRIBA  
 STATE NM  
 FORMATION BLANCO MESAVERDE (PRORAT  
 OPERATOR BURLINGTON RESOURCES  
 SPUD DATE 11/24/53  
 COMP DATE 8/1/95  
 FIRST GAS 8/1/95  
 COMM GWI 100.00 % MOI GWI 79.81 %  
 COMM NRI 87.50 % MOI NRI 69.84 %

**PRODUCTION TAXES:**

TAXES FOR 1995		GAS % OF REVENUE
SEVERANCE	NM	3.75 %
SCHOOL	NM	4.00 %
AD VALOREM	NM	1.21 %
CONSERVATION	NM	.18 %
PROD. EQUIP.	NM	<u>.22</u> %
TOTAL		9.36 %

**AVERAGE HEAT CONTENT**

1,202 MMBtu / Mcf

**WELL COST DATA:**

AVERAGE WELL COST \$ 296.00 M  
 PAYOUT YEARS 3.8

**AVERAGE PRODUCT PRICING**

PRICE/GAS \$/ MCF	YEAR
.90	12/95
1.34	12/96
1.96	12/97
1.49	TO LIFE

Dwights Discover CD-ROM  
Copyright 1998 Rockies

ID: R-955043-0 Original  
Run Date: 2-Sep-98

=====  
State : New Mexico NM Merid 28N - 5W - 26 ne sw sw

County: RIO ARRIBA Oper: EL PASO NATURAL GAS CO

Field : BLANCO MV Compl: 03/05/1954 D G GAS

=====  
Well: SAN JUAN 28-5 UNIT NP #3 Last Info: 07/26/1995

Ftg: 960 fsl 1160 fwl

Lat-Long by TDG: 36.627502 - 107.333038

Oper Address: PO Box 4289, Farmington NM 87499 - 505/325-2841

Obj: Permit #: 11/23/1953 API: 30-039-0729800

Elev: 6866KB

=====  
Spud: 11/23/1953

TD: 6058

=====  
Elev: 6866KB FORMATION TOPS (Type: L=Log S=Sample V=True Vertical)  
(Source: H=Dwights, I=IOG, T=Govt, S=Shell, U=USGS, R=NRIS  
M=Munger, N=NDGS, B=Boyd, G=GDS, X=Proprietary)

Formation	Depth	Elev	T/S	Formation	Depth	Elev	T/S
Kirtland	3234	3632	L S	Pictured Cliffs	3700	3166	L T
Fruitland	3500	3366	L S	Cliff House	5475	1391	L T
Pcd	3105	3761	L T	Menefee	5565	1301	L T
Fruitland	3500	3366	L T	Point Lookout	5900	966	L T

=====  
Notes :

<< Shell Records >>

Casing: 9 5/8 cmtd @ 162 w/125; 7 cmtd @ 5386 w/500; 2 @ 6022, set

PZone : 5386-6058 (Mesaverde )

IP : 404 MCF/24 hr. SICP 1005/60 day.

Journl: 10/28/53 Loc.

12/02/53 3464 Drlg.

12/09/53 4700 Drlg. DST 3555-3605; open 1 hr. Gas to surface 4 min.  
gauged 280 MCF; recovered 90 ft of gas cut mud. FP 240,  
SIP 875 after 30 min; HP 875: DST 3605-55 open 1 hr.  
Gas to surface 2 min; gauged 196 MCF; recovered 100 ft  
of Gas cut mud, FPO 240; SIP 975 after 30 min, HP 1900:  
DST 3655-3705 open 1 hr. Good blow air-died 45 min.,  
recovered 45 ft drlg mud; FPO, SIP 0/30 min.; HP 1900.  
DST 3705-3780 open 1 hr slight blow of air - died 1 hr;  
recovered 90 ft gas cut mud, FP 110-175; SIP 260/30  
min.; HP 1975.

12/22/53 5510 Drlg.

01/05/54 6058 Shut in. Shot 1465 at 5548-6058 ft. Ran Schlumberger.

<< State Records >>

Casing: 9-5/8 @ 102 W/125; 7 @ 5386 W/500; 2 @ 6022

Perfs : 5548-6058

Shot 1465 qts

IP : 404 MCFPD After 3 Hrs SICP 1005 PSI After 60 Days

Journl: Installed Intermitter

# BURLINGTON RESOURCES

SAN JUAN DIVISION

Bureau of Land Management  
Farmington Resource Area  
Attn: Mr. Duane Spencer  
1235 La Plata Highway  
Farmington, NM 87401

State of New Mexico  
Oil Conservation Division  
Attn: Ms. Lori Wrotenbery  
2040 South Pacheco  
Santa Fe, NM 87505

September 28, 1998

State of New Mexico  
Commissioner of Public Lands  
Attn: Mr. Pete Martinez  
P.O. Box 1148  
Santa Fe, NM 87504-1148

RE: San Juan 28-5 Unit (#14-08-001-0949)  
Commercial Determinations  
Fruitland Coal Formation  
Rio Arriba County, New Mexico

Gentlemen:

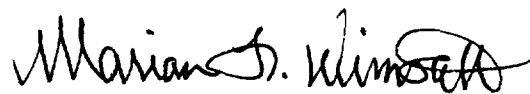
Pursuant to the provisions of Section 11(a) of the San Juan 28-5 Unit Agreement, #14-08-001-0949, approved, August 25, 1953, Burlington Resources Oil & Gas Company, as Operator, has determined that the wells listed below are not capable of producing unitized substances in paying quantities from the Fruitland Coal Formation. Burlington is seeking confirmation of the paying well determination enclosed.

<u>BR's DP No.</u>	<u>Well Name &amp; Number</u>	<u>Well Dedication</u>	<u>Dedicated Lease</u>	<u>Completion Date</u>	<u>Commerciality Determination</u>
41389A	San Juan 28-5 Unit #211	S/2 13-28N-5W	NMSF-080516-B	08/26/94	Non-Commercial
39959B	San Juan 28-5 Unit #212	S/2 15-28N-5W	NMSF-080516-B	10/08/94	Non-Commercial
41388A	San Juan 28-5 Unit #230	N/2 25-28N-5W	NMSF-079520-A	10/11/94	Non-Commercial
41415A	San Juan 28-5 Unit #235	S/2 28-28N-5W	NMSF-079521-A	10/13/94	Non-Commercial
41404A	San Juan 28-5 Unit #236	S/2 26-28N-5W	NMSF-079520-A	10/18/94	Non-Commercial
41535A	San Juan 28-5 Unit #240	N/2 32-28N-5W	NMSF-079521	10/18/94	Non-Commercial
41537A	San Juan 28-5 Unit #242	S/2 12-28N-5W	NMSF-079250	08/19/94	Non-Commercial
59425A	San Juan 28-5 Unit #245	N/2 22-28N-5W	NMSF-079519-A	10/25/95	Non-Commercial

Upon receipt of response from the Bureau of Land Management and concurring responses from the Commissioner of Public Lands and New Mexico Oil Conservation Division, the well will be carried as non-commercial on a lease basis.

Copies of this letter are being sent to the working interest owners on the attached sheet. If you have any questions or need any additional information, please contact the undersigned at (505) 326-9860.

Very truly yours,



Marian L. Wimsatt, CPLTA  
Land Analyst

MLW:ll

San Juan 28-5 Unit, 4.5

cc: Linda Donohue

**BURLINGTON RESOURCES  
 COMMERCIALITY DETERMINATION  
 BLM DATA SHEET**

9/ 2/98

**FOR LEASE: SAN JUAN 28-5 UNIT # 211**

**WELL INFORMATION:**

LOCATION 028N005W13K  
 COUNTY RIO ARRIBA  
 STATE NM  
 FORMATION BASIN (FRUITLAND COAL)  
 OPERATOR BURLINGTON RESOURCES  
 SPUD DATE 7/ 2/94  
 COMP DATE 8/26/94  
 FIRST GAS 1/31/95  
 COMM GWI 100.00 MOI GWI 95.86  
 COMM NRI 87.50 MOI NRI 83.88

**PRODUCTION TAXES:**

TAXES FOR 1995	GAS % OF REVENUE	
SEVERANCE	NM	3.75 %
SCHOOL	NM	4.00 %
AD VALOREM	NM	1.21 %
CONSERVATION	NM	.18 %
PROD. EQUIP.	NM	<u>.22</u> %
TOTAL		9.36 %

**PRESSURE DATA:**

DATE  
 WHSIP .00  
 BHSIP .00

**WELL COST DATA:**

AVERAGE WELL COST \$ 179.00 M  
 PAYOUT YEARS .75

**ESTIMATED GROSS ANNUAL PRODUCTION AND OPERATING EXPENSES:**

YEAR	ESTIMATED ANNUAL PRODUCTION			OPERATING EXPENSES		
	GAS (MMCF)	OIL (MBO)	WATER (MBW)	BASE (M\$)	WATER (M\$)	TOTAL (M\$)
1995	2.32	.00	.00	2.95	.00	2.95

**BURLINGTON RESOURCES  
 COMMERCIALITY DETERMINATION  
 BLM DATA SHEET**

9/ 2/98

**FOR LEASE: SAN JUAN 28-5 UNIT**

**# 211**

**WELL INFORMATION:**

LOCATION 028N005W13K  
 COUNTY RIO ARRIBA  
 STATE NM  
 FORMATION BASIN (FRUITLAND COAL)  
 OPERATOR BURLINGTON RESOURCES  
 SPUD DATE 7/ 2/94  
 COMP DATE 8/26/94  
 FIRST GAS 1/31/95  
 COMM GWI 100.00 % MOI GWI 95.86 %  
 COMM NRI 87.50 % MOI NRI 83.88 %

**PRODUCTION TAXES:**

TAXES FOR 1995		GAS % OF REVENUE
SEVERANCE	NM	3.75 %
SCHOOL	NM	4.00 %
AD VALOREM	NM	1.21 %
CONSERVATION	NM	.18 %
PROD. EQUIP.	NM	.22 %
TOTAL		9.36 %

**AVERAGE HEAT CONTENT**

1,155 MMBtu / Mcf

**WELL COST DATA:**

AVERAGE WELL COST \$ 179.00 M  
 PAYOUT YEARS 0.7

**AVERAGE PRODUCT PRICING**

PRICE/GAS \$/ MCF	YEAR
1.31	12/94
.95	12/95
1.57	12/96
2.03	12/97
1.61	TO LIFE

Dwights Discover CD-ROM  
Copyright 1998 Rockies

ID: R-174701-0 Original  
Run Date: 2-Sep-98

=====  
State : New Mexico NM Merid 28N - 5W - 13 sw ne sw

County: RIO ARRIBA Oper: MERIDIAN OIL INC

Field : BASIN FRT COAL/BLANCO SOUTH PC Compl: 08/26/1994 D G M&G

=====  
Well: SAN JUAN 28-5 UNIT #211 Last Info: 10/10/1994

Ftg: 1715 fsl 1545 fwl

Lat-Long by TDG: 36.658478 - 107.313751

Oper Address: 5613 DTC Pky #1000 POB 3209, Englewood CO 80155 - 303/930-9344

Obj: 4665 Pictured Cliffs Permit #: Coal 11/29/1993 API: 30-039-2536200

Elev: 7531GR

=====  
Spud: 07/02/1994

TD: 4665

PB: 4590

=====  
Notes : (Also permitted for methane gas)

Casing: 8 5/8 @ 547 w/385  
4 1/2 @ 4635 w/911

Core : None reported

DST : None rptd

Logs : GR @ 0-4578.

Tubing: 2 3/8 @ 4552

Perfs : 4481-4534 (Pictured Cliffs )

- no treatment rptd

4362-4458 (Fruitland coal )

- no treatment rptd

PZone :

(DUAL )

4362-4458 (Fruitland coal )

4481-4534 (Pictured Cliffs )

IP : (Fruitland coal 4362-4458) 77 MCFGPD; SICP 1286

(Pictured Cliffs 4481-4534) F 539 MCFGPD; SICP 1035

Journl: 7/22/94 spudded.

8/24/94 WO completion.

9/12/94 added log details per sundry.

10/10/94 completed methane and gas well, SI.

**BURLINGTON RESOURCES  
 COMMERCIALITY DETERMINATION  
 BLM DATA SHEET**

9/ 2/98

**FOR LEASE: SAN JUAN 28-5 UNIT # 212**

**WELL INFORMATION:**

LOCATION 028N005W15L  
 COUNTY RIO ARRIBA  
 STATE NM  
 FORMATION BASIN (FRUITLAND COAL)  
 OPERATOR BURLINGTON RESOURCES  
 SPUD DATE 5/21/94  
 COMP DATE 10/ 8/94  
 FIRST GAS 12/31/94  
 COMM GWI 100.00 MOI GWI 100.00  
 COMM NRI 87.50 MOI NRI 87.50

**PRODUCTION TAXES:**

TAXES FOR 1995	GAS % OF REVENUE	
SEVERANCE	NM	3.75 %
SCHOOL	NM	4.00 %
AD VALOREM	NM	1.21 %
CONSERVATION	NM	.18 %
PROD. EQUIP.	NM	.22 %
TOTAL		9.36 %

**PRESSURE DATA:**

DATE  
 WHSIP .00  
 BHSIP .00

**WELL COST DATA:**

AVERAGE WELL COST \$ 179.00 M  
 PAYOUT YEARS 3.25

**ESTIMATED GROSS ANNUAL PRODUCTION AND OPERATING EXPENSES:**

YEAR	ESTIMATED ANNUAL PRODUCTION			OPERATING EXPENSES		
	GAS (MMCF)	OIL (MBO)	WATER (MBW)	BASE (M\$)	WATER (M\$)	TOTAL (M\$)
1995	9.33	.00	.00	3.36	.00	3.36
1996	10.68	.00	.00	4.03	.00	4.03
1997	2.97	.00	.00	4.03	.00	4.03
1998	4.94	.00	.00	1.01	.00	1.01



**BURLINGTON RESOURCES  
 COMMERCIALITY DETERMINATION  
 BLM DATA SHEET**

9/2/98

**FOR LEASE: SAN JUAN 28-5 UNIT # 212**

**WELL INFORMATION:**

LOCATION 028N005W15L  
 COUNTY RIO ARRIBA  
 STATE NM  
 FORMATION BASIN (FRUITLAND COAL)  
 OPERATOR BURLINGTON RESOURCES  
 SPUD DATE 5/21/94  
 COMP DATE 10/8/94  
 FIRST GAS 12/31/94  
 COMM GWI 100.00 % MOI GWI 100.00 %  
 COMM NRI 87.50 % MOI NRI 87.50 %

**PRODUCTION TAXES:**

TAXES FOR	1995		GAS % OF <u>REVENUE</u>
SEVERANCE	NM	3.75	%
SCHOOL	NM	4.00	%
AD VALOREM	NM	1.21	%
CONSERVATION	NM	.18	%
PROD. EQUIP.	NM	<u>.22</u>	%
TOTAL		9.36	%

**AVERAGE HEAT CONTENT**

1,175 MMBtu / Mcf

**WELL COST DATA:**

AVERAGE WELL COST \$ 179.00 M  
 PAYOUT YEARS 3.2

**AVERAGE PRODUCT PRICING**

PRICE/GAS \$/ MCF	YEAR
1.31	12/94
.95	12/95
1.57	12/96
2.03	12/97
1.61	TO LIFE

Dwights Discover CD-ROM ID: R-175292-0 Original  
Copyright 1998 Rockies Run Date: 2-Sep-98

=====  
State : New Mexico NM Merid 28N - 5W - 15 se nw sw

County: RIO ARRIBA Oper: MERIDIAN OIL INC

Field : BASIN FRT COAL/BLANCO SOUTH PC Compl: 10/08/1994 D G M&G

=====  
Well: SAN JUAN 28-5 UNIT #212 Last Info: 02/20/1995

Ftg: 1850 fsl 985 fwl  
Lat-Long by TDG: 36.659012 - 107.351700  
Oper Address: 5613 DTC Pky #1000 POB 3209, Englewood CO 80155 - 303/930-9344  
Obj: 3700 Pictured Cliffs Permit #: Coal 02/02/1994 API: 30-039-2536900  
Elev: 6632KB

=====  
Spud: 05/21/1994  
TI: 3700 on 06/13/1994

=====  
Elev: 6632KB FORMATION TOPS (Type: L=Log S=Sample V=True Vertical)  
(Source: H=Dwights,I=IOG,T=Govt,S=Shell,U=USGS,R=NRIS  
M=Munger,N=NDGS,B=Boyd,G=GDS,X=Proprietary)

Formation	Depth	Elev	T/S	Formation	Depth	Elev	T/S
Ojo Alamo	2924	3708	L H	Fruitland	3135	3497	L H
Kirtland	3023	3609	L H	Pictured Cliffs	3534	3098	L H

=====  
Casing: 8 5/8 @ 225 w/205  
4 1/2 @ 3700 w/850

Mud : 8.9# @ 3700  
Core : None

Logs : 05/27/94 Schlumberger AIT GR @ 224-3680.  
05/28/94 Schlumberger CNL LDT ML @ 2800-3699.  
06/13/94 Basin GR @ 90-3642.

Tubing: 2 3/8 @ 3532  
Perfs : 3536-3592 (Pictured Cliffs )  
- frac w/157000# 20/40 sd 52376 gal 30# x-link gel  
3348-3522 (Fruitland coal )  
- acid w/25000 gal HCl

Pzone :  
(DUAL )  
3348-3522 (Fruitland coal )  
3536-3592 (Pictured Cliffs )

IP : (Fruitland coal 3348-3522) F 228 MCFGPD; SITP 940, SICIP 940  
(Pictured Cliffs 3536-3592) F 38 MCFGPD; SITP 940, SICIP 940

Journal: 6/6/94 surf csg set May 21.  
6/13/94 added additional csg.  
8/14/94 added log details.  
11/17/94 log details added.  
11/29/94 completed, have not filed completion rpt.  
12/14/94 completed methane & gas well, SI.

**BURLINGTON RESOURCES  
 COMMERCIALITY DETERMINATION  
 BLM DATA SHEET**

9/2/98

**FOR LEASE: SAN JUAN 28-5 UNIT # 230**

**WELL INFORMATION:**

LOCATION 028N005W25B  
 COUNTY RIO ARRIBA  
 STATE NM  
 FORMATION BASIN (FRUITLAND COAL)  
 OPERATOR BURLINGTON RESOURCES  
 SPUD DATE 5/30/94  
 COMP DATE 10/11/94  
 FIRST GAS 1/31/95  
 COMM GWI 100.00 MOI GWI 86.27  
 COMM NRI 87.50 MOI NRI 75.48

**PRODUCTION TAXES:**

TAXES FOR 1995		GAS % OF REVENUE	
SEVERANCE	NM	3.75	%
SCHOOL	NM	4.00	%
AD VALOREM	NM	1.21	%
CONSERVATION	NM	.18	%
PROD. EQUIP.	NM	.22	%
TOTAL		9.36	%

**PRESSURE DATA:**

DATE  
 WHSIP .00  
 BHSIP .00

**WELL COST DATA:**

AVERAGE WELL COST \$ 179.00 M  
 PAYOUT YEARS 1.17

**ESTIMATED GROSS ANNUAL PRODUCTION AND OPERATING EXPENSES:**

YEAR	ESTIMATED ANNUAL PRODUCTION			OPERATING EXPENSES		
	GAS (MMCF)	OIL (MBO)	WATER (MBW)	BASE (M\$)	WATER (M\$)	TOTAL (M\$)
1995	1.55	.00	.00	3.03	.00	3.03

**BURLINGTON RESOURCES  
 COMMERCIALITY DETERMINATION  
 BLM DATA SHEET**

9/ 2/98

**FOR LEASE: SAN JUAN 28-5 UNIT**

**# 230**

**WELL INFORMATION:**

LOCATION 028N005W25B  
 CCUNTY RIO ARRIBA  
 STATE NM  
 FORMATION BASIN (FRUITLAND COAL)  
 OPERATOR BURLINGTON RESOURCES  
 SPUD DATE 5/30/94  
 COMP DATE 10/11/94  
 FIRST GAS 1/31/95  
 COMM GWI 100.00 % MOI GWI 86.27 %  
 COMM NRI 87.50 % MOI NRI 75.48 %

**PRODUCTION TAXES:**

TAXES FOR 1995		GAS % OF <u>REVENUE</u>
SEVERANCE	NM	3.75 %
SCHOOL	NM	4.00 %
AD VALOREM	NM	1.21 %
CONSERVATION	NM	.18 %
PROD. EQUIP.	NM	<u>.22</u> %
TOTAL		9.36 %

**AVERAGE HEAT CONTENT**

1,179 MMBtu / Mcf

**WELL COST DATA:**

AVERAGE WELL COST \$ 179.00 M  
 PAYOUT YEARS 1.1

**AVERAGE PRODUCT PRICING**

PRICE/GAS \$/ MCF	YEAR
1.31	12/94
.95	12/95
1.57	12/96
2.03	12/97
1.61	TO LIFE

Dwights Discover CD-ROM  
Copyright 1998 Rockies

ID: R-174082-0 Original  
Run Date: 2-Sep-98

=====  
State : New Mexico NM Merid 28N - 5W - 25 sw nw ne

County: RIO ARRIBA Oper: MERIDIAN OIL INC

Field : BASIN FRT COAL/BLANCO SOUTH PC Compl: 10/11/1994 D G M&G

=====  
Well: SAN JUAN 28-5 UNIT #230 Last Info: 12/21/1994

Ftg: 1290 fnl 2314 fel

Lat-Long by TDG: 36.635727 - 107.307709

Oper Address: 5613 DTC Pky #1000 POB 3209, Englewood CO 80155 - 303/930-9344

Obj: 3940 Pictured Cliffs Permit #: 09/29/1993 API: 30-039-2536400

Elev: 6787KB

=====  
Spud: 05/30/1994

TD: 3940 on 06/07/1994

=====  
Elev: 6787KB FORMATION TOPS (Type: L=Log S=Sample V=True Vertical)  
(Source: H=Dwights, I=IOG, T=Govt, S=Shell, U=USGS, R=NRIS  
M=Munger, N=NDGS, B=Boyd, G=GDS, X=Proprietary)

Formation	Depth	Elev	T/S	Formation	Depth	Elev	T/S
Ojo Alamo	3053	3734	L H	Fruitland	3363	3424	L H
Kirtland	3224	3563	L H	Pictured Cliffs	3707	3080	L H

=====  
Notes :

Casing: 8 5/8 @ 641 w/460  
4 1/2 @ 3940 w/574

Mud : 9.3# @ 3940

Core : None

DST : None rptd

Logs : 06/05/94 Schlumberger PHIL @ 640-3937, ML @ 2900-3914, CNL LDT @  
2900-3940.

Tubing: 2 3/8 @ 3867

Perfs : 3712-3844 (Pictured Cliffs )  
- frac w/150000# 20/40 Arizona sd 50852 gal 30# x-link gel  
3564-3685 (Fruitland coal )  
- frac w/117000# 20/40 Arizona sd 17272 gal 30# gel 832000 SCF N2

PZone :

(COMMINGLED )  
3564-3685 (Fruitland coal )  
3712-3844 (Pictured Cliffs )

IF : (Fruitland/Pictured Cliff 3564-3844) 740 MCFGPD; SICP 740

Jcurnl: 6/13/94 spudded.

6/29/94 set prod csg June 7.

10/26/94 added log details.

11/29/94 completed, have not filed completion rpt.

12/20/94 completed methane & gas well, SI, no further details rptd.

12/21/94 completed methane & gas well.

**BURLINGTON RESOURCES  
 COMMERCIALITY DETERMINATION  
 BLM DATA SHEET**

9/25/98

**FOR LEASE: SAN JUAN 28-5 UNIT # 235**

**WELL INFORMATION:**

LOCATION 028N005W28K  
 COUNTY RIO ARRIBA  
 STATE NM  
 FORMATION BASIN (FRUITLAND COAL)  
 OPERATOR BURLINGTON RESOURCES  
 SPJD DATE 8/14/94  
 COMP DATE 10/13/94  
 FIRST GAS 3/31/95  
 COMM GWI 100.00 MOI GWI 86.27  
 COMM NRI 87.50 MOI NRI 75.48

**PRODUCTION TAXES:**

TAXES FOR 1995	GAS % OF REVENUE	
SEVERANCE	NM	3.75 %
SCHOOL	NM	4.00 %
AD VALOREM	NM	1.21 %
CONSERVATION	NM	.18 %
PROD. EQUIP.	NM	.22 %
TOTAL		9.36 %

**PRESSURE DATA:**

DATE  
 WHSIP .00  
 BHSIP .00

**WELL COST DATA:**

AVERAGE WELL COST \$ 179.00 M  
 PAYOUT YEARS 12.00

**ESTIMATED GROSS ANNUAL PRODUCTION AND OPERATING EXPENSES:**

YEAR	ESTIMATED ANNUAL PRODUCTION			OPERATING EXPENSES		
	GAS (MMCF)	OIL (MBO)	WATER (MBW)	BASE (M\$)	WATER (M\$)	TOTAL (M\$)
1995	24.52	.00	.00	2.69	.00	2.69
1996	14.22	.00	.00	4.03	.00	4.03
1997	13.98	.00	.00	4.03	.00	4.03
1998	12.13	.00	.00	4.03	.00	4.03
1999	8.96	.00	.00	4.03	.00	4.03
2000	7.51	.00	.00	4.03	.00	4.03
2001	6.46	.00	.00	4.03	.00	4.03
2002	5.67	.00	.00	4.03	.00	4.03
2003	5.05	.00	.00	4.03	.00	4.03
2004	4.55	.00	.00	4.03	.00	4.03
2005	4.14	.00	.00	4.03	.00	4.03

**BURLINGTON RESOURCES  
 COMMERCIALITY DETERMINATION  
 BLM DATA SHEET**

9/25/98

**FOR LEASE: SAN JUAN 28-5 UNIT # 235**

**WELL INFORMATION:**

LOCATION 028N005W28K  
 COUNTY RIO ARRIBA  
 STATE NM  
 FORMATION BASIN (FRUITLAND COAL)  
 OPERATOR BURLINGTON RESOURCES  
 SPUD DATE 8/14/94  
 COMP DATE 10/13/94  
 FIRST GAS 3/31/95  
 COMM GWI 100.00 % MOI GWI 86.27 %  
 COMM NRI 87.50 % MOI NRI 75.48 %

**PRODUCTION TAXES:**

TAXES FOR 1995		GAS % OF <u>REVENUE</u>
SEVERANCE	NM	3.75 %
SCHOOL	NM	4.00 %
AD VALOREM	NM	1.21 %
CONSERVATION	NM	.18 %
PROD. EQUIP.	NM	<u>.22</u> %
TOTAL		9.36 %

**AVERAGE HEAT CONTENT**

1,147 MMBtu / Mcf

**WELL COST DATA:**

AVERAGE WELL COST \$ 179.00 M  
 PAYOUT YEARS 12.0

**AVERAGE PRODUCT PRICING**

PRICE/GAS \$ / MCF	YEAR
.90	12/95
1.34	12/96
1.96	12/97
1.49	TO LIFE

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ID: R-176582-0 Original  
Run Date: 2-Sep-98

=====  
State : New Mexico NM Merid 28N - 5W - 28 sw ne sw

County: RIO ARRIBA Oper: MERIDIAN OIL INC

Field : BASIN FRT COAL/BLANCO SOUTH PC Compl: 10/13/1994 D G M&G

=====  
Well: SAN JUAN 28-5 UNIT #235 Last Info: 02/20/1995

Ftg: 1850 fsl 1850 fwl

Lat-Long by TDG: 36.629913 - 107.366760

Oper Address: 5613 DTC Pky #1000 POB 3209, Englewood CO 80155 - 303/930-9344

Obj: 3630 Pictured Cliffs Permit #: Coal 05/24/1994 API: 30-039-2542700  
Elev: 6588GR

=====  
Spud: 08/14/1994

TD: 3630 on 08/17/1994

=====  
Elev: 6588GR FORMATION TOPS (Type: L=Log S=Sample V=True Vertical)  
(Source: H=Dwights, I=IOG, T=Govt, S=Shell, U=USGS, R=NRIS  
M=Munger, N=NDGS, B=Boyd, G=GDS, X=Proprietary)

Formation	Depth	Elev	T/S	Formation	Depth	Elev	T/S
Ojo Alamo	2755	3833	L H	Fruitland	3090	3498	L H
Kirtland	2870	3718	L H	Pictured Cliffs	3415	3173	L H

=====  
Casing: 8 5/8 @ 538 w/525

4 1/2 @ 3629 w/803

Core : None

DST : None rptd

Logs : IL GR SP CNL LDT CAL.

Tubing: 2 3/8 @ 3500

Perfs : 3432-3494 (Pictured Cliffs )

- frac w/270000# 20/40 sd 51954 gal 30# x-link gel

3346-3406 (Fruitland coal )

- frac w/120000# 20/40 sd 12264 gal 30# x-link gel 640000 SCF N2

PZone :

(DUAL )

3346-3406 (Fruitland coal )

3432-3494 (Pictured Cliffs )

IP : (Fruitland coal 3346-3406) F 687 MCFGPD; SITP 905, SICP 935

(Pictured Cliffs 3432-3494) F 276 MCFGPD; SITP 905, SICP 935

Journal: 8/31/94 set surf csg as of Aug 14.

9/12/94 set prod csg Aug 18 per sundry.

11/29/94 completed, no further details available.

12/14/94 completed methane & gas well, SI.



**BURLINGTON RESOURCES  
 COMMERCIALITY DETERMINATION  
 BLM DATA SHEET**

9/2/98

**FOR LEASE: SAN JUAN 28-5 UNIT # 236**

**WELL INFORMATION:**

LOCATION 028N005W26M  
 COUNTY RIO ARRIBA  
 STATE NM  
 FORMATION BASIN (FRUITLAND COAL)  
 OPERATOR BURLINGTON RESOURCES  
 SPUD DATE 6/8/94  
 COMP DATE 10/18/94  
 FIRST GAS 1/31/95  
 COMM GWI 100.00      MOI GWI 86.27  
 COMM NRI 87.50      MOI NRI 75.48

**PRODUCTION TAXES:**

TAXES FOR 1995	GAS % OF REVENUE	
SEVERANCE	NM	3.75 %
SCHOOL	NM	4.00 %
AD VALOREM	NM	1.21 %
CONSERVATION	NM	.18 %
PROD. EQUIP.	NM	.22 %
TOTAL		9.36 %

**PRESSURE DATA:**

DATE  
 WHSIP .00  
 BHSIP .00

**WELL COST DATA:**

AVERAGE WELL COST \$ 179.00 M  
 PAYOUT YEARS 4.25

**ESTIMATED GROSS ANNUAL PRODUCTION AND OPERATING EXPENSES:**

YEAR	ESTIMATED ANNUAL PRODUCTION			OPERATING EXPENSES		
	GAS (MMCF)	OIL (MBO)	WATER (MBW)	BASE (M\$)	WATER (M\$)	TOTAL (M\$)
1995	2.48	.00	.00	3.03	.00	3.03
1996	2.81	.00	.00	4.03	.00	4.03
1997	3.97	.00	.00	4.03	.00	4.03
1998	2.38	.00	.00	4.03	.00	4.03
1999	.93	.00	.00	1.01	.00	1.01

**BURLINGTON RESOURCES  
 COMMERCIALITY DETERMINATION  
 BLM DATA SHEET**

9/2/98

**FOR LEASE: SAN JUAN 28-5 UNIT**

**# 236**

**WELL INFORMATION:**

**PRODUCTION TAXES:**

LOCATION 028N005W26M  
 COUNTY RIO ARRIBA  
 STATE NM  
 FORMATION BASIN (FRUITLAND COAL)  
 OPERATOR BURLINGTON RESOURCES  
 SPUD DATE 6/8/94  
 COMP DATE 10/18/94  
 FIRST GAS 1/31/95  
 COMM GWI 100.00 % MOI GWI 86.27 %  
 COMM NRI 87.50 % MOI NRI 75.48 %

TAXES FOR 1995		GAS % OF <u>REVENUE</u>
SEVERANCE	NM	3.75 %
SCHOOL	NM	4.00 %
AD VALOREM	NM	1.21 %
CONSERVATION	NM	.18 %
PROD. EQUIP.	NM	<u>.22</u> %
TOTAL		9.36 %

**AVERAGE HEAT CONTENT**

**WELL COST DATA:**

1,202 MMBtu / Mcf

AVERAGE WELL COST \$ 179.00 M  
 PAYOUT YEARS 4.2

**AVERAGE PRODUCT PRICING**

PRICE/GAS \$/MCF	YEAR
1.31	12/94
.95	12/95
1.57	12/96
2.03	12/97
1.61	TO LIFE

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ID: R-411422-0 Original  
Run Date: 2-Sep-98

=====  
State : New Mexico NM Merid 28N - 5W - 26 se sw sw

County: RIO ARRIBA Oper: MERIDIAN OIL INC

Field : BASIN FRT COAL/BLANCO SOUTH PC Compl: 10/18/1994 D G M&G

=====  
Well: SAN JUAN 28-5 UNIT #236 Last Info: 02/20/1995

Ftg: 285 fsl 955 fwl

Lat-Long by TDG: 36.625656 - 107.333740

Oper Address: 5613 DTC Pky #1000 POB 3209, Englewood CO 80155 - 303/930-9344

Obj: 3740 Pictured Cliffs Permit #: Coal 04/14/1993 API: 30-039-2536500  
Elev: 6728GR

=====  
Spud: 06/08/1994

TD: 3754 on 06/14/1994

=====  
Elev: 6728GR FORMATION TOPS (Type: L=Log S=Sample V=True Vertical)  
(Source: H=Dwights, I=IOG, T=Govt, S=Shell, U=USGS, R=NRIS  
M=Munger, N=NDGS, B=Boyd, G=GDS, X=Proprietary)

Formation	Depth	Elev	T/S	Formation	Depth	Elev	T/S
Ojo Alamo	2975	3753	L H	Fruitland	3320	3408	L H
Kirtland	3107	3621	L H	Pictured Cliffs	3593	3135	L H

=====  
Notes :

Casing: 8 5/8 @ 509 w/460  
4 1/2 @ 3750 w/547

Core : None

DST : None rptd

Logs : 06/13/94 Schlumberger AIT GR @ 509-3735, CNL LDT ML @ 2650-3741.

Tubing: 2 3/8 @ 3675

Perfs : 3594-3690 (Pictured Cliffs )  
- frac w/159500# 20/40 Ariz sd 43764 gal 30# x-link gel  
3443-3567 (Fruitland coal )  
- acid w/21000 gal HCl

PZone :

(DUAL )  
3443-3567 (Fruitland coal )  
3594-3690 (Pictured Cliffs )

IP : (Fruitland coal 3443-3567) F 150 MCFGPD; SITP 850, SICP 920

(Pictured Cliffs 3594-3690) F 40 MCFGPD; SITP 850, SICP 920

LocCom: 10/19/93 (obj chngd from 2500 Pictured Cliffs) per BLM application.

11/2/93 still plan to drill.

Journl: 6/29/94 drld to 3754 as of June 14.

11/29/94 completed, have not filed completion rpt.

12/14/94 completed methane & gas well, SI.

1/18/95 log details added.

**BURLINGTON RESOURCES  
 COMMERCIALITY DETERMINATION  
 BLM DATA SHEET**

9/ 2/98

**FOR LEASE: SAN JUAN 28-5 UNIT # 240**

**WELL INFORMATION:**

LOCATION 028N005W32H  
 COUNTY RIO ARRIBA  
 STATE NM  
 FORMATION BASIN (FRUITLAND COAL)  
 OPERATOR BURLINGTON RESOURCES  
 SPUD DATE 6/14/94  
 COMP DATE 10/18/94  
 FIRST GAS 1/31/95  
 COMM GWI 100.00 MOI GWI 88.84  
 COMM NRI 87.50 MOI NRI 74.85

**PRODUCTION TAXES:**

TAXES FOR 1995		GAS % OF REVENUE
SEVERANCE	NM	3.75 %
SCHOOL	NM	4.00 %
AD VALOREM	NM	1.21 %
CONSERVATION	NM	.18 %
PROD. EQUIP.	NM	<u>.22</u> %
TOTAL		9.36 %

**PRESSURE DATA:**

DATE  
 WHSIP .00  
 BHSIP .00

**WELL COST DATA:**

AVERAGE WELL COST \$ 179.00 M  
 PAYOUT YEARS 2.42

**ESTIMATED GROSS ANNUAL PRODUCTION AND OPERATING EXPENSES:**

YEAR	ESTIMATED ANNUAL PRODUCTION			OPERATING EXPENSES		
	GAS (MMCF)	OIL (MBO)	WATER (MBW)	BASE (M\$)	WATER (M\$)	TOTAL (M\$)
1995	3.16	.00	.00	3.03	.00	3.03
1996	2.47	.00	.00	4.03	.00	4.03
1997	1.96	.00	.00	1.68	.00	1.68

**BURLINGTON RESOURCES  
 COMMERCIALITY DETERMINATION  
 BLM DATA SHEET**

9/ 2/98

**FOR LEASE: SAN JUAN 28-5 UNIT # 240**

**WELL INFORMATION:**

LOCATION 028N005W32H  
 COUNTY RIO ARRIBA  
 STATE NM  
 FORMATION BASIN (FRUITLAND COAL)  
 OPERATOR BURLINGTON RESOURCES  
 SPUD DATE 6/14/94  
 COMP DATE 10/18/94  
 FIRST GAS 1/31/95  
 COMM GWI 100.00 % MOI GWI 88.84 %  
 COMM NRI 87.50 % MOI NRI 74.85 %

**PRODUCTION TAXES:**

TAXES FOR 1995		<u>GAS % OF REVENUE</u>
SEVERANCE	NM	3.75 %
SCHOOL	NM	4.00 %
AD VALOREM	NM	1.21 %
CONSERVATION	NM	.18 %
PROD. EQUIP.	NM	<u>.22</u> %
TOTAL		9.36 %

**AVERAGE HEAT CONTENT**

1,148 MMBtu / Mcf

**WELL COST DATA:**

AVERAGE WELL COST \$ 179.00 M  
 PAYOUT YEARS 2.4

**AVERAGE PRODUCT PRICING**

PRICE/GAS \$ / MCF	YEAR
1.31	12/94
.95	12/95
1.57	12/96
2.03	12/97
1.61	TO LIFE

Dwights Discover CD-ROM ID: R-174702-0 Original  
Copyright 1998 Rockies Run Date: 2-Sep-98

=====  
State : New Mexico NM Merid 28N - 5W - 32 nw se ne

County: RIO ARRIBA Oper: MERIDIAN OIL INC

Field : BASIN FRT C/BLANCO SOUTH PC Compl: 10/18/1994 D G M&G

=====  
Well: SAN JUAN 28-5 UNIT #240 Last Info: 02/20/1995

Ftg: 1450 fnl 790 fel

Lat-Long by TDG: 36.620941 - 107.375809

Oper Address: 5613 DTC Pky #1000 POB 3209, Englewood CO 80155 - 303/930-9344

Obj: 3500 Pictured Cliffs Permit #: Coal 11/29/1993 API: 30-039-2536600  
Elev: 6552KB

=====  
Spud: 06/14/1994

TD: 3520 on 07/14/1994

=====  
Elev: 6552KB FORMATION TOPS (Type: L=Log S=Sample V=True Vertical)

(Source: H=Dwights, I=IOG, T=Govt, S=Shell, U=USGS, R=NRIS  
M=Munger, N=NDGS, B=Boyd, G=GDS, X=Proprietary)

Formation	Depth	Elev	T/S	Formation	Depth	Elev	T/S
Ojo Alamo	2697	3855	L H	Fruitland	3012	3540	L H
Kirtland	2822	3730	L H	Pictured Cliffs	3352	3200	L H

=====  
Nctes :

Casing: 8 5/8 @ 221 w/235  
4 1/2 @ 3520 w/830

Mud : 8.9# @ 3520

Core : None reported

DST : None rptd

Logs : 06/19/94 Schlumberger AIT SP GR @ 222-3489.  
06/20/94 Schlumberger AIT GR @ 222-3489, Dipmeter FACT GR @ 222-3500,  
CNL LDT GR ML @ 2700-3511.  
07/14/94 Basin GR @ 40-3477.

Tubing: 2 3/8 @ 3437

Perfs : 3366-3454 (Pictured Cliffs )  
- frac w/165000# 20/40 sd 51932 gal 30# x-link gel  
3201-3348 (Fruitland coal )  
- frac w/105000# 20/40 sd 16478 gal 30# linear gel

PZone :  
(DUAL )  
3201-3348 (Fruitland coal )  
3366-3454 (Pictured Cliffs )

IP : (Fruitland coal 3201-3348) F 372 MCFGPD; SITP 810, SICP 880  
(Pictured Cliffs 3366-3454) F 95 MCFGPD; SITP 810, SICP 880

LocCom: 1/24/94 (Township chngd from 8N) per BLM.

Journl: 7/13/94 csg details added.

8/14/94 added log details.

9/13/94 added log details.

11/29/94 completed, have not filed completion rpt.

12/14/94 completed methane & gas well, SI.

**BURLINGTON RESOURCES  
 COMMERCIALITY DETERMINATION  
 BLM DATA SHEET**

9/ 2/98

**FOR LEASE: SAN JUAN 28-5 UNIT # 242**

**WELL INFORMATION:**

LOCATION 028N005W12L  
 COUNTY RIO ARRIBA  
 STATE NM  
 FORMATION BASIN (FRUITLAND COAL)  
 OPERATOR BURLINGTON RESOURCES  
 SPUD DATE 6/21/94  
 COMP DATE 8/19/94  
 FIRST GAS 11/30/94  
 COMM GWI 100.00 MOI GWI 89.48  
 COMM NRI 87.50 MOI NRI 77.12

**PRODUCTION TAXES:**

TAXES FOR 1995		GAS % OF REVENUE	
SEVERANCE	NM	3.75	%
SCHOOL	NM	4.00	%
AD VALOREM	NM	1.21	%
CONSERVATION	NM	.18	%
PROD. EQUIP.	NM	.22	%
TOTAL		9.36	%

**PRESSURE DATA:**

DATE  
 WHSIP .00  
 BHSIP .00

**WELL COST DATA:**

AVERAGE WELL COST \$ 179.00 M  
 PAYOUT YEARS 1.42

**ESTIMATED GROSS ANNUAL PRODUCTION AND OPERATING EXPENSES:**

YEAR	ESTIMATED ANNUAL PRODUCTION			OPERATING EXPENSES		
	GAS (MMCF)	OIL (MBO)	WATER (MBW)	BASE (M\$)	WATER (M\$)	TOTAL (M\$)
1995	1.98	.00	.00	3.70	.00	3.70
1996	.57	.00	.00	1.68	.00	1.68

**BURLINGTON RESOURCES  
 COMMERCIALITY DETERMINATION  
 BLM DATA SHEET**

9/ 2/98

**FOR LEASE: SAN JUAN 28-5 UNIT**

**# 242**

**WELL INFORMATION:**

LOCATION 028N005W12L  
 COUNTY RIO ARRIBA  
 STATE NM  
 FORMATION BASIN (FRUITLAND COAL)  
 OPERATOR BURLINGTON RESOURCES  
 SPUD DATE 6/21/94  
 COMP DATE 8/19/94  
 FIRST GAS 11/30/94  
 COMM GWI 100.00 % MOI GWI 89.48 %  
 COMM NRI 87.50 % MOI NRI 77.12 %

**PRODUCTION TAXES:**

TAXES FOR	1995	GAS % OF REVENUE
SEVERANCE	NM	3.75 %
SCHOOL	NM	4.00 %
AD VALOREM	NM	1.21 %
CONSERVATION	NM	.18 %
PROD. EQUIP.	NM	.22 %
TOTAL		9.36 %

**AVERAGE HEAT CONTENT**

1,165 MMBtu / Mcf

**WELL COST DATA:**

AVERAGE WELL COST \$ 179.00 M  
 PAYOUT YEARS 1.4

**AVERAGE PRODUCT PRICING**

PRICE/GAS \$/ MCF	YEAR
1.31	12/94
.95	12/95
1.57	12/96
2.03	12/97
1.61	TO LIFE



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ID: R-174703-0 Original  
Run Date: 2-Sep-98

=====  
State : New Mexico NM Merid 28N - 5W - 12 sw nw sw

Ccounty: RIO ARRIBA Oper: MERIDIAN OIL INC

Field : BASIN FRT C/BLANCO SOUTH PC Compl: 08/19/1994 D G M&G

=====  
Well: SAN JUAN 28-5 UNIT #242 Last Info: 10/14/1994

Ftg: 1575 fsl 215 fwl

Lat-Long by TDG: 36.672592 - 107.318420

Oper Address: 5613 DTC Pky #1000 POB 3209, Englewood CO 80155 - 303/930-9344

Obj: 4565 Pictured Cliffs Permit #: Coal 11/29/1993 API: 30-039-2539700  
Elev: 7418GR

=====  
Spud: 06/21/1994

TD: 4545 on 06/30/1994

=====  
Elev: 7418GR FORMATION TOPS (Type: L=Log S=Sample V=True Vertical)  
(Source: H=Dwights, I=IOG, T=Govt, S=Shell, U=USGS, R=NRIS  
M=Munger, N=NDGS, B=Boyd, G=GDS, X=Proprietary)

Formation	Depth	Elev	T/S	Formation	Depth	Elev	T/S
Ojo Alamo	3770	3648	L H	Fruitland coal	4044	3374	L H
Kirtland	3840	3578	L H	Pictured Cliffs	4368	3050	L H

=====  
Notes :

Casing: 8 5/8 @ 538 w/472 CF  
4 1/2 @ 4545 w/892 CF

Core : None  
DST : None rptd

Logs : 08/12/94 Basin IL CNL LDT ML MRIL CAL GR @ 30-4502.

Tubing: 2 3/8 @ 4462

Perfs : 4414-4468 (Pictured Cliffs )  
- frac w/163000# 20/40 Arizona sd N2  
4170-4358 (Fruitland coal )  
- frac w/120000# 20/40 Arizona sd 576000 SCF N2

PZone :  
(DUAL )  
4170-4358 (Fruitland coal )  
4414-4468 (Pictured Cliffs )

IP : (Fruitland coal 4170-4358) 3 hr test: -- 115 MCFG on 48/64 ck; SICP  
1080  
(Pictured Cliffs 4414-4468) 3 hr test: -- F 331 MCFG on 48/64 ck; SICP  
1080

Journal: 7/13/94 prod csg set June 30.  
8/26/94 log details added.  
10/5/94 completed methane & gas well, SI.

**BURLINGTON RESOURCES  
 COMMERCIALITY DETERMINATION  
 BLM DATA SHEET**

9/3/98

**FOR LEASE: SAN JUAN 28-5 UNIT # 245**

**WELL INFORMATION:**

LOCATION 028N005W22B  
 COUNTY RIO ARRIBA  
 STATE NM  
 FORMATION BASIN (FRUITLAND COAL)  
 OPERATOR BURLINGTON RESOURCES  
 SPUD DATE 9/18/95  
 COMP DATE 10/25/95  
 FIRST GAS 2/6/96  
 COMM GWI 100.00 MOI GWI 88.96  
 COMM NRI 87.50 MOI NRI 77.84

**PRODUCTION TAXES:**

TAXES FOR 1995	GAS % OF REVENUE	
SEVERANCE	NM	3.75 %
SCHOOL	NM	4.00 %
AD VALOREM	NM	1.21 %
CONSERVATION	NM	.18 %
PROD. EQUIP.	NM	.22 %
TOTAL		9.36 %

**PRESSURE DATA:**

DATE  
 WHSIP .00  
 EHSIP .00

**WELL COST DATA:**

AVERAGE WELL COST \$ 315.00 M  
 PAYOUT YEARS 10.75

**ESTIMATED GROSS ANNUAL PRODUCTION AND OPERATING EXPENSES:**

YEAR	ESTIMATED ANNUAL PRODUCTION			OPERATING EXPENSES		
	GAS (MMCF)	OIL (MBO)	WATER (MBW)	BASE (M\$)	WATER (M\$)	TOTAL (M\$)
1996	4.45	.00	.00	3.03	.00	3.03
1997	5.87	.00	.00	4.03	.00	4.03
1998	5.42	.00	.00	4.03	.00	4.03
1999	5.61	.00	.00	4.03	.00	4.03
2000	5.22	.00	.00	4.03	.00	4.03
2001	4.89	.00	.00	4.03	.00	4.03
2002	4.59	.00	.00	4.03	.00	4.03
2003	4.33	.00	.00	4.03	.00	4.03
2004	4.09	.00	.00	4.03	.00	4.03
2005	3.88	.00	.00	4.03	.00	4.03

**BURLINGTON RESOURCES  
 COMMERCIALITY DETERMINATION  
 BLM DATA SHEET**

9/3/98

**FOR LEASE: SAN JUAN 28-5 UNIT**

**# 245**

**WELL INFORMATION:**

LOCATION 028N005W22B  
 COUNTY RIO ARRIBA  
 STATE NM  
 FORMATION BASIN (FRUITLAND COAL)  
 OPERATOR BURLINGTON RESOURCES  
 SPUD DATE 9/18/95  
 COMP DATE 10/25/95  
 FIRST GAS 2/6/96  
 COMM GWI 100.00 % MOI GWI 88.96 %  
 COMM NRI 87.50 % MOI NRI 77.84 %

**PRODUCTION TAXES:**

TAXES FOR 1995		GAS % OF <u>REVENUE</u>
SEVERANCE	NM	3.75 %
SCHOOL	NM	4.00 %
AD VALOREM	NM	1.21 %
CONSERVATION	NM	.18 %
PROD. EQUIP.	NM	<u>.22</u> %
TOTAL		9.36 %

**AVERAGE HEAT CONTENT**

1,135 MMBtu / Mcf

**WELL COST DATA:**

AVERAGE WELL COST \$ 315.00 M  
 PAYOUT YEARS 10.7

**AVERAGE PRODUCT PRICING**

PRICE/GAS \$/MCF	YEAR
.95	12/95
1.57	12/96
2.03	12/97
1.61	TO LIFE

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ID: R-180647-0 Original  
Run Date: 3-Sep-98

=====  
State : New Mexico NM Merid 28N - 5W - 22 se nw ne

County: RIO ARRIBA Oper: MERIDIAN OIL INC

Field : BASIN FRT COAL Compl: 10/25/1995 D G METH

=====  
Well: SAN JUAN 28-5 UNIT #245 Last Info: 01/12/1996

Ftg: 915 fnl 1475 fel

Lat-Long by TDG: 36.651398 - 107.341843

Oper Address: 5613 DTC Pky #1000 POB 3209, Englewood CO 80155 - 303/930-9344

Obj: 3605 Fruitland coal Permit #: Coal 05/09/1995 API: 30-039-2552300  
Elev: 6700KB

=====  
Spud: 09/19/1995 Contr: Walters Rig #: 4

TD: 3590 on 09/22/1995

=====  
Elev: 6700KB FORMATION TOPS (Type: L=Log S=Sample V=True Vertical)  
(Source: H=Dwights, I=IOG, T=Govt, S=Shell, U=USGS, R=NRIS  
M=Munger, N=NDGS, B=Boyd, G=GDS, X=Proprietary)

Formation	Depth	Elev	T/S	Formation	Depth	Elev	T/S
Ojo Alamo	3002	3698	L H	Fruitland	3410	3290	L H
Kirtland	3070	3630	L H				

=====  
Notes : (Methane gas well)

Casing: 9 5/8 @ 246 w/159

7 @ 3440 w/550

Mud : 9.2# @ 2164

Core : None

DST : None rptd

Logs : 10/10/95 Schlumberger HRL LDT @ 3442-3584, FACT @ 3442-3581.

Tubing: 2 3/8 @ 3582

Perfs : 3440-3590 (Fruitland coal )  
open hole - natural

Pzone : 3440-3590 (Fruitland coal )

IP : (Fruitland coal 3440-3590) F 123 MCFGPD; FTP 876, SICP 888

Journl: 9/21/95 rig rptd on site Sept 19.

9/27/95 drlg & sur @ 2164.

9/28/95 rig rptd released Sept 25.

10/13/95 ran csg, WO completion.

11/22/95 completed methane gas well, SI.

11/30/95 added log details.

July 14, 1998

SAN JUAN DIVISION

Bureau of Land Management Attn: Duane Spencer 1235 La Plata Highway Farmington, NM 87401	Commissioner of Public Lands State of New Mexico P. O. Box 1148 Santa Fe, NM 87501-1148
Oil Conservation Division State of New Mexico 2040 S. Pacheco Santa Fe, NM 87505	

Re: San Juan 28-5 Unit #14-08-001-949  
1998 Plan of Development – First Amendment  
Rio Arriba County, New Mexico

Ladies and Gentlemen:

By letter dated February 27, 1998, you were provided the original 1998 Plan of Development. Subsequently it has been determined the following well was inadvertently left out of the POD.

Well Name	Formation	Type	Dedication
San Juan 28-5 Unit #92M	Mesaverde/Dakota	New Drill-commingle	MV-N/2 24-28N-5W DK-W/2 24-28N-5W

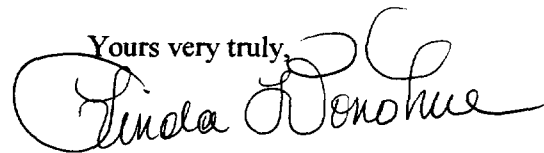
The well is located in respective Participating Areas.

The working interest owners are being contacted regarding this amendment by copy of this letter.

Burlington Resources Oil & Gas Company as Unit Operator, plans to drill any offset wells required to prevent drainage of unitized substances and any other wells deemed necessary or desirable by the Unit Operator and the working interest owners.

In accordance with Section 10 of the Unit Agreement, please advise of your approval by executing in the space provided and return a copy of this letter to the undersigned.

Please contact Linda Donohue at (505) 326-9760 if there are any questions regarding this letter.

Yours very truly,  


Linda Donohue  
Senior Staff Landman

LD/slc  
SJ 28-5, 3.0 (1998)  
SJ 28-5 Unit WI Owners

San Juan 28-5 Unit  
First Amendment  
1998 Plan of Development

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Bureau of Land Management

---

Date



---

Oil Conservation Division

---

7/30/98

Date

---

Commissioner of Public Lands

---

Date

# BURLINGTON RESOURCES

SAN JUAN DIVISION

February 27, 1998

Bureau of Land Management  
Farmington Resource Area  
1235 La Plata Highway  
Farmington, NM 87401

Commissioner of Public Lands  
State of New Mexico  
P. O. Box 1148  
Santa Fe, NM 87501-1148

MAR - 2 1998

Oil Conservation Division  
State of New Mexico  
2040 S. Pacheco  
Santa Fe, NM 87505

**RE: 1998 Plan of Development  
SAN JUAN 28-5 UNIT 14-08-001-949  
RIO ARRIBA COUNTY, NEW MEXICO**

Ladies and Gentlemen:

The following Participating Areas currently exist in the SAN JUAN 28-5 UNIT:

FORMATION	EXPANSION	EFFECTIVE DATE
FRUITLAND COAL	000	10-14-1989
PICTURED CLIFFS	001	05-01-1981
DAKOTA	020	11-01-1979
MESAVERDE	026	08-01-1961

The 1997 Plan of Development (or amendments thereto) provided for the following activity:

WELL NAME	FORMATION	TYPE	DEDICATION
SAN JUAN 28-5 UNIT 41M	DAKOTA	NewDrill - Commingle	N/2 32-028N-005W
SAN JUAN 28-5 UNIT 41M	MESAVERDE	NewDrill - Commingle	N/2 32-028N-005W
SAN JUAN 28-5 UNIT 42M	DAKOTA	NewDrill - Commingle	S/2 31-028N-005W
SAN JUAN 28-5 UNIT 42M	MESAVERDE	NewDrill - Commingle	S/2 31-028N-005W
SAN JUAN 28-5 UNIT 44M	DAKOTA	NewDrill - Commingle	S/2 27-028N-005W
SAN JUAN 28-5 UNIT 44M	MESAVERDE	NewDrill - Commingle	S/2 27-028N-005W
SAN JUAN 28-5 UNIT 45M	DAKOTA	NewDrill - Commingle	W/2 36-028N-005W
SAN JUAN 28-5 UNIT 45M	MESAVERDE	NewDrill - Commingle	N/2 36-028N-005W
SAN JUAN 23-5 UNIT 60M	DAKOTA	NewDrill - Commingle	N/2 29-028N-005W
SAN JUAN 28-5 UNIT 60M	MESAVERDE	NewDrill - Commingle	N/2 29-028N-005W

SAN JUAN 28-5 UNIT 65M	MESAVERDE	NewDrill - Commingle	S/2 28-028N-005W
SAN JUAN 28-5 UNIT 65M	DAKOTA	NewDrill - Commingle	S/2 28-028N-005W
SAN JUAN 28-5 UNIT 66M	DAKOTA	NewDrill - Commingle	S/2 29-028N-005W
SAN JUAN 28-5 UNIT 66M	MESAVERDE	NewDrill - Commingle	S/2 29-028N-005W
SAN JUAN 28-5 UNIT 70M	DAKOTA	NewDrill - Commingle	W/2 34-028N-005W
SAN JUAN 28-5 UNIT 70M	MESAVERDE	NewDrill - Commingle	N/2 34-028N-005W
SAN JUAN 28-5 UNIT 72M	DAKOTA	NewDrill - Commingle	W/2 35-028N-005W
SAN JUAN 28-5 UNIT 72M	MESAVERDE	NewDrill - Commingle	N/2 35-028N-005W
SAN JUAN 28-5 UNIT 73M	DAKOTA	NewDrill - Commingle	E/2 35-028N-005W
SAN JUAN 28-5 UNIT 73M	MESAVERDE	NewDrill - Commingle	S/2 35-028N-005W
SAN JUAN 28-5 UNIT 93M	DAKOTA	NewDrill - Commingle	E/2 15-028N-005W
SAN JUAN 28-5 UNIT 93M	MESAVERDE	NewDrill - Commingle	S/2 15-028N-005W
SAN JUAN 28-5 UNIT 76	MESAVERDE	Recompletion-Commingle	N/2 21-028N-005W
SAN JUAN 28-5 UNIT 89	DAKOTA	Recompletion- Commingle	NSP 09-028N-005W
SAN JUAN 28-5 UNIT 89	MESAVERDE	Recompletion- Commingle	ALL 09-028N-005W
SAN JUAN 28-5 UNIT 84E	DAKOTA	Recompletion - Commingle	E/2 16-028N-005W
SAN JUAN 28-5 UNIT 84E	MESAVERDE	Recompletion - Commingle	N/2 16-028N-005W
SAN JUAN 28-5 UNIT 94	MESAVERDE	Recompletion - Commingle	S/2 25-028N-005W
SAN JUAN 28-5 UNIT 94	DAKOTA	Recompletion - Commingle	25-028N-005W

Copies of Participating Area maps are attached for each formation. The circled numbers correspond to the Unit Exhibit "B" ownership schedule.

Pursuant to Section 10 of the SAN JUAN 28-5 UNIT Agreement, Burlington Resources Oil & Gas Company, as Unit Operator, hereby submits the 1998 Plan of Development as follows:

WELL NAME	FORMATION	TYPE	DEDICATION
SAN JUAN 28-5 UNIT 101M	MESAVERDE	NewDrill - Commingle	N/2 13-028N-005W
SAN JUAN 28-5 UNIT 101M	DAKOTA	NewDrill - Commingle	W/2 13-028N-005W
SAN JUAN 28-5 UNIT 103M	DAKOTA	NewDrill - Commingle	E/2 23-028N-005W
SAN JUAN 28-5 UNIT 103M	MESAVERDE	NewDrill - Commingle	S/2 23-028N-005W
SAN JUAN 28-5 UNIT 37A	DAKOTA	NewDrill - Commingle	24-028N-005W
SAN JUAN 28-5 UNIT 37A	MESAVERDE	NewDrill - Commingle	S/2 24-028N-005W
SAN JUAN 28-5 UNIT 68M	DAKOTA	NewDrill - Commingle	W/2 33-028N-005W
SAN JUAN 28-5 UNIT 68M	MESAVERDE	NewDrill - Commingle	N/2 33-028N-005W
SAN JUAN 28-5 UNIT 77M	DAKOTA	NewDrill - Commingle	N/2 27-028N-005W
SAN JUAN 28-5 UNIT 77M	MESAVERDE	NewDrill - Commingle	N/2 27-028N-005W
SAN JUAN 28-5 UNIT 78M	MESAVERDE	NewDrill - Commingle	N/2 25-028N-005W
SAN JUAN 28-5 UNIT 78M	DAKOTA	NewDrill - Commingle	W/2 25-028N-005W
SAN JUAN 28-5 UNIT 80M	DAKOTA	NewDrill - Commingle	N/2 26-028N-005W
SAN JUAN 28-5 UNIT 80M	MESAVERDE	NewDrill - Commingle	N/2 26-028N-005W
SAN JUAN 28-5 UNIT 81M	DAKOTA	NewDrill - Commingle	S/2 26-028N-005W
SAN JUAN 28-5 UNIT 81M	MESAVERDE	NewDrill - Commingle	S/2 26-028N-005W



SAN JUAN 28-5 UNIT 83M	DAKOTA	NewDrill - Commingle	W/2 16-028N-005W
SAN JUAN 28-5 UNIT 83M	MESAVERDE	NewDrill - Commingle	N/2 16-028N-005W
SAN JUAN 28-5 UNIT 86M	DAKOTA	NewDrill - Commingle	W/2 23-028N-005W
SAN JUAN 28-5 UNIT 86M	MESAVERDE	NewDrill - Commingle	N/2 23-028N-005W
SAN JUAN 28-5 UNIT 97M	DAKOTA	NewDrill - Commingle	E/2 14-028N-005W
SAN JUAN 28-5 UNIT 97M	MESAVERDE	NewDrill - Commingle	S/2 14-028N-005W
SAN JUAN 28-5 UNIT 98M	MESAVERDE	NewDrill - Commingle	S/2 13-028N-005W
SAN JUAN 28-5 UNIT 98M	DAKOTA	NewDrill - Commingle	NSP 13-028N-005W
SAN JUAN 28-5 UNIT 107	MESAVERDE	NewDrill - Single	ALL 12-028N-005W
SAN JUAN 28-5 UNIT 52R	MESAVERDE	NewDrill - Single	N/2 33-028N-005W
SAN JUAN 28-5 UNIT 54E	GALLUP	Recompletion-Commingle	NW/4 20-028N-005W
SAN JUAN 28-5 UNIT 61E	GALLUP	Recompletion-Commingle	NW/4 18-028N-005W
SAN JUAN 28-5 UNIT 78	MESAVERDE	Recompletion-Commingle	S/2 25-028N-005W
SAN JUAN 28-5 UNIT 91E	MESAVERDE	Recompletion-Single	N/2 14-028N-005W
SAN JUAN 28-5 UNIT 102E	MESAVERDE	Recompletion-Commingle	S/2 12-028N-005W

The following is a well listing for wells in SAN JUAN 28-5 UNIT and the current status our system contains for the well.

WELL NAME	FORM	LEGAL DESC	REASON	FLAG
SAN JUAN 28-5 UNIT 89	MESAVERDE	P 09-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 89	DAKOTA	P 09-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 211	FRUITLAND COAL	K 13-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 211	PICTURED CLIFFS	K 13-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 212	PICTURED CLIFFS	L 15-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 212	FRUITLAND COAL	L 15-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 230	FRUITLAND COAL	B 25-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 230	PICTURED CLIFFS	B 25-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 235	FRUITLAND COAL	K 28-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 235	PICTURED CLIFFS	K 28-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 236	FRUITLAND COAL	M 26-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 236	PICTURED CLIFFS	M 26-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 240	FRUITLAND COAL	H 32-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 240	PICTURED CLIFFS	H 32-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 242	FRUITLAND COAL	L 12-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 242	PICTURED CLIFFS	L 12-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 35M	MESAVERDE	J 19-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 35M	DAKOTA	J 19-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 41M	MESAVERDE	D 32-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 41M	DAKOTA	D 32-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT 42M	DAKOTA	I 31-028N-005W	Active	Commingle

SAN JUAN 28-5 UNIT	42M	MESAVERDE	I	31-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT	44A	MESAVERDE	I	27-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT	45M	MESAVERDE	E	36-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT	45M	DAKOTA	E	36-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT	58M	MESAVERDE	I	30-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT	58M	DAKOTA	I	30-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT	60M	MESAVERDE	E	29-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT	60M	DAKOTA	E	29-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT	64M	MESAVERDE	D	28-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT	64M	DAKOTA	D	28-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT	65M	MESAVERDE	O	28-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT	65M	DAKOTA	O	28-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT	66M	MESAVERDE	I	29-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT	66M	DAKOTA	I	29-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT	70M	DAKOTA	D	34-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT	70M	MESAVERDE	D	34-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT	72M	MESAVERDE	E	35-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT	72M	DAKOTA	E	35-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT	73M	DAKOTA	O	35-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT	73M	MESAVERDE	O	35-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT	88M	MESAVERDE	E	15-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT	88M	DAKOTA	E	15-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT	93M	DAKOTA	J	15-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT	93M	MESAVERDE	J	15-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT NP	200	FRUITLAND COAL	H	14-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT NP	200	PICTURED CLIFFS	H	14-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT NP	227	FRUITLAND COAL	M	11-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT NP	227	PICTURED CLIFFS	M	11-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT NP	228	FRUITLAND COAL	A	24-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT NP	228	PICTURED CLIFFS	A	24-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT NP	229	FRUITLAND COAL	M	27-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT NP	229	PICTURED CLIFFS	M	27-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT NP	232	FRUITLAND COAL	L	24-028N-005W	Active	Commingle
SAN JUAN 28-5 UNIT NP	232	PICTURED CLIFFS	L	24-028N-005W	Active	Commingle
					<b>Commingle Count</b>	<b>55</b>
SAN JUAN 28-5 UNIT	33	MESAVERDE	L	17-028N-005W	Active	Dual
SAN JUAN 28-5 UNIT	33	DAKOTA	L	17-028N-005W	Shut-in	Dual
SAN JUAN 28-5 UNIT	34	MESAVERDE	M	18-028N-005W	Active	Dual
SAN JUAN 28-5 UNIT	34	DAKOTA	M	18-028N-005W	Active	Dual
SAN JUAN 28-5 UNIT	35	MESAVERDE	M	19-028N-005W	Active	Dual
SAN JUAN 28-5 UNIT	35	DAKOTA	M	19-028N-005W	Active	Dual
SAN JUAN 28-5 UNIT	41	MESAVERDE	A	32-028N-005W	Active	Dual
SAN JUAN 28-5 UNIT	41	DAKOTA	A	32-028N-005W	Active	Dual
SAN JUAN 28-5 UNIT	42	DAKOTA	K	31-028N-005W	Active	Dual

SAN JUAN 28-5 UNIT	42	MESAVERDE	K	31-028N-005W	Active	Dual
SAN JUAN 28-5 UNIT	29A	PICTURED CLIFFS	D	18-028N-005W	Active	Dual
SAN JUAN 28-5 UNIT	29A	MESAVERDE	D	18-028N-005W	Active	Dual
SAN JUAN 28-5 UNIT	38A	PICTURED CLIFFS	O	32-028N-005W	Active	Dual
SAN JUAN 28-5 UNIT	38A	MESAVERDE	O	32-028N-005W	Active	Dual
SAN JUAN 28-5 UNIT	51A	PICTURED CLIFFS	C	31-028N-005W	Active	Dual
SAN JUAN 28-5 UNIT	51A	MESAVERDE	C	31-028N-005W	Active	Dual
SAN JUAN 28-5 UNIT	57M	MESAVERDE	F	19-028N-005W	Active	Dual
SAN JUAN 28-5 UNIT	57M	DAKOTA	F	19-028N-005W	Active	Dual
SAN JUAN 28-5 UNIT	59M	MESAVERDE	C	30-028N-005W	Active	Dual
SAN JUAN 28-5 UNIT	59M	DAKOTA	C	30-028N-005W	Active	Dual
SAN JUAN 28-5 UNIT	67M	MESAVERDE	O	21-028N-005W	Active	Dual
SAN JUAN 28-5 UNIT	67M	DAKOTA	O	21-028N-005W	Active	Dual
SAN JUAN 28-5 UNIT	76M	MESAVERDE	C	21-028N-005W	Active	Dual
SAN JUAN 28-5 UNIT	76M	DAKOTA	C	21-028N-005W	Active	Dual
					<b>Dual Count</b>	24
SAN JUAN 28-5 UNIT	1	MESAVERDE	G	29-028N-005W	Active	Single
SAN JUAN 28-5 UNIT	2	MESAVERDE	M	14-028N-005W	Active	Single
SAN JUAN 28-5 UNIT	4	MESAVERDE	G	19-028N-005W	P&A	Single
SAN JUAN 28-5 UNIT	6	MESAVERDE	K	16-028N-005W	Active	Single
SAN JUAN 28-5 UNIT	7	MESAVERDE	K	08-028N-005W	Active	Single
SAN JUAN 28-5 UNIT	8	MESAVERDE	B	21-028N-005W	P&A	Single
SAN JUAN 28-5 UNIT	8	FRUITLAND COAL	B	21-028N-005W	P&A	Single
SAN JUAN 28-5 UNIT	9	MESAVERDE	K	29-028N-005W	Active	Single
SAN JUAN 28-5 UNIT	10	MESAVERDE	K	15-028N-005W	Active	Single
SAN JUAN 28-5 UNIT	11	MESAVERDE	K	33-028N-005W	Active	Single
SAN JUAN 28-5 UNIT	12	MESAVERDE	L	07-028N-005W	Active	Single
SAN JUAN 28-5 UNIT	13	MESAVERDE	M	09-028N-005W	Active	Single
SAN JUAN 28-5 UNIT	14	MESAVERDE	H	20-028N-005W	Active	Single
SAN JUAN 28-5 UNIT	15	MESAVERDE	M	34-028N-005W	Active	Single
SAN JUAN 28-5 UNIT	16	MESAVERDE	A	16-028N-005W	Active	Single
SAN JUAN 28-5 UNIT	17	MESAVERDE	K	20-028N-005W	Active	Single
SAN JUAN 28-5 UNIT	18	MESAVERDE	M	11-028N-005W	Active	Single
SAN JUAN 28-5 UNIT	19	MESAVERDE	L	10-028N-005W	Active	Single
SAN JUAN 28-5 UNIT	20	MESAVERDE	L	30-028N-005W	Active	Single
SAN JUAN 28-5 UNIT	21	MESAVERDE	L	35-028N-005W	Active	Single
SAN JUAN 28-5 UNIT	22	MESAVERDE	M	21-028N-005W	Active	Single
SAN JUAN 28-5 UNIT	23	MESAVERDE	H	28-028N-005W	Active	Single
SAN JUAN 28-5 UNIT	24	MESAVERDE	A	34-028N-005W	Active	Single
SAN JUAN 28-5 UNIT	25	MESAVERDE	K	13-028N-005W	Active	Single
SAN JUAN 28-5 UNIT	26	MESAVERDE	H	14-028N-005W	Active	Single
SAN JUAN 28-5 UNIT	27	MESAVERDE	B	15-028N-005W	Active	Single
SAN JUAN 28-5 UNIT	28	MESAVERDE	H	17-028N-005W	Active	Single
SAN JUAN 28-5 UNIT	29	MESAVERDE	B	18-028N-005W	Active	Single

SAN JUAN 28-5 UNIT	30	MESAVERDE	B	22-028N-005W	Active	Single
SAN JUAN 28-5 UNIT	31	MESAVERDE	G	13-028N-005W	Active	Single
SAN JUAN 28-5 UNIT	32	MESAVERDE	G	30-028N-005W	Active	Single
SAN JUAN 28-5 UNIT	36	MESAVERDE	G	26-028N-005W	Active	Single
SAN JUAN 28-5 UNIT	37	MESAVERDE	L	24-028N-005W	Active	Single
SAN JUAN 28-5 UNIT	38	MESAVERDE	M	32-028N-005W	Active	Single
SAN JUAN 28-5 UNIT	39	MESAVERDE	A	24-028N-005W	Active	Single
SAN JUAN 28-5 UNIT	40	MESAVERDE	B	27-028N-005W	Active	Single
SAN JUAN 28-5 UNIT	43	MESAVERDE	N	25-028N-005W	Active	Single
SAN JUAN 28-5 UNIT	44	MESAVERDE	M	27-028N-005W	Active	Single
SAN JUAN 28-5 UNIT	44	DAKOTA	M	27-028N-005W	Active	Single
SAN JUAN 28-5 UNIT	45	DAKOTA	G	36-028N-005W	Active	Single
SAN JUAN 28-5 UNIT	46	MESAVERDE	G	25-028N-005W	Active	Single
SAN JUAN 28-5 UNIT	47	MESAVERDE	B	36-028N-005W	Active	Single
SAN JUAN 28-5 UNIT	48	MESAVERDE	M	22-028N-005W	Active	Single
SAN JUAN 28-5 UNIT	49	MESAVERDE	H	23-028N-005W	Active	Single
SAN JUAN 28-5 UNIT	4R	MESAVERDE	G	19-028N-005W	Active	Single
SAN JUAN 28-5 UNIT	50	MESAVERDE	M	28-028N-005W	Active	Single
SAN JUAN 28-5 UNIT	51	MESAVERDE	H	31-028N-005W	Active	Single
SAN JUAN 28-5 UNIT	52	MESAVERDE	G	33-028N-005W	P&A	Single
SAN JUAN 28-5 UNIT	53	MESAVERDE	G	35-028N-005W	Active	Single
SAN JUAN 28-5 UNIT	54	DAKOTA	M	20-028N-005W	Active	Single
SAN JUAN 28-5 UNIT	55	MESAVERDE	L	23-028N-005W	Active	Single
SAN JUAN 28-5 UNIT	56	DAKOTA	N	32-028N-005W	Active	Single
SAN JUAN 28-5 UNIT	57	DAKOTA	A	19-028N-005W	P&A	Single
SAN JUAN 28-5 UNIT	58	DAKOTA	M	30-028N-005W	Active	Single
SAN JUAN 28-5 UNIT	59	DAKOTA	G	30-028N-005W	Active	Single
SAN JUAN 28-5 UNIT	60	DAKOTA	A	29-028N-005W	Active	Single
SAN JUAN 28-5 UNIT	61	DAKOTA	H	18-028N-005W	Active	Single
SAN JUAN 28-5 UNIT	62	DAKOTA	G	31-028N-005W	Active	Single
SAN JUAN 28-5 UNIT	63	DAKOTA	B	20-028N-005W	Active	Single
SAN JUAN 28-5 UNIT	64	DAKOTA	H	28-028N-005W	Active	Single
SAN JUAN 28-5 UNIT	65	DAKOTA	K	28-028N-005W	Active	Single
SAN JUAN 28-5 UNIT	66	DAKOTA	N	29-028N-005W	Active	Single
SAN JUAN 28-5 UNIT	67	DAKOTA	L	21-028N-005W	Active	Single
SAN JUAN 28-5 UNIT	68	DAKOTA	M	33-028N-005W	Active	Single
SAN JUAN 28-5 UNIT	69	DAKOTA	B	33-028N-005W	P&A	Single
SAN JUAN 28-5 UNIT	70	DAKOTA	L	34-028N-005W	Active	Single
SAN JUAN 28-5 UNIT	71	DAKOTA	B	34-028N-005W	Active	Single
SAN JUAN 28-5 UNIT	72	DAKOTA	N	35-028N-005W	Active	Single
SAN JUAN 28-5 UNIT	73	DAKOTA	G	35-028N-005W	Active	Single
SAN JUAN 28-5 UNIT	74	DAKOTA	N	36-028N-005W	Active	Single
SAN JUAN 28-5 UNIT	75	DAKOTA	G	17-028N-005W	Active	Single
SAN JUAN 28-5 UNIT	76	DAKOTA	G	21-028N-005W	Active	Single


SAN JUAN 28-5 UNIT	76	MESAVERDE	G	21-028N-005W	Active	Single
SAN JUAN 28-5 UNIT	77	DAKOTA	H	27-028N-005W	Active	Single
SAN JUAN 28-5 UNIT	78	DAKOTA	M	25-028N-005W	Active	Single
SAN JUAN 28-5 UNIT	79	DAKOTA	M	07-028N-005W	Active	Single
SAN JUAN 28-5 UNIT	7A	MESAVERDE	P	08-028N-005W	Active	Single
SAN JUAN 28-5 UNIT	80	DAKOTA	G	26-028N-005W	Active	Single
SAN JUAN 28-5 UNIT	81	DAKOTA	M	26-028N-005W	Active	Single
SAN JUAN 28-5 UNIT	82	DAKOTA	M	22-028N-005W	Active	Single
SAN JUAN 28-5 UNIT	83	DAKOTA	M	16-028N-005W	Active	Single
SAN JUAN 28-5 UNIT	84	DAKOTA	G	16-028N-005W	Active	Single
SAN JUAN 28-5 UNIT	85	DAKOTA	J	08-028N-005W	Active	Single
SAN JUAN 28-5 UNIT	87	DAKOTA	B	22-028N-005W	Active	Single
SAN JUAN 28-5 UNIT	88	DAKOTA	M	15-028N-005W	Active	Single
SAN JUAN 28-5 UNIT	91	DAKOTA	M	14-028N-005W	Active	Single
SAN JUAN 28-5 UNIT	92	DAKOTA	L	24-028N-005W	P&A	Single
SAN JUAN 28-5 UNIT	93	DAKOTA	G	15-028N-005W	Active	Single
SAN JUAN 28-5 UNIT	94	MESAVERDE	P	25-028N-005W	Active	Single
SAN JUAN 28-5 UNIT	94	DAKOTA	P	25-028N-005W	Active	Single
SAN JUAN 28-5 UNIT	95	PICTURED CLIFFS	M	31-028N-005W	Active	Single
SAN JUAN 28-5 UNIT	96	DAKOTA	O	10-028N-005W	Active	Single
SAN JUAN 28-5 UNIT	97	DAKOTA	H	14-028N-005W	P&A	Single
SAN JUAN 28-5 UNIT	98	DAKOTA	H	24-028N-005W	P&A	Single
SAN JUAN 28-5 UNIT	101	DAKOTA	K	13-028N-005W	Active	Single
SAN JUAN 28-5 UNIT	102	DAKOTA	P	11-028N-005W	Active	Single
SAN JUAN 28-5 UNIT	103	DAKOTA	H	23-028N-005W	Active	Single
SAN JUAN 28-5 UNIT	11A	MESAVERDE	I	33-028N-005W	Active	Single
SAN JUAN 28-5 UNIT	12A	MESAVERDE	J	07-028N-005W	Active	Single
SAN JUAN 28-5 UNIT	14A	MESAVERDE	E	20-028N-005W	Active	Single
SAN JUAN 28-5 UNIT	15A	MESAVERDE	O	34-028N-005W	Active	Single
SAN JUAN 28-5 UNIT	17A	MESAVERDE	P	20-028N-005W	Active	Single
SAN JUAN 28-5 UNIT	18A	MESAVERDE	O	11-028N-005W	Active	Single
SAN JUAN 28-5 UNIT	19A	MESAVERDE	O	10-028N-005W	Active	Single
SAN JUAN 28-5 UNIT	202	FRUITLAND COAL	H	16-028N-005W	Active	Single
SAN JUAN 28-5 UNIT	245	FRUITLAND COAL	B	22-028N-005W	Active	Single
SAN JUAN 28-5 UNIT	28A	MESAVERDE	D	17-028N-005W	Active	Single
SAN JUAN 28-5 UNIT	30A	MESAVERDE	D	22-028N-005W	Active	Single
SAN JUAN 28-5 UNIT	33A	MESAVERDE	J	17-028N-005W	Active	Single
SAN JUAN 28-5 UNIT	34A	MESAVERDE	O	18-028N-005W	Active	Single
SAN JUAN 28-5 UNIT	34E	DAKOTA	O	18-028N-005W	Active	Single
SAN JUAN 28-5 UNIT	48A	MESAVERDE	J	22-028N-005W	Active	Single
SAN JUAN 28-5 UNIT	54E	DAKOTA	C	20-028N-005W	Active	Single
SAN JUAN 28-5 UNIT	61E	DAKOTA	E	18-028N-005W	Active	Single
SAN JUAN 28-5 UNIT	63E	DAKOTA	J	20-028N-005W	Active	Single
SAN JUAN 28-5 UNIT	79E	DAKOTA	I	07-028N-005W	Active	Single

SAN JUAN 28-5 UNIT	84E	MESAVERDE	O	16-028N-005W	Active	Single	
SAN JUAN 28-5 UNIT	84E	DAKOTA	O	16-028N-005W	Active	Single	
SAN JUAN 28-5 UNIT	85E	DAKOTA	L	08-028N-005W	Active	Single	
SAN JUAN 28-5 UNIT	89E	DAKOTA	N	09-028N-005W	Active	Single	
SAN JUAN 28-5 UNIT	91E	DAKOTA	E	14-028N-005W	Active	Single	
SAN JUAN 28-5 UNIT	96E	DAKOTA	M	11-028N-005W	Active	Single	
SAN JUAN 28-5 UNIT	102E	DAKOTA	O	12-028N-005W	Active	Single	
SAN JUAN 28-5 UNIT NP	3	MESAVERDE	M	26-028N-005W	Active	Single	
SAN JUAN 28-5 UNIT NP	86	DAKOTA	L	23-028N-005W	Active	Single	
SAN JUAN 28-5 UNIT NP	201	FRUITLAND COAL	A	15-028N-005W	Active	Single	
SAN JUAN 28-5 UNIT NP	203	FRUITLAND COAL	B	17-028N-005W	Active	Single	
SAN JUAN 28-5 UNIT NP	204	FRUITLAND COAL	A	18-028N-005W	Active	Single	
SAN JUAN 28-5 UNIT NP	219	FRUITLAND COAL	A	30-028N-005W	Active	Single	
SAN JUAN 28-5 UNIT NP	223	FRUITLAND COAL	L	34-028N-005W	Active	Single	
						<b>Single</b>	130
						<b>Count</b>	
						<b>Grand</b>	209
						<b>Count</b>	

The working interest owners are being furnished a copy of this letter. Burlington, as Unit Operator, will drill any offset wells required to prevent drainage of unitized substances and any other wells deemed necessary by the working interest owners or Unit Operator.

In accordance to Section 10 of the Unit Agreement, please provide your approvals by executing and returning a copy of this letter to the undersigned.

Please contact me at (505) 326-9760 if there are any questions regarding this letter.

Yours very truly,  
  
 Linda Donohue  
 Senior Staff Landman

**SAN JUAN 28-5 UNIT  
 1998 PLAN OF DEVELOPMENT**

\_\_\_\_\_  
 Bureau of Land Management

  
 \_\_\_\_\_  
 New Mexico Oil Conservation Division

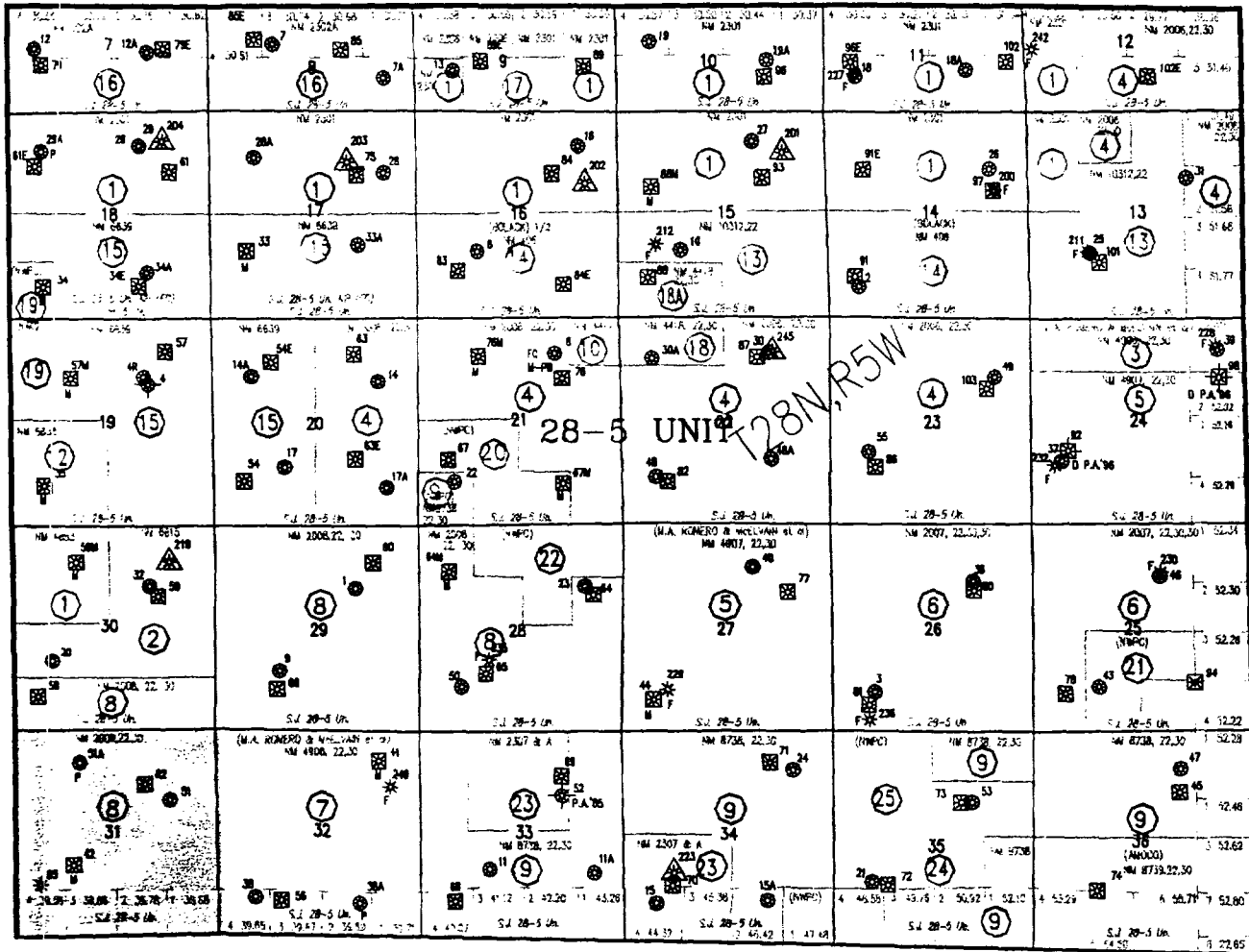
\_\_\_\_\_  
 Date

3/3/98  
 \_\_\_\_\_  
 Date

\_\_\_\_\_  
 New Mexico Commissioner of Public Lands

\_\_\_\_\_  
 Date

R5W

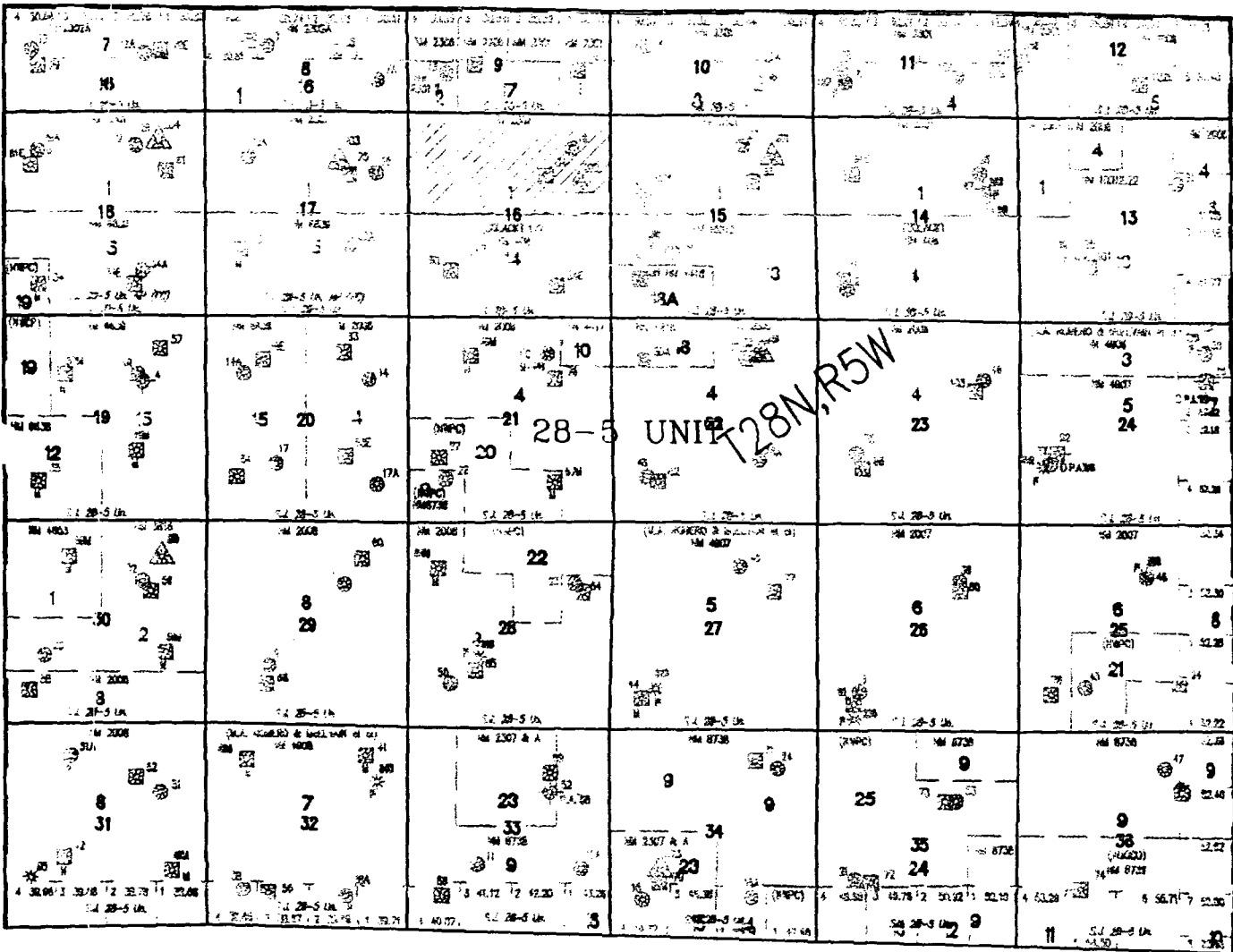


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SAN JUAN 28-5 UNIT

- FRONTLAND
- PICTURED CLIFFS
- MESAVERDE
- DAKOTA
- PICTURED CLIFFS PARTICIPATING AREA  
1st Expansion Effective 5/1/81
- OIL AND GAS OWNED BY  
STATE OF NEW MEXICO

# R5W



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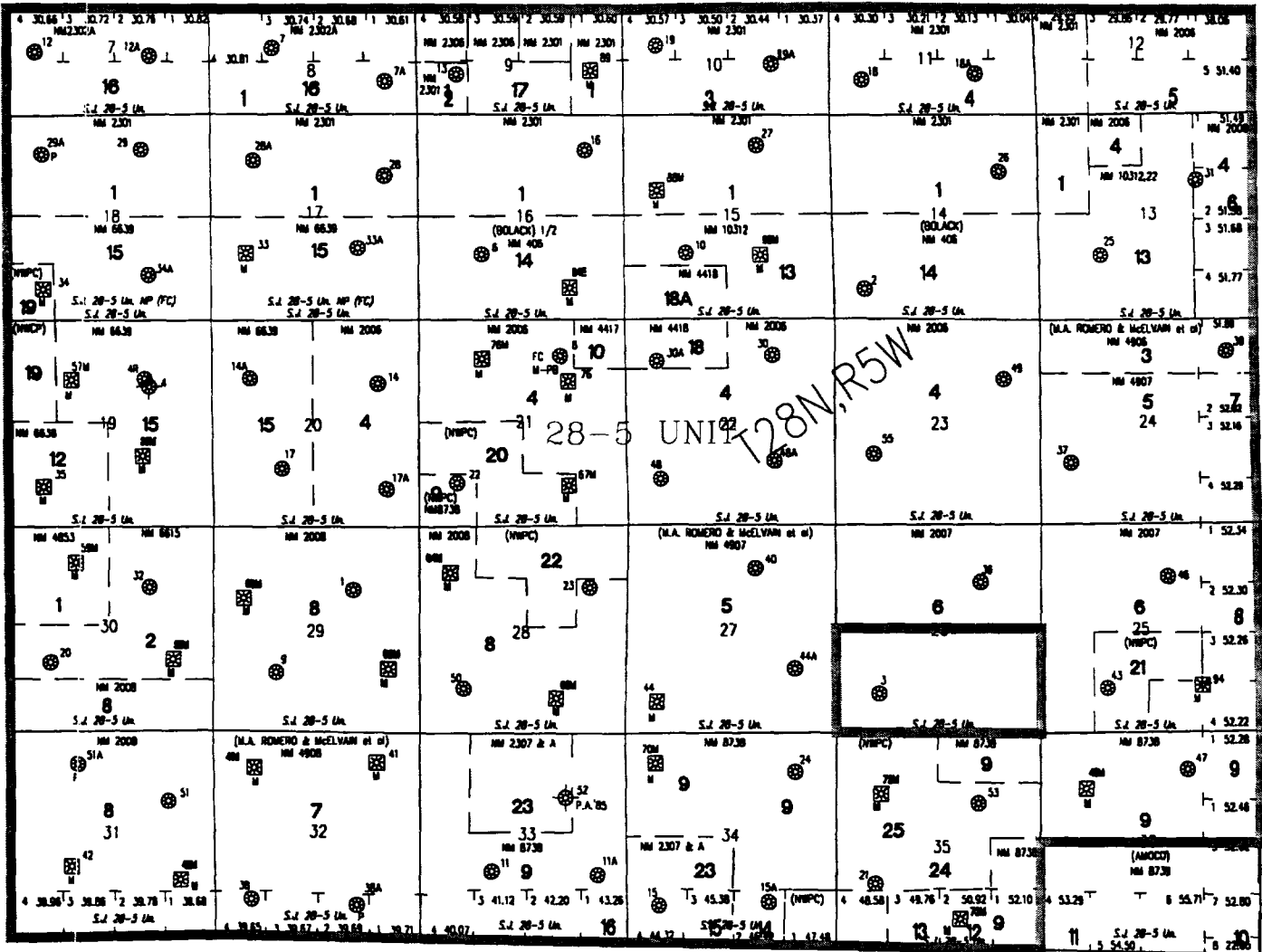
## SAN JUAN 28-5 UNIT

- FRUITLAND
- PICKED CLIFFS
- MEMPHIDE
- DAKOTA
- FRUITLAND COAL PARTICIPATING AREA  
Initial Expansion Effective 10/14/89
- OIL AND GAS OWNED BY  
STATE OF NEW MEXICO

LAND DEPARTMENT  
JUNE 12, 1997



# R5W



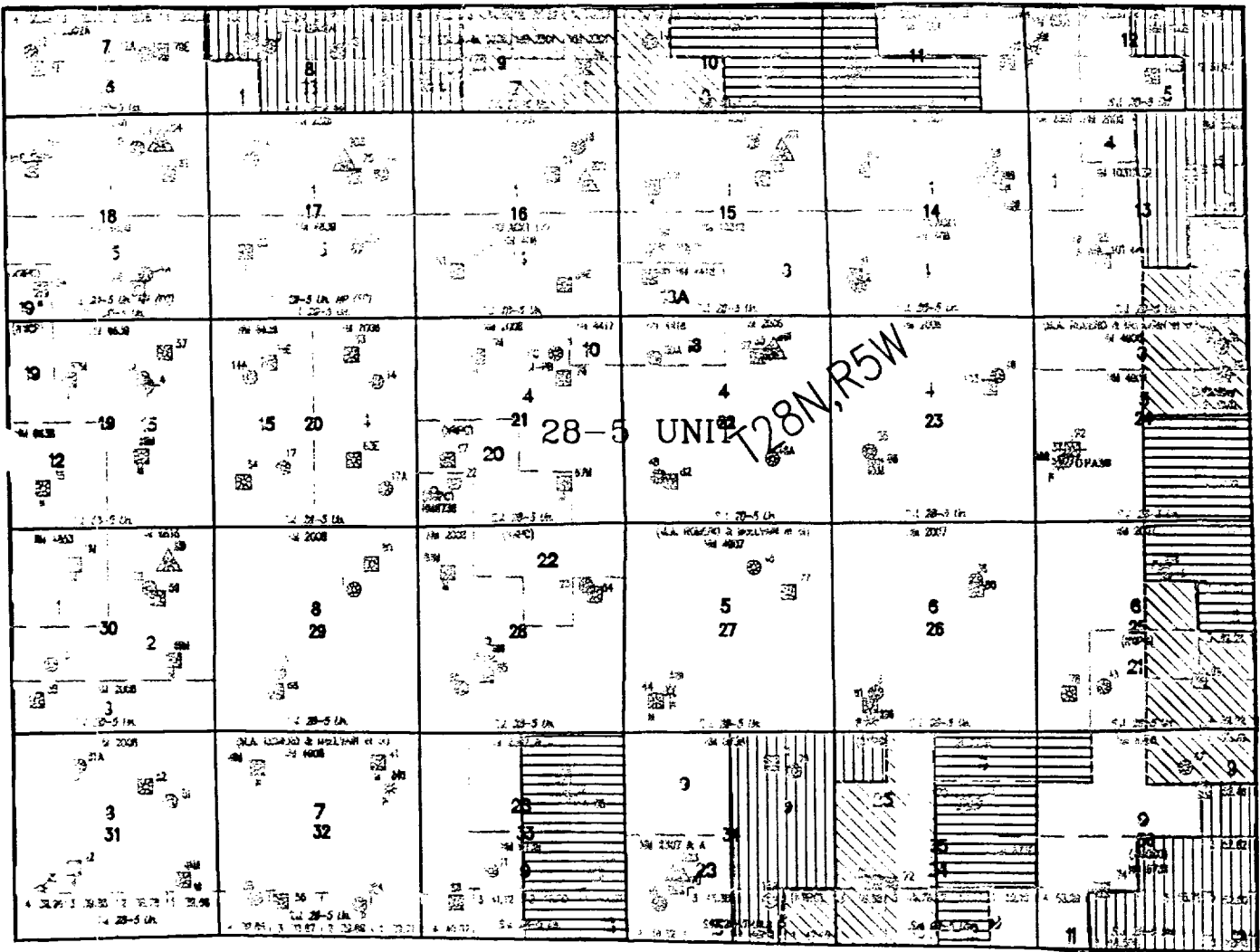
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## SAN JUAN 28-5 UNIT

-  FRUITLAND
-  PICTURED CLIFFS
-  MESAVERDE
-  DAKOTA
-  MESAVERDE PARTICIPATING AREA  
26th Expansion Effective 8/1/61

LAND DEPARTMENT  
January 8, 1968

R5W



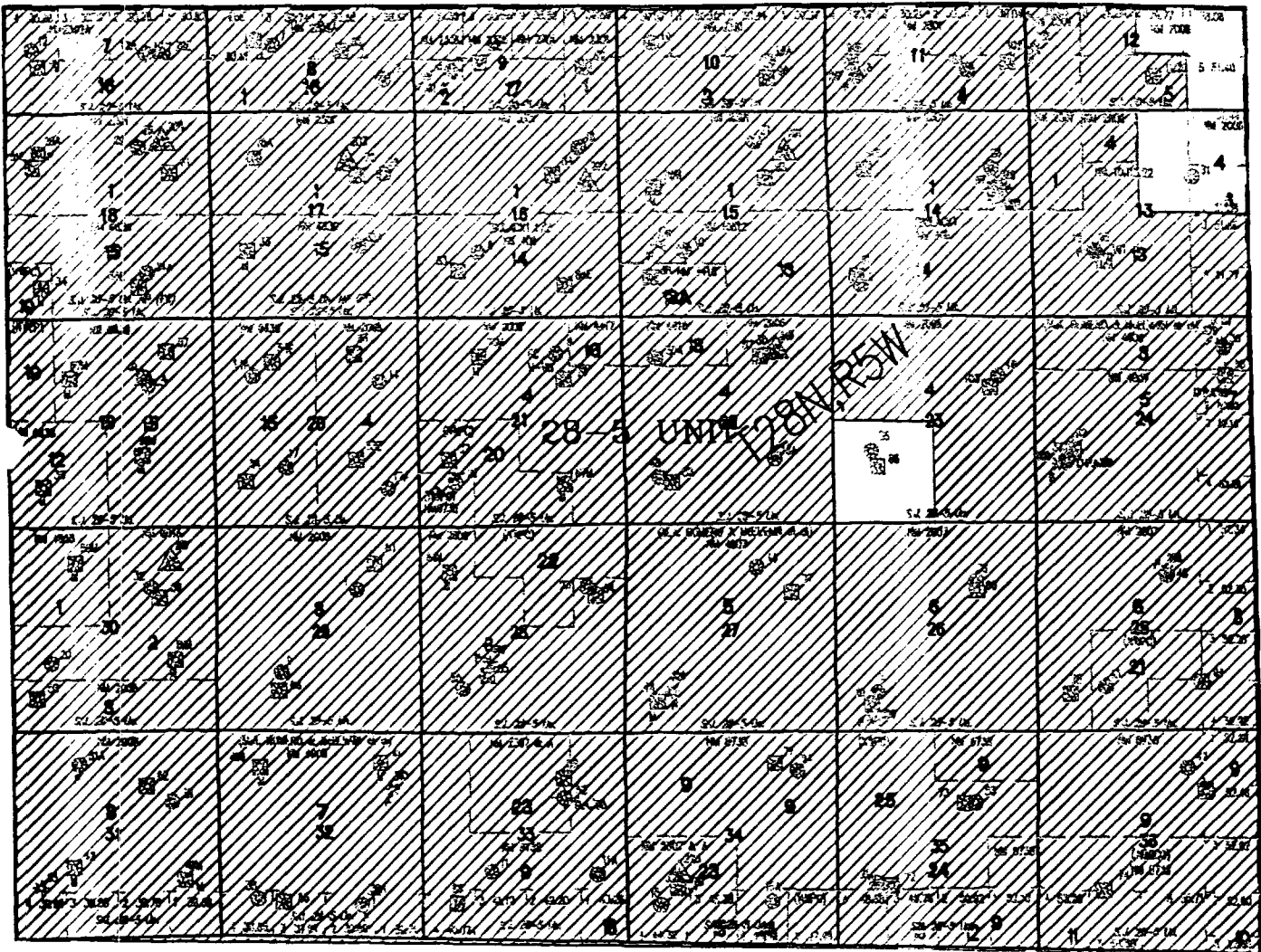
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### SAN JUAN 28-5 UNIT

- RIPARIAN
- PICTURED CLIFFS
- MEMORIAL
- DAKOTA
- NON-STANDARD GAS PRODUCTION UNITS  
BASIN DAKOTA GAS POOL ORDER NO R-2948
- OIL AND GAS OWNED BY  
STATE OF NEW MEXICO

LAND DEPARTMENT  
JUNE 12, 1997

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### SAN JUAN 28-5 UNIT

-  FIRELAND
-  PICKED CLIFFS
-  MEANDER
-  DAKOTA
-  DAKOTA PARTICIPATING AREA  
20th Expansion Effective 11/79
-  OIL AND GAS OWNED BY  
STATE OF NEW MEXICO

LAND DEPARTMENT  
JUNE 12, 1997

# BURLINGTON RESOURCES

SAN JUAN DIVISION

January 2, 1997

Bureau of Land Management  
Farmington Resource Area  
1235 La Plata Highway  
Farmington, NM 87401

Commissioner of Public Lands  
State of New Mexico  
P. O. Box 1148  
Santa Fe, NM 87501-1148

Oil Conservation Division  
State of New Mexico  
2040 S. Pacheco  
Santa Fe, NM 87505

**RE: SAN JUAN 28-5 UNIT, #14-08-001-0949  
1996 PLAN OF DEVELOPMENT  
RIO ARRIBA COUNTY, NEW MEXICO**

Gentlemen:

By letters dated February 1, July 18, and September 30, 1996, the original, first and second amendments to the 1997 Plan of Development (POD) were filed. The POD's provided for the drilling of three (3) Mesaverde/Dakota commingles (#64M, #35M & #58M) which were all drilled during 1996.

The following Participating Areas currently exist in the San Juan 28-5 Unit:

<u>Formation</u>	<u>Expansion</u>	<u>Effective Date</u>
Fruitland	Initial	10-14-89
Pictured Cliffs	1st	5-1-81
Mesaverde	26th	8-1-61
Dakota	20th	11-1-79

Pursuant to Section 10 of the San Juan 28-5 Unit Agreement, Burlington Resources Oil & Gas Company., as Unit Operator, hereby submits the 1997 Plan of Development as follows:

<b>Well Name</b>	<b>Drilling Block</b>	<b>Formation</b>
San Juan 28-5 Unit #41M	N½ 32-28N-5W	Mesaverde/Dakota New Drill Commingle
San Juan 28-5 Unit #42M	S½ 31-28N-5W	Mesaverde/Dakota New Drill Commingle
San Juan 28-5 Unit #44M	S½ 27-28N-5W	Mesaverde/Dakota New Drill Commingle

Well Name	Drilling Block	Formation
San Juan 28-5 Unit #45M	N $\frac{1}{2}$ (Lots 1, 2, W $\frac{1}{2}$ NE $\frac{1}{4}$ , NW $\frac{1}{4}$ ) 36-28N-5W (MV) Lot 1, Sec. 35, Lot 4, S $\frac{1}{2}$ NW, NE NW, SW NE, N $\frac{1}{2}$ SW Sec. 36, 28N-5W (DK)	Mesaverde/Dakota New Drill Commingle
San Juan 28-5 Unit #60M	N $\frac{1}{2}$ 29-28N-5W	Mesaverde/Dakota New Drill Commingle
San Juan 28-5 Unit #65M	S $\frac{1}{2}$ 28-28N-5W	Mesaverde/Dakota New Drill Commingle
San Juan 28-5 Unit #66M	S $\frac{1}{2}$ 29-28N-5W	Mesaverde/Dakota New Drill Commingle
San Juan 28-5 Unit #70M	N $\frac{1}{2}$ 34-28N-5W (MV) W $\frac{1}{2}$ 34-28N-5W (DK)	Mesaverde/Dakota New Drill Commingle
San Juan 28-5 Unit #72M	N $\frac{1}{2}$ 35-28N-5W (MV) Lot 1, Sec. 34, Lots 3,4, N $\frac{1}{2}$ SW $\frac{1}{4}$ , S $\frac{1}{2}$ NW $\frac{1}{4}$ Sec. 35-28N-5W	Mesaverde/Dakota New Drill Commingle
San Juan 28-5 Unit #73M	S $\frac{1}{2}$ (Lots 1-4, N $\frac{1}{2}$ S $\frac{1}{2}$ ) 35-28N-5W (MV) Lot 2, NE $\frac{1}{4}$ , N $\frac{1}{2}$ SE $\frac{1}{4}$ , Sec. 35 NW $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 36-28N-5W (DK)	Mesaverde/Dakota New Drill Commingle
San Juan 28-5 Unit #76	N $\frac{1}{2}$ 21-28N-5W	Recomplete existing Dakota to Mesaverde & commingle
San Juan 28-5 Unit #84E	N $\frac{1}{2}$ 16-28N-5W (MV) E $\frac{1}{2}$ 16-28N-5W (DK)	Recomplete existing Dakota to Mesaverde & commingle
San Juan 28-5 Unit #89	ALL 9-28N-5W (MV) Lots 1-3, S $\frac{1}{2}$ SE $\frac{1}{4}$ , SE SW Sec. 9, Lot 4, S $\frac{1}{2}$ SW $\frac{1}{4}$ Sec. 10-28N-5W (DK)	Recomplete existing Dakota to Mesaverde & commingle
San Juan 28-5 Unit #93M	S $\frac{1}{2}$ 15-28N-5W (DK) E $\frac{1}{2}$ 15-28N-5W (MV)	Mesaverde/Dakota New Drill Commingle
San Juan 28-5 Unit #94	S $\frac{1}{2}$ 25-28N-5W (MV) Lots 3,4, SW NE, S $\frac{1}{2}$ SE Sec. 25, Lot 1, NW NE 36-28N-5W (DK)	Recomplete existing Dakota to Mesaverde & commingle

The proposed wells are located within the existing Participating Areas.

The working interest owners are being notified regarding this Plan of Development by copy of this letter.

SJ 28-5 POD  
January 2, 1997  
Page 3

Burlington Resources Oil & Gas Company, as Unit Operator, plans to drill any offset wells required to prevent drainage of unitized substances and any other wells deemed necessary or desirable by the Unit Operator and the working interest owners.

In accordance with Section 10 of the Unit Agreement, please provide your acceptance of the POD by executing a copy to the undersigned.

Please contact the undersigned at 326-9760 if there are any questions regarding this letter.

Yours very truly,



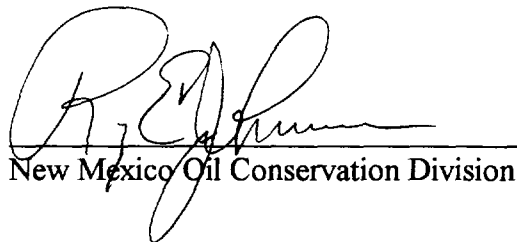
Linda Donohue  
Senior Landman

LD/cj  
Enclosures

File: SJ 28-5 Unit, 3.0 (1997)

**1997 PLAN OF DEVELOPMENT APPROVALS**

\_\_\_\_\_  
Bureau of Land Management



\_\_\_\_\_  
New Mexico Oil Conservation Division

\_\_\_\_\_  
Date

\_\_\_\_\_  
1-8-97  
Date

\_\_\_\_\_  
New Mexico Commissioner of Public Lands

\_\_\_\_\_  
Date

**SAN JUAN 28-5 UNIT WORKING INTEREST OWNERS**

Amoco Production Company

Bedrock Limited Partnership

Bolack Minerals Company

Burlington Resources Oil & Gas Company

EJE Brown Company

Estate of Carl R. McElvain

Harold O. Pool Irrevocable Trust

James M. Raymond, Ind. & as Trustee for Corinne M. Gay & Maydell M. Mast

Kerr McGee Corporation

Langdon D. Harrison

MAR Oil & Gas Corporation, Inc.

Phillips Petroleum Company

Robert P. Tinnin

Ruth Zimmerman Trust

Sunwest Bank for Katheen Quinn

T. H. McElvain Oil & Gas Limited Partnership

Thelma Pool Rev. Trust

Thomas & Mary Dugan

Vaughan-McElvain Energy, Inc.

Robert L. Bayless

Williams Production Company

# BURLINGTON RESOURCES

SAN JUAN DIVISION

September 30, 1996

Bureau of Land Management  
Farmington Resource Area  
1235 La Plata Highway  
Farmington, NM 87401

Commissioner of Public Lands  
State of New Mexico  
P. O. Box 1148  
Santa Fe, NM 87501-1148

Oil Conservation Division  
State of New Mexico  
2040 S. Pacheco  
Santa Fe, NM 87505

**RE: San Juan 28-5 Unit, #14-08-001-0949  
Second Amendment- 1996 Plan of Development  
Rio Arriba County, New Mexico**

Gentlemen:

By letter dated July 18, 1996, Meridian Oil Inc., now Burlington Resources Oil & Gas Company, as Unit Operator, filed the First Amendment to the 1996 Plan of Development (POD), which provided for the development of one MV/DK commingle well. It has subsequently been determined that the following additional wells should be included in the 1996 POD:

<u>Well Name</u>	<u>Drilling Block</u>	<u>Formation</u>
San Juan 28-5 Unit #35M	S½ Sec. 19, T28N-R5W	Mesaverde/Dakota Commingle
San Juan 28-5 Unit #58M	S½ Sec. 30, T28N-R5W	Mesaverde/Dakota Commingle

The wells are located within the exiting Participating Areas.

The working interest owners are being contacted regarding this Plan of Development by copy of this letter.

Burlington Resources Oil & Gas Company, as Unit Operator, plans to drill any offset wells required to prevent drainage of unitized substances and any other wells deemed necessary or desirable by the Unit Operator and the working interest owners.

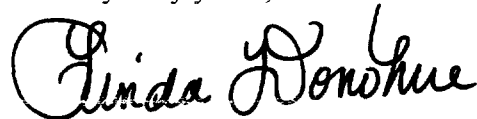
In accordance with Section 10 of the Unit Agreement, please advise of your approval by executing in the space provided and return a copy of this letter to the undersigned.



San Juan 28-5 Unit  
Second Amendment - 1996 POD  
Sept. 30, 1996  
Page 2

Please contact Linda Donohue at 326-9760 if there are any questions regarding this letter.

Very truly yours,




Linda Donohue  
Senior Landman

LD/cj  
Enclosures

xc: SJ 28-5 Unit, 3.0 (1996)  
San Juan 28-5 Unit Working Interest Owners

**SAN JUAN 28-5 UNIT  
SECOND AMENDMENT TO  
1996 PLAN OF DEVELOPMENT**

Approved: \_\_\_\_\_  
Bureau of Land Management Date

Approved:  \_\_\_\_\_  
New Mexico Oil Conservation Division Date 10-3-96

Approved: \_\_\_\_\_  
New Mexico Commissioner of Public Lands Date

## SAN JUAN 28-5 UNIT WORKING INTEREST OWNERS

Amoco Production Company

Bedrock Limited Partnership

Bolack Minerals Company

Burlington Resources Oil & Gas Company

EJE Brown Company

Estate of Carl R. McElvain

Harold O. Pool Irrevocable Trust

James M. Raymond, Ind. & as Trustee for Corinne M. Gay & Maydell M. Mast

Kerr McGee Corporation

Langdon D. Harrison

MAR Oil & Gas Corporation, Inc.

Phillips Petroleum Company

Robert P. Tinnin

Ruth Zimmerman Trust

Sunwest Bank for Katheen Quinn

T. H. McElvain Oil & Gas Limited Partnership

Thelma Pool Rev. Trust

Thomas & Mary Dugan

Vaughan-McElvain Energy, Inc.

Robert L. Bayless

Williams Production Company

July 18, 1996

Bureau of Land Management  
Farmington Resource Area  
1235 La Plata Highway  
Farmington, NM 87401

Commissioner of Public Lands  
State of New Mexico  
P. O. Box 1148  
Santa Fe, NM 87501-1148

Oil Conservation Division  
State of New Mexico  
2040 S. Pacheco  
Santa Fe, NM 87505

**RE: San Juan 28-5 Unit, #14-08-001-0949  
First Amendment- 1996 Plan of Development  
Rio Arriba County, New Mexico**

Gentlemen:

By letter dated February 1, 1996, Meridian Oil Inc., now Burlington Resources Oil & Gas Company, as Unit Operator, filed a Plan of Development (POD) for calendar year 1996. It has subsequently been determined that the following well should be included in the 1996 POD:

<u>Well Name</u>	<u>Drilling Block</u>	<u>Formation</u>
San Juan 28-5 Unit #64M	N½ Sec. 28, T28N-R5W	Mesaverde/Dakota Commingle

The well is located within the exiting Participating Areas.

The working interest owners are being contacted regarding this Plan of Development by copy of this letter.

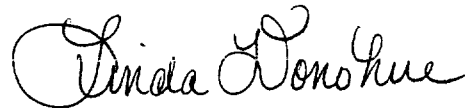
Burlington Resources Oil & Gas Company, as Unit Operator, plans to drill any offset wells required to prevent drainage of unitized substances and any other wells deemed necessary or desirable by the Unit Operator and the working interest owners.

In accordance with Section 10 of the Unit Agreement, please advise of your approval by executing in the space provided and return a copy of this letter to the undersigned.

San Juan 28-5 Unit  
First Amendment to 1996 POD  
July 18, 1996  
Page 2

Please contact Linda Donohue at 326-9760 if there are any questions regarding this letter.

Very truly yours,



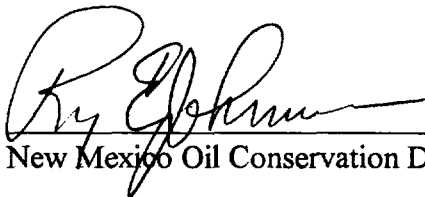
Linda Donohue  
Senior Landman

LD/cj  
Enclosures

xc: SJ 28-5 Unit, 3.0 (1996)  
San Juan 28-5 Unit Working Interest Owners

**SAN JUAN 28-5 UNIT  
FIRST AMENDMENT TO  
1996 PLAN OF DEVELOPMENT**

Approved: \_\_\_\_\_  
Bureau of Land Management Date \_\_\_\_\_

Approved:  \_\_\_\_\_  
New Mexico Oil Conservation Division Date 7-29-96

Approved: \_\_\_\_\_  
New Mexico Commissioner of Public Lands Date \_\_\_\_\_

## **SAN JUAN 28-5 UNIT WORKING INTEREST OWNERS**

Amoco Production Company

Bedrock Limited Partnership

Bolack Minerals Company

Burlington Resources Oil & Gas Company

EJE Brown Company

Estate of Carl R. McElvain

Harold O. Pool Irrevocable Trust

James M. Raymond, Ind. & as Trustee for Corinne M. Gay & Maydell M. Mast

Kerr McGee Corporation

Langdon D. Harrison

MAR Oil & Gas Corporation, Inc.

Phillips Petroleum Company

Robert P. Tinnin

Ruth Zimmerman Trust

Sunwest Bank for Katheen Quinn

T. H. McElvain Oil & Gas Limited Partnership

Thelma Pool Rev. Trust

Thomas & Mary Dugan

Vaughan-McElvain Energy, Inc.

Robert L. Bayless

Williams Production Company



# United States Department of the Interior

#553

## BUREAU OF LAND MANAGEMENT

Farmington District Office  
1235 La Plata Highway  
Farmington, New Mexico 87401

March 12, 1996

IN REPLY REFER TO:

SJ 28-5 Unit (Fruitland PA)  
3180 (07327)  
NM07400

Linda Donohue  
Meridian Oil  
P.O. Box 4289  
Farmington, New Mexico 87499-4289

RECEIVED  
BUREAU OF LAND MANAGEMENT  
MAR 14 1996 8 52

Dear Ms. Donohue:

We have concluded our review of your recent submittal for paying well determinations for 7 Fruitland Coal wells in the San Juan 28-5 Unit. Your submittal listed Unit Well #229 as a commercial well. The BLM evaluation determined that all of the wells submitted including well #229 were non-paying wells. Our analysis was based on projected reserves resulting from a decline curve analysis, combined with the economic factors (developmental costs, operating cost, and product prices) contained in your submittal. The following chart indicates the status of each well and the affected acreage:

Unit Well #	Acreage Dedication	Lease	Completion Date	Paying Well Determination
229	S/2 SEC 27, T-28N, R-5W	SF-079520	9-22-93	NON-PAYING
227	S/2 SEC 11, T-28N, R-5W	SF-079250	9-26-93	NON-PAYING
200	N/2 SEC 14, T-28N, R-5W	SF-079250	10-1-93	NON-PAYING
232	S/2 SEC 24, T-28N, R-5W	SF-079520	10-6-93	NON-PAYING
228	N/2 SEC 24, T-28N, R-5W	SF-079519	10-10-93	NON-PAYING
219	N/2 SEC 30, T-28N, R-5W	SF-079472	10-23-92	NON-PAYING
223	S/2 SEC 34, T-28N, R-5W	FEE	11-20-90	NON-PAYING

Please continue to report production from these wells under the lease number.

Under provisions of 43 CFR 3165.3, you may request an Administrative Review of the order(s) described above. Such request, including all supporting documents, must be filed in writing within 20 business days of receipt of this notice and must be filed with the State Director, Bureau of Land Management, P. O. Box 27115, Santa Fe, New Mexico 87502-0115.

-  
Such request shall not result in a suspension of the order(s) unless the reviewing official so determines. Procedures governing appeals from instructions, orders or decisions are contained in 43 CFR 3165.4 and 43 CFR 4.400 *et seq.*

If you have any questions regarding this correspondence, please contact Ray Hager at (505) 599-6366.

Sincerely,

~~of Duane Spencer~~

Duane Spencer  
Team Leader, Petroleum Management

bcc:

Commissioner of Public Lands, Santa Fe  
New Mexico Oil Conservation Division, Santa Fe  
San Juan 28-5 Unit Non-Paying File (w/submittal and technical reports)  
AIRS (non-paying well)  
Geneva (ALMRS non-paying well)  
3180  
DOM Reader  
Suspense: R Hager (070)  
07327:RHager:3-12-96:x366:28-5fcpa



# United States Department of the Interior

## BUREAU OF LAND MANAGEMENT

Farmington District Office  
1235 La Plata Highway  
Farmington, New Mexico 87401

RECEIVED  
MARCH 12 1996  
1996 MAR 12 09 08 52

IN REPLY REFER TO:

SJ 28-5 Unit (PC PA)  
3180 (07327)  
NM07400

March 12, 1996

Linda Donohue  
Meridian Oil  
P.O. Box 4289  
Farmington, New Mexico 87499-4289

Dear Ms. Donohue:

We have concluded our review of your recent submittal for paying well determinations for 5 Pictured Cliffs wells in the San Juan 28-5 Unit. Decline curve analysis indicates very low reserves from all of the wells. We concur with your determination that all of the wells are non-commercial. The following chart lists the wells, leases, and affected acreage.

Unit Well #	Acreage Dedication	Lease	Completion Date	Paying Well Determination
229	SW/4 SEC 27, T-28N, R-5W	SF-079520	9-22-93	NON-PAYING
227	SW/4 SEC 11, T-28N, R-5W	SF-079250	9-26-93	NON-PAYING
200	NE/4 SEC 14, T-28N, R-5W	SF-079250	10-1-93	NON-PAYING
232	SW/4 SEC 24, T-28N, R-5W	SF-079520	10-6-93	NON-PAYING
228	NE/4 SEC 24, T-28N, R-5W	SF-079519	10-10-93	NON-PAYING

Please continue to report production from these wells under the lease number.

Under provisions of 43 CFR 3165.3, you may request an Administrative Review of the order(s) described above. Such request, including all supporting documents, must be filed in writing within 20 business days of receipt of this notice and must be filed with the State Director, Bureau of Land Management, P. O. Box 27115, Santa Fe, New Mexico 87502-0115. Such request shall not result in a suspension of the order(s) unless the reviewing official so determines. Procedures governing appeals from instructions, orders or decisions are contained in 43 CFR 3165.4 and 43 CFR 4.400 *et seq.*

If you have any questions regarding this correspondence, please contact Ray Hager at (505) 599-6366.

Sincerely,

/s/ Duane Spencer

Duane Spencer  
Team Leader, Petroleum Management



bcc:

Commissioner of Public Lands, Santa Fe

New Mexico Oil Conservation Division, Santa Fe

San Juan 28-5 Unit Non-Paying File (w/submittal and technical reports)

AIRS (non-paying well)

Geneva (ALMRS non-paying well)

3180

DOM Reader

Suspense: R Hager (070)

07327:RHager:3-12-96:x366:28-5fcpa

February 1, 1996

Bureau of Land Management (3)  
Farmington Resource Area  
1235 La Plata Highway  
Farmington, NM 87401

Commissioner of Public Lands (2)  
State of New Mexico  
P. O. Box 1148  
Santa Fe, NM 87501-1148

Oil Conservation Division (2)  
State of New Mexico  
2040 S. Pacheco  
Santa Fe, NM 87505

**RE: SAN JUAN 28-5 UNIT, #14-08-001-0949  
1996 PLAN OF DEVELOPMENT  
RIO ARRIBA COUNTY, NEW MEXICO**

Gentlemen:

By letter dated March 13, 1995, Meridian Oil Inc., as Unit Operator for the referenced Unit, filed the Plan of Development (POD) for the calendar year 1995. This program provided for the drilling of one (1) Fruitland Coal well (#245, NW NE 22-28N-5W) during 1995, which was drilled.

The following Participating Areas currently exist in the unit:

<u>Formation</u>	<u>Expansion</u>	<u>Effective Date</u>
Pictured Cliffs	1st	5-1-81
Mesaverde	26th	8-1-61
Dakota	20th	11-1-79

There are twelve (12) Fruitland/Pictured Cliffs commingles and three (3) Fruitland wells pending commerciality determination.

Pursuant to Section 10 of the San Juan 28-5 Unit Agreement, Meridian Oil Inc., as Unit Operator, hereby submits no wells for the 1996 Plan of Development:

The working interest owners have been contacted regarding the 1996 Plan of Development.

Meridian Oil Inc., as Unit Operator, plans to drill any offset wells required to prevent drainage of unitized substances and any other wells deemed necessary or desirable by the Unit Operator and the working interest owners.

SJ 28-5 POD  
February 1, 1996  
Page 2

In accordance with Section 10 of the Unit Agreement, please advise of your approval by executing in the space provided below and return a copy to the undersigned.

Please contact the undersigned at 326-9760 if there are any questions regarding this letter.

Copies of this letter are being sent to the working interest owners shown on the attached sheet.

Yours very truly,



Linda Donohue  
Senior Landman


LD/cj  
Enclosures

File: SJ 28-5 Unit, 3.0 (1996)

**1996 PLAN OF DEVELOPMENT APPROVALS**

\_\_\_\_\_  
Bureau of Land Management

\_\_\_\_\_  
Date

  
\_\_\_\_\_  
New Mexico Oil Conservation Division

2/26/96  
\_\_\_\_\_  
Date

\_\_\_\_\_  
New Mexico Commissioner of Public Lands

\_\_\_\_\_  
Date

## **SAN JUAN 28-5 UNIT WORKING INTEREST OWNERS**

Amoco Production Company

Bolack Minerals Company

EJE Brown Company

El Paso Production Company

Estate of Carl R. McElvain

Harold O. Pool Irrevocable Trust

James M. Raymond, Ind. & as Trustee for Corinne M. Gay & Maydell M. Mast

Kerr McGee Corporation

Langdon D. Harrison

MAR Oil & Gas Corporation, Inc.

Meridian Oil Production Inc.

Phillips Petroleum Company

Robert P. Tinnin

Ruth Zimmerman Trust

Sunwest Bank for Katheen Quinn

T. H. McElvain Oil & Gas Limited Partnership

Thelma Pool Rev. Trust

Thomas & Mary Dugan

Vaughan-McElvain Energy, Inc.

Robert L. Bayless

RECEIVED  
FEB 28 1996

February 28, 1996

Bureau of Land Management  
Farmington Resource Area  
Attn: Mr. Duane Spencer  
1235 La Plata Highway  
Farmington, NM 87401

State of New Mexico  
Commissioner of Public Lands  
Attn: Mr. Floyd O. Prando  
P.O. Box 1148  
Santa Fe, NM 87504-1148

State of New Mexico  
Oil Conservation Division  
Attn: Mr. William J. LeMay  
2040 South Pacheco  
Santa Fe, NM 87505

RE: San Juan 28-5 Unit (#14-08-001-949)  
Commercial Determinations  
Fruitland Coal Formation  
Rio Arriba County, New Mexico

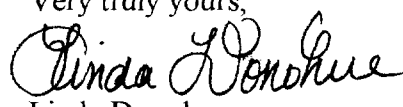
Gentlemen:

Pursuant to the provisions of Section 11(a) of the San Juan 28-5 Unit Agreement, #14-08-001-949, approved August 25, 1953, Meridian Oil Inc., as Operator, has determined that one of the wells listed below is capable of producing unitized substances in paying quantities from the Fruitland Coal formation. Meridian is seeking confirmation of the paying well determination enclosed. An Economic Summary Sheet is also enclosed.

<u>Meridian's DP No.</u>	<u>Well Name &amp; Number</u>	<u>Well Dedication</u>	<u>Dedicated Lease</u>	<u>Perfs</u>	<u>Completion Date</u>	<u>Commerciality Determination</u>
37698A	San Juan 28-5 #229	S/2 27-28N-5W	NMSF-079520	3455-3612'	9/22/93	Commercial
37861A	San Juan 28-5 #227	S/2 11-28N-5W	NMSF-079250	3802-3896'	9/26/93	Non-Commercial
37860A	San Juan 28-5 #200	N/2 14-28N-5W	NMSF-079250	4065-4228'	10/1/93	Non-Commercial
37828A	San Juan 28-5 #232	S/2 24-28N-5W	NMSF-079520	4071-4222'	10/6/93	Non-Commercial
37830A	San Juan 28-5 #228	N/2 24-28N-5W	NMSF-079519	4195-4344'	10/10/93	Non-Commercial
5285A	San Juan 28-5 #219	N/2 30-28N-5W	NMSF-079472	3279-3415'	10/23/92	Non-Commercial
5256A	San Juan 28-5 #223	S/2 34-28N-5W	Fee	3350-3415'	11/20/90	Non-Commercial

Upon receipt of response from the Bureau of Land Management and concurring responses from the Commissioner of Public Lands and New Mexico Oil Conservation Division, the formal Participating Area Schedules will be prepared and submitted.

Copies of this letter are being sent to the working interest owners on the attached sheet. If you have any questions or need any additional information, please contact the undersigned at (505) 326-9760.

Very truly yours,  
  
Linda Donohue  
Senior Landman

LKD:ll

S.J. 28-5 Unit, 4.5

**SAN JUAN 28-5 UNIT WORKING INTEREST OWNERS**

Amoco Production Company

Bedrock Limited Partnership

Bolack Minerals Company

EJE Brown Company

El Paso Production Company

Estate of Carl R. McElvain

Harold O. Pool Irrevocable Trust

James M. Raymond, Ind. & as Trustee for Corinne M. Gay & Maydell M. Mast

Kerr McGee Corporation

Langdon D. Harrison

MAR Oil & Gas Corporation, Inc.

Meridian Oil Production Inc.

Phillips Petroleum Company

Robert P. Tinnin

Ruth Zimmerman Trust

Sunwest Bank for Katheen Quinn

T. H. McElvain Oil & Gas Limited Partnership

Thelma Pool Rev. Trust

Thomas & Mary Dugan

Vaughan-McElvain Energy, Inc.

Robert L. Bayless

Williams Production Company

**MERIDIAN OIL INC**  
**COMMERICALITY DETERMINATION**  
**BLM DATA SHEET**

2/13/96

**FOR LEASE: SAN JUAN 28-5 UNIT # 229**

**WELL INFORMATION:**

LOCATION 028N005W27M  
 COUNTY RIO ARRIBA  
 STATE NM  
 FORMATION BASIN (FRUTLAND COAL)  
 OPERATOR MERIDIAN OIL INC  
 SPUD DATE 6/15/93  
 COMP DATE 9/22/93  
 FIRST GAS 2/28/94  
 COMM GWI 100.00 MOI GWI 65.00  
 COMM NRI 87.50 MOI NRI 53.98

**PRODUCTION TAXES:**

TAXES FOR 1994	GAS % OF REVENUE	
SEVERANCE	NM	3.75 %
SCHOOL	NM	4.00 %
AD VALOREM	NM	1.21 %
CONSERVATION	NM	0.18 %
PROD. EQUIP.	NM	<u>0.22</u> %
TOTAL		9.36 %

**PRESSURE DATA:**

DATE  
 WHSIP 1,019.00  
 BHSIP 1,139.00

**WELL COST DATA:**

AVERAGE WELL COST \$ 392.00 M  
 PAYOUT YEARS 12.02

**ESTIMATED GROSS ANNUAL PRODUCTION AND OPERATING EXPENSES:**

YEAR	ESTIMATED ANNUAL PRODUCTION			OPERATING EXPENSES		
	GAS (MMCF)	OIL (MBO)	WATER (MBW)	BASE (M\$)	WATER (M\$)	TOTAL (M\$)
1994	51.72	0.00	0.00	0.79	0.00	0.79
1995	49.81	0.00	0.00	0.86	0.00	0.86
1996	49.57	0.00	0.00	0.86	0.00	0.86
1997	46.94	0.00	0.00	0.86	0.00	0.86
1998	44.44	0.00	0.00	0.86	0.00	0.86
1999	42.08	0.00	0.00	0.86	0.00	0.86
2000	39.85	0.00	0.00	0.86	0.00	0.86
2001	37.73	0.00	0.00	0.86	0.00	0.86
2002	35.73	0.00	0.00	0.86	0.00	0.86
2003	33.83	0.00	0.00	0.86	0.00	0.86
2004	32.03	0.00	0.00	0.86	0.00	0.86
2005	30.33	0.00	0.00	0.86	0.00	0.86

**MERIDIAN OIL INC**  
**COMMERCIALITY DETERMINATION**  
**BLM DATA SHEET**

2/13/96

**FOR LEASE: SAN JUAN 28-5 UNIT**

**# 229**

**WELL INFORMATION:**

LOCATION 028N005W27M  
 COUNTY RIO ARRIBA  
 STATE NM  
 FORMATION BASIN (FRUITLAND COAL)  
 OPERATOR MERIDIAN OIL INC  
 SPUD DATE 6/15/93  
 COMP DATE 9/22/93  
 FIRST GAS 2/28/94  
 COMM GWI 100.00      MOI GWI 65.00  
 COMM NRI 87.50      MOI NRI 53.98

**PRODUCTION TAXES:**

TAXES FOR 1994		<u>GAS % OF REVENUE</u>	
SEVERANCE	NM	3.75	%
SCHOOL	NM	4.00	%
AD VALOREM	NM	1.21	%
CONSERVATION	NM	0.18	%
PROD. EQUIP.	NM	<u>0.22</u>	%
TOTAL		9.36	%

**AVERAGE HEAT CONTENT**

1,144 MMBtu / Mcf

**WELL COST DATA:**

AVERAGE WELL COST \$ 392.00 M  
 PAYOUT YEARS 12.02

**AVERAGE PRODUCT PRICING**

PRICE/GAS \$ / MCF	YEAR
0.94	12/90
0.54	12/91
0.89	12/92
1.43	12/93
1.29	12/94
0.91	TO LIFE



**MERIDIAN OIL INC  
 COMMERICALITY DETERMINATION  
 BLM DATA SHEET**

2/13/96

**FOR LEASE: SAN JUAN 28-5 UNIT # 200**

**WELL INFORMATION:**

LOCATION 028N005W14H  
 COUNTY RIO ARRIBA  
 STATE NM  
 FORMATION BASIN (FRUITLAND COAL)  
 OPERATOR MERIDIAN OIL INC  
 SPUD DATE 8/10/93  
 COMP DATE 10/ 1/93  
 FIRST GAS 12/31/93  
 COMM GWI 100.00 MOI GWI 100.00  
 COMM NRI 87.50 MOI NRI 82.50

**PRODUCTION TAXES:**

TAXES FOR 1994		GAS % OF REVENUE	
SEVERANCE	NM	3.75	%
SCHOOL	NM	4.00	%
AD VALOREM	NM	1.21	%
CONSERVATION	NM	0.18	%
PROD. EQUIP.	NM	<u>0.22</u>	%
TOTAL		9.36	%

**PRESSURE DATA:**

DATE 9/28/93  
 WHSIP 0.00  
 BHSIP 1,141.00

**WELL COST DATA:**

AVERAGE WELL COST \$ 392.00 M  
 PAYOUT YEARS 2.08

**ESTIMATED GROSS ANNUAL PRODUCTION AND OPERATING EXPENSES:**

YEAR	ESTIMATED ANNUAL PRODUCTION			OPERATING EXPENSES		
	GAS (MMCF)	OIL (MBO)	WATER (MBW)	BASE (M\$)	WATER (M\$)	TOTAL (M\$)
1993	0.80	0.00	0.00	0.07	0.00	0.07
1994	4.50	0.00	0.00	0.86	0.00	0.86

**MERIDIAN OIL INC**  
**COMMERCIALITY DETERMINATION**  
**BLM DATA SHEET**

2/13/96

**FOR LEASE: SAN JUAN 28-5 UNIT # 200**

**WELL INFORMATION:**

LOCATION 028N005W14H  
 COUNTY RIO ARRIBA  
 STATE NM  
 FORMATION BASIN (FRUTLAND COAL)  
 OPERATOR MERIDIAN OIL INC  
 SPUD DATE 8/10/93  
 COMP DATE 10/ 1/93  
 FIRST GAS 12/31/93  
 COMM GWI 100.00 MOI GWI 100.00  
 COMM NRI 87.50 MOI NRI 82.50

**PRODUCTION TAXES:**

TAXES FOR 1994		<u>GAS % OF REVENUE</u>	
SEVERANCE	NM	3.75	%
SCHOOL	NM	4.00	%
AD VALOREM	NM	1.21	%
CONSERVATION	NM	0.18	%
PROD. EQUIP.	NM	<u>0.22</u>	%
TOTAL		9.36	%

**AVERAGE HEAT CONTENT**

1,144 MMBtu / Mcf

**WELL COST DATA:**

AVERAGE WELL COST \$ 392.00 M  
 PAYOUT YEARS 2.08

**AVERAGE PRODUCT PRICING**

PRICE/GAS \$ / MCF	YEAR
1.35	12/90
1.01	12/91
1.49	12/92
1.59	12/93
1.32	12/94
0.95	TO LIFE

**MERIDIAN OIL INC**  
**COMMERICALITY DETERMINATION**  
**BLM DATA SHEET**

2/13/96

**FOR LEASE: SAN JUAN 28-5 UNIT # 219**

**WELL INFORMATION:**

LOCATION 028N005W30A  
 COUNTY RIO ARRIBA  
 STATE NM  
 FORMATION BASIN (FRUITLAND COAL)  
 OPERATOR MERIDIAN OIL INC  
 SPUD DATE 11/ 6/90  
 COMP DATE 10/23/92  
 FIRST GAS 11/30/93  
 COMM GWI 100.00 MOI GWI 50.00  
 COMM NRI 87.50 MOI NRI 38.75

**PRODUCTION TAXES:**

TAXES FOR 1994	GAS % OF REVENUE	
SEVERANCE	NM	3.75 %
SCHOOL	NM	4.00 %
AD VALOREM	NM	1.21 %
CONSERVATION	NM	0.18 %
PROD. EQUIP.	NM	<u>0.22</u> %
TOTAL		9.36 %

**PRESSURE DATA:**

DATE 11/ 4/92  
 WHSIP 903.00  
 BHSIP 997.00

**WELL COST DATA:**

AVERAGE WELL COST \$ 392.00 M  
 PAYOUT YEARS 17.89

**ESTIMATED GROSS ANNUAL PRODUCTION AND OPERATING EXPENSES:**

YEAR	ESTIMATED ANNUAL PRODUCTION			OPERATING EXPENSES		
	GAS (MMCF)	OIL (MBO)	WATER (MBW)	BASE (M\$)	WATER (M\$)	TOTAL (M\$)
1993	4.07	0.00	0.00	0.86	0.00	0.86
1994	37.44	0.00	0.00	0.86	0.00	0.86
1995	32.11	0.00	0.00	0.86	0.00	0.86
1996	35.93	0.00	0.00	0.86	0.00	0.86
1997	34.67	0.00	0.00	0.86	0.00	0.86
1998	33.46	0.00	0.00	0.86	0.00	0.86
1999	32.28	0.00	0.00	0.86	0.00	0.86
2000	31.15	0.00	0.00	0.86	0.00	0.86
2001	30.06	0.00	0.00	0.86	0.00	0.86
2002	29.01	0.00	0.00	0.86	0.00	0.86
2003	28.00	0.00	0.00	0.86	0.00	0.86
2004	27.02	0.00	0.00	0.86	0.00	0.86
2005	26.07	0.00	0.00	0.86	0.00	0.86

**MERIDIAN OIL INC  
 COMMERCIALITY DETERMINATION  
 BLM DATA SHEET**

2/13/96

**FOR LEASE: SAN JUAN 28-5 UNIT**

**# 219**

**WELL INFORMATION:**

LOCATION 028N005W30A  
 COUNTY RIO ARriba  
 STATE NM  
 FORMATION BASIN (FRUITLAND COAL)  
 OPERATOR MERIDIAN OIL INC  
 SPUD DATE 11/ 6/90  
 COMP DATE 10/23/92  
 FIRST GAS 11/30/93  
 COMM GWI 100.00      MOI GWI 50.00  
 COMM NRI 87.50      MOI NRI 38.75

**PRODUCTION TAXES:**

TAXES FOR 1994		GAS % OF REVENUE	
SEVERANCE	NM	3.75	%
SCHOOL	NM	4.00	%
AD VALOREM	NM	1.21	%
CONSERVATION	NM	0.18	%
PROD. EQUIP.	NM	<u>0.22</u>	%
TOTAL		9.36	%

**AVERAGE HEAT CONTENT**

1,144 MMBtu / Mcf

**WELL COST DATA:**

AVERAGE WELL COST \$ 392.00 M  
 PAYOUT YEARS 17.89

**AVERAGE PRODUCT PRICING**

PRICE/GAS \$ / MCF	YEAR
0.94	12/90
0.54	12/91
0.89	12/92
1.43	12/93
1.29	12/94
0.91	TO LIFE

**MERIDIAN OIL INC**  
**COMMERCIALITY DETERMINATION**  
**BLM DATA SHEET**

2/13/96

**FOR LEASE: SAN JUAN 28-5 UNIT # 223**

**WELL INFORMATION:**

LOCATION 028N005W34L  
 COUNTY RIO ARRIBA  
 STATE NM  
 FORMATION BASIN (FRUTLAND COAL)  
 OPERATOR MERIDIAN OIL INC  
 SPUD DATE 11/ 1/90  
 COMP DATE 11/20/90  
 FIRST GAS 1/31/93  
 COMM GWI 100.00 MOI GWI 0.00  
 COMM NRI 87.50 MOI NRI 0.06

**PRODUCTION TAXES:**

TAXES FOR 1994		GAS % OF REVENUE
SEVERANCE	NM	3.75 %
SCHOOL	NM	4.00 %
AD VALOREM	NM	1.21 %
CONSERVATION	NM	0.18 %
PROD. EQUIP.	NM	<u>0.22</u> %
TOTAL		9.36 %

**PRESSURE DATA:**

DATE 12/ 1/90  
 WHSIP 1,090.00  
 BHSIP 1,196.00

**WELL COST DATA:**

AVERAGE WELL COST \$ 392.00 M  
 PAYOUT YEARS 20.08

**ESTIMATED GROSS ANNUAL PRODUCTION AND OPERATING EXPENSES:**

YEAR	ESTIMATED ANNUAL PRODUCTION			OPERATING EXPENSES		
	GAS (MMCF)	OIL (MBO)	WATER (MBW)	BASE (M\$)	WATER (M\$)	TOTAL (M\$)
1993	34.69	0.00	0.00	0.79	0.00	0.79
1994	13.99	0.00	0.00	0.86	0.00	0.86
1995	16.44	0.00	0.00	0.86	0.00	0.86
1996	14.83	0.00	0.00	0.86	0.00	0.86
1997	13.16	0.00	0.00	0.86	0.00	0.86
1998	11.67	0.00	0.00	0.86	0.00	0.86
1999	10.36	0.00	0.00	0.86	0.00	0.86
2000	9.19	0.00	0.00	0.86	0.00	0.86
2001	8.15	0.00	0.00	0.86	0.00	0.86
2002	7.24	0.00	0.00	0.86	0.00	0.86
2003	6.42	0.00	0.00	0.86	0.00	0.86
2004	5.70	0.00	0.00	0.86	0.00	0.86
2005	5.06	0.00	0.00	0.86	0.00	0.86

**MERIDIAN OIL INC  
 COMMERCIALITY DETERMINATION  
 BLM DATA SHEET**

2/13/96

**FOR LEASE: SAN JUAN 28-5 UNIT**

**# 223**

**WELL INFORMATION:**

LOCATION 028N005W34L  
 COUNTY RIO ARRIBA  
 STATE NM  
 FORMATION BASIN (FRUITLAND COAL)  
 OPERATOR MERIDIAN OIL INC  
 SPUD DATE 11/ 1/90  
 COMP DATE 11/20/90  
 FIRST GAS 1/31/93  
 COMM GWI 100.00      MOI GWI 0.00  
 COMM NRI 87.50      MOI NRI 0.06

**PRODUCTION TAXES:**

TAXES FOR 1994		GAS % OF REVENUE
SEVERANCE	NM	3.75 %
SCHOOL	NM	4.00 %
AD VALOREM	NM	1.21 %
CONSERVATION	NM	0.18 %
PROD. EQUIP.	NM	<u>0.22</u> %
TOTAL		9.36 %

**AVERAGE HEAT CONTENT**

1,144 MMBtu / Mcf

**WELL COST DATA:**

AVERAGE WELL COST \$ 392.00 M  
 PAYOUT YEARS 20.08

**AVERAGE PRODUCT PRICING**

PRICE/GAS \$/ MCF	YEAR
0.94	12/90
0.54	12/91
0.89	12/92
1.43	12/93
1.29	12/94
0.91	TO LIFE

**MERIDIAN OIL INC**  
**COMMERICALITY DETERMINATION**  
**BLM DATA SHEET**

2/13/96

**FOR LEASE: SAN JUAN 28-5 UNIT # 227**

**WELL INFORMATION:**

LOCATION 028N005W11M  
 COUNTY RIO ARRIBA  
 STATE NM  
 FORMATION BASIN (FRUITLAND COAL)  
 OPERATOR MERIDIAN OIL INC  
 SPUD DATE 8/ 2/93  
 COMP DATE 9/26/93  
 FIRST GAS 1/31/94  
 COMM GWI 100.00 MOI GWI 100.00  
 COMM NRI 87.50 MOI NRI 82.50

**PRODUCTION TAXES:**

TAXES FOR 1994		GAS % OF REVENUE
SEVERANCE	NM	3.75 %
SCHOOL	NM	4.00 %
AD VALOREM	NM	1.21 %
CONSERVATION	NM	0.18 %
PROD. EQUIP.	NM	<u>0.22</u> %
TOTAL		9.36 %

**PRESSURE DATA:**

DATE 9/14/93  
 WHSIP 970.00  
 BHSIP 979.00

**WELL COST DATA:**

AVERAGE WELL COST \$ 392.00 M  
 PAYOUT YEARS 11.83

**ESTIMATED GROSS ANNUAL PRODUCTION AND OPERATING EXPENSES:**

YEAR	ESTIMATED ANNUAL PRODUCTION			OPERATING EXPENSES		
	GAS (MMCF)	OIL (MBO)	WATER (MBW)	BASE (M\$)	WATER (M\$)	TOTAL (M\$)
1994	7.21	0.00	0.00	0.79	0.00	0.79
1995	8.25	0.00	0.00	0.86	0.00	0.86
1996	13.90	0.00	0.00	0.86	0.00	0.86
1997	11.81	0.00	0.00	0.86	0.00	0.86
1998	10.04	0.00	0.00	0.86	0.00	0.86
1999	8.54	0.00	0.00	0.86	0.00	0.86
2000	7.26	0.00	0.00	0.86	0.00	0.86
2001	6.17	0.00	0.00	0.86	0.00	0.86
2002	5.25	0.00	0.00	0.86	0.00	0.86
2003	4.46	0.00	0.00	0.86	0.00	0.86
2004	3.20	0.00	0.00	0.72	0.00	0.72

**MERIDIAN OIL INC  
 COMMERICALITY DETERMINATION  
 BLM DATA SHEET**

2/13/96

**FOR LEASE: SAN JUAN 28-5 UNIT**

**# 227**

**WELL INFORMATION:**

LOCATION 028N005W11M  
 COUNTY RIO ARriba  
 STATE NM  
 FORMATION BASIN (FRUTLAND COAL)  
 OPERATOR MERIDIAN OIL INC  
 SPUD DATE 8/ 2/93  
 COMP DATE 9/26/93  
 FIRST GAS 1/31/94  
 COMM GWI 100.00      MOI GWI 100.00  
 COMM NRI 87.50      MOI NRI 82.50

**PRODUCTION TAXES:**

TAXES FOR 1994		GAS % OF <u>REVENUE</u>	
SEVERANCE	NM	3.75	%
SCHOOL	NM	4.00	%
AD VALOREM	NM	1.21	%
CONSERVATION	NM	0.18	%
PROD. EQUIP.	NM	<u>0.22</u>	%
TOTAL		9.36	%

**AVERAGE HEAT CONTENT**

1,144 MMBtu / Mcf

**WELL COST DATA:**

AVERAGE WELL COST \$ 392.00 M  
 PAYOUT YEARS 11.83

**AVERAGE PRODUCT PRICING**

PRICE/GAS \$/ MCF	YEAR
1.35	12/90
1.01	12/91
1.49	12/92
1.59	12/93
1.32	12/94
0.95	TO LIFE



**MERIDIAN OIL INC**  
**COMMERICALITY DETERMINATION**  
**BLM DATA SHEET**

2/13/96

**FOR LEASE: SAN JUAN 28-5 UNIT # 228**

**WELL INFORMATION:**

LOCATION 028N005W24A  
 COUNTY RIO ARRIBA  
 STATE NM  
 FORMATION BASIN (FRUITLAND COAL)  
 OPERATOR MERIDIAN OIL INC  
 SPUD DATE 9/ 1/93  
 COMP DATE 10/10/93  
 FIRST GAS 1/31/94  
 COMM GWI 100.00 MOI GWI 65.00  
 COMM NRI 87.50 MOI NRI 53.98

**PRODUCTION TAXES:**

TAXES FOR 1994	GAS % OF REVENUE	
SEVERANCE	NM	3.75 %
SCHOOL	NM	4.00 %
AD VALOREM	NM	1.21 %
CONSERVATION	NM	0.18 %
PROD. EQUIP.	NM	<u>0.22</u> %
TOTAL		9.36 %

**PRESSURE DATA:**

DATE 9/28/93  
 WHSIP 1,032.00  
 BHSIP 1,177.00

**WELL COST DATA:**

AVERAGE WELL COST \$ 392.00 M  
 PAYOUT YEARS 1.17

**ESTIMATED GROSS ANNUAL PRODUCTION AND OPERATING EXPENSES:**

YEAR	ESTIMATED ANNUAL PRODUCTION			OPERATING EXPENSES		
	GAS (MMCF)	OIL (MBO)	WATER (MBW)	BASE (M\$)	WATER (M\$)	TOTAL (M\$)
1994	1.13	0.00	0.00	0.07	0.00	0.07

**MERIDIAN OIL INC**  
**COMMERCIALITY DETERMINATION**  
**BLM DATA SHEET**

2/13/96

**FOR LEASE: SAN JUAN 28-5 UNIT # 228**

**WELL INFORMATION:**

LOCATION 028N005W24A  
 COUNTY RIO ARRIBA  
 STATE NM  
 FORMATION BASIN (FRUITLAND COAL)  
 OPERATOR MERIDIAN OIL INC  
 SPUD DATE 9/ 1/93  
 COMP DATE 10/10/93  
 FIRST GAS 1/31/94  
 COMM GWI 100.00 MOI GWI 65.00  
 COMM NRI 87.50 MOI NRI 53.98

**PRODUCTION TAXES:**

TAXES FOR 1994		GAS % OF REVENUE
SEVERANCE	NM	3.75 %
SCHOOL	NM	4.00 %
AD VALOREM	NM	1.21 %
CONSERVATION	NM	0.18 %
PROD. EQUIP.	NM	0.22 %
TOTAL		9.36 %

**AVERAGE HEAT CONTENT**

1,144 MMBtu / Mcf

**WELL COST DATA:**

AVERAGE WELL COST \$ 392.00 M  
 PAYOUT YEARS 1.17

**AVERAGE PRODUCT PRICING**

PRICE/GAS \$/MCF	YEAR
1.35	12/90
1.01	12/91
1.49	12/92
1.59	12/93
1.32	12/94
0.95	TO LIFE

**MERIDIAN OIL INC**  
**COMMERICALITY DETERMINATION**  
**BLM DATA SHEET**

2/13/96

**FOR LEASE: SAN JUAN 28-5 UNIT # 232**

**WELL INFORMATION:**

LOCATION 028N005W24L  
 COUNTY RIO ARRIBA  
 STATE NM  
 FORMATION BASIN (FRUITLAND COAL)  
 OPERATOR MERIDIAN OIL INC  
 SPUD DATE 8/21/93  
 COMP DATE 10/ 6/93  
 FIRST GAS 12/31/93  
 COMM GWI 100.00 MOI GWI 65.00  
 COMM NRI 87.50 MOI NRI 53.98

**PRODUCTION TAXES:**

TAXES FOR 1994		GAS % OF REVENUE
SEVERANCE	NM	3.75 %
SCHOOL	NM	4.00 %
AD VALOREM	NM	1.21 %
CONSERVATION	NM	0.18 %
PROD. EQUIP.	NM	<u>0.22</u> %
TOTAL		9.36 %

**PRESSURE DATA:**

DATE  
 WHSIP 910.00  
 BHSIP 1,034.00

**WELL COST DATA:**

AVERAGE WELL COST \$ 392.00 M  
 PAYOUT YEARS 9.58

**ESTIMATED GROSS ANNUAL PRODUCTION AND OPERATING EXPENSES:**

YEAR	ESTIMATED ANNUAL PRODUCTION			OPERATING EXPENSES		
	GAS (MMCF)	OIL (MBO)	WATER (MBW)	BASE (M\$)	WATER (M\$)	TOTAL (M\$)
1993	2.13	0.00	0.00	0.07	0.00	0.07
1994	5.56	0.00	0.00	0.86	0.00	0.86
1995	4.10	0.00	0.00	0.86	0.00	0.86
1996	9.65	0.00	0.00	0.86	0.00	0.86
1997	8.21	0.00	0.00	0.86	0.00	0.86
1998	6.97	0.00	0.00	0.86	0.00	0.86
1999	5.93	0.00	0.00	0.86	0.00	0.86
2000	5.04	0.00	0.00	0.86	0.00	0.86
2001	4.28	0.00	0.00	0.86	0.00	0.86
2002	2.20	0.00	0.00	0.50	0.00	0.50

**MERIDIAN OIL INC  
 COMMERCIALITY DETERMINATION  
 BLM DATA SHEET**

2/13/96

**FOR LEASE: SAN JUAN 28-5 UNIT**

**# 232**

**WELL INFORMATION:**

LOCATION 028N005W24L  
 COUNTY RIO ARRIBA  
 STATE NM  
 FORMATION BASIN (FRUITLAND COAL)  
 OPERATOR MERIDIAN OIL INC  
 SPUD DATE 8/21/93  
 COMP DATE 10/ 6/93  
 FIRST GAS 12/31/93  
 COMM GWI 100.00 MOI GWI 65.00  
 COMM NRI 87.50 MOI NRI 53.98

**PRODUCTION TAXES:**

TAXES FOR 1994		GAS % OF <u>REVENUE</u>
SEVERANCE	NM	3.75 %
SCHOOL	NM	4.00 %
AD VALOREM	NM	1.21 %
CONSERVATION	NM	0.18 %
PROD. EQUIP.	NM	<u>0.22</u> %
TOTAL		9.36 %

**AVERAGE HEAT CONTENT**

1,144 MMBtu / Mcf

**WELL COST DATA:**

AVERAGE WELL COST \$ 392.00 M  
 PAYOUT YEARS 9.58

**AVERAGE PRODUCT PRICING**

PRICE/GAS \$/ MCF	YEAR
1.35	12/90
1.01	12/91
1.49	12/92
1.59	12/93
1.32	12/94
0.95	TO LIFE

**MERIDIAN OIL**

RECEIVED  
B.L. DIVISION  
195 706-20  
MAY 8 52  
March 13, 1995

RETAIN FOR YOUR FILES

#553

Bureau of Land Management (3)  
Farmington Resource Area  
1235 La Plata Highway  
Farmington, NM 87401

Commissioner of Public Lands (2)  
State of New Mexico  
P. O. Box 1148  
Santa Fe, NM 87501-1148

Oil Conservation Division (2)  
State of New Mexico  
2040 S. Pacheco  
Santa Fe, NM 87505

**RE: SAN JUAN 28-5 UNIT, #14-08-001-0949  
RIO ARRIBA COUNTY, NEW MEXICO  
1995 PLAN OF DEVELOPMENT**

Gentlemen:

By letters dated March 16, 1994 and May 16, 1994, Meridian Oil Inc., as Unit Operator for the referenced Unit, filed the Plan of Development (POD) for the calendar year 1994. This program provided for the drilling of eight (8) Fruitland/Pictured Cliffs commingle wells during 1994. All of the wells were drilled with the exception of the San Juan 28-5 Unit #241, S½ 16-28N-5W which should be cancelled from the Plan of Development.

The following Participating Areas currently exist in the unit:

<u>Formation</u>	<u>Expansion</u>	<u>Effective Date</u>
Pictured Cliffs	1st	5-1-81
Mesaverde	26th	8-1-61
Dakota	20th	11-1-79

There are twelve (12) Fruitland/Pictured Cliffs commingles and two (2) Fruitland wells waiting on commerciality determination.

Pursuant to Section 10 of the San Juan 28-5 Unit Agreement, Meridian Oil Inc., as Unit Operator, hereby submits that the following well be drilled for the 1995 Plan of Development:

<u>Well Name</u>	<u>Location</u>	<u>Formation</u>
San Juan 28-5 Unit #245	N½ Sec. 22, T28N-R5W	Fruitland

The working interest owners have been contacted regarding the Plan of Development.

SJ 28-5 POD  
March 13, 1995  
Page 2

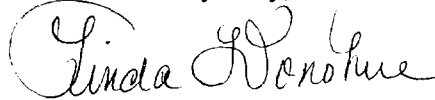
Meridian Oil Inc., as Unit Operator, plans to drill any offset wells required to prevent drainage of unitized substances and any other wells deemed necessary or desirable by the Unit Operator and the working interest owners.

In accordance with Section 10 of the Unit Agreement, please advise of your approval by executing in the space provided below and return a copy to the undersigned.

Please contact the undersigned at 326-9760 if there are any questions regarding this letter.

Copies of this letter are being sent to the working interest owners shown on the attached sheet.

Yours very truly,



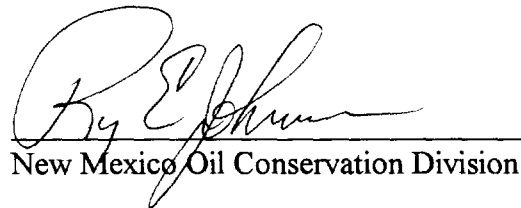
Linda Donohue  
Senior Landman

LD/cj  
ldplan95.15  
Enclosures

File: SJ 28-5 Unit, 3.0 (1995)

**1995 PLAN OF DEVELOPMENT APPROVALS**

\_\_\_\_\_  
Bureau of Land Management

  
\_\_\_\_\_  
New Mexico Oil Conservation Division

\_\_\_\_\_  
Date

3-22-95  
\_\_\_\_\_  
Date

\_\_\_\_\_  
New Mexico Commissioner of Public Lands

\_\_\_\_\_  
Date

**SAN JUAN 28-5 UNIT WORKING INTEREST OWNERS**

Amoco Production Company

Williams Production Company

Bolack Minerals Company

EJE Brown Company

El Paso Production Company

Estate of Carl R. McElvain

Harold O. Pool Irrevocable Trust

James M. Raymond, Ind. & as Trustee for Corinne M. Gay & Maydell M. Mast

Kerr McGee Corporation

Langdon D. Harrison

MAR Oil & Gas Corporation, Inc.

Meridian Oil Production Inc.

Phillips Petroleum Company

Robert P. Tinnin

Ruth Zimmerman Trust

Sunwest Bank for Katheen Quinn

T. H. & Nancy Harrington

T. H. McElvain Oil & Gas Limited Partnership

Thelma Pool Rev. Trust

Thomas Dugan

Vaughan-McElvain Energy, Inc.

Robert L. Bayless

# MERIDIAN OIL

March 16, 1994

553

Oil Conservation Division  
Santa Fe, NM

MAR 22 1994

Bureau of Land Management (3)  
Farmington Resource Area  
1235 La Plata Highway  
Farmington, NM 87401

Commissioner of Public Lands (2)  
State of New Mexico  
P. O. Box 1148  
Santa Fe, NM 87501-1148

Oil Conservation Division (2)  
State of New Mexico  
P. O. Box 2088  
Santa Fe, NM 87501-2088

**RE: SAN JUAN 28-5 Unit, #14-08-001-0949  
RIO ARRIBA COUNTY, NEW MEXICO  
1994 PLAN OF DEVELOPMENT**

Gentlemen:

By letter dated February 25, 1993, Meridian Oil Inc., as Unit Operator, for the referenced Unit, filed the Plan of Development for the calendar year 1993. This program provided for the drilling of six (6) Fruitland/Pictured Cliffs commingle wells during 1993. All of the wells were drilled with the exception of the San Juan 28-5 Unit #233, S/2 14-28N-5W which should be cancelled from the Plan of Development.

As of this date, the total number of wells in the San Juan 28-5 Unit are as follows:

Fruitland Coal, Commercial	1
Fruitland Coal, Non-Commercial	3
Fruitland Coal, Being Evaluated	2
Fruitland Coal/Pictured Cliffs Commingle, Being Evaluated	5
Pictured Cliffs, Commercial	1
Pictured Cliffs/Mesaverde Duals, Commercial	3
Mesaverde, Commercial	56
Mesaverde, Non-Commercial	1
Mesaverde, Disconnected	1
Mesaverde, Plugged & Abandoned	2
Mesaverde/Dakota Dual, Commercial	11
Dakota, Commercial	55
Dakota, Non-Commercial	1
Dakota, Plugged & Abandoned	<u>1</u>
	143

Pursuant to Section 10 of the San Juan 28-5 Unit Agreement, Meridian Oil Inc., as Unit Operator, hereby submits the following wells be drilled for the 1994 Plan of Development.

<u>Well Name</u>	<u>Drilling Block</u>	<u>Formation</u>
San Juan 28-5 Unit #106	S/2 28-28N-5W	Fruitland/Pictured Cliffs Commingle
San Juan 28-5 Unit #211	S/2 13-28N-5W	Fruitland/Pictured Cliffs Commingle
San Juan 28-5 Unit #212	S/2 15-28N-5W	Fruitland/Pictured Cliffs Commingle
San Juan 28-5 Unit #230	N/2 25-28N-5W	Fruitland/Pictured Cliffs Commingle
San Juan 28-5 Unit #236	S/2 26-28N-5W	Fruitland/Pictured Cliffs Commingle
San Juan 28-5 Unit #240	N/2 32-28N-5W	Fruitland/Pictured Cliffs Commingle
San Juan 28-5 Unit #241	S/2 16-28N-5W	Fruitland/Pictured Cliffs Commingle
San Juan 28-5 Unit #242	S/2 12-28N-5W	Fruitland/Pictured Cliffs Commingle



Regulatory Agencies  
March 16, 1994  
Page 2

The working interest owners are being contacted regarding the Plan of Development.



Meridian Oil Inc., as Unit Operator, plans to drill any offset wells required to prevent drainage of unitized substances and any other wells deemed necessary or desirable by the Unit Operator and the working interest owners.

In accordance with Section 10 of the Unit Agreement, please advise of your approval by executing in the space provided below and return a copy to the undersigned.

Please contact Linda Donohue at 326-9760 if there are any questions regarding this letter.

Copies of this letter are being sent to the working interest owners shown on the attached sheet.

Very truly yours,

  
Kent Beers  
Attorney-in-Fact 


KB/LD/cj  
ldmar.  
Enclosures


SJ 28-5 Unit, 3.0 (1994)

**1994 PLAN OF DEVELOPMENT APPROVALS**

\_\_\_\_\_  
Bureau of Land Management

\_\_\_\_\_  
Date

  
\_\_\_\_\_  
New Mexico Oil Conservation Division

  
\_\_\_\_\_  
Date

\_\_\_\_\_  
New Mexico Commissioner of Public Lands

\_\_\_\_\_  
Date

**SAN JUAN 28-5 UNIT WORKING INTEREST OWNERS**

**Robert L. Bayless  
Estate of W. E. Alsup**

**Amoco Production Company**

**Bolack Minerals Co.**

**Mr. & Mrs. Thomas Dugan**

**EJE Brown Company**

**El Paso Production Company**

**Kerr-McGee Corporation**

**T. H. & Nancy Harrington**

**Mr. Langdon D. Harrison**

**MAR Oil and Gas Corporation, Inc.**

**Mr. James E. McElvain, Executor  
for Estate of Carl R. McElvain**

**T. H. McElvain Oil & Gas Limited Partnership**

**Meridian Oil Production Inc.**

**Phillips Petroleum Company**

**H.O. Pool Trust**

**Sunwest Bank of Albuquerque  
Agent for Kathleen Quinn**

**Mr. James M. Raymond, Individually & as  
Trustee for Corinne Miller Gay &  
Maydell Miller Mast Trust**

**Max B. Rotholz**

**Mr. Robert P. Tinnin**

**Vaughan-McElvain Energy, Inc.**

**Williams Production Company**

**Ruth Zimmerman Trust**

**MERIDIAN OIL**

APR 26 1993  
April 26, 1993

Bureau of Land Management  
Farmington Resource Area  
1235 La Plata Highway  
Farmington, NM 87401

Commissioner of Public Lands  
State of New Mexico  
P. O. Box 1148  
Santa Fe, NM 87501-1148

Oil Conservation Division  
State of New Mexico  
P. O. Box 2088  
Santa Fe, NM 87501-2088

**RE: San Juan 28-5 Unit, #14-08-001-0949  
Correction To Original 1994 Plan Of Development  
Rio Arriba County, New Mexico**

Gentlemen:

On March 16, 1994 you were provided the 1994 Plan of Development for the referenced Unit.

This is to advise you that the well #106, S½ Section 28, T-28-N, R-5-W was originally staked in an off pattern location (SE/4) for the Fruitland Coal. Due to environmental reasons we have now decided to drill in the SW/4, still S/2 dedication, and number the well #235.

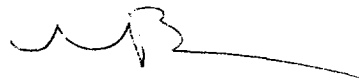
Please note your original Plan of Development accordingly for the revised number.

We apologize for any inconvenience this may have caused.

If there are any questions, please call Linda Donohue at 326-9760.

A copy of this letter is being provided to the owners on the attached list.

Yours very truly,



Kent Beers  
Attorney-in-Fact

KB/LD/cj  
SJ 28-5, 3.0

## **SAN JUAN 28-5 UNIT WORKING INTEREST OWNERS**

AMOCO PRODUCTION COMPANY  
BOLACK MINERALS COMPANY  
EJE BROWN COMPANY  
EL PASO PRODUCTION COMPANY  
ESTATE OF CARL R. MCELVAIN  
H. O. POOL TRUST  
JAMES M. RAYMOND, IND. & AS TRUSTEE FOR CORINNE M. GAY &  
MAYDELL M. MAST  
KERR-MCGEE CORPORATION  
LANGDON D. HARRISON  
MAR OIL & GAS CORPORATION, INC.  
MAX B. ROTHOLZ  
MERIDIAN OIL PRODUCTION INC.  
PHILLIPS PETROLEUM COMPANY  
ROBERT P. TINNIN  
RUTH ZIMMERMAN TRUST  
SUNWEST BANK FOR KATHLEEN QUINN  
T. H. & NANCY HARRINGTON  
T. H. MCELVAIN OIL & GAS COMPANY  
T. H. MCELVAIN OIL & GAS LIMITED PARTNERSHIP  
THOMAS DUGAN  
VAUGHAN-MCELVAIN ENERGY, INC.  
W. E. ALSUP c/o BOB BAYLESS  
WILLIAMS PRODUCTION COMPANY

February 25, 1993

Bureau of Land Management (2)  
 Farmington Resource Area  
 1235 La Plata Highway  
 Farmington, NM 87401

Commissioner of Public Lands (1)  
 State of New Mexico  
 P. O. Box 1148  
 Santa Fe, NM 87501-1148

Oil Conservation Division (1)  
 State of New Mexico  
 P. O. Box 2088  
 Santa Fe, NM 87501-2088

**RE: SAN JUAN 28-5 Unit, #14-08-001-0949  
 RIO ARRIBA COUNTY, NEW MEXICO  
 1993 PLAN OF DEVELOPMENT**

Gentlemen:

By letter dated February 28, 1992, Meridian Oil Inc., as Unit Operator, for the referenced Unit, filed the Plan of Development for the calendar year 1992. This program provided for the drilling of no wells during 1992.

As of this date, the total number of wells in the San Juan 28-5 Unit are as follows:

Fruitland Coal, Commercial .....	1
Fruitland Coal, Non-Commercial .....	3
Fruitland Coal, Being Evaluated .....	2
Pictured Cliffs, Commercial .....	1
Pictured Cliffs/Mesaverde Duals, Commercial .....	3
Mesaverde, Commercial .....	56
Mesaverde, Non-Commercial .....	1
Mesaverde, Disconnected .....	1
Mesaverde, Plugged & Abandoned .....	2
Mesaverde/Dakota Dual, Commercial .....	11
Dakota, Commercial .....	56
Dakota, Non-Commercial .....	1
	<u>138</u>

Pursuant to Section 10 of the San Juan 28-5 Unit Agreement, Meridian Oil Inc., as Unit Operator, hereby submits the following wells be drilled for the 1993 Plan of Development.

<u>Well Name</u>	<u>Drilling Block</u>	<u>Formation</u>
San Juan 28-5 Unit #200	N/2 14-28N-5W	Fruitland/Pictured Cliffs Commingle
San Juan 28-5 Unit #227	S/2 11-28N-5W	Fruitland/Pictured Cliffs Commingle
San Juan 28-5 Unit #228	N/2 24-28N-5W	Fruitland/Pictured Cliffs Commingle
San Juan 28-5 Unit #229	S/2 27-28N-5W	Fruitland/Pictured Cliffs Commingle
San Juan 28-5 Unit #232	S/2 24-28N-5W	Fruitland/Pictured Cliffs Commingle
San Juan 28-5 Unit #233	S/2 14-28N-5W	Fruitland/Pictured Cliffs Commingle

Regulatory Agencies  
February 25, 1993  
Page 2

All of the working interest owners have been contacted and the necessary concurrence to propose the drilling of these wells during the calendar year 1993 has been received.


Meridian Oil Inc., as Unit Operator, plans to drill any offset wells required to prevent drainage of unitized substances and any other wells deemed necessary or desirable by the Unit Operator and the working interest owners.

If this Plan of Development is acceptable, please advise of your approval in writing as required under Section 10 of the Unit Agreement. It is not necessary that we have a copy returned to us so we are reducing the number of copies originally requested by one.

Please contact Linda Donohue at 326-9760 if there are any questions regarding this letter.

Copies of this letter are being sent to the working interest owners shown on the attached sheet.

Very truly yours,



Kent Beers  
Attorney-in-Fact

KB/LD/pr  
ID:ldfeb.42  
Enclosures

San Juan 28-5 Unit, 3.0

**SAN JUAN 28-5 UNIT WORKING INTEREST OWNERS**

**W. E. Alsup, Jr., Anc. Executor  
Estate of W. E. Alsup**

**Amoco Production Company**

**Bolack Minerals Co.**

**Jay L. Cohen, Trustee for  
the Abercrombie Trust**

**Mr. & Mrs. Thomas Dugan**

**EJE Brown Company**

**El Paso Production Company**

**Fina Oil & Chemical Company**

**Kerr-McGee Corporation SJ 28-5**

**T. H. & Nancy Harrington**

**Mr. Langdon D. Harrison**

**MAR Oil and Gas Corporation, Inc.**

**Mr. James E. McElvain, Executor  
for Estate of Carl R. McElvain**

**T. H. McElvain Oil & Gas Properties  
on behalf of:  
Catherine M. Harvey  
Catherine B. McElvain  
T. H. McElvain, Jr.**

**Meridian Oil Production Inc.**

**Phillips Petroleum Company**

**H.O. Pool Trust**

**Sunwest Bank of Albuquerque  
Agent for Kathleen Quinn**

**Mr. James M. Raymond, Individually & as  
Trustee for Corinne Miller Gay &  
Maydell Miller Mast Trust**

**Max B. Rotholz**

**Mr. Robert P. Tinnin**

**Vaughan-McElvain Energy, Inc.**

**Williams Production Company**

**Ruth Zimmerman Trust**

#553

San Juan 28-5 Unit (PA)  
3180 (019)

June 10, 1992

Mr. Kent Beers  
Regional Land Manager  
Meridian Oil Incorporated  
P. O. Box 4289  
Farmington, NM 87499

Gentlemen:

On June 10, 1992 our office sent a letter to Meridian Oil Incorporated approving the Initial Participating Area (PA) for the Fruitland Coal Formation in the San Juan 28-5 Unit.

Section 11 of the San Juan 28-5 Unit Agreement states "It is hereby agreed for the purposes of this agreement that all wells completed for production in the Fruitland Formation shall be regarded as producing from a single zone or pool". Per the terms of the unit agreement, it is necessary for us to amend our approval of the Initial PA for the Fruitland Coal Formation in the San Juan 28-5 Unit. The approval is now amended to read "We approve the Initial Participating Area for the Fruitland Formation in the San Juan 28-5 Unit. The Fruitland PA has been assigned No. 891000949C."

Under provisions of 43 CFR 3165.3, you may request an Administrative Review of the orders described above. Such request, including all supporting documents, must be filed in writing within 20 business days of receipt of this notice and must be filed with the State Director, Bureau of Land Management, P. O. Box 27115, Santa Fe, New Mexico 87502-0115. Such request shall not result in a suspension of the order(s) unless the reviewing official so determines. Procedures governing appeals from instructions, orders or decisions are contained in 43 CFR 3165.4 and 43 CFR 4.400 *et seq.*

If you have any questions concerning this matter, please call Janice Easley at (505) 599-8963.

Sincerely,

*[Signature]*  
FOR  
Mike Pool  
Area Manager

cc:  
MMS, RMP, MS-3240, Denver, CO  
NMOCD, Santa Fe, NM  
Commissioner of Public Lands, Santa Fe, NM



OIL CONSERVATION DIVISION  
RECEIVED

'92 JUN 17 AM 9 01

San Juan 28-5 Unit (PA)  
3180 (019)

JUN 17 1992

**CERTIFIED--RETURN RECEIPT REQUESTED**  
**P 081 571 288**

Mr. Kent Beers  
Regional Land Manager  
Meridian Oil Incorporated  
P.O. Box 4289  
Farmington, NM 87499-4289

RE: San Juan 28-5 Unit, No. 14-08-001-0949  
Rio Arriba County, New Mexico  
Fruitland Coal Participating Area  
Initial Expansion - Effective October 14, 1989

Dear Mr. Beers:

In response to your letter dated March 18, 1992, the Farmington Resource Area (FRA) has reviewed the data you have submitted for the Initial Expansion for the Fruitland Coal Formation as referenced above. This application is comprised of the No. 202 San Juan 28-5 Unit, N $\frac{1}{2}$  Section 16, T. 28 N., R. 5 W., which has been determined to be capable of producing in paying quantities. We have approved the Initial Participating Area and have assigned it No. 891000949C.

Under provisions of 43 CFR 3165.3, you may request an Administrative Review of the orders described above. Such request, including all supporting documents, must be filed in writing within 20 business days of receipt of this notice and must be filed with the State Director, Bureau of Land Management, P. O. Box 27115, Santa Fe, New Mexico 87502-7115. Such request shall not result in a suspension of the order(s) unless the reviewing official so determines. Procedures governing appeals from instructions, orders or decisions are contained in 43 CFR 3165.4 and 43 CFR 4.400 et. seq.

If you have any questions concerning this matter, please call Brian W. Davis at (505) 599-8994 or (505) 327-5344.

Sincerely,

  
Mike Pool  
Area Manager

1 Enclosure  
1 - Exhibit B Initial

CC:  
MMS, RMP, MS-3240, Denver, CO w/enclosure  
NMOC, Santa Fe, NM w/o enclosure  
Commissioner of Public Lands, Santa Fe, NM w/o enclosure

**MERIDIAN OIL**

OIL CONSERVATION DIVISION  
MARCH 18 1992

March 18, 1992

*3-31-92*  
*0- Unit letter*  
*Lucy*  
*129*

Bureau of Land Management (3)  
Attn: Mr. Duane Spencer  
1235 La Plata Highway  
Farmington, NM 87401

Commissioner of Public Lands (2)  
State of New Mexico  
P.O. Box 1148  
Santa Fe, NM 87504-1148

New Mexico Oil Conservation Division (2)  
Energy & Minerals Department  
P.O. Box 2088  
Santa Fe, NM 87504

**RE: SAN JUAN 28-5 UNIT, #14-08-001-0949**  
**Rio Arriba County, New Mexico**  
**Fruitland Coal Participating Area**  
**Initial Expansion - Effective 10-14-89**

Gentlemen:

Pursuant to Section 11 (a) of the referenced unit agreement approved August 25, 1953, Meridian Oil Inc., as Unit Operator, has determined on the dates indicated below that the following well is capable of producing unitized substances in paying quantities from the Fruitland Coal Formation and thereby should be admitted to the Fruitland Participating Area:

**INITIAL EXPANSION - EFFECTIVE OCTOBER 14, 1989**

<u>DESCRIPTION</u>	<u>TRACT/ACRES</u> <u>LEASE NO.</u>	<u>TR. DESCRIPTION</u>	<u>COMP. DATE</u>
#202 N/2 16-28N-5W 320.00 acres	Tr. 1 (320.00) SF-079250	N/2	10-14-89

BLM  
CPL  
NMOC  
March 18, 1992  
Page 2

SAN JUAN 28-5 UNIT  
INITIAL FR EXPANSION

An economic summary sheet is attached for your information for the well's Commerciality. The expansion schedule for the Initial Participating Area is also enclosed. The schedule describes the participating area and shows the percentage of unitized substances allocated to the tract according to the ownership within the tract.

We would appreciate consideration of this expansion as soon as possible. Please contact Linda Donohue at (505) 326-9760 if there are any questions regarding this matter.

Copies of this letter are being sent to the working interest owners on the attached list.

Yours very truly,



Kent Beers  
Regional Land Manager 

KB:MW/lr  
ID#22/3-4

SJ 28-5 Unit, 4.5

SAN JUAN 28-5 UNIT  
FRUITLAND DRILL BLOCK OWNERS

W. E. Alsup, Jr., An Executor of W. E. Alsup

Jay I. Cohen, Trustee for the  
Abercrombie Trust

Thomas A. Dugan, et ux

EJE Brown Company

El Paso Production Company

Mr. Langdon D. Harrison

Kerr-McGee Corporation

MAR Oil & Gas Company

T. H. McElvain Oil & Gas Properties  
on behalf of:  
Catherine M. Harvey  
Catherine B. McElvain  
T. H. McElvain, Jr.

Meridian Oil Production Inc.

H. O. Pool Trust

James M. Raymond, Individually and as Trustee for Maydell Miller Mast Trust  
and as Trustee for Corinne Miller Gay Trust

Max B. Rotholz

Sunwest Bank of Albuquerque N.A.  
Agent for Kathleen Quinn

Robert P. Tinnin

Ruth Zimmerman Trust

COMMERCIALITY DETERMINATION

BLM DATA SHEET

FOR LEASE: SAN JUAN 28-5 UNIT

# 202

WELL INFORMATION:

LOCATION 028N005W16H  
 COUNTY RIO ARRIBA  
 STATE NM  
 FORMATION BASIN FRUITLAND COAL  
 OPERATOR EL PASO PRODUCTION CO  
 SPUD DATE 09/26/89  
 CMPL DATE 10/14/89  
 1ST DLVRY 12/28/89  
 GWI 100.00%  
 NRI 87.50%

PRODUCTION TAXES:

		<u>GAS % OF REVENUE</u>
SEVERANCE	(NM)	3.75%
SCHOOL	(NM)	3.15%
AD VALOREM	(NM)	1.54%
CONSERVATION	(NM)	0.18%
PROD. EQUIP.	(NM)	<u>0.28%</u>
TOTAL		8.90%

WELL TEST DATA:

Date: 10/24/89  
 WHSIP: 1045 (PSIG)  
 BHSIP: 1146 (PSIG)

WELL COST DATA:

TOTAL WELL COST: 391.7 (M\$)  
 PAYOUT YEARS: 5.6

AVERAGE PRODUCT PRICING:

\$1.23 (MCF) PRICE TO LIFE\*

\*Based on an average heating value of 1076 MMBTU/MCF.

ESTIMATED GROSS ANNUAL PRODUCTION AND OPERATING EXPENSES:

<u>YEARS</u>	<u>EST. ANNUAL PRODUCTION</u>		<u>ANNUAL OPERATING EXPENSES*</u> (M\$)
	<u>GAS</u> (MMCF)	<u>OIL</u> (MBO)	
1989	9.5	0.0	0.2
1990	114.1	0.0	2.5
1991	114.1	0.0	2.5
1992	113.6	0.0	2.5
1993	96.6	0.0	2.5
1994	82.1	0.0	2.5

RUN DATE 03/16/92  
 RUN TIME 10:59:54

THE 000 EXPANDED PARTICIPATING AREA FOR FRUITLAND COAL FORMATION  
 MERIDIAN OIL INC  
 SCHEDULE 1  
 SAN JUAN 28-5 UNIT AREA

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	OWNERSHIP	DRILLING BLOCK	PERCENTAGE	PERCENTAGE COMMITTED	PERCENT ACTUAL PARTICIPATION
SF-079250	28N 5W SEC. 16 N/2	320.00		TRACT: 001	25.625000 12.500000	25.625000 12.500000	100.000000
			ORRI: ROYALTY: WORKING INTEREST: EL PASO PRODUCTION CO		61.875000	61.875000	
		TOTAL			100.000000	100.000000	

REMARKS:  
 EPPC SOLELY BEARS A 20.625% NPI WHICH IS INCLUDED WITH THE TRACT ORI OF 5%.

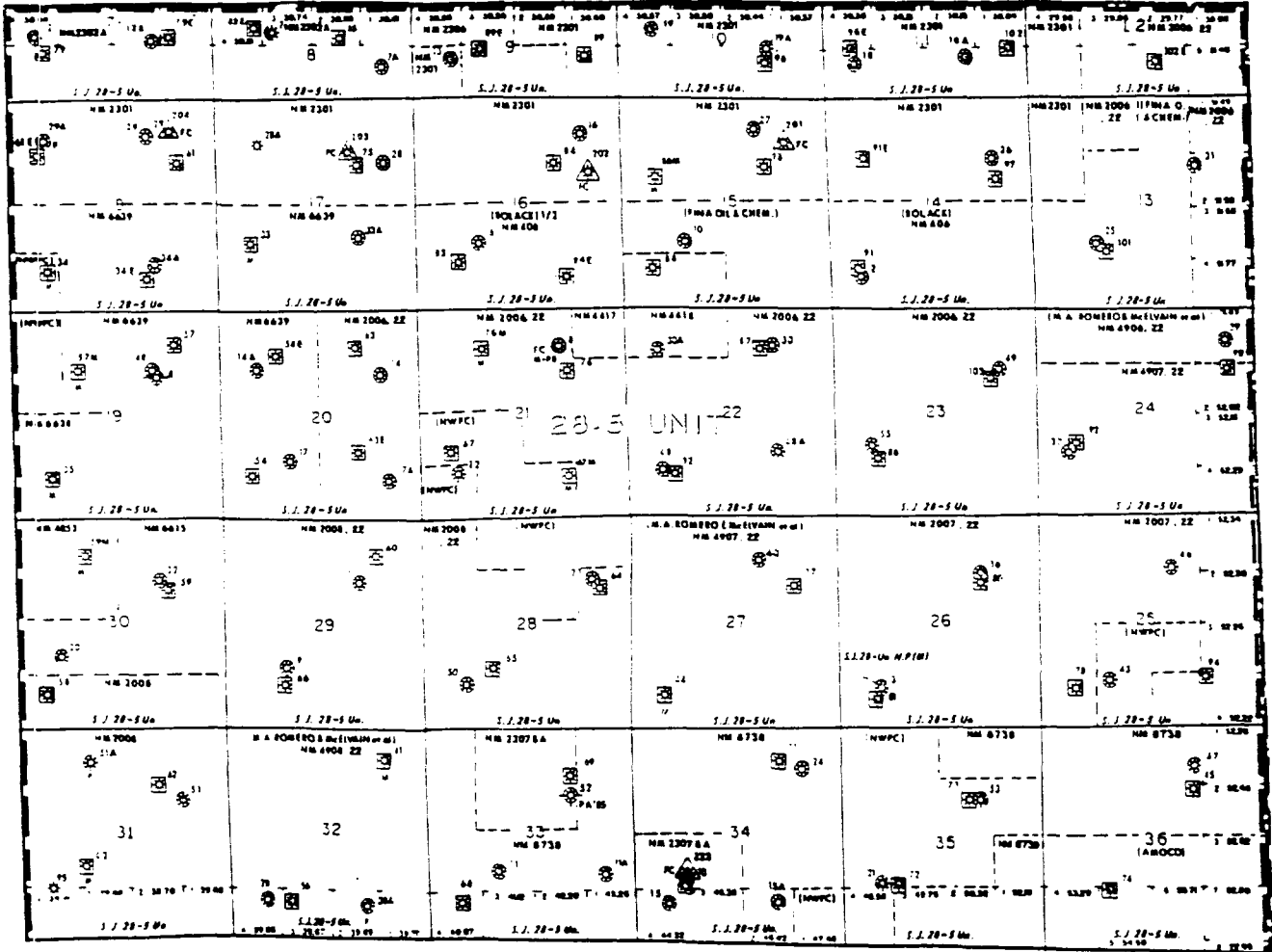
EFFECTIVE 89/10/14



# R 5 W

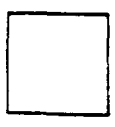
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- 2=29.77
- 5=29.86
- 4=29.95
- 5=51.40

T  
28  
N

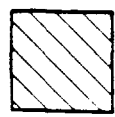


## SAN JUAN 28-5 UNIT

-  Fruitland
-  Pictured Cliffs
-  Chacra
-  Mesaverde
-  Gallup
-  Dakota



**FRUITLAND COAL PARTICIPATING AREA**  
Initial Expansion Effective 10/14/89



**OIL & GAS OWNED BY STATE OF NEW MEXICO**

**MERIDIAN OIL**  
**LAND DEPARTMENT**

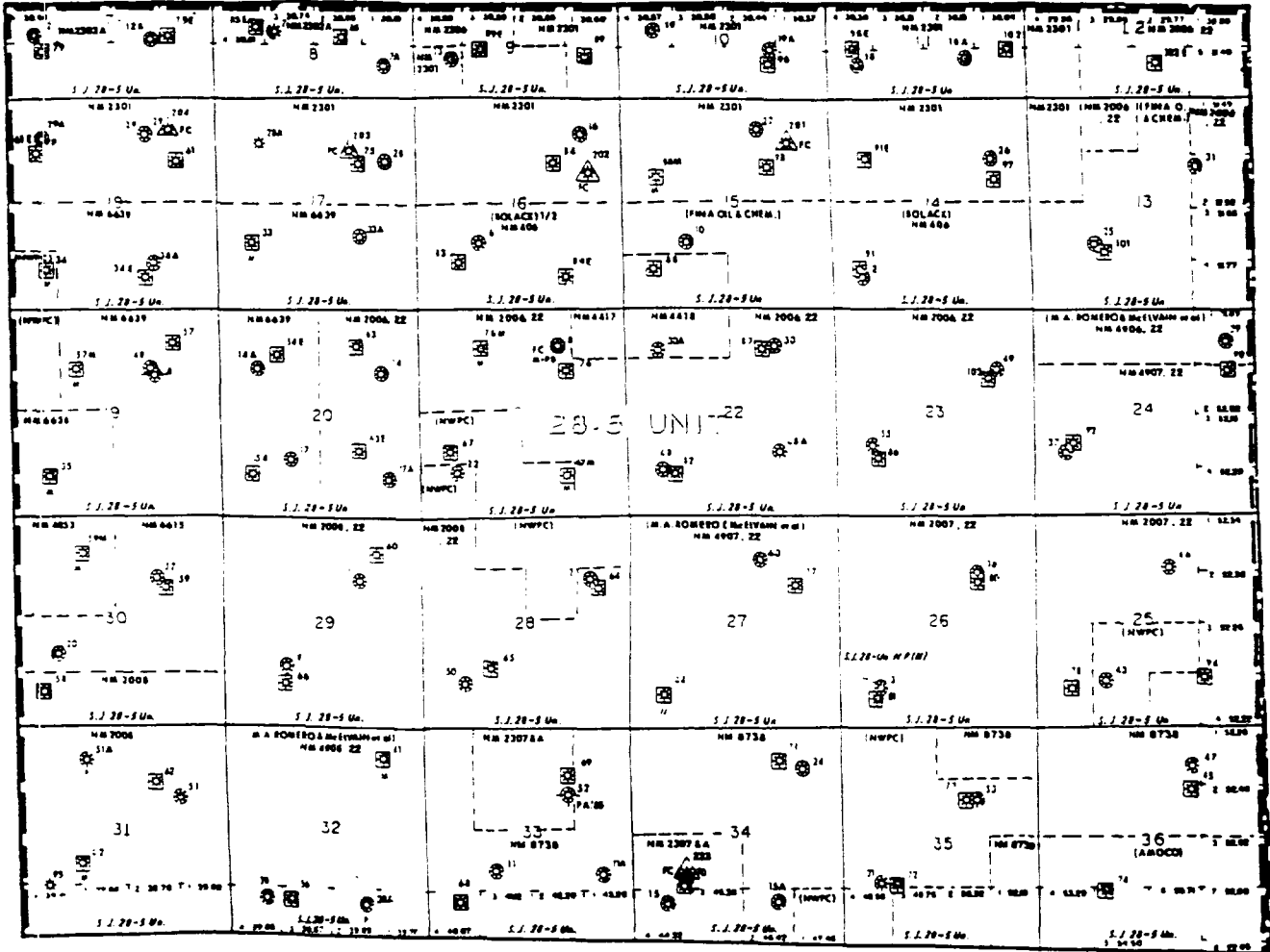
February 18, 1992



# R 5 W

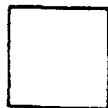
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- 2=29.77
- 3=29.86
- 4=29.95
- 5=51.40

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## SAN JUAN 28-5 UNIT

-  Fruitland
-  Pictured Cliffs
-  Chacra
-  Mesaverde
-  Gallup
-  Dakota



**FRUITLAND COAL PARTICIPATING AREA**  
Initial Expansion Effective 10/14/89

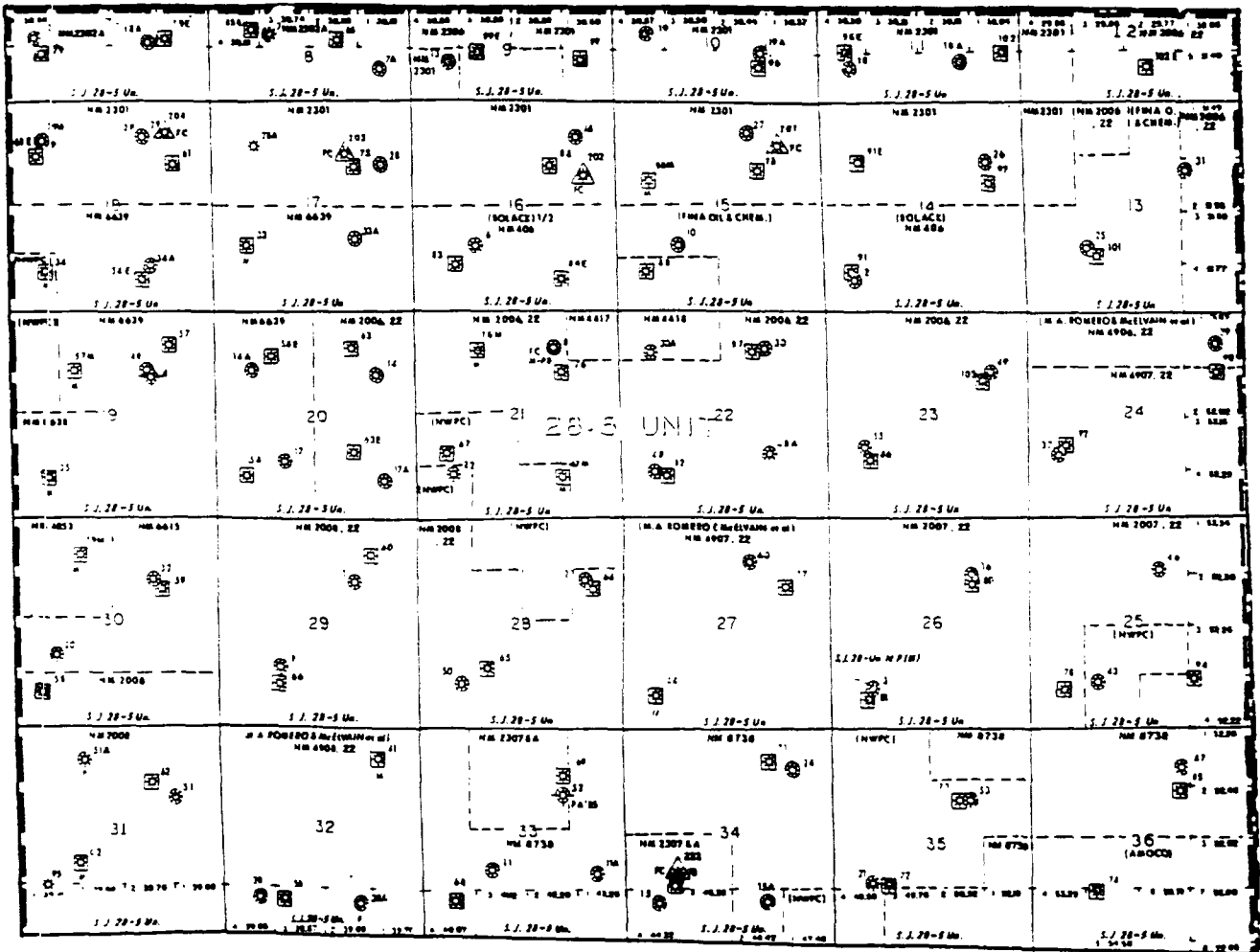


**OIL & GAS OWNED BY**  
**STATE OF NEW MEXICO**

R 5 W

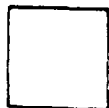
- 1=38.06
- 2=29.77
- 3=29.86
- 4=29.95
- 5=51.40

T 28 N



# SAN JUAN 28-5 UNIT

-  Fruitland
-  Pictured Cliffs
-  Chacra
-  Mesaverde
-  Gallup
-  Dakota



**FRUITLAND COAL PARTICIPATING AREA**  
Initial Expansion Effective 10/14/89

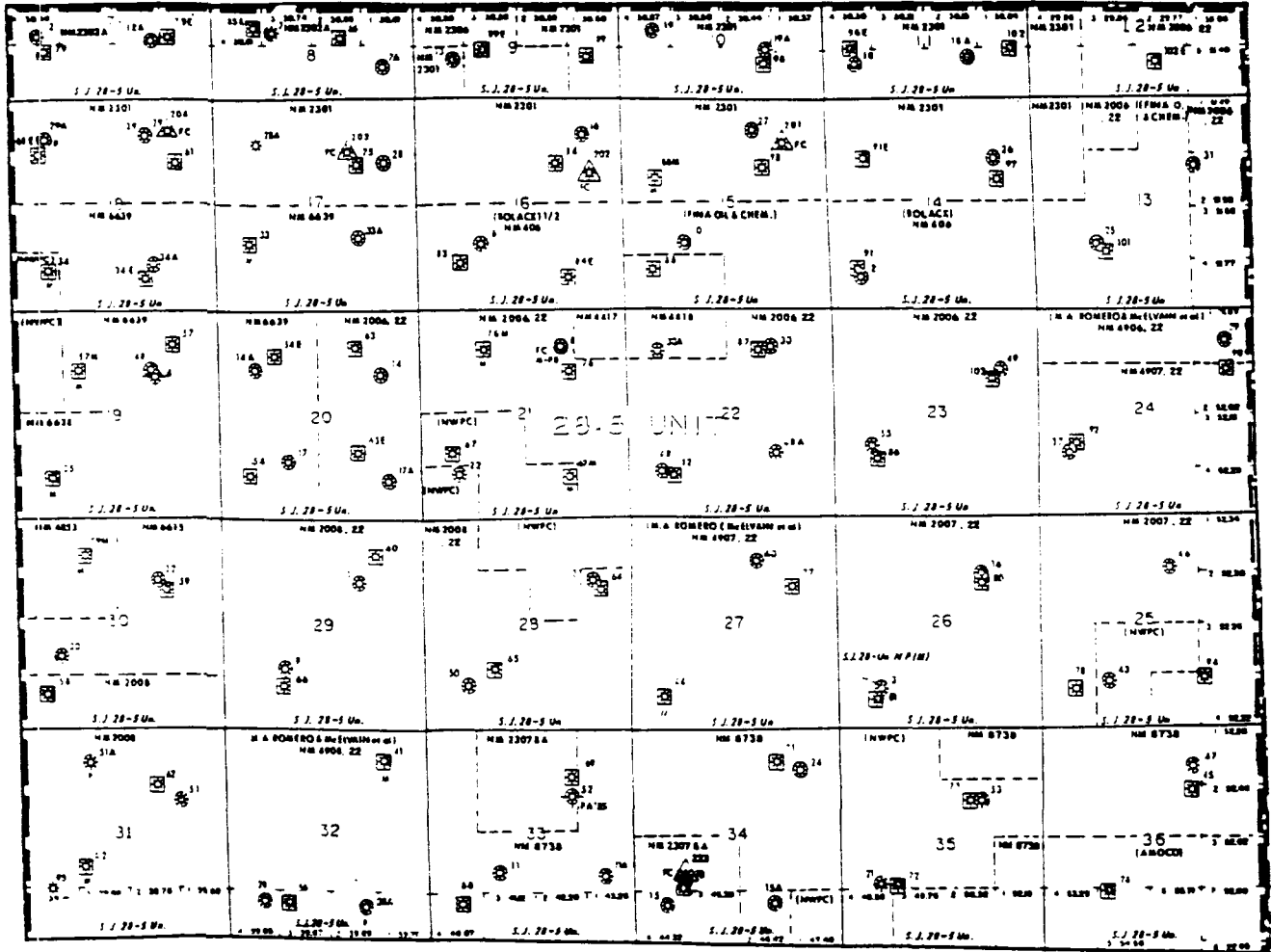


**OIL & GAS OWNED BY  
STATE OF NEW MEXICO**

# R 5 W

- 1=38.06
- 2=29.77
- 3=29.86
- 4=29.95
- 5=51.40

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28  
N

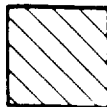


## SAN JUAN 28-5 UNIT

-  Fruitland
-  Pictured Cliffs
-  Chacra
-  Mesaverde
-  Gallup
-  Dakota



**FRUITLAND COAL PARTICIPATING AREA**  
Initial Expansion Effective 10/14/89



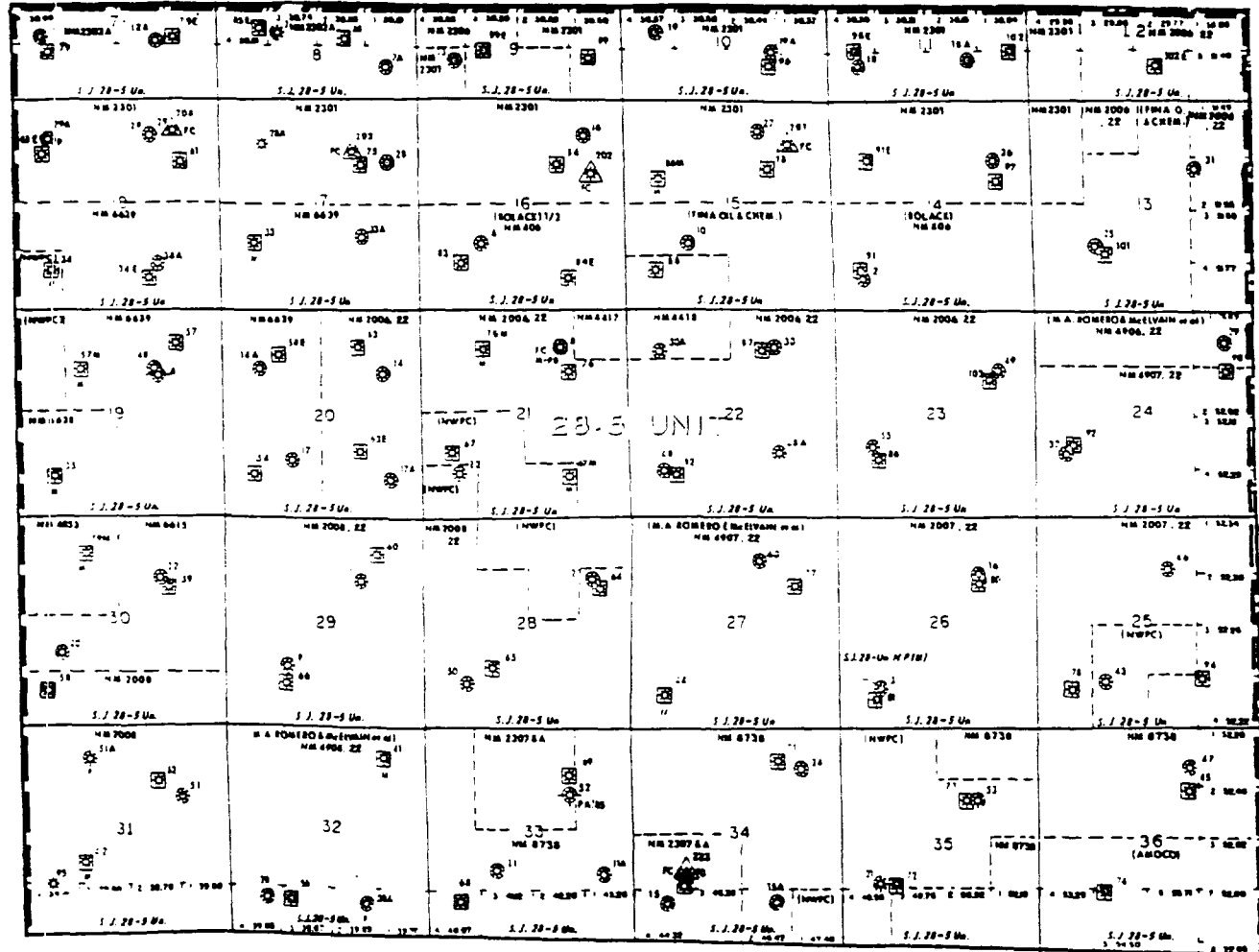
**OIL & GAS OWNED BY**  
**STATE OF NEW MEXICO**

**MERIDIAN OIL**  
**LAND DEPARTMENT**

February 18, 1992







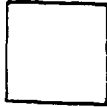

# R 5 W

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- 2=29.77
- 3=29.86
- 4=29.95
- 5=51.40



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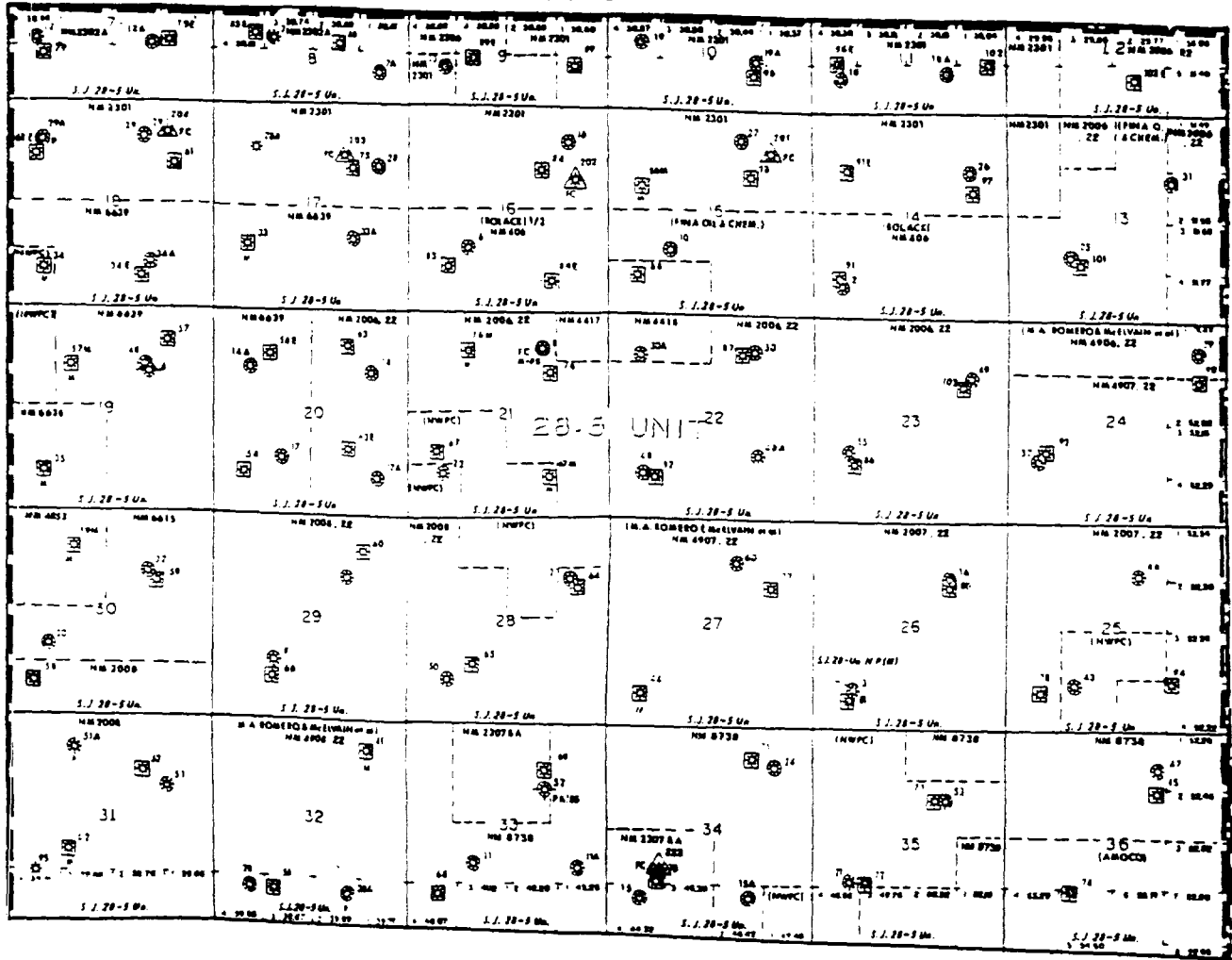
## SAN JUAN 28-5 UNIT

-  Fruitland
-  Pictured Cliffs
-  Chacra
-  Mesaverde
-  Gallup
-  Dakota
-  FRUITLAND COAL PARTICIPATING AREA  
Initial Expansion Effective 10/14/89
-  OIL & GAS OWNED BY  
STATE OF NEW MEXICO

**MERIDIAN OIL**  
**LAND DEPARTMENT**

February 18, 1992

# R 5 W

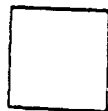


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 4=29.95  
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## SAN JUAN 28-5 UNIT

-  Fruitland
-  Pictured Cliffs
-  Chacra
-  Mesaverde
-  Gallup
-  Dakota



**FRUITLAND COAL PARTICIPATING AREA**  
 Initial Expansion Effective 10/14/89



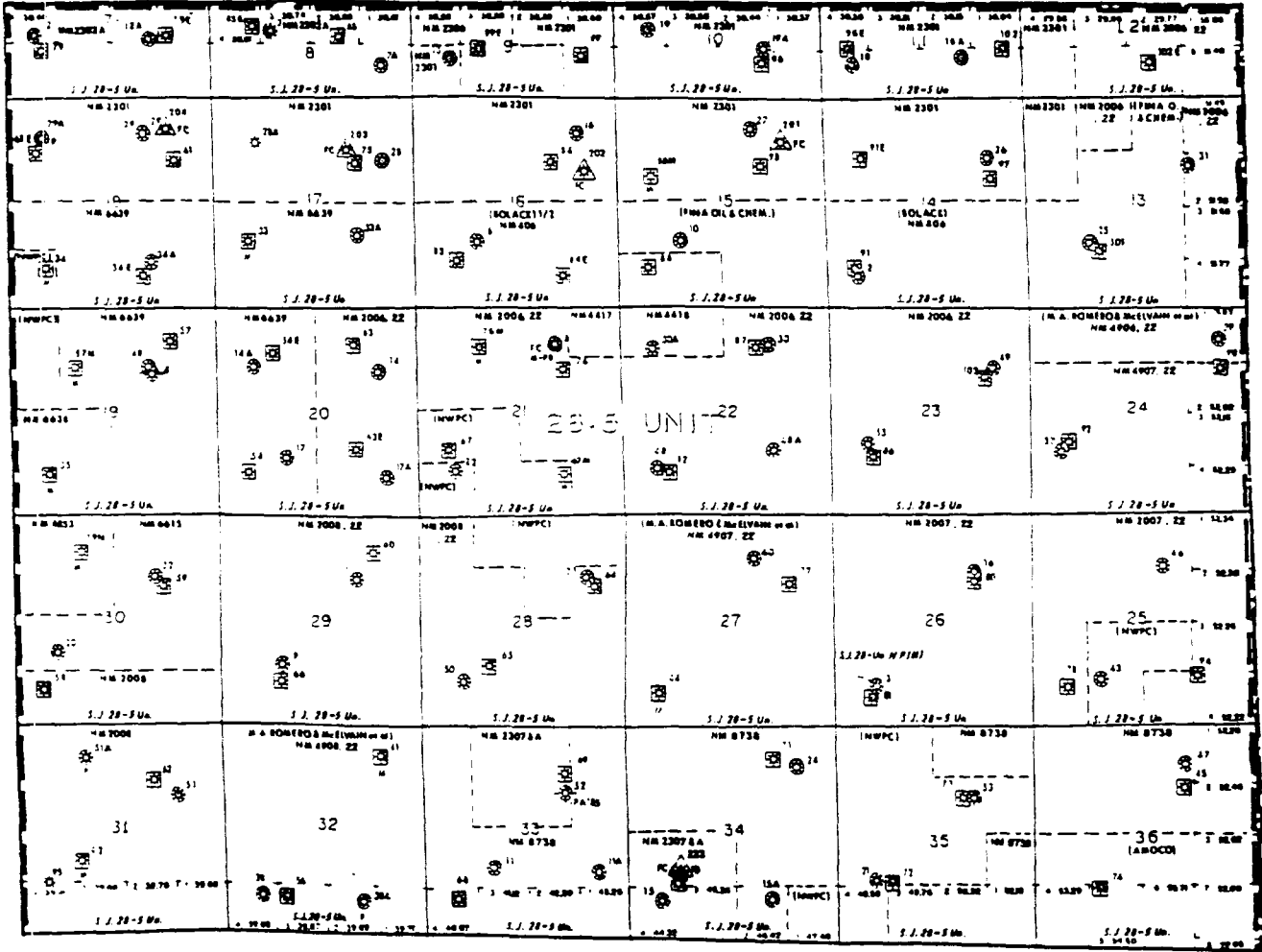
**OIL & GAS OWNED BY  
 STATE OF NEW MEXICO**

**MERIDIAN OIL  
 LAND DEPARTMENT**

# R 5 W

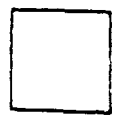
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- 4=29.95
- 5=51.40

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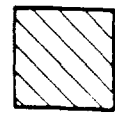


## SAN JUAN 28-5 UNIT

-  Fruitland
-  Pictured Cliffs
-  Chacra
-  Mesaverde
-  Gallup
-  Dakota



**FRUITLAND COAL PARTICIPATING AREA**  
Initial Expansion Effective 10/14/89



**OIL & GAS OWNED BY**  
**STATE OF NEW MEXICO**

**MERIDIAN OIL**  
**LAND DEPARTMENT**

February 18, 1992

**MERIDIAN OIL**

OIL CONSERVATION DIVISION  
RECEIVED

102 FEB 19 10 04

March 18, 1992

Bureau of Land Management (3)  
Attn: Mr. Duane Spencer  
1235 La Plata Highway  
Farmington, NM 87401

Commissioner of Public Lands (2)  
State of New Mexico  
P.O. Box 1148  
Santa Fe, NM 87504-1148

New Mexico Oil Conservation Division (2)  
Energy & Minerals Department  
P.O. Box 2088  
Santa Fe, NM 87504

**RE: SAN JUAN 28-5 UNIT, #14-08-001-0949  
Rio Arriba County, New Mexico  
NOTICE OF NON-COMMERCIAL WELLS  
Fruitland Coal Formation**

Gentlemen:

In accordance with Section 11a of the San Juan 28-5 Unit Agreement, approved August 25, 1953, Meridian Oil Inc., as Unit Operator, has determined that the following wells are not capable of producing unitized substances in paying quantities from the Fruitland Coal to be admitted a Participating Area:

**SAN JUAN 28-5 UNIT #201**

<b><u>DESCRIPTION</u></b>	<b><u>TRACT/ACRES LEASE NO.</u></b>	<b><u>TR. DESCRIPTION</u></b>	<b><u>COMP. DATE</u></b>
N/2 15-28N-5W	Tr. 1/320.00 SF-079250	N/2	8-2-89

**SAN JUAN 28-5 UNIT #203**

<b><u>DESCRIPTION</u></b>	<b><u>TRACT/ACRES LEASE NO.</u></b>	<b><u>TR. DESCRIPTION</u></b>	<b><u>COMP. DATE</u></b>
N/2 17-28N-5W	Tr. 1/320.00 SF-079250	N/2	7-27-89

BLM  
CPL  
NMOCD  
March 18, 1992  
Page 2

SAN JUAN 28-5 UNIT  
NON-COMMERCIAL DETERMINATION

SAN JUAN 28-5 UNIT #204

<u>DESCRIPTION</u>	<u>TRACT/ACRES LEASE NO.</u>	<u>TR. DESCRIPTION</u>	<u>COMP. DATE</u>
N/2 18-28N-5W	Tr. 1/320.00 SF-079250	N/2	7-2-89

The economics for the non-commercial determinations are outlined on the attached DATA sheets for each well.

We would appreciate consideration of these non-commercial determinations as soon as possible. Please contact Linda Donohue at (505) 326-9760 if there are any questions regarding this matter.

Copies of this letter are being sent to the working interest owners on the attached list.

Yours very truly,

  
Kent Beers  
Regional Land Manager

KB:MW/1r  
ID#22/9-10  
SJ 28-5, 4.5



## COMMERCIALITY DETERMINATION

## BLM DATA SHEET

FOR LEASE: SAN JUAN 28-5 UNIT

#201

## WELL INFORMATION:

LOCATION 028N005W15A  
 COUNTY RIO ARRIBA  
 STATE NM  
 FORMATION BASIN FRUITLAND COAL  
 OPERATOR EL PASO NATURAL GAS  
 SPUD DATE 07/10/89  
 CMPL DATE 08/02/89  
 1ST DLVRY 01/17/90  
 GWI 100.00%  
 NRI 87.50%

## PRODUCTION TAXES:

		<u>GAS % OF REVENUE</u>
SEVERANCE	(NM)	3.75%
SCHOOL	(NM)	3.15%
AD VALOREM	(NM)	1.54%
CONSERVATION	(NM)	0.18%
PROD. EQUIP.	(NM)	<u>0.28%</u>
TOTAL		8.90%

## WELL TEST DATA:

Date: 08/13/89  
 WHSIP: 1045 (PSIG)  
 EHSIP: 1169 (PSIG)

## WELL COST DATA:

TOTAL WELL COST: 391.5 (M\$)  
 PAYOUT YEARS: No Payout

## AVERAGE PRODUCT PRICING:

\$1.23 (MCF) PRICE TO LIFE\*

\*Based on an average heating value of 1057 MMBTU/MCF.

## ESTIMATED GROSS ANNUAL PRODUCTION AND OPERATING EXPENSES:

<u>YEARS</u>	EST. ANNUAL PRODUCTION <u>GAS</u> <u>(MMCF)</u>	<u>OIL</u> <u>(MBO)</u>	ANNUAL <u>OPERATING EXPENSES*</u> <u>(M\$)</u>
1989	0.0	0.0	0.0
1990	22.6	0.0	2.5
1991	16.0	0.0	2.5
1992	13.2	0.0	2.5
1993	11.2	0.0	2.5
1994	9.5	0.0	2.5
1995	8.1	0.0	2.5
1996	6.9	0.0	2.5
1997	5.9	0.0	2.5
1998	5.0	0.0	2.5
1999	4.2	0.0	2.5

NOTE: Economics were run at a discount rate of 8.5%

\*Base operating expenses were held flat.

MERIDIAN OIL, INC.

Printed: 01/02/92 13:38

COMMERCIALITY DETERMINATION

BLM DATA SHEET

FOR LEASE: SAN JUAN 28-5 UNIT

#201

---

2000

2.2

0.0

1.5

*NOTE: Economics were run at a discount rate of 8.5%  
\*Base operating expenses were held flat.*

## COMMERCIALITY DETERMINATION

## BLM DATA SHEET

FOR LEASE: SAN JUAN 28-5 UNIT

# 203

## WELL INFORMATION:

LOCATION 028N005W17B  
 COUNTY RIO ARRIBA  
 STATE NM  
 FORMATION BASIN FRUITLAND COAL  
 OPERATOR MERIDIAN OIL INC  
 SPUD DATE 07/05/89  
 CMPL DATE 07/03/89  
 1ST DLVRY 12/13/89  
 GWI 100.00%  
 NRI 87.50%

## PRODUCTION TAXES:

		<u>GAS % OF REVENUE</u>
SEVERANCE	(NM)	3.75%
SCHOOL	(NM)	3.15%
AD VALOREM	(NM)	1.54%
CONSERVATION	(NM)	0.18%
PROD. EQUIP.	(NM)	<u>0.28%</u>
TOTAL		8.90%

## WELL TEST DATA:

Date: 08/10/89  
 WHSIP: 1056 (PSIG)  
 BHSIP: 1222 (PSIG)

## WELL COST DATA:

TOTAL WELL COST: 391.7 (M\$)  
 PAYOUT YEARS: No Payout

## AVERAGE PRODUCT PRICING:

\$1.32 (MCF) PRICE TO LIFE\*

\*Based on an average heating value of 1073 MMBTU/MCF.

## ESTIMATED GROSS ANNUAL PRODUCTION AND OPERATING EXPENSES:

<u>YEARS</u>	EST. ANNUAL PRODUCTION GAS (MMCF)	OIL (MBO)	ANNUAL OPERATING EXPENSES* (M\$)
1989	1.0	0.0	0.2
1990	12.5	0.0	2.5
1991	12.5	0.0	2.5
1992	7.2	0.0	2.5
1993	6.2	0.0	2.5
1994	5.3	0.0	2.5
1995	4.5	0.0	2.5
1996	3.5	0.0	2.3

NOTE: Economics were run at a discount rate of 8.5%  
 \*Base operating expenses were held flat.

COMMERCIALITY DETERMINATION

BLM DATA SHEET

FOR LEASE: SAN JUAN 28-5 UNIT

# 204

WELL INFORMATION:

LOCATION 028N005W18A  
 COUNTY RIO ARRIBA  
 STATE NM  
 FORMATION BASIN FRUITLAND COAL  
 OPERATOR MERIDIAN OIL INC  
 SPUD DATE 06/12/89  
 CMPL DATE 07/27/89  
 1ST DLVRY 12/13/89  
 GWI 100.00%  
 NRI 87.50%

PRODUCTION TAXES:

		<u>GAS % OF REVENUE</u>
SEVERANCE	(NM)	3.75%
SCHOOL	(NM)	3.15%
AD VALOREM	(NM)	1.54%
CONSERVATION	(NM)	0.18%
PROD. EQUIP.	(NM)	<u>0.28%</u>
TOTAL		8.90%

WELL TEST DATA:

Date: 07/12/89  
 WHSIP: 601 (PSIG)  
 BHSIP: 1128 (PSIG)

WELL COST DATA:

TOTAL WELL COST: 391.7 (M\$)  
 PAYOUT YEARS: No Payout

AVERAGE PRODUCT PRICING:

\$1.35 (MCF) PRICE TO LIFE\*

*\*Based on an average heating value of 1099 MMBTU/MCF.*

ESTIMATED GROSS ANNUAL PRODUCTION AND OPERATING EXPENSES:

<u>YEARS</u>	EST. ANNUAL PRODUCTION <u>GAS</u> <u>(MMCF)</u>	<u>OIL</u> <u>(MBO)</u>	ANNUAL <u>OPERATING EXPENSES*</u> <u>(M\$)</u>
1989	7.7	0.0	0.6
1990	30.9	0.0	2.5
1991	31.6	0.0	2.5
1992	36.9	0.0	2.5
1993	31.4	0.0	2.5
1994	26.7	0.0	2.5
1995	22.7	0.0	2.5
1996	19.3	0.0	2.5
1997	16.4	0.0	2.5
1998	13.9	0.0	2.5
1999	11.8	0.0	2.5

NOTE: Economics were run at a discount rate of 8.5%  
 \*Base operating expenses were held flat.

## COMMERCIALITY DETERMINATION

## BLM DATA SHEET

FOR LEASE: SAN JUAN 28-5 UNIT # 204

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2000	10.1	0.0	2.5
2001	8.6	0.0	2.5
2002	7.3	0.0	2.5
2003	6.2	0.0	2.5
2004	5.3	0.0	2.5
2005	4.5	0.0	2.5
2006	3.5	0.0	2.3

NOTE: Economics were run at a discount rate of 8.5%

\*Base operating expenses were held flat.

SAN JUAN 28-5 UNIT WORKING INTEREST OWNERS

W. E. Alsup, Jr., Anc. Executor  
Estate of W. E. Alsup

Amoco Production Company

Bolack Minerals Co.

Jay I. Cohen, Trustee for  
the Abercrombie Trust

Mr. & Mrs. Thomas Dugan

EJE Brown Company

El Paso Production Company

Fina Oil & Chemical Company

Kerr-McGee Corporation

T. H. & Nancy Harrington

Mr. Langdon D. Harrison

MAR Oil and Gas Corporation, Inc.

Mr. James E. McElvain, Executor  
for Estate of Carl R. McElvain

T. H. McElvain Oil & Gas Properties  
on behalf of:  
Catherine M. Harvey  
Catherine B. McElvain  
T. H. McElvain, Jr.

Meridian Oil Production Inc.

Phillips Petroleum Company

H.O. Pool Trust

Sunwest Bank of Albuquerque  
Agent for Kathleen Quinn

Mr. James M. Raymond, Individually & as  
Trustee for Corinne Miller Gay &  
Maydell Miller Mast Trusts

Max B. Rotholz

Mr. Robert P. Tinnin

Vaughan-McElvain Energy, Inc.

Williams Productin Company

Ruth Zimmerman Trust

**MERIDIAN OIL**

EL PASO NATURAL GAS COMPANY  
 P.O. BOX 4289  
 FARMINGTON, NM 87499-4289  
 505-326-9700

February 28, 1992

Bureau of Land Management  
 Farmington Resource Area  
 1235 La Plata Highway  
 Farmington, NM 87401

Commissioner of Public Lands  
 State of New Mexico  
 P.O. Box 1148  
 Santa Fe, NM 87501-1148

Oil Conservation Division  
 State of New Mexico  
 P.O. Box 2088  
 Santa Fe., NM 87501-2088

**RE: San Juan 28-5 Unit, #14-08-001-0949  
 Rio Arriba County, New Mexico  
1992 Plan of Development**

Gentlemen:

By letter dated February 26, 1991, El Paso Natural Gas Company, as Unit Operator, for the referenced Unit, filed the Plan of Development for the calendar year 1991. This program provided for the drilling of no wells during 1991.

As of this date, the total number of wells in the San Juan 28-5 Unit is as follows:

Fruitland, Being Evaluated	6
Pictured Cliffs, Commercial	1
Pictured Cliffs/Mesaverde Duals, Commercial	3
Mesaverde, Commercial	56
Mesaverde, Non-Commercial	1
Mesaverde, Disconnected	1
Mesaverde, Plugged & Abandoned	2
Mesaverde/Dakota Duals, Commercial	11
Dakota, Commercial	56
Dakota, Non-Commercial	<u>1</u>
	138

Pursuant to Section 10 of the San Juan 28-6 Unit Agreement, Meridian Oil Inc., as Unit Operator, hereby submits no wells for the 1992 Plan of Development.

Regulatory Agencies  
February 27, 1992  
Page Two



All of the working interest owners have been contacted and the necessary concurrence to propose the drilling of the above listed wells during the calendar year 1992 has been received.

Meridian Oil Inc, as Unit Operator, plans to drill any offset wells required to prevent drainage of unitized substances and any other wells deemed necessary or desirable by the Unit Operator and the working interest owners.

If this Plan of Development is acceptable, please signify your approval as required under Section 10 of the Unit Agreement in the space provided on the attached sheet and return an approved copy to the attention of the undersigned at the letterhead address.

Copies of this letter are being sent to the working interest owners shown on the attached sheet.

Very truly yours,

  
Kent Beers  
Attorney-in-Fact 

KB:LD/lr  
IDreg/14-15  
Enclosures

San Juan 28-5 Unit, 3.0

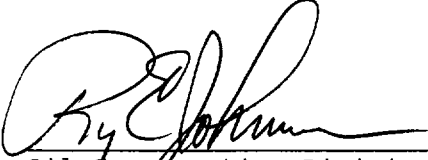


APPROVED: \_\_\_\_\_  
Bureau of Land Management  
(Subject to like approval by  
the Oil Conservation Division &  
Commissioner of Public Lands)

DATED: \_\_\_\_\_

APPROVED: \_\_\_\_\_  
Commissioner of Public Lands  
(Subject to like approval by  
the Bureau of Land Management &  
the Oil Conservation Division)

DATED: \_\_\_\_\_

APPROVED:  \_\_\_\_\_  
Oil Conservation Division  
(Subject to like approval by  
the Bureau of Land Management &  
the Commissioner of Public Lands)

DATED: 3-6-92

The foregoing approvals for the 1992 Plan of Development for the San Juan 28-5 Unit, #14-08-001-0949, Rio Arriba County, New Mexico.

SAN JUAN 28-5 UNIT WORKING INTEREST OWNERS

W. E. Alsup, Jr., Anc. Executor  
Estate of W. E. Alsup

Amoco Production Company

Bolack Minerals Co.

Jay I. Cohen, Trustee for  
the Abercrombie Trust

Mr. & Mrs. Thomas Dugan

EJE Brown Company

El Paso Production Company

Fina Oil & Chemical Company

Kerr-McGee Corporation

T. H. & Nancy Harrington

Mr. Langdon D. Harrison

MAR Oil and Gas Corporation, Inc.

Mr. James E. McElvain, Executor  
for Estate of Carl R. McElvain

T. H. McElvain Oil & Gas Properties  
on behalf of:  
Catherine M. Harvey  
Catherine B. McElvain  
T. H. McElvain, Jr.

Meridian Oil Production Company

Phillips Petroleum Company

H.O. Pool Trust

Sunwest Bank of Albuquerque  
Agent for Kathleen Quinn

Mr. James M. Raymond, Individually & as  
Trustee for Corinne Miller Gay &  
Maydell Miller Mast Trusts

Max B. Rotholz

Mr. Robert P. Tinnin

Vaughan-McElvain Energy, Inc.

Williams Productin Company

Ruth Zimmerman Trust

#553

RESIGNATION OF UNIT OPERATOR AND  
DESIGNATION OF SUCCESSOR UNIT OPERATOR

San Juan 28-5 Unit Area  
County of Rio Arriba, State of New Mexico  
No. 14-08-001-0949

THIS INDENTURE, dated as of the 29th day of April, 1991, by and between El Paso Natural Gas Company, operator and owner of unitized working interest, (hereinafter called "EPNG") and Meridian Oil Inc., successor operator and owner of unitized working interest, (hereinafter called "Meridian").

W I T N E S S E T H:

WHEREAS, under the provisions of the Act of February 25, 1920, 41 Stat. 437, 30 U.S.C. §§181, et seq., as amended by the Act of August 8, 1946, 60 Stat. 950, the Secretary of the Interior, on the 25th day of August, 1953, approved the Unit Agreement for the Development and Operation of the San Juan 28-5 Unit Area, wherein EPNG is designated as Unit Operator; and

WHEREAS, under the provisions of an Act of Legislature (§1, Chap. 162, Laws of 1951, and §§ 1 and 2, Chap. 176, Laws of 1961, Sec. Chap.7, Article 11, §§39, 40 and 41, New Mexico Statutes 1953 Annotated) (Now being Chap. 29, Article 10, §§ 45, 46 and 47 New Mexico Statutes Annotated 1978 Com.) the Commissioner of Public Lands on the 2nd day of July, 1953, approved a Unit Agreement for the Development and Operation of the San Juan 28-5 Unit Area, wherein EPNG is designated as Unit Operator; and

WHEREAS, EPNG has resigned as Unit Operator, and the designation of a successor Unit Operator is now required pursuant to the terms thereof; and


WHEREAS, in accordance with the terms and provisions of the Unit Agreement for the Development and Operation of the San Juan 28-5 Unit Area, EPNG has procured the necessary consent from working interest owners and regulatory agencies, and Meridian has procured the necessary consent from said owners to replace EPNG as Operator of the San Juan 28-5 Unit.

NOW, THEREFORE, effective May 1, 1991, EPNG hereby resigns as Unit Operator under the Unit Agreement for the Development and Operation of the San Juan 28-5 Unit Area and Meridian hereby covenants and pursuant to all the terms of the Unit Agreement for the Development and Operation of the San Juan 28-5 Unit Area, and EPNG covenants and agrees that, upon approval of this indenture by the Authorized Officer in the proper BLM office and the Commissioner of Public Lands, Meridian shall be granted the exclusive right

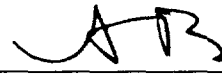
and privilege of exercising any and all rights and privileges as Unit Operator, pursuant to the terms and conditions of said Unit Agreement; and said Unit Agreement being hereby incorporated by references and made a part hereof as fully and effectively as though said Unit Agreement were expressly set forth in this instrument.

IN WITNESS WHEREOF, the parties hereto have executed this instrument as of the date hereinabove set forth.

Unit Operator and Working Interest Owner  
El Paso Natural Gas Company

By:   
\_\_\_\_\_  
Kent Beers  
Attorney-in-fact

Successor Unit Operator and Working  
Interest Owner, Meridian Oil Inc.

By:   
\_\_\_\_\_  
Kent Beers  
Attorney-in-Fact

ACKNOWLEDGMENTS

STATE OF NEW MEXICO        )  
                                  ) ss.  
COUNTY OF SAN JUAN        )

The foregoing instrument was acknowledged before me this 29th day of April, 1991, by Kent Beers, as Attorney-in-fact on behalf of El Paso Natural Gas Company.

Kathlene A. Webb  
Notary Public

My commission expires:

November 8, 1994

STATE OF NEW MEXICO        )  
                                  ) ss.  
COUNTY OF SAN JUAN        )

The foregoing instrument was acknowledged before me this 29th day of April, 1991, by Kent Beers, as Attorney-in-fact on behalf of Meridian Oil Inc.

Kathlene A. Webb  
Notary Public

My commission expires:

November 8, 1994

RESIGNATION OF UNIT OPERATOR AND DESIGNATION OF SUCCESSOR UNIT OPERATOR  
SAN JUAN 28-5 UNIT AREA.



OIL CONSERVATION DIVISION  
 RECEIVED  
 P.O. Box 4289  
 Farmington, New Mexico 87499-4289  
 Phone: 505-326-9700  
 '91 FEB 29 11 09 19

February 26, 1991

Bureau of Land Management  
 Farmington Resource Area  
 1235 La Plata Highway  
 Farmington, NM 87401

Commissioner of Public Lands  
 State of New Mexico  
 P.O. Box 1148  
 Santa Fe, NM 87501-1148

Oil Conservation Division  
 State of New Mexico  
 P.O. Box 2088  
 Santa Fe, NM 87501-2088

RE: San Juan 28-5 Unit, #14-08-001-0949  
 Rio Arriba County, New Mexico  
1991 Plan of Development

Gentlemen:

By letters dated February 28, 1990, El Paso Natural Gas Company, as Unit Operator, for the referenced Unit, filed the Plan of Development for the calendar year 1990. This program provided for the drilling of eighteen (18) Fruitland Coal wells. The #219, N/2 30-28N-5W & #223, S/2 34-28N-5W were drilled.

The following wells were not drilled and should be cancelled from the Plan of Development:

<u>Well Name</u>	<u>Drilling Block</u>	<u>Formation</u>
San Juan 28-5 Unit #210	N/2 13-28N-5W	Fruitland Coal
San Juan 28-5 Unit #211	S/2 13-28N-5W	Fruitland Coal
San Juan 28-5 Unit #200	N/2 14-28N-5W	Fruitland Coal
San Juan 28-5 Unit #212	S/2 15-28N-5W	Fruitland Coal
San Juan 28-5 Unit #213	S/2 17-28N-5W	Fruitland Coal
San Juan 28-5 Unit #214	S/2 18-28N-5W	Fruitland Coal
San Juan 28-5 Unit #215	N/2 19-28N-5W	Fruitland Coal
San Juan 28-5 Unit #216	S/2 19-28N-5W	Fruitland Coal
San Juan 28-5 Unit #217	S/2 20-28N-5W	Fruitland Coal
San Juan 28-5 Unit #218	S/2 21-28N-5W	Fruitland Coal
San Juan 28-5 Unit #220	N/2 33-28N-5W	Fruitland Coal
San Juan 28-5 Unit #221	S/2 33-28N-5W	Fruitland Coal
San Juan 28-5 Unit #222	N/2 34-28N-5W	Fruitland Coal
San Juan 28-5 Unit #224	N/2 35-28N-5W	Fruitland Coal
San Juan 28-5 Unit #225	S/2 35-28N-5W	Fruitland Coal
San Juan 28-5 Unit #226	N/2 36-28N-5W	Fruitland Coal

Regulatory Agencies  
February 26, 1991  
Page Two

As of this date, the total number of wells in the San Juan 28-5 Unit is as follows:

Fruitland, Being Evaluated	6
Pictured Cliffs, Commercial	1
Pictured Cliffs/Mesaverde Duals, Commercial	3
Mesaverde, Commercial	56
Mesaverde, Non-Commercial	1
Mesaverde, Disconnected	1
Mesaverde, Plugged & Abandoned	2
Mesaverde/Dakota Duals, Commercial	11
Dakota, Commercial	56
Dakota, Non-Commercial	<u>1</u>
	138

Pursuant to Section 10 of the San Juan 28-5 Unit Agreement, El Paso Natural Gas Company, as Unit Operator, hereby submits no wells for the 1991 Plan of Development.

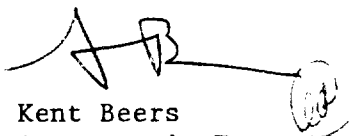
El Paso Natural Gas Company has contacted all of the working interest owners and has received the necessary concurrence to propose the drilling of no wells during the calendar year 1991.

El Paso Natural Gas Company, as Unit Operator, plans to drill any offset wells required to prevent drainage of unitized substances and any other wells deemed necessary or desirable by the Unit Operator and the working interest owners.

If this Plan of Development is acceptable, please signify your approval as required under Section 10 of the Unit Agreement in the space provided on the attached sheet and return an approved copy to the attention of the undersigned at the letterhead address.

Copies of this letter are being sent to the working interest owners shown on the attached sheet.

Very truly yours,

  
Kent Beers  
Attorney-in-Fact

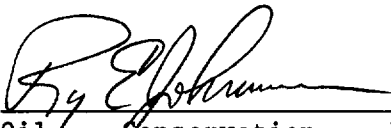
KB/LD/sf  
ID.#243+8  
Enclosures  
San Juan 28-5 Unit, 3.0

APPROVED: \_\_\_\_\_  
Bureau of Land Management  
(Subject to like approval by  
the Oil Conservation Division)

DATED: \_\_\_\_\_

APPROVED: N/A for Information Only  
Commissioner of Public Lands

DATED: N/A

APPROVED:   
Oil Conservation Division  
(Subject to like approval by  
the Bureau of Land Management)

DATED: 3-6-91

The foregoing approvals for the 1991 Plan of Development for the San Juan 28-5 Unit, #14-08-001-0949, Rio Arriba County, New Mexico.



SAN JUAN 28-5 UNIT WORKING INTEREST OWNERS

W. E. Alsup, Jr., Anc. Executor  
Estate of W. E. Alsup

Mr. James M. Raymond, Individually  
& Trustee for Corinne Miller Gay  
& Maydell Miller Mast Trusts

Amoco Production Company

Bolack Minerals Co.

Max B. Rotholz

Jay I. Cohen, Trustee for  
the Abercrombie Trust

Mr. Robert P. Tinnin

Mr. & Mrs. Thomas Dugan

Vaughan-McElvain Energy, Inc.

EJE Brown Company

Ruth Zimmerman Trust

Fina Oil & Chemical Company

Kerr-McGee Corporation

T. H. & Nancy Harrington

Col. Langdon Dewey Harrison

Mrs. Catherine M. Harvey

MAR Oil and Gas Corporation, Inc.

Mr. James E. McElvain, Executor  
for Estate of Carl R. McElvain

Mr. T. H. McElvain, Jr.  
T. H. McElvain Oil & Gas Properties

Northwest Pipeline Corporation

Phillips Petroleum Company

H.O. Pool Trust

Sunwest Bank of Albuquerque, N.A.  
Agent for Kathleen Quinn

NEW MEXICO OIL CONSERVATION DIVISION  
RECEIVED

#553

'90 APR 9 AM 8 47

San Juan 28-5 Unit (PA)  
3180 (019)

APR 03 1990

El Paso Natural Gas Company  
P. O. Box 4289  
Farmington, NM 87499-4289

Gentlemen:

Reference is made to your application dated March 6, 1990 for the amended First Expansion and the Second Expansion of the Pictured Cliffs Participating Area, located within the San Juan 28-5 Unit.

Pursuant to Section 11a of the referenced unit agreement, we have determined that the San Juan 28-5 Unit well No. 29A is not capable of producing unitized substances in paying quantities. Accordingly, your application for an amended First Expansion and a Second Expansion of the Pictured Cliffs Formation is hereby denied. The original First Expansion effective May 1, 1981 will remain as is. The San Juan 28-5 Unit well No. 29A will produce and should be reported on a lease basis.

If you have any questions, please contact Kenny Howell at the above address or telephone (505) 327-3344.

Sincerely,

/s/ John L. Keller

John L. Keller, Chief  
Branch of Mineral Resources

cc Commissioner of Public Lands, State of New Mexico, P. O. Box 1148,  
Santa Fe, NM 87504  
New Mexico Oil Conservation Division, 310 Old Santa Fe Trail,  
Room 206, Santa Fe, NM 87503

ILLEGIBLE

OIL CONSERVATION DIVISION

'90 MAR 9 AM 9 06

**El Paso**  
Natural Gas Company

3535 East 30th Street  
P.O. Box 4289  
Farmington, N.M. 87499-4289  
Phone: 505-326-9700

March 6, 1990

Bureau of Land Management  
Attention: Mr. John Keller  
1235 La Plata Highway  
Farmington, New Mexico 87401

Oil Conservation Division  
State of New Mexico  
P.O. Box 2088  
Santa Fe, New Mexico 87501-2088

Commissioner of Public Lands  
State of New Mexico  
P.O. Box 1148  
Santa Fe, New Mexico 87504-1148

Re: San Juan 28-5 Unit, 14-08-001-949  
Rio Arriba County, New Mexico  
AMENDED FIRST EXPANSION  
Effective March 1, 1981  
SECOND EXPANSION  
Effective May 1, 1981  
PICTURED CLIFFS PARTICIPATING AREA

Gentlemen:

Pursuant to Section 11A of the referenced unit agreement, as unit operator, submits the referenced proposed expansions.

It has been determined that the San Juan 28-5 Unit #29A has been deemed as a commercial Pictured Cliffs well and would create the First Expansion to the Pictured Cliffs Participating Area. The effective date would be March 1, 1981.

The original first expansion included the N/2 Section 31, T28N, R5W due to the commerciality of the San Juan 28-5 #51A, effective May 1, 1981.

Since the #29A was completed prior to the #51A the first expansion is being amended and the second expansion created.

Listed below is the acreage deemed commercial for the proposed amended first and second expansions:

First Amended Pictured Cliffs  
Participating Area  
Effective March 1, 1981

<u>Drilling Block</u>	<u>Acres</u>	<u>Tract No. and Lease No.</u>	<u>Well Name</u>
N/2 18-28N-5W	320.00	SF-079250	S.J. 28-5 Unit #29A

Pertinent data for this well is as follows:

The San Juan 28-5 Unit #29A well is located 1100' FNL, 940' FWL Section 18, T28N, R5W, N.M.P.M. It was spudded on November 26, 1980 and completed as a Pictured Cliffs/Mesaverde dual on February 18, 1981 to a total depth of 6248'. The Pictured Cliffs formation was perforated 3639-50', 3654-72', 3672-90', 3709-22' w/1 SPZ. Fraced w/60,000# 10/20 sand, 55,000 gal. water flushed w/6,000 gallons water. Additional economic data is attached as Exhibit 1 for the commerciality determination.

Second Pictured Cliffs  
Participating Area  
Effective May 1, 1981

<u>Drilling Block</u>	<u>Acres</u>	<u>Tract No. and Lease No.</u>	<u>Well Name</u>
N/2 31-28N-5W	320.00	SF-079521-A	S.J. 28-5 Unit #51A

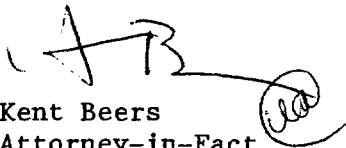
This well was submitted as the first expansion to the Pictured Cliffs by letter dated October 19, 1982. Inasmuch as it was completed in May, 1981 it is now being moved to the second expansion.

The Schedules II and III, showing the Amended First and Second Expansions are attached. They describe the expanded area and show the percentage of unitized substances allocated to each tract. Inasmuch as the schedules require no official approval, no provision is made therefore, and in the absence of disapproval, these Participating Areas will be come effective March 1, 1981 and May 1, 1981 respectively.

Copies of this letter are being sent to the unit owners on the attached sheet.

If there are any questions please contact Linda Donohue at 326-9760.

Very truly yours,

  
Kent Beers  
Attorney-in-Fact

KB:LD:jf

18+

Attachment

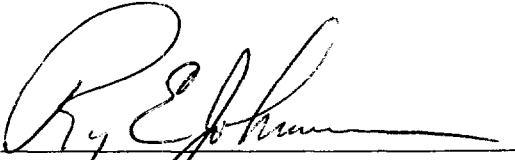
San Juan 28-5, 4.1

APPROVED: \_\_\_\_\_  
Bureau of Land Management  
(Subject to like approval by the  
Commissioner of Public Lands and  
the Oil Conservation Division)

DATED: \_\_\_\_\_

APPROVED: N/A (sent for information only)  
Commissioner of Public Lands  
(Subject to like approval by the  
Bureau of Land Management and the  
Oil Conservation Division)

DATED: \_\_\_\_\_

APPROVED:   
Oil Conservation Division  
(Subject to like approval by the  
Bureau of Land Management and the  
Commissioner of Public Lands)

DATED: 3-12-90

The foregoing approvals are for the Amended First and Second Participating Areas for the Pictured Cliffs Formation, San Juan 28-5 Unit, #14-08-001-949, Rio Arriba County, New Mexico.

Meridian Oil Inc.  
San Juan 28-5, Unit #29A  
Non-Commercial Determination

Exhibit '1'

Date Spudded	- 11/26/80
Date Completed	- 02/18/81
Date of First Delivery	- 04/28/81
Date of Commerciality Submittal	- 01/05/90

Well Cost Data

Well Costs - \$78,370

Production Taxes

	<u>Gas</u> <u>% of Revenue</u>	<u>Oil</u> <u>% of Revenue</u>
Severance Tax	- \$0.163/MCF to 06/30/90 3.75% thereafter	3.75%
School Tax	- 3.15%	3.15%
Ad Valorem	- 2.31%	2.31%
Conservation Tax	- 0.19%	0.19%

Average Product Pricing

	<u>Gas</u>
1981	- \$1.25/MCF
1982	- \$1.49/MCF
1983	- \$1.75/MCF
1984	- \$2.00/MCF
1985	- \$1.30/MCF
1986	- \$1.30/MCF
1987	- \$1.45/MCF
1988	- \$1.55/MCF

Based on a heating value of 1000 MBTU/MCF.

Estimated Annual Production and Operating Expenses

	<u>Gas (MMCF)</u>	<u>Oil (MBO)</u>	<u>Operating Expense (M\$)</u>
1981	13.6	0.00	2.0
1982	11.2	0.00	2.0
1983	12.8	0.00	2.0
1984	2.50	0.00	1.0
1985	12.5	0.00	2.2
1986	12.8	0.00	2.2
1987	14.3	0.00	2.2
1988	10.7	0.00	2.2
1989	13.6	0.00	2.5
1990	13.4	0.00	2.5
1991	13.1	0.00	2.5

- Annual Production and Operating Expenses are adjusted for anticipated market constraints. Operating Expenses are based on producing time and are not escalated for inflation.
- The well can be produced to an economic limit of 15 MCFD under the current economic and operating conditions.

Test Data

<u>Date</u>	<u>WHSIP</u> <u>(psig)</u>	<u>Duration</u> <u>of Flow</u>	<u>WHFTP</u> <u>(psig)</u>	<u>WHFCP</u> <u>(psig)</u>	<u>Q (MCFD)</u>	<u>AOE (MCFD)</u>
02/18/81	1,065	3 hrs.	69	-	974	979

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	OWNERSHIP	DRILLING BLOCK	PERCENTAGE COMMITTED	PERCENTAGE ACTUAL PARTICIPATION
SF 079250	28N 5W SEC. 18 N/2	320.00	ORRI: ROYALTY: WORKING INTEREST: EL PASO PRODUCTION CO.	TRACT: 001	5.000000 12.500000	50.056313
			TOTAL		82.500000 100.000000	50.056313
SF 079521-A	28N 5W SEC. 31 LOTS 1-4, N/2 S/2(S/2)	319.28	ORRI: ROYALTY: WORKING INTEREST: RUTH ZIMMERMAN MAX ROTHOLZ THOMAS A. DUGAN, ET UX T.H. MCELVAIN JR. W E ALSUP CATHERINE MCELVAIN HARVEY KERR MCGEE CORPORATION JAMES M RAYMOND J R ABERCROMBIE R.P. TINNIN T.H. MCELVAIN OIL & GAS PROP MAR OIL AND GAS CORP. OMEGA E. QUINN H. O. POOL TRUST E J E BROWN COMPANY MAYDELLE MILLER MAST TRUST CORRINE MILLER GAY TRUST KATHLEEN QUINN MERIDIAN OIL PRODUCTION INC. EL PASO PRODUCTION CO.	TRACT: 008	20.781200 12.500000	49.943687
			TOTAL		0.382813 0.382812 1.148437 0.478516 1.914064 0.478516 1.148438 0.797523 0.382813 0.287110 3.828125 2.734375 0.861328 2.296875 2.296875 0.079750 0.079753 0.765625 1.531252 44.843800	100.000000

REMARKS: ORRI REFLECTS AN NPI OF 20.7812 BORNE SOLELY BY EPPC.

RUN DATE 03/06/90  
RUN TIME 10:13:18

EL PASO NATURAL GAS

Amended SCHEDULE II

RECAPITULATION

PAGE 1

FED535AP-A

DESCRIPTION OF COMMITTED LANDS IN PARTICIPATING AREA:

TOWNSHIP 28N , RANGE 5W  
SECTION 18 : N/2  
SECTION 31 : LOTS 1-4,  
TOTAL COMMITTED:

N/2 S/2(S/2)  
639.28

TOTAL ACRES NON-COMMITTED: 0.00

TOTAL NUMBER OF ACRES IN PARTICIPATING AREA: 639.28



SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	OWNERSHIP	DRILLING BLOCK	PERCENTAGE COMMITTED	PERCENTAGE ACTUAL PARTICIPATION
SF 079250	28N 5W SEC. 18 N/2	320.00	ORRI: ROYALTY: WORKING INTEREST: EL PASO PRODUCTION CO.	TRACT: 001	5.000000 12.500000 82.500000 100.000000	33.358352
TOTAL					100.000000	100.000000
SF 079521-A	28N 5W SEC. 31 LOTS 1-4, N/2, N/2 S/2, (ALL)	639.28	ORRI: ROYALTY: WORKING INTEREST: RUTH ZIMMERMAN MAX ROTHOLZ THOMAS A. DUGAN, ET UX T.H. MCELVAIN JR. W E ALSUP CATHERINE MCELVAIN HARVEY KERR MCGEE CORPORATION JAMES M RAYMOND J R ABERCROMBIE R.P. TINNIN T.H. MCELVAIN OIL & GAS PROP MAR OIL AND GAS CORP. OMEGA E. QUINN H. O. POOL TRUST E J E BROWN COMPANY MAYDELLE MILLER MAST TRUST CORRINE MILLER GAY TRUST KATHLEEN QUINN MERIDIAN OIL PRODUCTION INC. EL PASO PRODUCTION CO.	TRACT: 008	20.781200 12.500000 0.382813 0.382812 1.148437 0.478516 1.914064 0.478516 1.148438 0.797523 0.382813 0.287110 3.828125 2.734375 0.861328 2.296875 2.296875 0.079750 0.079753 0.765625 1.531252 44.843800	66.641648
TOTAL					100.000000	100.000000

REMARKS: ORRI REFLECTS AN NPI OF 20.7812 BORNE SOLELY BY EPPC.

DESCRIPTION OF COMMITTED LANDS IN PARTICIPATING AREA:  
SECTION 18 : N/2  
SECTION 31 : LOTS 1-4, N/2, N/2 S/2, (ALL)  
TOTAL COMMITTED: 959.28

DESCRIPTION OF NON-COMMITTED LANDS IN PARTICIPATING AREA:  
TOTAL ACRES NON-COMMITTED: 0.00

TOTAL NUMBER OF ACRES IN PARTICIPATING AREA: 959.28

#553

**El Paso**  
Natural Gas Company

RECEIVED DIVISION  
MAR 5 AM 10 11 '90

3535 East 30th Street  
P.O. Box 4289  
Farmington, N.M. 87499-4289  
Phone: 505-326-9700

February 28, 1990

Bureau of Land Management  
Farmington Resource Area  
1235 La Plata Highway  
Farmington, New Mexico 87401

Commissioner of Public Lands  
State of New Mexico  
P.O. Box 1148  
Santa Fe, NM 87501

Oil Conservation Division  
State of New Mexico  
P.O. Box 2088  
Santa Fe, NM 87501

Re: San Juan 28-5 Unit, #14-08-001-0949  
Rio Arriba County, New Mexico  
1990 Plan of Development

Gentlemen:

By letter dated February 28, 1989, El Paso Natural Gas Company, as Unit Operator, for the referenced Unit, filed the Plan of Development for the calendar year 1989. This program provided for the drilling of five (5) Fruitland Coal wells. The #201, N/2 15-28N-5W; #202, N/2 16-28N-5W; #203, N/2 17-28N-5W and #204, N/2 18-28N-5W were drilled. The #200, N/2 14-28N-5W should be carried over to 1990 for development.

As of this date, the total number of wells in the San Juan 28-5 Unit is as follows:

Fruitland, Being Evaluated	4
Pictured Cliffs, Commercial	1
Pictured Cliffs/Mesaverde Duals, Commercial	3
Mesaverde, Commercial	56
Mesaverde, Non-Commercial	1
Mesaverde, Disconnected	1
Mesaverde, Plugged & Abandoned	2
Mesaverde/Dakota Duals, Commercial	11
Dakota, Commercial	56
Dakota, Non-Commercial	<u>1</u>
	136

February 28, 1990

Pursuant to Section 10 of the San Juan 28-5 Unit Agreement, El Paso Natural Gas Company, as Unit Operator, hereby submits the following wells for the 1990 Plan of Development.

<u>Well Number</u>	<u>Drilling Block</u>	<u>Formation</u>
San Juan 28-5 Unit #210	N/2 13-28N-5W	Fruitland Coal
San Juan 28-5 Unit #211	S/2 13-28N-5W	Fruitland Coal
San Juan 28-5 Unit #200	N/2 14-28N-5W	Fruitland Coal
San Juan 28-5 Unit #212	S/2 15-28N-5W	Fruitland Coal
San Juan 28-5 Unit #213	S/2 17-28N-5W	Fruitland Coal
San Juan 28-5 Unit #214	S/2 18-28N-5W	Fruitland Coal
San Juan 28-5 Unit #215	N/2 19-28N-5W	Fruitland Coal
San Juan 28-5 Unit #216	S/2 19-28N-5W	Fruitland Coal
San Juan 28-5 Unit #217	S/2 20-28N-5W	Fruitland Coal
San Juan 28-5 Unit #218	S/2 21-28N-5W	Fruitland Coal
San Juan 28-5 Unit #219	N/2 30-28N-5W	Fruitland Coal
San Juan 28-5 Unit #220	N/2 33-28N-5W	Fruitland Coal
San Juan 28-5 Unit #221	S/2 33-28N-5W	Fruitland Coal
San Juan 28-5 Unit #222	N/2 34-28N-5W	Fruitland Coal
San Juan 28-5 Unit #223	S/2 34-28N-5W	Fruitland Coal
San Juan 28-5 Unit #224	N/2 35-28N-5W	Fruitland Coal
San Juan 28-5 Unit #225	S/2 35-28N-5W	Fruitland Coal
San Juan 28-5 Unit #226	N/2 36-28N-5W	Fruitland Coal

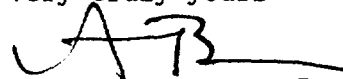
El Paso Natural Gas Company has contacted all of the working interest owners and has received the necessary concurrence to propose the drilling of the above listed wells during the calendar year 1990.

El Paso Natural Gas Company, as Unit Operator, plans to drill any offset wells required to prevent drainage of unitized substances and any other wells deemed necessary or desirable by the Unit Operator and the working interest owners.

If this Plan of Development is acceptable, please signify your approval as required under Section 10 of the Unit Agreement in the space provided on the attached sheet and return an approved copy to the attention of the undersigned at the letterhead address.

Copies of this letter are being sent to the working interest owners shown on the attached sheet.

Very truly yours



Kent Beers  
Attorney-in-Fact



KB:LD:jf

Enclosures

85+

San Juan 28-5 Unit, 3.0

SAN JUAN 28-5 UNIT WORKING INTEREST OWNERS

W. E. Alsup, Jr., Anc. Executor  
Estate of W. E. Alsup

Amoco Production Company

Bolack Minerals Co.

Jay I. Cohen, Trustee for  
the Abercrombie Trust

Mr. & Mrs. Thomas Dugan

Fina Oil & Chemical Company

Kerr-McGee Corporation

T. H. & Nancy Harrington

Col. Langdon Dewey Harrison

Mrs. Catherine M. Harvey

MAR Oil and Gas Corporation, Inc.

Mr. James E. McElvain, Executor  
for Estate of Carl R. McElvain

Mr. T. H. McElvain, Jr.  
T. H. McElvain Oil & Gas Properties

Northwest Pipeline Corporation

Phillips Petroleum Corporation

H.O. Pool Trust

Sunwest Bank of Albuquerque  
Agent for Kathleen Quinn

Mr. James M. Raymond, Individually  
& as Executor of Estate of  
Mabelle McElvain Miller Nestler,  
& Trustee for Corinne Miller Gay  
& Maydell Miller Mast Trusts

Max B. Rotholz

Mr. Robert P. Tinnin

Vaughan-McElvain Energy, Inc.

Mrs. Evelyn Ellen Wallace &  
Mr. James A. Brown, Trustees  
under the Last Will & Testament  
of A.W. Brown (EJE Company)

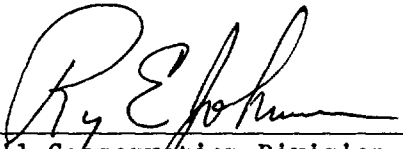
Ruth Zimmerman

APPROVED: \_\_\_\_\_  
Bureau of Land Management  
(Subject to like approval by the  
Commissioner of Public Lands and  
the Oil Conservation Division)

DATED: \_\_\_\_\_

APPROVED: \_\_\_\_\_  
Commissioner of Public Lands  
(Subject to like approval by the  
Bureau of Land Management and the  
Oil Conservation Division)

DATED: \_\_\_\_\_

APPROVED:  \_\_\_\_\_  
Oil Conservation Division  
(Subject to like approval by the  
Bureau of Land Management and the  
Commissioner of Public Lands)

DATED: 3-6-90

The foregoing approvals for the 1990 Plan of Development for the San Juan 28-5 Unit, #14-08-001-0949, Rio Arriba County, New Mexico.

**El Paso**

Natural Gas Company

90 FEB 22 AM 8 53

3535 East 30th Street  
P.O. Box 4289  
Farmington, N.M. 87499-4289  
Phone: 505-326-9700

February 16, 1990

Bureau of Land Management  
Attention: Mr. John Keller  
1235 La Plata Highway  
Farmington, New Mexico 87401Commissioner of Public Lands  
State of New Mexico  
P.O. Box 1148  
Santa Fe, New Mexico 87504-1148Oil Conservation Division  
State of New Mexico  
P.O. Box 2088  
Santa Fe, New Mexico 87501-2088Re: San Juan 28-5 Unit, 14-08-001-949  
NON-COMMERCIAL WELL DETERMINATION  
Pictured Cliffs Formation  
Rio Arriba County, New Mexico

Gentlemen:

In accordance with Section 11A of the referenced unit agreement, dated April 10, 1953, El Paso Natural Gas Company, as unit operator, has determined that the following described well is not capable of producing unitized substances in order to be included in the Pictured Cliffs Participating Area:

San Juan 28-5 Unit #38A, Tract No. 7, SF-079521

This well is located 845' FSL, 1610' FEL, Section 32, T28N, R5W, N.M.P.M., Rio Arriba County, New Mexico. The well was spud on September 21, 1980 and completed February 11, 1981 as a dual Tapacito Pictured Cliffs/Blanco Mesaverde well. The Mesaverde formation was drilled on existing Participating Area acreage. The Pictured Cliffs formation was perforated at the following depths:

3296-3308, 3308-3320, 3332-3342, 3343-3356' w/1 SPZ. Fraced w/46,000#  
10/20 sand 62,000 gal. water. Flushed w/5800 gal. water.

A copy of the well completion report and a summary of our determination are enclosed for your review.

February 16, 1990

Based upon the information being submitted it is recommended that this well be deemed non-commercial for unit purposes.

If you are in agreement we would appreciate you advising of your approval on the attached letter ballot.

This letter is being furnished to the San Juan 28-5 Unit working interest owners on the attached sheet.

Yours very truly,

A handwritten signature in black ink, appearing to read 'K. Beers', with a horizontal line extending to the right.

Kent Beers  
Regional Land Manager

A small circular stamp or mark, possibly containing initials or a date, located to the right of the typed name.

KE:LD:jf

Attachments

Doc. 18+

San Juan 28-5 Unit, 4.1.1

cc: Mr. J. E. Craddock



APPROVED: \_\_\_\_\_

Bureau of Land Management  
(Subject to like approval by the  
Commissioner of Public Lands and  
the Oil Conservation Division)

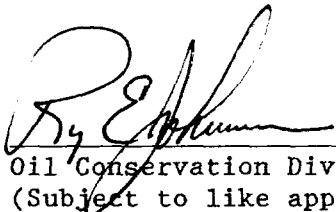
DATED: \_\_\_\_\_

APPROVED: \_\_\_\_\_

Commissioner of Public Lands  
(Subject to like approval by the  
Bureau of Land Management and the  
Oil Conservation Division)

DATED: \_\_\_\_\_

APPROVED: \_\_\_\_\_

  
Oil Conservation Division  
(Subject to like approval by the  
Bureau of Land Management and the  
Commissioner of Public Lands)

DATED: 2-23-90

The foregoing approvals for non-commercial well determination for the San Juan 28-5 Unit (#38A), (14-08-001-949), Rio Arriba County, New Mexico.

SAN JUAN 28-5 UNIT  
PICTURED CLIFFS PARTICIPATING AREA OWNERS

W. E. Alsup, Jr.

Jay I. Cohen Trustee for  
the Abercrombie Trust

Mr. & Mrs. Tom Dugan

Kerr-McGee Corporation

Col. Langdon Dewey Harrison  
Trustee Omega E. Quinn

Catherine McElvain Harvey

MAR Oil and Gas Corporation, Inc.

T. H. McElvain, Jr.

H. O. Pool Trust

Sunwest Bank of Albuquerque  
Agent for Kathleen Quinn

James M. Raymond, Individually & as Executor of Estate of Mabelle  
McElvain Miller Nestler, & Trustee for Corinne Miller Gay & Maydell  
Miller Mast Trusts

Max B. Rotholz

Mr. Robert P. Tinnin

Evelyn Wallace & James A. Brown  
(EJE Company)

Ruth Zimmerman

Meridian Oil Inc.  
San Juan 28-5, Unit #38A  
Non-Commercial Determination

Date Spudded	- 09/21/80
Date Completed	- 02/11/81
Date of First Delivery	- 04/11/81
Date of Commerciality Submittal	- 01/05/90

Well Cost Data

Pictured Cliffs Well Costs - \$101,243

Production Taxes

	<u>Gas</u> <u>% of Revenue</u>	<u>Oil</u> <u>% of Revenue</u>
Severance Tax	- \$0.163/MCF to 06/30/90 3.75% thereafter	3.75%
School Tax	- 3.15%	3.15%
Ad Valorem	- 2.31%	2.31%
Conservation Tax	- 0.19%	0.19%

Average Product Pricing

	<u>Gas</u>
1981	- \$1.25/MCF
1982	- \$1.49/MCF
1983	- \$1.75/MCF
1984	- \$2.00/MCF
1985	- \$1.30/MCF
1986	- \$1.30/MCF
1987	- \$1.45/MCF
1988	- \$1.55/MCF

Based on a heating value of 1000 MBTU/MCF.

Estimated Annual Production and Operating Expenses

	<u>Gas (MMCF)</u>	<u>Oil (MBO)</u>	<u>Operating Expense (M\$)</u>
1981	1.18	0.00	1.2
1982	3.08	0.00	1.5
1983	2.33	0.00	1.5
1984	2.57	0.00	1.5
1985	1.90	0.00	1.2
1986	1.69	0.00	1.2
1987	4.84	0.00	2.0
1988	2.09	0.00	1.5
1989	2.38	0.00	1.5
1990	2.40	0.00	1.5
1991	2.80	0.00	2.0

- Annual Production and Operating Expenses are adjusted for anticipated market constraints. Operating Expenses are based on producing time and are not escalated for inflation.

Test Data

<u>Date</u>	<u>WHSIP</u> <u>(psig)</u>	<u>Duration</u> <u>of Flow</u>	<u>WHFTP</u> <u>(psig)</u>	<u>(MCFD)</u>	<u>AOE (MCFD)</u>
02/11/81	988	15 days	118	195	198

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE

(See instructions on reverse side)

Form approved.  
Budget Bureau No. 42-R355.6.

5. LEASE DESIGNATION AND SERIAL NO.

SF 079521

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

San Juan 28-5 Unit

8. FARM OR LEASE NAME

San Juan 28-5 Unit

9. WELL NO.

38A (PM)

10. FIELD AND POOL, OR WILDCAT

Tapacito PC & Blanco MV

11. SEC., T. R., M., OR BLOCK AND SURVEY OR AREA

Sec. 32, T-28-N, R-5-W  
N. M. P. M.

12. COUNTY OR PARISH

Rio Arriba

13. STATE

New Mexico

WELL COMPLETION OR RECOMPLETION REPORT AND LOG \*

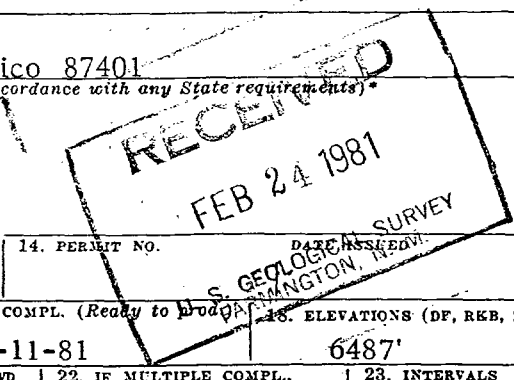
1a. TYPE OF WELL: OIL WELL  GAS WELL  DRY  Other \_\_\_\_\_

b. TYPE OF COMPLETION: NEW WELL  WORK OVER  DEEP-EN  PLUG BACK  DIFF. RESVR.  Other \_\_\_\_\_

2. NAME OF OPERATOR  
El Paso Natural Gas Company

3. ADDRESS OF OPERATOR  
Box 289, Farmington, New Mexico 87401

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)\*  
At surface 845'S, 1610'E  
At top prod. interval reported below  
At total depth



14. PERMIT NO. DATE ASSIGNED

15. DATE SPUNDED 9-21-80 16. DATE T.D. REACHED 9-28-80 17. DATE COMPL. (Ready to produce) 2-11-81

18. ELEVATIONS (DF, REB, RT, GR, ETC.)\* 6487'

19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD 5946' 21. PLUG, BACK T.D., MD & TVD 5925'

22. IF MULTIPLE COMPL., HOW MANY\* 2 23. INTERVALS DRILLED BY 0-5946

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)\* 3296 - 3356 (PC) 4983 - 5815' (MV)

25. WAS DIRECTIONAL SURVEY MADE No

26. TYPE ELECTRIC AND OTHER LOGS RUN CDL-GR; IEL-GR, Temperature Survey

27. WAS WELL CORED No

28. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
9 5/8"	40#	283'	13 3/4"	224 cu. ft.	
7"	20#	3662'	8 3/4"	274 cu. ft.	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)
4 1/2"	3487	5946	430 cu. ft.	

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
2 3/8"	5770'	3494'
1 1/4"	3336'	

31. PERFORATION RECORD (Interval, size and number) 5490, 5496, 5500, 5503, 5505, 5514, 5520, 5526, 5537, 5550, 5570, 5578, 5584, 5590, 5603, 5610, 5627, 5632, 5720, 5736, 5815. 4983, 4987, 5000, 5013, 5024, 5044, 5061, 5066, 5086, 5112, 5118, 5124, 5214, 5290, 5436, 5441. 3296-3308, 3308-3320, 3332-3343, 3343-3356'.

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
5490-5815	56,000# sand, 161,000 gal. water
4983-5441'	39,000# sand, 112,000 gal. water
3296-3356'	46,000# sand, 62,000 gal. water

33.\* PRODUCTION

DATE FIRST PRODUCTION PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) WELL STATUS (Producing or shut-in)

DATE OF TEST MV-2-3-81 HOURS TESTED CHOKE SIZE PROD'N. FOR TEST PERIOD OIL—BBL. GAS—MCF. WATER—BBL. GAS-OIL RATIO

FLOW. TUBING PRESS. CASING PRESSURE CALCULATED 24-HOUR RATE OIL—BBL. GAS—MCF. WATER—BBL. OIL GRAVITY-API (CORR.)

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) TEST WITNESSED BY Melvin Wileman

35. LIST OF ATTACHMENTS

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED W. P. Busco TITLE Drilling Clerk DATE 2-24-81 1981

\*(See Instructions and Spaces for Additional Data on Reverse Side)

OPERATOR

FARMINGTON DISTRICT  
R.B.

# INSTRUCTIONS

**General:** This form is assigned for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on items 22 and 24, and 33, below regarding separate reports for separate completions.

If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 35.

**Item 4:** If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for special instructions.

**Item 18:** Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments.

**Items 22 and 24:** If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

**Item 29:** "Stacks General": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.

**Item 33:** Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

37. SUMMARY OF POROUS ZONES:  
 SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF; CORED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING  
 DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	MEAS. DEPTH	TOP TRUE VERT. DEPTH
				Ojo Alamo	2666	
				Kirtland	2780	
				Fruitland	3040	
				Pictured Cliffs	3285	
				Chacara	4245	
				Mesa Verde	4980	
				Menefee	5135	
				Point Lookout	5485	

38. GEOLOGIC MARKERS



# United States Department of the Interior



BUREAU OF LAND MANAGEMENT  
ALBUQUERQUE DISTRICT OFFICE  
435 MONTANO N.E.  
ALBUQUERQUE, NEW MEXICO 87107

SJ 28-5 (POD)  
3180 (015)

MAR 24 1989

El Paso Natural Gas Company  
ATTN: Mr. Alan Alexander  
P.O. Box 4289  
Farmington, NM 87499

#553

Gentlemen:

Two approved copies of your 1989 Plan of Development for the San Juan 28-5 Unit Area, Rio Arriba County, New Mexico are enclosed. Such plan, proposing to drill five Fruitland coal wells Numbers 200 - 204 was approved on this date subject to like approval by the appropriate officials of the State of New Mexico.

If you have any questions, please contact Robert Kent at the above address or telephone (505) 761-4503.

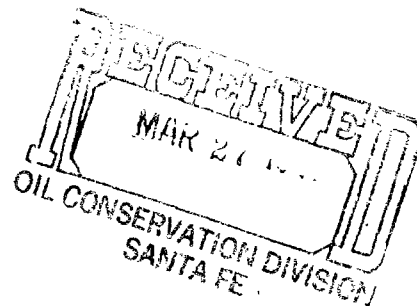
Sincerely,

/s/ Gary A. Stephens

Assistant District Manager  
Mineral Resources

Enclosure

✓ NMOCD, Santa Fe





P O BOX 4289  
FARMINGTON NEW MEXICO 87499  
PHONE 505-325-2841

October 13, 1988

Bureau of Land Management  
South Central Region  
435 Montano N. E.  
Albuquerque, New Mexico 87107

Commissioner of Public Lands  
State of New Mexico  
Post Office Box 1148  
Santa Fe, New Mexico 87501

Oil Conservation Division  
State of New Mexico  
Post Office Box 2088  
Santa Fe, New Mexico 87501

Re: San Juan 28-5 Unit #14-08-001-949  
Rio Arriba County, New Mexico  
Notice of Completion of Additional  
Wells, Mesaverde Formation

Gentlemen:

Pursuant to Section 11(a) of the San Juan 28-5 Unit Agreement, #14-08-001-949, approved August 25, 1953, El Paso Natural Gas Company, as Unit Operator, determined on the date set out below that two (2) additional wells capable of producing unitized substances from the Mesaverde formation has been completed upon acreage committed to the Unit. These wells are as follows:

The San Juan 28-5 Unit #29 A well was dually completed in the Mesaverde formation and the Pictured Cliffs formation. Both formations were completed on February 3, 1981. The Mesaverde formation was tested on February 3, 1981, with an average production rate of 2,455 MCF/D. The spacing unit for the Mesaverde formation is the N/2 of Section 18, T28N, R5W, N.M.P.M. The Pictured Cliffs formation was tested on February 18, 1981, with an average production rate of 979 MCF/D. The Pictured Cliffs formation is being evaluated for commercialability by our Engineering Department.

The San Juan 28-5 Unit #38 A well was dually completed in the Mesaverde formation and the Pictured Cliffs formation. Both formations were completed on February 11, 1981. The Mesaverde formation was tested on February 3, 1981, with an average production rate of 2,844 MCF/D. The spacing unit for the Mesaverde formation is the S/2 of Section 32, T28N, R5W, N.M.P.M. The Pictured Cliffs formation was tested on February 11, 1981, with an average production rate of 198 MCF/D, and was deemed non-commercial.

Copies of this letter are being sent to the working interest owners on the attached list.

Yours very truly,

A handwritten signature in cursive script that reads "Alan Alexander".

Alan Alexander  
Attorney-in-Fact

AA:SF:tlm  
Enclosure  
S.J. 28-5 Unit, 4.2.1  
Doc. 99+



SAN JUAN 28-5 UNIT  
MESAVERDE PARTICIPATING AREA OWNERS

William E. Alsup, Jr. Ancillary Executor  
Estate of William E. Alsup, Deceased

Bolack Minerals Company

Jay I. Cohen, Trustee for  
Abercrombie Trust

Mr. & Mrs. Thomas A. Dugan

Fina Oil & Chemical Company

Flag-Redfern Oil Company

Col. Langdon D. Harrison

Catherine M. Harvey

MAR Oil and Gas Corporation, Inc.

James E. McElvain  
Executor Estate of Carl R. McElvain

Mr. T. H. McElvain, Jr.  
T. H. McElvain Oil & Gas Properties

Northwest Pipeline Corporation

H. O. Pool Trust

Mrs. Joe Quinn

James M. Raymond, Individually & as Executor of Estate of  
Mabelle McElvain Miller Nestler & Trustee for Corinne Miller  
Gay & Maydell Miller Mast Trusts

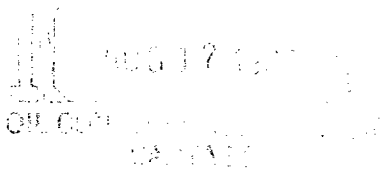
Mr. Robert P. Tinnin

Vaughn-McElvain Energy Inc.

Mrs. Evelyn E. Wallace &  
Mr. James A. Brown, Trustees  
under the Last Will & Testament  
of A. W. Brown (EJE Company)

Ruth Zimmerman

# MERIDIAN OIL



August 15, 1988

Bureau of Land Management  
South Central Region  
435 Montano N. E.  
Albuquerque, New Mexico 87107

Commissioner of Public Lands  
State of New Mexico  
Post Office Box 1148  
Santa Fe, New Mexico 87501

Oil Conservation Division  
State of New Mexico  
Post Office Box 2088  
Santa Fe, New Mexico 87501

Re: San Juan 28-5 Unit #14-08-001-949  
Rio Arriba County, New Mexico  
Notice of Completion of Additional  
Wells, Mesaverde Formation

Gentlemen:

Pursuant to Section 11(a) of the San Juan 28-5 Unit Agreement, #14-08-001-949, approved August 25, 1953, El Paso Natural Gas Company, as Unit Operator, determined on the date set out below that two (2) additional wells capable of producing unitized substances from the Mesaverde formation has been completed upon acreage committed to the Unit. These wells are as follows:

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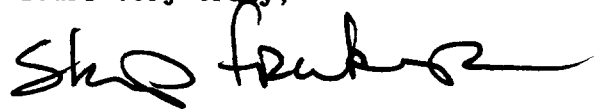
Regulatory Agencies

-2-

August 15, 1988

Copies of this letter are being sent to the working interest owners on the attached list.

Yours very truly,

A handwritten signature in black ink, appearing to read "Skip Fraker". The signature is written in a cursive, somewhat stylized font.

Skip Fraker  
Landman

SF:tlm

Enclosure

S.J. 28-5 Unit, 4.2.1

Doc. 99+

SAN JUAN 28-5 UNIT  
MESAVERDE PARTICIPATING AREA OWNERS

William E. Alsup, Jr. Ancillary Executor  
Estate of William E. Alsup, Deceased

Bolack Minerals Company

Jay I. Cohen, Trustee for  
Abercrombie Trust

Mr. & Mrs. Thomas A. Dugan

Fina Oil & Chemical Company

Flag-Redfern Oil Company

Col. Langdon D. Harrison

Catherine M. Harvey

MAR Oil and Gas Corporation, Inc.

James E. McElvain  
Executor Estate of Carl R. McElvain

Mr. T. H. McElvain, Jr.  
T. H. McElvain Oil & Gas Properties

Northwest Pipeline Corporation

H. O. Pool Trust

Mrs. Joe Quinn

James M. Raymond, Individually & as Executor of Estate of  
Mabelle McElvain Miller Nestler & Trustee for Corinne Miller  
Gay & Maydell Miller Mast Trusts

Mr. Robert P. Tinnin

Vaughn-McElvain Energy Inc.

Mrs. Evelyn E. Wallace &  
Mr. James A. Brown, Trustees  
under the Last Will & Testament  
of A. W. Brown (EJE Company)

Ruth Zimmerman

# MERIDIAN OIL

June 2, 1988

Bureau of Land Management  
South Central Region  
435 Montano N. E.  
Albuquerque, New Mexico 87107

Oil Conservation Division  
State of New Mexico  
Post Office Box 2088  
Santa Fe, New Mexico 87501

Re: San Juan 28-5 Unit, #14-08-001-0949  
Rio Arriba County, New Mexico  
1988 Drilling Program

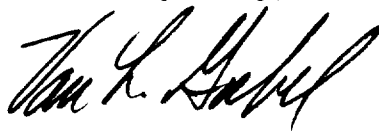
Gentlemen:

The 1988 Drilling Program for the San Juan 28-5 Unit was approved by the regulatory bodies on the dates indicated below:

Bureau of Land Management	5-26-88
Commissioner of Public Lands	N/A
Oil Conservation Division	2-26-88

Copies of this letter are being sent to the working interest owners of the above unit.

Yours very truly,



Van L. Goebel  
Senior Landman

VLG:gm

San Juan 28-5 Unit, 3.0  
Document #0030+

SAN JUAN 28-5 UNIT WORKING INTEREST OWNERS

Mrs. Dorothy Abercrombie  
Gdn. for the John L. Abercrombie Trust

W. E. Alsup, Jr., Anc. Executor  
Estate of W. E. Alsup

Amoco Production Company

Mrs. Lela L. Barkley

Bolack Minerals Co.

Jay I. Cohen, Trustee  
for the Abercrombie Trust

Mr. & Mrs. Thomas Dugan

Fina Oil & Chemical Company

Flag-Redfern Oil Company

T. H. & Nancy Harrington

Col. Langdon Dewey Harrison

Mrs. Catherine M. Harvey

MAR Oil and Gas Corporation, Inc.

Estate of Ralph H. McCullough

Mr. James E. McElvain, Executor  
for Estate of Carl R. McElvain

Mr. T. H. McElvain, Jr.  
T. H. McElvain Oil & Gas Properties

Northwest Pipeline Corporation

Phillips Petroleum Corporation

H. O. Pool Trust

Mrs. Joe Quinn

Mr. James M. Raymond, Individually  
& as Executor of Estate of  
Mabelle McElvain Miller Nestler,  
& Trustee for Corinne Miller Gay  
& Maydell Miller Mast Trusts

Vaughan-McElvain Energy Inc.,  
Nancy Ridgley, Ruth M. Vaughan  
and Brenda V. Petke

Max B. Rotholz

Mr. Robert P. Tinnin

Mrs. Evelyn Ellen Wallace &  
Mr. James A. Brown, Trustees  
under the Last Will & Testament  
of A.W. Brown (EJE Company)

Ruth Zimmerman

553

MAY 27 1988 San Juan 28-5 (POD)  
3180 (015)

El Paso Natural Gas Company  
P.O. Box 4289  
Farmington, NM 87499

Gentlemen:

Three approved copies of your 1988 Plan of Development for the San Juan 28-5 Unit area, Rio Arriba County, New Mexico are enclosed. Such plan, proposing no drilling in 1988 was approved this date.

Starting with the 1989 Plan of Development, please provide the following information in your annual Plan of Development.

1. A summary of operations for the past year which should include up-to-date maps showing the latest geologic interpretations, all wells and participating area boundaries. Should there be no changes from one year to another, reference may be made to the most recent map submitted.
2. A list showing the status of all wells.
3. Performance curves covering the productive life of each horizon under a participating area, including injectivity curves.
4. Your plans for development within the unit area for the next year.
5. Pertinent data as to the effectiveness of the enhanced recovery project (if applicable). This information should include data on current and cumulative water injection rates, current and cumulative water, gas, and oil production and current water-oil ratios. A short discussion as to the general progress of the flood and any significant changes in any phase of the project should also be included.

All plans of development are to be filed in triplicate.

If you have any questions, please contact Shirley Bryant at the above address or telephone (505) 761-4503.

Sincerely,

(Orig. Signed) - Sid Vogelpohl

Assistant District Manager  
Mineral Resources

Enclosure

cc:  
NM-019-----NMOC, Santa Fe w/o encl.  
015:SBryant:ja:5/18/88:0067M

# MERIDIAN OIL

February 20, 1987

Bureau of Land Management  
South Central Region  
Post Office Box 6770  
Albuquerque, New Mexico 87197

Oil Conservation Division  
State of New Mexico  
Post Office Box 2088  
Santa Fe, New Mexico 87501

Re: San Juan 28-5 Unit, #14-08-001-0949  
Rio Arriba County, New Mexico  
1987 Drilling Program

Gentlemen:

By letter dated February 25, 1986 Meridian Oil on behalf of El Paso Natural Gas Company, as Unit Operator, for the referenced unit filed Drilling Programs for the calendar year 1986 which provided for the drilling of nine (9) Mesaverde wells, six (6) Dakota wells, and twelve (12) Mesaverde/Dakota dual wells.

Listed below are the wells which were proposed but have subsequently been cancelled from the 1986 program:

<u>WELL NO</u>	<u>DRILLING BLOCK</u>	<u>FORMATION</u>
# 1A	N/2 Section 29, T28N, R5W	Mesaverde
# 6A	S/2 Section 16, T28N, R5W	Mesaverde
# 9A	S/2 Section 29, T28N, R5W	Mesaverde
# 13A	All Section 9, T28N, R5W Non-Standard Drilling Block	Mesaverde
# 23A	N/2 Section 28, T28N, R5W	Mesaverde
# 26A	N/2 Section 14, T28N, R5W	Mesaverde
# 31A	N/2 Section 13, T28N, R5W	Mesaverde
# 33E	S/2 Section 17, T28N, R5W	Dakota
# 35M	S/2 Section 19, T28N, R5W	Mesaverde/Dakota dual



<u>WELL NO</u>	<u>DRILLING BLOCK</u>	<u>FORMATION</u>
# 41M	N/2 Section 32, T28N, R5W	Mesaverde/Dakota dual
# 42M	S/2 Section 31, T28N, R5W	Mesaverde/Dakota dual
# 50A	S/2 Section 28, T28N, R5W	Mesaverde
# 58M	S/2 Section 30, T28N, R5W	Mesaverde/Dakota dual
# 68M	N/2 Section 33, T28N, R5W (MV)	Mesaverde/Dakota dual
	W/2 Section 33, T28N, R5W (DK)	
# 70M	N/2 Section 34, T28N, R5W (MV)	Mesaverde/Dakota dual
	W/2 Section 34, T28N, R5W (DK)	
# 71E	Lot 2, N/2 SE/4, NE/4 Section 34, NW/4 NW/4 Section 35, T28N, R5W Non-Standard Drilling Block	Dakota
# 72M	N/2 Section 35, T28N, R5W (MV) Lot 1, Section 34, NE/4 NW/4, S/2 NW/4, N/2 SW/4, Lots 3,4, Section 35, T28N, R5W (DK) Non-Standard Drilling Block	Mesaverde Dakota dual
# 73M	S/2 Section 35, T28N, R5W (MV) Lot 2, N/2 SE/4, NE/4 Section 35, NW/4 NW/4, Section 36, T28N, R5W (DK) Non-Standard Drilling Block	Mesaverde/Dakota dual
# 75E	N/2 Section 17, T28N, R5W	Dakota
# 80M	N/2 Section 26, T28N, R5W	Mesaverde/Dakota dual
# 82E	W/2 Section 22, T28N, R5W	Dakota
# 83M	N/2 Section 16, T28N, R5W (MV) W/2 Section 16, T28N, R5W (DK)	Mesaverde/Dakota dual
# 86M	N/2 Section 23, T28N, R5W (MV) W/2 Section 23, T28N, R5W (DK)	Mesaverde/Dakota dual
# 87E	E/2 Section 22, T28N, R5W	Dakota
*# 90	All Section 12, T28N, R5W Non-Standard Drilling Block	Mesaverde
# 93M	S/2 Section 15, T28N, R5W (MV) E/2 Section 15, T28N, R5W (DK)	Mesaverde/Dakota dual
#101E	W/2 Section 13, T28N, R5W	Dakota

\*Outside Mesaverde Participating Area.

As of this date, the total number of wells in the San Juan 28-5 Unit is as follows:

Pictured Cliffs, Commercial	1
Pictured Cliffs/Mesaverde Dual, Commercial	3
Mesaverde, Commercial	57
Mesaverde, Non-Commercial	1
Mesaverde, Disconnected	1
Mesaverde, Plugged & Abandoned	1
Mesaverde/Dakota Dual, Commercial	11
Dakota, Commercial	56
Dakota, Non-Commercial	<u>1</u>
	132

Pursuant to Section 10 of the San Juan 28-5 Unit Agreement Meridian Oil as Unit Operator, hereby submits a Drilling Program providing for the drilling of no wells during calendar year 1987.

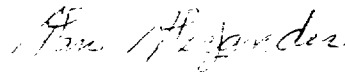
All working interest owners have been contacted regarding this Drilling Program. Meridian Oil as Unit Operator, and the working interest owners believe that all current obligations have been satisfied.

Meridian Oil as Unit Operator, plans to drill any offset wells required to prevent drainage of unitized substances and any other wells deemed necessary or desirable by the Unit Operator and the working interest owners.

If this Drilling Program is acceptable, please signify your approval as required under Section 10 of the Unit Agreement in the space provided on the attached sheet and return an approved copy to the undersigned at the above address.

Copies of this letter are being sent to the working interest owners shown on the attached sheet.

Very truly yours,




Alan Alexander  
District Land Manager *AA*

AA:VLG:LD:gm  
Enclosure  
San Juan 28-5 Unit, 3.0  
Doc. #0356L

xc: Commissioner of Public Lands (Information Only)  
State of New Mexico  
Post Office Box 1148  
Santa Fe, New Mexico 87501

APPROVED: \_\_\_\_\_  
Bureau of Land Management  
(Subject to like approval by  
the Oil Conservation Division)

DATED: \_\_\_\_\_

APPROVED:   
Oil Conservation Division  
(Subject to like approval by the  
Bureau of Land Management)

DATED: 2-24-87

The foregoing approvals are for the 1987 Drilling Program for the  
San Juan 28-5 Unit, #14-08-001-0949, Rio Arriba County, New Mexico.



P.O. BOX 4289  
FARMINGTON, NEW MEXICO 87499  
PHONE 505-325-2841

February 18, 1988

Bureau of Land Management  
South Central Region  
435 Montano N. E.  
Albuquerque, New Mexico 87107

Oil Conservation Division  
State of New Mexico  
Post Office Box 2088  
Santa Fe, New Mexico 87501

Re: San Juan 28-5 Unit, #14-08-001-0949  
Rio Arriba County, New Mexico  
1988 Drilling Program

Gentlemen:

By letter dated August 26, 1987, El Paso Natural Gas Company, as Unit Operator, for the referenced unit filed Drilling Programs for the calendar year 1987 which provided for the drilling of no wells.

As of this date, the total number of wells in the San Juan 28-5 Unit is as follows:

Pictured Cliffs, Commercial	1
Pictured Cliffs/Mesaverde Dual, Commercial	3
Mesaverde, Commercial	57
Mesaverde, Non-Commercial	1
Mesaverde, Disconnected	1
Mesaverde, Plugged & Abandoned	1
Mesaverde/Dakota Dual, Commercial	11
Dakota, Commercial	56
Dakota, Non-Commercial	<u>1</u>

132

Pursuant to Section 10 of the San Juan 28-5 Unit Agreement El Paso Natural Gas Company as Unit Operator, hereby submits a Drilling Program providing for the drilling of no wells during calendar year 1988.

All working interest owners have been contacted regarding this Drilling Program. El Paso Natural Gas Company as Unit Operator, and the working interest owners believe that all current obligations have been satisfied.

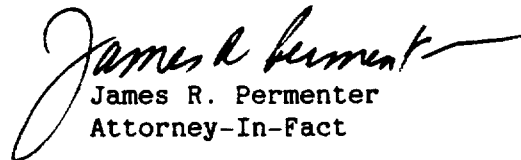
February 18, 1988

El Paso Natural Gas Company as Unit Operator, plans to drill any offset wells required to prevent drainage of unitized substances and any other wells deemed necessary or desirable by the Unit Operator and the working interest owners.

If this Drilling Program is acceptable, please signify your approval as required under Section 10 of the Unit Agreement in the space provided on the attached sheet and return an approved copy to this office.

Copies of this letter are being sent to the working interest owners shown on the attached sheet.

Very truly yours,

  
James R. Permenter  
Attorney-In-Fact

JRP:tlm  
Enclosure  
San Juan 28-5 Unit, 3.0  
Doc. #0033L

xc: Commissioner of Public Lands (Information Only)  
State of New Mexico  
Post Office Box 1148  
Santa Fe, New Mexico 87501

APPROVED: \_\_\_\_\_  
Bureau of Land Management  
(Subject to like approval by  
the Oil Conservation Division)

DATED: \_\_\_\_\_

APPROVED: *Roy E. Johnson*  
Oil Conservation Division  
(Subject to like approval by the  
Bureau of Land Management)

DATED: *2-26-88*

The foregoing approvals are for the 1988 Drilling Program for the  
San Juan 28-5 Unit, #14-08-001-0949, Rio Arriba County, New Mexico.

SAN JUAN 28-5 UNIT WORKING INTEREST OWNERS

Mrs. Dorothy Abercrombie  
Gdn. for the John L. Abercrombie Trust

W. E. Alsup, Jr., Anc. Executor  
Estate of W. E. Alsup

Amoco Production Company

Mrs. Lela L. Barkley

Bolack Minerals Co.

Jay I. Cohen, Trustee  
for the Abercrombie Trust

Mr. & Mrs. Thomas Dugan

Fina Oil & Chemical Company

Flag-Redfern Oil Company

T. H. & Nancy Harrington

Col. Langdon Dewey Harrison

Mrs. Catherine M. Harvey

MAR Oil and Gas Corporation, Inc.

Estate of Ralph H. McCullough

Mr. James E. McElvain, Executor  
for Estate of Carl R. McElvain

Mr. T. H. McElvain, Jr.  
T. H. McElvain Oil & Gas Properties

Northwest Pipeline Corporation

Brenda Petke

Phillips Petroleum Corporation

H. O. Pool Trust

Mrs. Joe Quinn

Mr. James M. Raymond, Individually  
& as Executor of Estate of  
Mabelle McElvain Miller Nestler,  
& Trustee for Corinne Miller Gay  
& Maydell Miller Mast Trusts

Nancy Ridgley

Max B. Rotholz

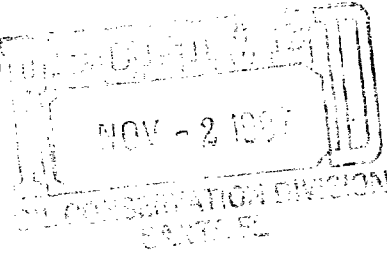
Mr. Robert P. Tinnin

Ruth M. Vaughan

Mrs. Evelyn Ellen Wallace &  
Mr. James A. Brown, Trustees  
under the Last Will & Testament  
of A.W. Brown (EJE Company)

Ruth Zimmerman

MERIDIAN OIL



October 28, 1987

Bureau of Land Management  
South Central Region  
435 Montano N. E.  
Albuquerque, New Mexico 87107

Oil Conservation Division  
State of New Mexico  
Post Office Box 2088  
Santa Fe, New Mexico 87501

Re: San Juan 28-5 Unit, #14-08-001-949  
1987 Drilling Program  
Rio Arriba County, New Mexico

Gentlemen:

The 1987 Drilling Program for the San Juan 28-5 Unit was approved by the regulatory bodies on the dates indicated below:

Bureau of Land Management  
Oil Conservation Division

10-20-87  
09-30-87

Copies of this letter are being sent to the working interest owners of the above unit.

Yours very truly,

Van L. Goebel  
Landman

VLG:gm  
San Juan 28-5 Unit, 3.0  
Doc. #0325L



SAN JUAN 28-5 UNIT WORKING INTEREST OWNERS

Mrs. Dorothy Abercrombie  
Gdn. for the John L. Abercrombie Trust

W. E. Alsup, Jr., Anc. Executor  
Estate of W. E. Alsup

Amoco Production Company

Mrs. Lela L. Barkley

Bolack Minerals Co.

Jay I. Cohen, Trustee  
for the Abercrombie Trust

Mr. & Mrs. Thomas Dugan

Fina Oil & Chemical Company

Flag-Redfern Oil Company

T. H. & Nancy Harrington

Col. Langdon Dewey Harrison

Mrs. Catherine M. Harvey

MAR Oil and Gas Corporation, Inc.

Estate of Ralph H. McCullough

Mr. James E. McElvain, Executor  
for Estate of Carl R. McElvain

Mr. T. H. McElvain, Jr.  
T. H. McElvain Oil & Gas Properties

Northwest Pipeline Corporation

Brenda Petke

Phillips Petroleum Corporation

H. O. Pool Trust

Mrs. Joe Quinn

Mr. James M. Raymond, Individually  
& as Executor of Estate of  
Mabelle McElvain Miller Nestler,  
& Trustee for Corinne Miller Gay  
& Maydell Miller Mast Trusts

Nancy Ridgley

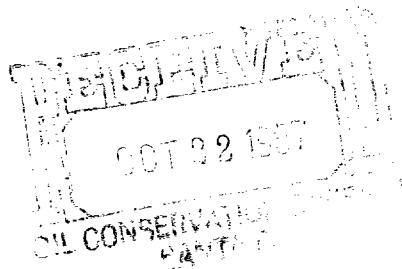
Max B. Rotholz

Mr. Robert P. Tinnin

Ruth M. Vaughan

Mrs. Evelyn Ellen Wallace &  
Mr. James A. Brown, Trustees  
under the Last Will & Testament  
of A.W. Brown (EJE Company)

Ruth Zimmerman



OCT 20 1987

San Juan 28-5 (POD)  
3180 (015)

El Paso Natural Gas Company  
P.O. Box 4289  
Farmington, NM 87499

Gentlemen:

Two approved copies of your 1987 Plan of Development for the San Juan 28-5 Unit area, Rio Arriba County, New Mexico are enclosed. Such plan, proposing no wells in 1987 was approved on this date.

If you have any question, please contact Shirley Bryant at the above address or telephone (505) 761-4503.

Sincerely,

(Orig. Signed) - Sid Vogelpohl

Assistant District Manager  
Mineral Resources

cc:

WFOCD, Santa Fe w/o encl.  
Comm. of Pub. Lands, Santa Fe w/o encl.  
NM-016  
015:SBryant:rvh:10/16/87:3562M

August 26, 1987

Bureau of Land Management  
South Central Region  
435 Montano N. E.  
Albuquerque, New Mexico 87107

Oil Conservation Division  
State of New Mexico  
Post Office Box 2088  
Santa Fe, New Mexico 87501

Re: San Juan 28-5 Unit, #14-08-001-0949  
Rio Arriba County, New Mexico  
1987 Drilling Program

Gentlemen:

By letter dated February 25, 1986 El Paso Natural Gas Company, as Unit Operator, for the referenced unit filed Drilling Programs for the calendar year 1986 which provided for the drilling of nine (9) Mesaverde wells, six (6) Dakota wells, and twelve (12) Mesaverde/Dakota dual wells.

Listed below are the wells which were proposed but have subsequently been cancelled from the 1986 program:

<u>WELL NO</u>	<u>DRILLING BLOCK</u>	<u>FORMATION</u>
# 1A	N/2 Section 29, T28N, R5W	Mesaverde
# 6A	S/2 Section 16, T28N, R5W	Mesaverde
# 9A	S/2 Section 29, T28N, R5W	Mesaverde
# 13A	All Section 9, T28N, R5W Non-Standard Drilling Block	Mesaverde
# 23A	N/2 Section 28, T28N, R5W	Mesaverde
# 26A	N/2 Section 14, T28N, R5W	Mesaverde
# 31A	N/2 Section 13, T28N, R5W	Mesaverde
# 33E	S/2 Section 17, T28N, R5W	Dakota
# 35M	S/2 Section 19, T28N, R5W	Mesaverde/Dakota dual

<u>WELL NO</u>	<u>DRILLING BLOCK</u>	<u>FORMATION</u>
# 41M	N/2 Section 32, T28N, R5W	Mesaverde/Dakota dual
# 42M	S/2 Section 31, T28N, R5W	Mesaverde/Dakota dual
# 50A	S/2 Section 28, T28N, R5W	Mesaverde
# 58M	S/2 Section 30, T28N, R5W	Mesaverde/Dakota dual
# 68M	N/2 Section 33, T28N, R5W (MV)	Mesaverde/Dakota dual
	W/2 Section 33, T28N, R5W (DK)	
# 70M	N/2 Section 34, T28N, R5W (MV)	Mesaverde/Dakota dual
	W/2 Section 34, T28N, R5W (DK)	
# 71E	Lot 2, N/2 SE/4, NE/4 Section 34, NW/4 NW/4 Section 35, T28N, R5W Non-Standard Drilling Block	Dakota
# 72M	N/2 Section 35, T28N, R5W (MV)	Mesaverde Dakota dual
	Lot 1, Section 34, NE/4 NW/4, S/2 NW/4, N/2 SW/4, Lots 3,4, Section 35, T28N, R5W (DK)	
	Non-Standard Drilling Block	
# 73M	S/2 Section 35, T28N, R5W (MV)	Mesaverde/Dakota dual
	Lot 2, N/2 SE/4, NE/4 Section 35, NW/4 NW/4, Section 36, T28N, R5W (DK)	
	Non-Standard Drilling Block	
# 75E	N/2 Section 17, T28N, R5W	Dakota
# 80M	N/2 Section 26, T28N, R5W	Mesaverde/Dakota dual
# 82E	W/2 Section 22, T28N, R5W	Dakota
# 83M	N/2 Section 16, T28N, R5W (MV)	Mesaverde/Dakota dual
	W/2 Section 16, T28N, R5W (DK)	
# 86M	N/2 Section 23, T28N, R5W (MV)	Mesaverde/Dakota dual
	W/2 Section 23, T28N, R5W (DK)	
# 87E	E/2 Section 22, T28N, R5W	Dakota
*# 90	All Section 12, T28N, R5W Non-Standard Drilling Block	Mesaverde
# 93M	S/2 Section 15, T28N, R5W (MV)	Mesaverde/Dakota dual
	E/2 Section 15, T28N, R5W (DK)	
#101E	W/2 Section 13, T28N, R5W	Dakota

\*Outside Mesaverde Participating Area.

As of this date, the total number of wells in the San Juan 28-5 Unit is as follows:

Pictured Cliffs, Commercial	1
Pictured Cliffs/Mesaverde Dual, Commercial	3
Mesaverde, Commercial	57
Mesaverde, Non-Commercial	1
Mesaverde, Disconnected	1
Mesaverde, Plugged & Abandoned	1
Mesaverde/Dakota Dual, Commercial	11
Dakota, Commercial	56
Dakota, Non-Commercial	<u>1</u>
	132

Pursuant to Section 10 of the San Juan 28-5 Unit Agreement El Paso Natural Gas Company as Unit Operator, hereby submits a Drilling Program providing for the drilling of no wells during calendar year 1987.

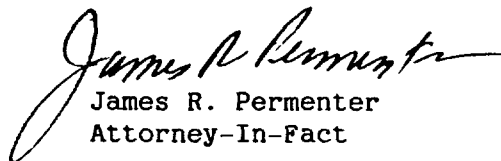
All working interest owners have been contacted regarding this Drilling Program. El Paso Natural Gas Company as Unit Operator, and the working interest owners believe that all current obligations have been satisfied.

El Paso Natural Gas Company as Unit Operator, plans to drill any offset wells required to prevent drainage of unitized substances and any other wells deemed necessary or desirable by the Unit Operator and the working interest owners.

If this Drilling Program is acceptable, please signify your approval as required under Section 10 of the Unit Agreement in the space provided on the attached sheet and return an approved copy to this office.

Copies of this letter are being sent to the working interest owners shown on the attached sheet.

Very truly yours,


  
James R. Permenter  
Attorney-In-Fact

JRP:VLG:LD:gm  
Enclosure  
San Juan 28-5 Unit, 3.0  
Doc. #0033L

xc: Commissioner of Public Lands (Information Only)  
State of New Mexico  
Post Office Box 1148  
Santa Fe, New Mexico 87501

APPROVED: \_\_\_\_\_  
Bureau of Land Management  
(Subject to like approval by  
the Oil Conservation Division)

DATED: \_\_\_\_\_

APPROVED:  \_\_\_\_\_  
Oil Conservation Division  
(Subject to like approval by the  
Bureau of Land Management)

DATED: 9-30-87

The foregoing approvals are for the 1987 Drilling Program for the  
San Juan 28-5 Unit, #14-08-001-0949, Rio Arriba County, New Mexico.

SAN JUAN 28-5 UNIT WORKING INTEREST OWNERS

Mrs. Dorothy Abercrombie  
Gdn. for the John L. Abercrombie Trust

W. E. Alsup, Jr., Anc. Executor  
Estate of W. E. Alsup

Amoco Production Company

Mrs. Lela L. Barkley

Bolack Minerals Co.

Jay I. Cohen, Trustee  
for the Abercrombie Trust

Mr. & Mrs. Thomas Dugan

Fina Oil & Chemical Company

Flag-Redfern Oil Company

T. H. & Nancy Harrington

Col. Langdon Dewey Harrison

Mrs. Catherine M. Harvey

MAR Oil and Gas Corporation, Inc.

Estate of Ralph H. McCullough

Mr. James E. McElvain, Executor  
for Estate of Carl R. McElvain

Mr. T. H. McElvain, Jr.  
T. H. McElvain Oil & Gas Properties

Northwest Pipeline Corporation

Brenda Petke

Phillips Petroleum Corporation

H.O. Pool Trust

Mrs. Joe Quinn

Mr. James M. Raymond, Individually  
& as Executor of Estate of  
Mabelle McElvain Miller Nestler,  
& Trustee for Corinne Miller Gay  
& Maydell Miller Mast Trusts

Nancy Ridgley

Max B. Rotholz

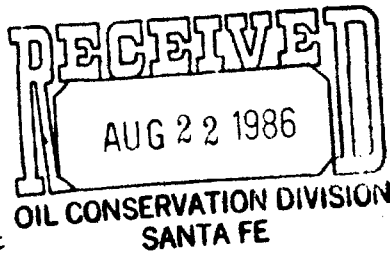
Mr. Robert P. Tinnin

Ruth M. Vaughan

Mrs. Evelyn Ellen Wallace &  
Mr. James A. Brown, Trustees  
under the Last Will & Testament  
of A.W. Brown (EJE Company)

Ruth Zimmerman

**MERIDIAN OIL**



August 19, 1986

Bureau of Land Management  
South Central Region  
Attention: District Manager  
435 Montano Road, N.E.  
Albuquerque, New Mexico 87107

#552

Commissioner of Public Lands  
Attention: Mr. Pete Martinez  
State of New Mexico  
Post Office Box 1148  
Santa Fe, New Mexico 87501

Oil Conservation Division  
State of New Mexico  
Attention: Mr. David Catanach  
Post Office Box 2088  
Santa Fe, New Mexico 87504-2088

Re: San Juan 28-5 Unit  
Rio Arriba County, New Mexico

Gentlemen:

By Conveyance dated July 16, 1986, El Paso Natural Gas Company conveyed all of its rights in various leases, lands and wells to El Paso Production Company. Included in these properties were all of Gas Company's rights in the referenced Unit.

Meridian Oil Inc. is in the process of replacing El Paso Natural Gas Company as operator of the wells and units (including the San Juan 28-5 Unit) transferred by the Conveyance of July 16, 1986, and will operate these properties on behalf of El Paso Production Company.

El Paso Natural Gas Company and Meridian Oil Inc. are wholly owned subsidiaries of Burlington Northern, Inc., and El Paso Production Company is a wholly owned subsidiary of El Paso Natural Gas Company.

All correspondence pertaining to the referenced unit should be directed to the same individuals at the same addresses as in the past. If you have any questions or comments concerning this matter, or this letter, please contact the undersigned.

Copies of this letter are being sent to the working interest owners of the above referenced unit.

Yours very truly,

A handwritten signature in cursive script that reads "Alan Alexander".

Alan Alexander  
District Land Manager

AA/tlm  
San Juan 28-5 Unit, 5.0  
Doc. #0794L



SAN JUAN 28-5 UNIT WORKING INTEREST OWNERS

Mrs. Dorothy Abercrombie

Jay I. Cohen, Trustee  
J. R. Abercrombie Trust

W. E. Alsup, Jr., Anc. Executor  
Estate of W. E. Alsup

Amoco Production Company

Mrs. Lela L. Barkley

Bolack Minerals Co.

Mr. & Mrs. Thomas Dugan

Fina Oil & Chemical Company

Flag-Redfern Oil Company

T. H. & Nancy Harrington

Col. Langdon Dewey Harrison

Mrs. Catherine M. Harvey

Mr. Ralph H. McCullough

Mr. James E. McElvain, Executor  
for Estate of Carl R. McElvain

Mr. T. H. McElvain, Jr.

T. H. McElvain Oil & Gas Properties

Northwest Pipeline Corporation

Brenda Petke

Phillips Petroleum Corporation

H.O. Pool Trust

Mrs. Joe Quinn

Mr. James M. Raymond, Individually  
& as Executor of Estate of  
Mabelle McElvain Miller Nestler,  
& Trustee for Corinne Miller Gay  
& Maydell Miller Mast Trusts

Nancy Ridgley

Mr. M. A. Romero

Max B. Rotholz

Mr. Robert P. Tinnin

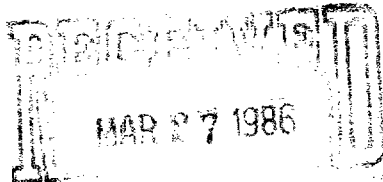
Ruth M. Vaughan

Mrs. Evelyn Ellen Wallace &  
Mr. James A. Brown, Trustees  
under the Last Will & Testament  
of A.W. Brown (EJE Company)

Bureau of Land Management  
Albuquerque District Office  
Minerals Division  
P.O. Box 6770  
Albuquerque, NM 87197-6770

San Juan 28-5  
Unit POD  
3180 (015)

MAR 25 1986



Meridian Oil  
ATTN: Alan Alexander  
P.O. Box 4289  
Farmington, NM 87499

Gentlemen:

Two approved copies of your 1986 Plan of Development for the San Juan 28-5 Unit area, Rio Arriba County, New Mexico are enclosed. Such plan, proposing the drilling of 9 Mesaverde wells, 6 Dakota wells and 12 dual completed Mesaverde/Dakota wells, is approved this date subject to like approval by the appropriate officials of the State of New Mexico.

The possibility of drainage by wells outside of the unit boundary may exist. You will be contacted at a later date about this possibility.

If you have any questions, please contact Gail Keller at the above address or telephone (505) 766-2841.

Sincerely,

For District Manager

Enclosures

cc:

✓ NMOCD, Santa Fe  
Micrographics 943B-1  
Fluids Section FRAH  
O&G Chron

015:GKeller:klm:3-20-86:1661M

#553

MERIDIAN OIL

February 25, 1986

Bureau of Land Management  
South Central Region  
Post Office Box 6770  
Albuquerque, New Mexico 87197

Oil Conservation Division  
State of New Mexico  
Post Office Box 2088  
Santa Fe, New Mexico 87501

Re: San Juan 28-5 Unit, #14-08-001-0949  
Rio Arriba County, New Mexico  
1986 Drilling Program

Gentlemen:

By letters dated March 1, 1985, May 10, 1985, and July 17, 1985, El Paso Natural Gas Company, as Unit Operator, for the referenced unit, filed Drilling Programs for the calendar year 1985 which provided for the drilling of seven (7) Mesaverde wells, eleven (11) Dakota wells, and three (3) Mesaverde/Dakota dual wells.

As of this date, the total number of wells in the San Juan 28-5 Unit is as follows:

Pictured Cliffs, Commercial	1
Pictured Cliffs/Mesaverde Dual, Commercial	3
Mesaverde, Commercial	57
Mesaverde, Non-Commercial	1
Mesaverde, Disconnected	1
Mesaverde, Plugged & Abandoned	1
Mesaverde/Dakota Dual, Commercial	11
Dakota, Commercial	56
Dakota, Non-Commercial	<u>1</u>

132

Pursuant to Section 10 of the San Juan 28-5 Unit Agreement, Meridian Oil, on behalf of El Paso Natural Gas Company, as Unit Operator, hereby submits a Drilling Program providing for the drilling of the following wells during calendar year 1986.

<u>WELL NO</u>	<u>DRILLING BLOCK</u>	<u>FORMATION</u>
# 1A	N/2 Section 29, T28N, R5W	Mesaverde
# 6A	S/2 Section 16, T28N, R5W	Mesaverde
# 9A	S/2 Section 29, T28N, R5W	Mesaverde
# 13A	All Section 9, T28N, R5W Non-Standard Drilling Block	Mesaverde
# 23A	N/2 Section 28, T28N, R5W	Mesaverde
# 26A	N/2 Section 14, T28N, R5W	Mesaverde
# 31A	N/2 Section 13, T28N, R5W	Mesaverde
# 33E	S/2 Section 17, T28N, R5W	Dakota
# 35M	S/2 Section 19, T28N, R5W	Mesaverde/Dakota dual
# 41M	N/2 Section 32, T28N, R5W	Mesaverde/Dakota dual
# 42M	S/2 Section 31, T28N, R5W	Mesaverde/Dakota dual
# 50A	S/2 Section 28, T28N, R5W	Mesaverde
# 58M	S/2 Section 30, T28N, R5W	Mesaverde/Dakota dual
# 68M	N/2 Section 33, T28N, R5W (MV) W/2 Section 33, T28N, R5W (DK)	Mesaverde/Dakota dual
# 70M	N/2 Section 34, T28N, R5W (MV) W/2 Section 34, T28N, R5W (DK)	Mesaverde/Dakota dual
# 71E	Lot 2, N/2 SE/4, NE/4 Section 34, NW/4 NW/4 Section 35, T28N, R5W Non-Standard Drilling Block	Dakota
# 72M	N/2 Section 35, T28N, R5W (MV) Lot 1, Section 34, NE/4 NW/4, S/2 NW/4, N/2 SW/4, Lots 3,4, Section 35, T28N, R5W (DK) Non-Standard Drilling Block	Mesaverde Dakota dual
# 73M	S/2 Section 35, T28N, R5W (MV) Lot 2, N/2 SE/4, NE/4 Section 35, NW/4 NW/4, Section 36, T28N, R5W (DK) Non-Standard Drilling Block	Mesaverde/Dakota dual
# 75E	N/2 Section 17, T28N, R5W	Dakota
# 80M	N/2 Section 26, T28N, R5W	Mesaverde/Dakota dual
# 82E	W/2 Section 22, T28N, R5W	Dakota
# 83M	N/2 Section 16, T28N, R5W (MV) W/2 Section 16, T28N, R5W (DK)	Mesaverde/Dakota dual
# 86M	N/2 Section 23, T28N, R5W (MV) W/2 Section 23, T28N, R5W (DK)	Mesaverde/Dakota dual
# 87E	E/2 Section 22, T28N, R5W	Dakota
*# 90	All Section 12, T28N, R5W Non-Standard Drilling Block	Mesaverde
# 93M	S/2 Section 15, T28N, R5W (MV) E/2 Section 15, T28N, R5W (DK)	Mesaverde/Dakota dual
#101E	W/2 Section 13, T28N, R5W	Dakota

\*Outside Mesaverde Participating Area.

February 25, 1986

All working interest owners have been contacted regarding this Drilling Program. Meridian Oil, on behalf of El Paso Natural Gas Company, as Unit Operator, and the working interest owners believe that all current obligations have been satisfied.

Meridian Oil, on behalf of El Paso Natural Gas Company, as Unit Operator, plans to drill any offset wells required to prevent drainage of unitized substances and any other wells deemed necessary or desirable by the Unit Operator and the working interest owners.

If this Drilling Program is acceptable, please signify your approval as required under Section 10 of the Unit Agreement in the space provided on the attached sheet and return an approved copy to the undersigned at the above address.

Copies of this letter are being sent to the working interest owners shown on the attached sheet.

Very truly yours,




Alan Alexander  
District Land Manager

AA:VLG:LD:tlm  
Enclosure  
San Juan 28-5 Unit, 3.0  
Doc. #0356L

xc: Commissioner of Public Lands (Information Only)  
State of New Mexico  
Post Office Box 1148  
Santa Fe, New Mexico 87501

APPROVED: \_\_\_\_\_  
Bureau of Land Management  
(Subject to like approval by  
the Oil Conservation Division)

DATED: \_\_\_\_\_

APPROVED:  \_\_\_\_\_  
Oil Conservation Division  
(Subject to like approval by the  
Bureau of Land Management)

DATED: 2-28-86

The foregoing approvals are for the 1986 Drilling Program for the  
San Juan 28-5 Unit, #14-08-001-0949, Rio Arriba County, New Mexico.

SAN JUAN 28-5 UNIT WORKING INTEREST OWNERS

Mrs. Dorothy Abercrombie

Jay I. Cohen, Trustee  
J. R. Abercrombie Trust

W. E. Alsup, Jr., Anc. Executor  
Estate of W. E. Alsup

Fina Oil & Chemical Company

Amoco Production Company

Mrs. Lela L. Barkley

Mr. Tom Bolack & Tommy Bolack  
Gen. Partners, Bolack Minerals Co.

Mr. & Mrs. Thomas A. Dugan

Flag-Redfern Oil Company

Mr. T. H. & Nancy Harrington

Col. Langdon Dewey Harrison

Catherine M. Harvey

Mr. Ralph H. McCullough

Mr. James E. McElvain, Executor for  
the Estate of Carl R. McElvain

Mr. T. H. McElvain, Jr.

T. H. McElvain Oil & Gas Properties

Northwest Pipeline Corporation

Brenda Petke

Phillips Petroleum Company

H. O. Pool Trust

Mrs. Joe Quinn

Mr. James M. Raymond, Individually &  
as Attorney-in-Fact for Mabelle  
McElvain Miller, Trustee for Corinne  
Miller Gas Trust & Trustee for  
Maydell Miller Mast Trust

Nancy Ridgley

Mr. M. A. Romero

Max B. Rotholz

Mr. Robert P. Tinnin

Ruth M. Vaughan

Mrs. Evelyn Ellen Wallace &  
Mr. James A. Brown, Trustees under  
the Last Will & Testament of A.W. Brown  
(EJE Company)



TONEY ANAYA  
GOVERNOR

STATE OF NEW MEXICO  
ENERGY AND MINERALS DEPARTMENT  
OIL CONSERVATION DIVISION

July 23, 1985

50 YEARS



1935 - 1985

POST OFFICE BOX 2088  
STATE LAND OFFICE BUILDING  
SANTA FE, NEW MEXICO 87501  
(505) 827-5800

El Paso Exploration Company  
P. O. Box 4289  
Farmington, New Mexico 87499-4289

Attention: Alan Alexander

Re: San Juan 28-5 Unit #14-08-001-949  
Rio Arriba County, New Mexico  
Second Amendment  
1985 Drilling Program

Gentlemen:

Enclosed please find an approved copy of the material referenced above. Such approval is contingent upon like approval by the Commissioner of Public Lands and the Bureau of Land Management.

Sincerely,

ROY E. JOHNSON  
Senior Petroleum Geologist

REJ/dr

cc: Commissioner of Public Lands - Santa Fe  
Bureau of Land Management - Albuquerque  
OCD District Office - Aztec



July 17, 1985

#553

Bureau of Land Management  
South Central Region  
Post Office Box 6770  
Albuquerque, New Mexico 87197

Oil Conservation Division  
State of New Mexico  
Post Office Box 2088  
Santa Fe, New Mexico 87501

Re: San Juan 28-5 Unit #14-08-001-949  
Rio Arriba County, New Mexico  
Second Amendment  
1985 Drilling Program

Gentlemen:

The 1985 Drilling Program for the San Juan 28-5 Unit, was submitted to you by our letter of March 1, 1985 and the First Amendment by letter dated May 10, 1985.

Subsequent to the submittal of said letters of March 1, 1985 and May 10, 1985 eighteen (18) wells have been proposed. These wells are listed below:

<u>WELL NO.</u>	<u>DRILLING BLOCK</u>	<u>FORMATION</u>
San Juan 28-5 Unit # 7 A	S/2 Sec. 8, T28N, R5W	Mesaverde
San Juan 28-5 Unit # 18 A	S/2 (All) Sec. 11, T28N, R5W	Mesaverde
San Juan 28-5 Unit # 19 A	S/2 (All) Sec. 10, T28N, R5W	Mesaverde
San Juan 28-5 Unit # 33 A	S/2 Sec. 17, T28N, R5W	Mesaverde
San Juan 28-5 Unit # 34 E	S/2 Sec. 18, T28N, R5W	Dakota
San Juan 28-5 Unit # 54 E	W/2 Sec. 20, T28N, R5W	Dakota
San Juan 28-5 Unit # 61 E	N/2 Sec. 18, T28N, R5W	Dakota
San Juan 28-5 Unit # 63 E	E/2 Sec. 20, T28N, R5W	Dakota
San Juan 28-5 Unit # 67 M	S/2 Sec. 21, T28N, R5W	Mesaverde/Dakota

<u>WELL NO.</u>	<u>DRILLING BLOCK</u>	<u>FORMATION</u>
San Juan 28-5 Unit # 76 M	N/2 Sec. 21, T28N, R5W	Mesaverde/Dakota
San Juan 28-5 Unit # 79 E	Lots 1-4, S/2 S/2 Sec. 7; SW/4 SW/4 Sec. 8, T28N, R5W Non-Standard Block	Dakota
San Juan 28-5 Unit # 84 E	E/2 Sec. 16, T28N, R5W	Dakota
San Juan 28-5 Unit # 85 E	Lots 1-4, SE/4 SW/4, S/2 SE/4 Sec. 8; Lot 4, SW/4 SW/4 Sec. 9, T28N, R5W Non-Standard Block	Dakota
San Juan 28-5 Unit # 88 M	W/2 Sec. 15, T28N, R5W	Mesaverde/Dakota
San Juan 28-5 Unit # 89 E	Lot 4, S/2 SW/4 Sec. 10; Lots 1-3, SE/4 SW/4, S/2 SE/4 Sec. 9, T28N, R5W Non-Standard Block	Dakota
San Juan 28-5 Unit # 91 E	W/2 Sec. 14, T28N, R5W	Dakota
San Juan 28-5 Unit # 96 E	Lots 1-3, S/2 SE/4, Sec. 10; Lot 4, S/2 SW/4, SW/4 SE/4 Sec. 11, T28N, R5W Non-Standard Block	Dakota
San Juan 28-5 Unit #102 E	Lots 1-3, SE/4 SE/4 Sec. 11; Lots 3,4, S/2 SW/4, SW/4 SE/4 Sec. 12, T28N, R5W Non-Standard Block	Dakota

All working interest owners have been contacted and this Drilling Program reflects their desires. El Paso Natural Gas Company, as Unit Operator, and the working interest owners believe that all current obligations have been satisfied.

El Paso Natural Gas Company, as Unit Operator, plans to drill any offset wells required to prevent drainage of unitized substances and any other wells deemed necessary or desirable by the Unit Operator and the working interest owners.

July 17, 1985

If this Drilling Program is acceptable, please signify your approval as required under Section 10 of the Unit Agreement in the space provided on the attached sheet and return an approved copy to the undersigned.

Copies of this letter are being sent to the working interest owners shown on the attached sheet.

Yours very truly,



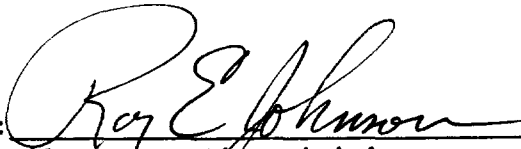
Alan Alexander  
District Land Manager *AA*

AA:VLG:gm  
Attachments  
San Juan 28-5 Unit, 3.0  
Doc. #0117L

xc: Commissioner of Public Lands  
(information only)

APPROVED: \_\_\_\_\_  
Bureau of Land Management  
(Subject to like approval by the  
Oil Conservation Division)

DATED: \_\_\_\_\_

APPROVED:  \_\_\_\_\_  
Oil Conservation Division  
(Subject to like approval by the  
Bureau of Land Management)

DATED: 7-23-85

The foregoing approvals for the Second Amendment to the 1985 Drilling Program for the San Juan 28-5 Unit #14-08-001-949, Rio Arriba County, New Mexico

SAN JUAN 28-5 UNIT WORKING INTEREST OWNERS

Mrs. Dorothy Abercrombie

Jay I. Cohen, Trustee  
J. R. Abercrombie Trust

W. E. Alsup, Jr., Anc. Executor  
Estate of W. E. Alsup

American Petrofina Company of Texas

Amoco Production Company

Mrs. Lela L. Barkley

Mr. Tom Bolack & Tommy Bolack  
Gen. Partners, Bolack Minerals Co.

Mr. & Mrs. Thomas A. Dugan

Flag-Redfern Oil Company

Mr. Thomas H. Harrington

Col. Langdon Dewey Harrison

Catherine M. Harvey

Mr. Ralph H. McCullough

Mr. James E. McElvain, Executor for  
the Estate of Carl R. McElvain

Mr. T. H. McElvain, Jr.

T. H. McElvain Oil & Gas Properties

Northwest Pipeline Corporation

Brenda Petke

Phillips Petroleum Company

H. O. Pool Trust

Mrs. Joe Quinn

Mr. James M. Raymond, Individually &  
as Attorney-in-Fact for Mabelle  
McElvain Miller, Trustee for Corinne  
Miller Gas Trust & Trustee for  
Maydell Miller Mast Trust

Nancy Ridgley

Mr. M. A. Romero

Max B. Rotholz

Mr. Robert P. Tinnin

Ruth M. Vaughan

Mrs. Evelyn Ellen Wallace &  
Mr. James A. Brown, Trustees under  
the Last Will & Testament of A.W. Brown  
(EJE Company)



STATE OF NEW MEXICO  
**ENERGY AND MINERALS DEPARTMENT**  
OIL CONSERVATION DIVISION

TONEY ANAYA  
GOVERNOR

POST OFFICE BOX 2088  
STATE LAND OFFICE BUILDING  
SANTA FE, NEW MEXICO 87501  
(505) 827-5800

May 20, 1985

A handwritten signature, likely of Roy E. Johnson, written in dark ink. The signature is stylized and somewhat illegible due to the cursive style.

El Paso Exploration Company  
P.O. Box 4289  
Farmington, NM 87499-4289

Attention: Alan Alexander

Re: San Juan 28-5 Unit  
#14-08-001-949  
Rio Arriba County, NM  
First Amendment  
1985 Drilling Program

Dear Mr. Alexander:

Enclosed please find an approved copy of the material referenced above. Such approval is contingent upon like approval by the Commissioner of Public Lands and the Bureau of Land Management.

Sincerely,

A handwritten signature of Roy E. Johnson, written in dark ink. The signature is cursive and clearly legible.

ROY E. JOHNSON  
Senior Petroleum Geologist

REJ/dp

cc: Commissioner of Public Lands - Santa Fe  
Bureau of Land Management - Albuquerque  
OCD District Office - Aztec

May 10, 1985

Case # 553

Bureau of Land Management  
South Central Region  
Post Office Box 6770  
Albuquerque, New Mexico 87197

Oil Conservation Division  
State of New Mexico  
Post Office Box 2088  
Santa Fe, New Mexico 87501

Re: San Juan 28-5 Unit #14-08-001-949  
Rio Arriba County, New Mexico  
First Amendment  
1985 Drilling Program

Gentlemen:

The 1985 Drilling Program for the San Juan 28-5 Unit, was submitted to you by our letter of March 1, 1985.

Subsequent to the submitted of said letter of March 1, 1985, three (3) wells have been proposed. These wells are listed below:

<u>WELL NO</u>	<u>DRILLING BLOCK</u>	<u>FORMATION</u>
#28 A	N/2 Section 17, T28N, R5W	Mesaverde
#30 A	N/2 Section 22, T28N, R5W	Mesaverde
#48 A	S/2 Section 22, T28N, R5W	Mesaverde

All working interest owners have been contacted and this Drilling Program reflects their desires. El Paso Natural Gas Company, as Unit Operator, and the working interest owners believe that all current obligations have been satisfied.

SEARCHED  
SERIALIZED  
INDEXED  
MAY 10 1985  
FBI - ALBUQUERQUE

May 10, 1985

El Paso Natural Gas Company, as Unit Operator, plans to drill any offset wells required to prevent drainage of unitized substances and any other wells deemed necessary or desirable by the Unit Operator and the working interest owners.

If this Drilling Program is acceptable, please signify your approval as required under Section 10 of the Unit Agreement in the space provided on the attached sheet and return an approved copy to the undersigned at the above address.

Copies of this letter are being sent to the working interest owners shown on the attached sheet.

Very truly yours,



Alan Alexander  
District Land Manager

AA:VLG:gm  
attachment  
San Juan 28-5 Unit, 3.0  
Document 0117L

xc: Commissioner of Public Lands  
(Information only)



APPROVED: \_\_\_\_\_

Bureau of Land Management  
(Subject to like approval by the  
the Oil Conservation Division)

DATED: \_\_\_\_\_

APPROVED:  \_\_\_\_\_

Oil Conservation Division  
(Subject to like approval by the  
Bureau of Land Management)

DATED: 5-15-85

The foregoing approvals for the First Amendment 1985 Drilling Program  
for the San Juan 28-5 Unit #14-08-001-949, Rio Arriba County, New Mexico

SAN JUAN 28-5 UNIT WORKING INTEREST OWNERS

Mrs. Dorothy Abercrombie

Jay I. Cohen, Trustee  
J. R. Abercrombie Trust

W. E. Alsup, Jr., Anc. Executor  
Estate of W. E. Alsup

American Petrofina Company of Texas

Amoco Production Company

Mrs. Lela L. Barkley

Mr. Tom Bolack & Tommy Bolack  
Gen. Partners, Bolack Minerals Co.

Mr. & Mrs. Thomas A. Dugan

Flag-Redfern Oil Company

Mr. Thomas H. Harrington

Col. Langdon Dewey Harrison

Catherine M. Harvey

Mr. Ralph H. McCullough

Mr. James E. McElvain, Executor for  
the Estate of Carl R. McElvain

Mr. T. H. McElvain, Jr.

T. H. McElvain Oil & Gas Properties

Northwest Pipeline Corporation

Brenda Petke

Phillips Petroleum Company

H. O. Pool Trust

Mrs. Joe Quinn

Mr. James M. Raymond, Individually &  
as Attorney-in-Fact for Mabelle  
McElvain Miller, Trustee for Corinne  
Miller Gas Trust & Trustee for  
Maydell Miller Mast Trust

Nancy Ridgley

Mr. M. A. Romero

Max B. Rotholz

Mr. Robert P. Tinnin

Ruth M. Vaughan

Mrs. Evelyn Ellen Wallace &  
Mr. James A. Brown, Trustees under  
the Last Will & Testament of A.W. Brown  
(EJE Company)



STATE OF NEW MEXICO  
ENERGY AND MINERALS DEPARTMENT  
OIL CONSERVATION DIVISION

TONEY ANAYA  
GOVERNOR

#553

POST OFFICE BOX 2088  
STATE LAND OFFICE BUILDING  
SANTA FE, NEW MEXICO 87501  
(505) 827-5800

March 4, 1985

El Paso Exploration Company  
P.O. Box 4289  
Farmington, NM 87499-4289

Attention: Alan Alexander

Re: San Juan 28-5 Unit  
#14-08-001-949  
Rio Arriba County, NM  
1985 Drilling Program

Dear Mr. Alexander:

Enclosed please find an approved copy of the material referenced above. Such approval is contingent upon like approval by the Commissioner of Public Lands and the Bureau of Land Management.

Sincerely,

ROY E. JOHNSON  
Senior Petroleum Geologist

REJ/dp

cc: Commissioner of Public Lands - Santa Fe  
Bureau of Land Management - Albuquerque  
OCD District Office - Aztec

March 1, 1985

Bureau of Land Management  
South Central Region  
Post Office Box 6770  
Albuquerque, New Mexico 87197

Oil Conservation Division  
State of New Mexico  
Post Office Box 2088  
Santa Fe, New Mexico 87501

Re: San Juan 28-5 Unit #14-08-001-949  
Rio Arriba County, New Mexico  
1985 Drilling Program

Gentlemen:

By letter dated March 14, 1984, El Paso Natural Gas Company, as Unit Operator, for the San Juan 28-5 Unit, filed a Drilling Program concerning the captioned Unit for calendar year 1984. This program provided for the drilling of no wells.

As of this date, the total number of active wells in the San Juan 28-5 Unit is as follows:

Pictured Cliffs	1
Dual, Pictured Cliffs/Mesaverde	3
Mesaverde	52
Dual, Mesaverde/Dakota	8
Mesaverde, Non-Commercial	1
Dakota	45
Dakota, Non-Commercial	<u>1</u>
	111

Pursuant to Section 10 of the San Juan 28-5 Unit Agreement, El Paso Natural Gas Company, as Unit Operator, is submitting this Drilling Program providing for the drilling of no wells during the calendar year of 1985.

All working interest owners have been contacted and this Drilling Program reflects their desires. El Paso Natural Gas Company, as Unit Operator, and the working interest owners believe that all current obligations have been satisfied.

Regulatory Agencies

-2-

March 1, 1985

El Paso Natural Gas Company, as Unit Operator, plans to drill any offset wells required to prevent drainage of unitized substances and any other wells deemed necessary or desirable by the Unit Operator and the working interest owners.

If this Drilling Program is acceptable, please signify your approval as required under Section 10 of the Unit Agreement in the space provided on the attached sheet and return an approved copy to the undersigned at the above address.

Copies of this letter are being sent to the working interest owners shown on the attached sheet.

Very truly yours,



Alan Alexander

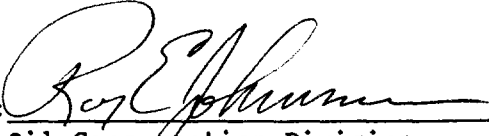
District Land Manager *WJA*

AA:VLG:gm  
attachment  
San Juan 28-5 Unit, 3.0

xc: Commissioner of Public Lands  
(Information only)

APPROVED: \_\_\_\_\_  
Bureau of Land Management  
(Subject to like approval by the  
the Oil Conservation Division)

DATED: \_\_\_\_\_

APPROVED:  \_\_\_\_\_  
Oil Conservation Division  
(Subject to like approval by the  
Bureau of Land Management)

DATED: 3-4-85

The foregoing approvals for the 1985 Drilling Program for the  
San Juan 28-5 Unit #14-08-001-949, Rio Arriba County, New Mexico.

SAN JUAN 28-5 UNIT WORKING INTEREST OWNERS

Mrs. Dorothy Abercrombie

Jay I. Cohen, Trustee  
J.R. Abercrombie Trust

W.E. Alsup, Jr., Anc. Executor  
Estate of W.E. Alsup

American Petrofina Company of Texas

Amoco Production Company

Mrs. Lela L. Barkley

Mr. Tom Bolack & Tommy Bolack  
Gen. Partners, Bolack Minerals Co.

Mr. & Mrs. Thomas Dugan

Flag-Redfern Oil Company

Mr. Thomas H. Harrington

Col. Langdon Dewey Harrisonb

Mr. Ralph H. McCullough

Mr. James E. McElvain, Executor  
for the Estate of Carl R. McElvain

Mr. T. H. McElvain, Jr.

T.H. McElvain Oil & Gas Properties

Northwest Pipeline Corporation

Brenda Petke

Phillips Petroleum Company

Mrs. Joe Quinn

Mr. James M. Raymond, Individually  
as Attorney-in-Fact for Mabelle  
McElvain Miller, Trustee for  
Corinne Miller Gas Trust for

Nancy Ridgley

Mr. M.A. Romero

Max B. Rotholz

Mr. Robert P. Tinnin

Ruth M. Vaughan

Mrs. Evelyn Ellen Wallace &  
Mr. James A. Brown, Trustees under  
the Last Will & Testament of A.W.  
Brown (EJE Company)

#553

San Juan 28-5

El Paso Natural Gas Company  
Attention: Mr. D.N. Canfield  
P.O. Box 1492  
El Paso, Texas 79978

APR 13 1984

Gentlemen:

Two approved copies of your 1984 plan of development for the San Juan 28-5 unit area, Rio Arriba County, New Mexico are enclosed. Such plan, proposing to drill no wells during 1984 except those required to prevent drainage of unitized substances was approved on this date subject to like approval by the appropriate officials of the State of New Mexico.

Sincerely yours,  
(ORIG. SGD.) JAMES W. SHELTON

For District Manager

Enclosure

cc:  
NMOCD, Santa Fe ✓  
Fluids Section (FRAH)  
Micrographics (w/encl)  
File: San Juan 28-5 (POD File)  
O&G Chrono

015:MKeefers:mn:04/11/84:0567P



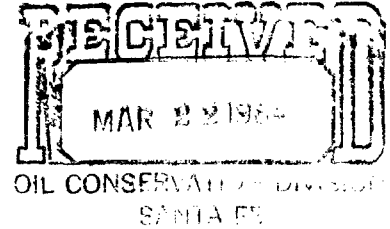
#553

**El Paso**  
Natural Gas Company

P. O. BOX 1492  
EL PASO, TEXAS 79978  
PHONE: 915-541-2600

March 14, 1984

Bureau of Land Management  
South Central Region  
505 Marquette Avenue, N.W., Suite 815  
Albuquerque, New Mexico 87102



Oil Conservation Division  
State of New Mexico  
Post Office Box 2088  
Santa Fe, New Mexico 87501

Re: San Juan 28-5 Unit #14-08-001-949  
Rio Arriba County, New Mexico  
1984 Drilling Program

Gentlemen:

By letter dated June 10, 1983, El Paso Natural Gas Company, as Unit Operator, for the San Juan 28-5 Unit, filed a Drilling Program concerning the captioned Unit for the calendar year 1983. This Program provided for the drilling of no wells.

As of this date, the total number of active wells in the San Juan 28-5 Unit is as follows:

Pictured Cliffs	1
Dual, PC/MV	3
Mesaverde	52
Dual, Mesaverde, Dakota	8
Mesaverde, Non-Commercial	1
Dakota	45
Dakota, Non-Commercial	1
	<u>111</u>

Pursuant to Section 10 of the San Juan 28-5 Unit Agreement, El Paso Natural Gas Company, as Unit Operator, is submitting this Drilling Program providing for the drilling of no wells during the calendar year of 1984.

All working interest owners have been contacted, and this Drilling Program reflects their desires. El Paso Natural Gas Company, as Unit Operator, and the working interest owners believe that all current obligations have been satisfied.

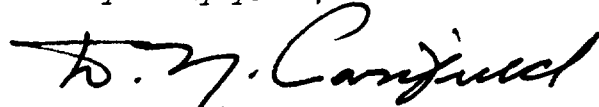
Regulatory Agencies  
March 14, 1984  
Page Two

El Paso Natural Gas Company, as Unit Operator, plans to drill any offset wells required to prevent drainage of unitized substances and any other wells deemed necessary or desirable by the Unit Operator and the working interest owners.

If this Drilling Program is acceptable, please signify your approval as required under Section 10 of the Unit Agreement in the space provided on the attached sheet and return an approved copy to El Paso Natural Gas Company.

Copies of this letter are being sent to the working interest owners shown on the attached sheet.

Very truly yours,



D. N. Canfield

Attorney-in-Fact *WJ*  
*DM*

DNC/VLG/cc  
Attachment  
San Juan 28-5, 3.0

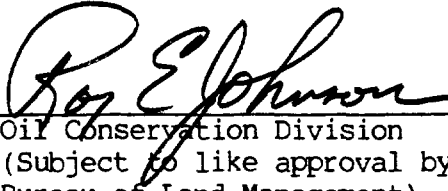
cc: Commissioner of Public Lands  
(Information only)

APPROVED:

\_\_\_\_\_  
Bureau of Land Management  
(Subject to like approval by the  
Oil Conservation Division)

DATED: \_\_\_\_\_

APPROVED:

  
\_\_\_\_\_  
Oil Conservation Division  
(Subject to like approval by the  
Bureau of Land Management)

DATED: 5-26-84

The foregoing approvals for the 1984 Drilling Program for the San Juan 28-5  
Unit #14-08-001-949, Rio Arriba County, New Mexico

SAN JUAN 28-5 UNIT  
WORKING INTEREST OWNERS

Mrs. Dorothy Abercrombie

Mr. J. R. Abercrombie

William E. Alsup, Jr., Ancillary Executor  
Estate of William E. Alsup, Deceased

American Petrofina Company of Texas

Amoco Production Company (4)

Mrs. Lela L. Barkley

Mr. Tom Bolack and Tommy  
Bolack, General Partners  
Bolack Minerals Company

Mrs. Evelyn G. Brown

Mr. James A. Brown

Mr. and Mrs. Thomas A. Dugan

Flag-Redfern Oil Company

Mr. Thomas H. Harrington

Col. Langdon Dewey Harrison

Catherine M. Harvey

Mr. Ralph H. McCullough

Mr. James E. McElvain, Executor for the  
Estate of Carl R. McElvain, Deceased

Mr. T. H. McElvain, Jr.

T. H. McElvain Oil and Gas Prop.

Northwest Pipeline Corporation  
Denver, Colorado

Northwest Pipeline Corporation  
Farmington, New Mexico

Brenda Petke

Phillips Oil Company

Phillips Petroleum Company

H. O. Pool Trust

Mr. Joe Quinn

Mr. James M. Raymond, Individually and  
as Attorney-in-Fact for Mabelle McElvain  
Miller, Trustee for Corinne Miller Gay  
Trust and Trustee for Maydell Miller  
Mast Trust

Nancy Ridgley

Mr. M. A. Romero

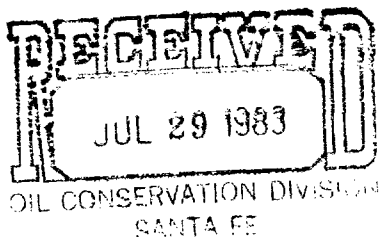
Max B. Rotholz

Mr. Robert P. Tinnin

Ruth M. Vaughan

Mrs. Evelyn Ellen Wallace &  
Mr. James A. Brown, Trustees under the  
Last Will and Testament of A. W. Brown

**El Paso**  
Exploration Company



P. O. BOX 1492  
EL PASO, TEXAS 79978  
PHONE 915-541-2600

July 25, 1983

#553

Bureau of Land Management  
South Central Region  
505 Marquette Avenue, N.W., Suite 815  
Albuquerque, New Mexico 87102

Oil Conservation Division  
State of New Mexico  
Post Office Box 2088  
Santa Fe, New Mexico 87501

Re: San Juan 28-5 Unit #14-08-001-949  
Rio Arriba County, New Mexico  
1983 Drilling Program

Gentlemen:

The 1983 Drilling Program for the San Juan 28-5 Unit was approved by the regulatory bodies on the dates indicated:

Bureau of Land Management	7-7-83
Oil Conservation Commission	7-8-83

Copies of this letter are being sent to the working interest owners of the above unit.

Very truly yours,

A handwritten signature in cursive script that reads "Van L. Goebel".

Van L. Goebel  
Landman  
Land Department

VLG:cc  
San Juan 28-5 Unit, 3.0

SAN JUAN 28-5 UNIT  
WORKING INTEREST OWNERS

Mrs. Dorothy Abercrombie

Phillips Oil Company

Mr. J. R. Abercrombie

Phillips Petroleum Company

William E. Alsup, Jr., Ancillary Executor  
Estate of William E. Alsup, Deceased

H. O. Pool Trust

American Petrofina Company of Texas

Mr. Joe Quinn

Amoco Production Company (4)

Mr. James M. Raymond, Individually and  
as Attorney-in-Fact for Mabelle McElvain  
Miller, Trustee for Corinne Miller Gay  
Trust and Trustee for Maydell Miller  
Mast Trust

Mrs. Lela L. Barkley

Nancy Ridgley

Mr. Tom Bolack and Tommy  
Bolack, General Partners  
Bolack Minerals Company

Mr. M. A. Romero

Mrs. Evelyn G. Brown

Max B. Rotholz

Mr. James A. Brown

Mr. Robert P. Tinnin

Mr. and Mrs. Thomas A. Dugan

Ruth M. Vaughan

Flag-Redfern Oil Company

Mrs. Evelyn Ellen Wallace &  
Mr. James A. Brown, Trustees under the  
Last Will and Testament of A. W. Brown

Mr. Thomas H. Harrington

Col. Langdon Dewey Harrison

Catherine M. Harvey

Mr. Ralph H. McCullough

Mr. James E. McElvain, Executor for the  
Estate of Carl R. McElvain, Deceased

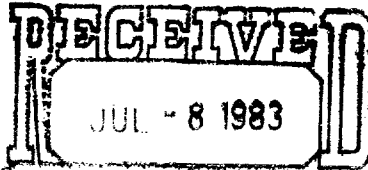
Mr. T. H. McElvain, Jr.

T. H. McElvain Oil and Gas Prop.

Northwest Pipeline Corporation  
Denver, Colorado

Northwest Pipeline Corporation  
Farmington, New Mexico

Brenda Petke



JUL 07 1983

El Paso Natural Gas  
Attention: D. N. Canfield  
P. O. Box 1492  
El Paso, Texas 79978

OIL CONSERVATION DIVISION  
SANTA FE

Gentlemen:

Three ~~approved~~ copies of your 1983 Plan of Development for the ~~San Juan 28-5 unit area~~, Rio Arriba County, New Mexico are enclosed. Such plan, proposing the drilling of no wells during calendar year 1983, was approved on this date subject to like approval by the appropriate officials of the State of New Mexico.

Sincerely yours,

(ORIG. SGD.) JAMES W. SHELTON

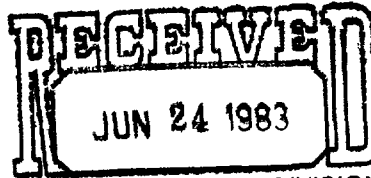
Assistant District Manager  
for Minerals

Enclosure

cc:  
NMOCD ✓  
Commissioner Public Lands  
Farmington Resource Area (w/enclosure)  
Unit File San Juan 28-5  
O & G Chrono

SEUmshler:pmr:7-6-83

**El Paso**  
Natural Gas Company



P. O. BOX 1492  
EL PASO, TEXAS 79978  
PHONE: 915-541-2600

OIL CONSERVATION DIVISION  
SANTA FE

June 10, 1983

Bureau of Land Management  
South Central Region  
505 Marquette Avenue, N.W., Suite 815  
Albuquerque, New Mexico 87102

#553

Oil Conservation Division  
State of New Mexico  
Post Office Box 2088  
Santa Fe, New Mexico 87501

Re: San Juan 28-5 #14-08-001-949  
Rio Arriba County, New Mexico  
1983 Drilling Program

Gentlemen:

By letter dated April 8, 1982, El Paso Natural Gas Company, as Unit Operator of the San Juan 28-5 Unit, filed a Drilling Program covering the subject Unit for the calendar year 1982, providing for the drilling of no wells.

As of this date the total number of wells in the San Juan 28-5 Unit is as follows:

Pictured Cliffs	1
Dual, PC/MV	3
Mesaverde	52
Dual, Mesaverde, Dakota	8
Mesaverde, Non-Commercial	1
Dakota	45
Dakota, Non-Commercial	1
	<u>111</u>

Pursuant to Section 10 of the San Juan 28-5 Unit Agreement, El Paso Natural Gas Company, as Unit Operator, is submitting this Drilling Program providing for the drilling of no wells during the calendar year 1983.

All working interest owners have been contacted, and this Drilling Program reflects their desires. El Paso Natural Gas Company, as Unit Operator, and the working interest owners believe that all current obligations have been satisfied.




Regulatory Agencies  
Page Two

El Paso Natural Gas Company, as Unit Operator, plans to drill any offset wells required to prevent drainage of unitized substances and any other wells deemed necessary or desirable by the Unit Operator and the working interest owners.

If this Drilling Program is acceptable, please signify your approval as required under Section 10 of the Unit Agreement in the space provided on the attached sheet and return an approved copy to El Paso Natural Gas Company.

Copies of this letter are being sent to the working interest owners shown on the attached sheet.

Very truly yours,

  
D. N. Canfield  
Attorney-in-Fact <sup>vst</sup>

DNC:VLG:cc  
Enclosures  
SJ 28-5 Unit, 3.0

APPROVED: Minerals Management Service  
(Subject to like approval by the  
Commissioner of Public Lands and  
the Oil Conservation Division)

DATED: \_\_\_\_\_

APPROVED: Roy E. Johnson  
Oil Conservation Division  
(Subject to like approval by the  
Minerals Management Service and  
the Commissioner of Public Lands)

DATED: 7-8-83

The foregoing approvals are for the 1983 Drilling Program for the San Juan 28-5 Unit, #14-08-001-949, Rio Arriba County, New Mexico.

SAN JUAN 28-5 UNIT  
WORKING INTEREST OWNERS

Mrs. Dorothy Abercrombie

Mr. J. R. Abercrombie

William E. Alsup, Jr., Ancillary Executor  
Estate of William E. Alsup, Deceased

American Petrofina Company of Texas

Arco Production Company (4)

Mrs. Lela L. Barkley

Mr. Tom Bolack and Tommy  
Bolack, General Partners  
Bolack Minerals Company

Mrs. Evelyn G. Brown

Mr. James A. Brown

Mr. and Mrs. Thomas A. Dugan

Flag-Redfern Oil Company

General American Oil Co. of Texas

Mr. Thomas H. Harrington

Col. Langdon Dewey Harrison

Catherine M. Harvey

Mr. Ralph H. McCullough

Mr. James E. McElvain, Executor for the  
Estate of Carl R. McElvain, Deceased

Mr. T. H. McElvain, Jr.

T. H. McElvain Oil and Gas Prop.

Northwest Pipeline Corporation  
Denver, Colorado

Northwest Pipeline Corporation  
Farmington, New Mexico

Brenda Petke

Phillips Petroleum Company

H. O. Pool Trust

Mr. Joe Quinn

Mr. James M. Raymond, Individually and  
as Attorney-in-Fact for Mabelle McElvain  
Miller, Trustee for Corinne Miller Gay  
Trust and Trustee for Maydell Miller  
Mast Trust

Nancy Ridgley

Mr. M. A. Romero

Max B. Rotholz

Mr. Robert P. Tinnin

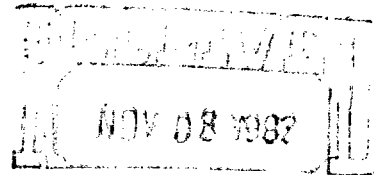
Ruth M. Vaughan

Mrs. Evelyn Ellen Wallace &  
Mr. James A. Brown, Trustees under the  
Last Will and Testament of A. W. Brown

Case # 553

October 19, 1982

Minerals Management Service  
South Central Region  
505 Marquette Avenue, N.W., Suite 815  
Albuquerque, New Mexico 87102



Oil Conservation Division  
State of New Mexico  
Post Office Box 2088  
Santa Fe, New Mexico 87501

Re: San Juan 28-5 Unit #14-08-001-949  
Rio Arriba County, New Mexico  
APPLICATION FOR APPROVAL OF THE  
FIRST PARTICIPATING AREA,  
Pictured Cliffs Formation  
Effective May 1, 1981

Gentlemen:

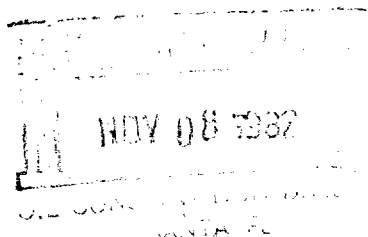
Pursuant to the Provisions of Section 11 (b) of the San Juan 28-5 Unit Agreement, #14-08-001-949, approved August 25, 1953, El Paso Natural Gas Company, as Unit Operator, hereby respectfully requests approval of the First Participating Area for the Pictured Cliffs Formation, to wit:

FIRST PARTICIPATING AREA - Effective May 1, 1981

<u>Description of Lands</u>	<u>Acres</u>
<u>Township 28 North, Range 5 West, N.M.P.M.</u> Section 31: N/2	<u>320.00</u>
Total	320.00

The proposed First Participating Area for the Pictured Cliffs Formation is predicated upon the determination by El Paso Natural Gas Company, as Unit Operator, that the San Juan 28-5 Unit #51A Well is capable of producing unitized substances in paying quantities from the Pictured Cliffs Formation. This well is as follows:

Minerals Management Service  
Oil Conservation Division  
October 19, 1982  
Page Two



The San Juan 28-5 Unit #51A Well, located 945' from the North line and 1820' from the West line of Section 31, Township 28 North, Range 5 West, N.M.P.M., was spudded on October 24, 1980, and completed on April 16, 1981, at a plugged back depth of 5943. The Pictured Cliffs Formation at the selected intervals between 3340' and 3402' was treated with a sand-water fracturing process on January 4, 1980. The well was shut-in on April 2, 1981, and after being shut-in for fourteen (14) days, the Pictured Cliffs Formation was tested on April 16, 1981, using the Pitot tube method with an after frac guage of 857 MCF/D, with an SIPC of 1050 psia and an SIPT of 1052 psia. The spacing unit for this well is described as the N/2 of Section 31, Township 28 North, Range 5 West, N.M.P.M., containing 320.00 acres.

Attached hereto is Schedule II that shows the proposed First Participating Area for the Pictured Cliffs Formation in the San Juan 28-5 Unit Area. This schedule describes the Pictured Cliffs Participating Area, shows the percentage of unitized substances allocated to each unitized tract, and the percentage of ownership in each tract. Inasmuch as this needs no official approval, no provision is made therefore, and in the absence of disapproval, this Participating Area will become effective as of May 1, 1981, date of first production.

Copies of this letter are being sent to the working interest owners shown on the attached sheet.

Very truly yours,

James R. Permenter  
Director, Land Administration  
Land Department *JRP*

JRP:VLG:cc  
Enclosures  
S.J. 28-5 Unit, 4.1.1

cc: Mr. Antonio Martinez  
Executive Director  
New Mexico Oil & Accounting Commission  
Post Office Box 2308  
Santa Fe, New Mexico 87501

Commissioner of Public Lands (Information Only)  
State of New Mexico  
Post Office Box 1148  
Santa Fe, New Mexico 87501

APPROVED: \_\_\_\_\_  
Minerals Management Service  
(Subject to like approval by the  
Commissioner of Public Lands and  
the Oil Conservation Division)

DATED: \_\_\_\_\_

APPROVED: \_\_\_\_\_  
Oil Conservation Division  
(Subject to like approval by the  
Minerals Management Service and  
the Commissioner of Public Lands)

DATED: \_\_\_\_\_

The foregoing approvals are for the First Participating Area for the Pictured Cliffs Formation, San Juan 28-5 Unit #14-08-001-949, Rio Arriba County, New Mexico.

SAN JUAN 28-5 UNIT  
WORKING INTEREST OWNERS

Mrs. Dorothy Abercrombie

Mr. J. R. Abercrombie

William E. Alsup, Jr., Ancillary Executor  
Estate of William E. Alsup, Deceased

American Petrofina Company of Texas

Amoco Production Company  
Attention: Land Department  
Denver, Colorado

Amoco Production Company  
Attention: Production Department  
Denver, Colorado

Amoco Production Company  
Farmington, New Mexico

Mrs. Lela L. Barkley

Mr. Tom Bolack and Tommy  
Bolack, General Partners  
Bolack Minerals Company

Mrs. Evelyn G. Brown

Mr. James A. Brown

Mr. and Mrs. Thomas A. Dugan

Flag-Redfern Oil Company

General American Oil Co. of Texas

Mr. Thomas H. Harrington

Col. Langdon Dewey Harrison

Catherine M. Harvey

Mr. Ralph H. McCullough

Mr. James E. McElvain, Executor for the  
Estate of Carl R. McElvain, Deceased

Mr. T. H. McElvain, Jr.

T. H. McElvain Oil and Gas Prop.

James M. Raymond, Ind. and  
as Attorney-in-Fact for  
Mabelle McElvain Miller

James M. Raymond, Trustee  
for Corinne Miller Gay Trust

James M. Raymond, Trustee for  
Maydell Miller Mast Trust

Northwest Pipeline Corporation  
Denver, Colorado

Northwest Pipeline Corporation  
Farmington, New Mexico

Phillips Petroleum Company

H. O. Pool Trust

Mr. Joe Quinn

Mr. James M. Raymond, Ind.  
and as Trustee

Mr. M. A. Romero

Max B. Rotholz

Mr. Robert P. Tinnin

Ruth M. Vaughan

Mrs. Evelyn Ellen Wallace &  
Mr. James A. Brown, Trustees under the  
Last Will and Testament of A. W. Brown

Nancy Ridgley

Brenda Petke

SCHEDULE II  
 FIRST EXPANDED PARTICIPATING AREA FOR THE PICTURED CLIFFS FORMATION  
 SAN JUAN 28-5 UNIT AREA

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PERCENTAGE COMMITTED	PRESENT ACTUAL PARTICIPATION
			OWNERSHIP	PERCENTAGE		
<u>TRACT 8</u>						
SF 079521-A	T-28-N, R-5-W Sec. 31: All	639.28	Royalty Working Interest El Paso Natural Gas Co. Catherine B. McElvain, Individually and as Executrix, et al			
				12.50%	12.50%	100.00%
				65.625%	65.625%	
			TOTAL	<u>21.875%</u>	<u>21.875%</u>	<u>100.00%</u>
				<u>100.00%</u>	<u>100.00%</u>	<u>100.00%</u>

Effective May 1, 1981



SCHEDULE II  
 FIRST EXPANDED PARTICIPATING AREA FOR THE PICTURED CLIFFS FORMATION  
 SAN JUAN 28-5 UNIT AREA

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PERCENTAGE COMMITTED	PRESENT ACTUAL PARTICIPATION
			OWNERSHIP	PERCENTAGE		

RECAPITULATION

Description of Lands in Participating Area:

Township 28 North, Range 5 West, N.M.P.M.  
Section 31: All

Total Number of Acres in Participating Area:	639.28
Total Number of Acres Committed to Participating Area:	639.28
Percent of Basic Royalty Committed:	100.00%
Percent of Working Interest Committed:	100.00%
Percent of ORRI Committed:	100.00%



# United States Department of the Interior

MINERALS MANAGEMENT SERVICE  
South Central Region  
505 Marquette Avenue, N.W., Suite 815  
Albuquerque, New Mexico 87102

MAY 13 1982

553

El Paso Exploration Company  
Attention: D. N. Canfield  
P. O. Box 1492  
El Paso, Texas 79978

Gentlemen:

Three approved copies of your 1982 plan of development for the San Juan 28-5 unit area, Rio Arriba County, New Mexico, are enclosed. Such plan, proposing to drill no new wells during 1982, was approved on this date subject to like approval by the appropriate officials of the State of New Mexico.

The possibility might exist of drainage by wells outside of the unit boundary. You will be contacted by our Development Unit about this possibility.

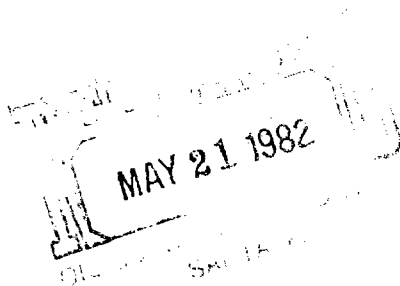
Sincerely yours,

(ORIG. SGD.) JOE G. LAZA

FOR Gene F. Daniel  
Deputy Minerals Manager  
Oil and Gas

Enclosures

cc:  
NMOCB, Santa Fe



April 8, 1982

Area Oil and Gas Supervisor  
United States Geological Survey  
Post Office Box 26124  
Albuquerque, New Mexico 87125

550

Oil Conservation Division  
State of New Mexico  
Post Office Box 2088  
Santa Fe, New Mexico 87501

Re: San Juan 28-5 Unit #14-08-001-949  
Rio Arriba County, New Mexico  
1982 Drilling Program

Gentlemen:

By letter dated November 7, 1980, El Paso Natural Gas Company, as Unit Operator of the San Juan 28-5 Unit, filed a Drilling Program covering the subject Unit for the calendar year 1981, providing for the drilling of four (4) Mesaverde/Dakota wells and one (1) Pictured Cliffs well.

As of this date, the total number of wells in the San Juan 28-5 Unit is as follows:

Pictured Cliffs	1
Dual, PC/MV	3
Mesaverde	52
Dual, Mesaverde, Dakota	8
Mesaverde, Non-Commercial	1
Dakota	45
Dakota, Non-Commercial	1
	<u>111</u>

Pursuant to Section 10 of the San Juan 28-5 Unit Agreement, El Paso Natural Gas Company, as Unit Operator, is submitting this Drilling Program providing for the drilling of no wells during the calendar year 1982.

All working interest owners have been contacted, and this Drilling Program reflects their desires. El Paso Natural Gas Company, as Unit Operator, and the working interest owners believe that all current obligations have been satisfied.

Regulatory Agencies  
Page 2

El Paso Natural Gas Company, as Unit Operator, plans to drill any offset wells required to prevent drainage of unitized substances and any other wells deemed necessary or desirable by the Unit Operator and the working interest owners.

If this Drilling Program is acceptable, please signify your approval as required under Section 10 of the Unit Agreement in the space provided on the attached sheet and return an approved copy to El Paso Natural Gas Company.


Copies of this letter are being sent to the working interest owners as shown on the attached sheet.

Very truly yours,

EL PASO NATURAL GAS COMPANY



D. N. Canfield

Attorney-in-Fact 

DNC:VLG:jec  
Attachments  
S.J. 28-5 Unit, 3.0

APPROVED: \_\_\_\_\_  
Area Oil and Gas Supervisor  
United States Geological Survey  
(Subject to like approval by the  
Commissioner of Public Lands and  
the Oil Conservation Division)

DATED: \_\_\_\_\_

APPROVED: *W. Perry Dean*  
Oil Conservation Division  
(Subject to like approval by the  
United States Geological Survey  
& the Commissioner of Public Lands)

DATED: *6/03/82*

The foregoing approvals are for the 1982 Drilling Program for the San Juan 28-5 Unit, #14-08-001-949, Rio Arriba County, New Mexico.

SAN JUAN 28-5 UNIT  
WORKING INTEREST OWNERS

Mrs. Dorothy Abercrombie

Mr. J. R. Abercrombie

William E. Alsup, Jr., Ancillary Executor  
Estate of William E. Alsup, Deceased

American Petrofina Company of Texas

Amoco Production Company  
Attention: Land Department  
Denver, Colorado

Amoco Production Company  
Attention: Production Department  
Denver, Colorado

Amoco Production Company  
Farmington, New Mexico

Mrs. Lela L. Barkley

Mr. Tom Bolack and Tommy  
Bolack, General Partners  
Bolack Minerals Company

Mrs. Evelyn G. Brown

Mr. James A. Brown

Mr. and Mrs. Thomas A. Dugan

Flag-Redfern Oil Company

General American Oil Co. of Texas

Mr. Thomas H. Harrington

Col. Langdon Dewey Harrison

Catherine M. Harvey

Mr. Ralph H. McCullough

Mr. James E. McElvain, Executor for the  
Estate of Carl R. McElvain, Deceased

Mr. T. H. McElvain, Jr.

T. H. McElvain Oil and Gas Prop.

James M. Raymond, Ind. and  
as Attorney-in-Fact for  
Mabelle McElvain Miller

James M. Raymond, Trustee  
for Corinne Miller Gay Trust

James M. Raymond, Trustee for  
Maydell Miller Mast Trust

Northwest Pipeline Corporation  
Denver, Colorado

Northwest Pipeline Corporation  
Farmington, New Mexico

Phillips Petroleum Company

H. O. Pool Trust

Mr. Joe Quinn

Mr. James M. Raymond, Ind.  
and as Trustee

Mr. M. A. Romero

Max B. Rotholz

Mr. Robert P. Tinnin

Ruth M. Vaughan

Mrs. Evelyn Ellen Wallace &  
Mr. James A. Brown, Trustees under the  
Last Will and Testament of A. W. Brown

Nancy Ridgley

Brenda Petke



STATE OF NEW MEXICO  
ENERGY AND MINERALS DEPARTMENT  
OIL CONSERVATION DIVISION

BRUCE KING  
GOVERNOR  
LARRY KEHOE  
SECRETARY

July 1, 1981

POST OFFICE BOX 2088  
STATE LAND OFFICE BUILDING  
SANTA FE, NEW MEXICO 87501  
(505) 827-2434

El Paso Natural Gas Company  
P. O. Box 1492  
El Paso, Texas 79978

Attention: James R. Permenter

Re: Case No. 553  
San Juan 28-5 Unit  
Twentieth Expanded  
Participating Area,  
Dakota Formation

Gentlemen:

We hereby approve the Twentieth Expanded Participating Area for the Dakota Formation for the San Juan 28-5 Unit, Rio Arriba County, New Mexico, subject to like approval by the United States Geological Survey and the Commissioner of Public Lands.

One approved copy of the Expanded Participating Area is returned herewith.

Yours very truly,

JOE D. RAMEY  
Director

JDR/EP/fd  
enc.

cc: U.S.G.S. - Albuquerque  
Commissioner of Public Lands

June 10, 1981

553

Area Oil and Gas Supervisor  
United States Geological Survey  
Post Office Box 26124  
Albuquerque, New Mexico 87125

Oil Conservation Division  
State of New Mexico  
Post Office Box 2088  
Santa Fe, New Mexico 87501

Re: San Juan 28-5 Unit #14-08-001-949  
Rio Arriba County, New Mexico  
Approval of Twentieth Expanded  
Participating Area, Dakota Formation,  
Effective November 1, 1979

Gentlemen:

The Twentieth Dakota Expansion for the referenced unit was approved on the following dates:

USGS  
5/27/81

ODC  
4/13/81

Copies of this letter are being sent to the working interest owners on the attached sheet.

Very truly yours,

*Tom F Hawkins*

Tom F. Hawkins  
Landman  
Land Department

TFH/en  
SJ 28-5 Unit, 4.3



SAN JUAN 28-5 UNIT  
WORKING INTEREST OWNERS

Mrs. Dorothy Abercrombie

Mr. J. R. Abercrombie

William E. Alsup, Jr., Ancillary Executor  
Estate of William E. Alsup, Deceased

American Petrofina Company of Texas

Amoco Production Company (3)  
Denver, Colorado

Amoco Production Company  
Farmington, New Mexico

Mrs. Lela L. Barkley

Mr. Tom Bolack

Mr. Tommy Bolack & Terry Bolack  
Co-Personal Representatives  
of the Est. of Alice S. Bolack

Mrs. Evelyn G. Brown

Mr. James A. Brown

Mr. and Mrs. Thomas A. Dugan

Flag-Redfern Oil Company

General American Oil Co. of Texas

Mr. Thomas H. Harrington

Col. Langdon Dewey Harrison

Catherine M. Harvey

Mr. Ralph H. McCullough

Mrs. Catherine B. McElvain

Mr. James E. McElvain, Executor for the  
Estate of Carl R. McElvain, Deceased

Mr. T. H. McElvain, Jr.

T. H. McElvain Oil and Gas Prop.

Mabelle McElvain Miller

Northwest Pipeline Corporation  
Denver, Colorado

Northwest Pipeline Corporation  
Farmington, New Mexico

Phillips Petroleum Company

H. O. Pool Trust

Mr. Joe Quinn

Mr. James M. Raymond, Ind. and as Trustee

Mr. M. A. Romero

Max B. Rotholz

Mr. Robert P. Tinnin

Ruth M. Vaughan

Mrs. Evelyn Ellen Wallace &  
Mr. James A. Brown, Trustees under the  
Last Will and Testament of A. W. Brown

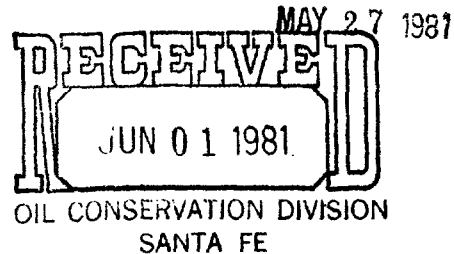
Nancy Ridgley

Brenda Petke

South Central Region  
P. O. Box 26124  
Albuquerque, New Mexico 87125

553

El Paso Natural Gas Company  
Attention: James R. Parmenter  
P. O. Box 1492  
El Paso, Texas 79978



Gentlemen:

Your application of March 20, 1981, requesting approval of the Twentieth Revision of the Dakota Participating Area for the San Juan 28-5 Unit Agreement, Rio Arriba County, New Mexico, No. 14-00-001-949, was approved on this date and is effective as of November 1, 1979.

The Twentieth Revision adds 631.80 acres described as NW $\frac{1}{4}$ SW $\frac{1}{4}$ , SW $\frac{1}{4}$  section 10, S $\frac{1}{2}$  section 11, SW $\frac{1}{4}$ SE $\frac{1}{4}$ , SW $\frac{1}{4}$  section 12, T. 28 N., R. 5 W., N.M.P.M., which enlarges the Dakota Participating Area to 10,937.38 acres and is based on the completion of Unit Well No. 102. Well No. 102 was completed in the interval of 8750 to 8860 feet with an initial flow of 785 Mcf/D.

Copies of the approved application are being distributed to the appropriate Federal offices and three approved copies are returned herewith. You are requested to furnish the State of New Mexico and all other interested parties with appropriate evidence of this approval.

Sincerely yours,

(ORIG. SGD) JAMES W. SHELTON

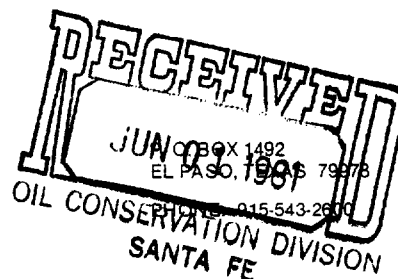
FOR Gene F. Daniel  
Deputy Conservation Manager  
Oil and Gas

Enclosures

cc:  
BLM  
NMOCD

D. S. Farmington (w/cy)

**El Paso** NATURAL GAS  
COMPANY



May 18, 1981

533

Area Oil and Gas Supervisor  
United States Geological Survey  
Post Office Box 26124  
Albuquerque, New Mexico 87125

Oil Conservation Division  
State of New Mexico  
Post Office Box 2088  
Santa Fe, New Mexico 87501

Re: San Juan 28-5 Unit #14-08-001-949  
Rio Arriba County, New Mexico  
Approval of Nineteenth Expanded  
Participating Area, Dakota Formation,  
Effective January 1, 1979

Gentlemen:

The Nineteenth Dakota Expansion for the referenced unit was approved on the following dates:

USGS

4/17/81

OCD

2/21/80

Copies of this letter are being sent to the working interest owners on the attached sheet.

Very truly yours,

Tom F. Hawkins  
Landman  
Land Department

TFH/en  
SJ 28-5 Unit, 4.3

SAN JUAN 28-5 UNIT  
WORKING INTEREST OWNERS

Mrs. Dorothy Abercrombie

Mr. J. R. Abercrombie

William E. Alsup, Jr., Ancillary Executor  
Estate of William E. Alsup, Deceased

American Petrofina Company of Texas

Amoco Production Company (3)  
Denver, Colorado

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Mr. James A. Brown

Mr. and Mrs. Thomas A. Dugan

Flag-Redfern Oil Company

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Mr. T. H. McElvain, Jr.

T. H. McElvain Oil and Gas Prop.

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Northwest Pipeline Corporation  
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Northwest Pipeline Corporation  
Farmington, New Mexico

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Ruth M. Vaughan

Mrs. Evelyn Ellen Wallace &  
Mr. James A. Brown, Trustees under the  
Last Will and Testament of A. W. Brown

Nancy Ridgley

Brenda Petke

**El Paso** NATURAL GAS  
COMPANY

P. O. BOX 1492  
EL PASO, TEXAS 79978  
PHONE: 915-543-2600

553

May 8, 1981

Area Oil and Gas Supervisor  
United States Geological Survey  
Post Office Box 26124  
Albuquerque, New Mexico 87125

Oil Conservation Division  
State of New Mexico  
Post Office Box 2088  
Santa Fe, New Mexico 87501

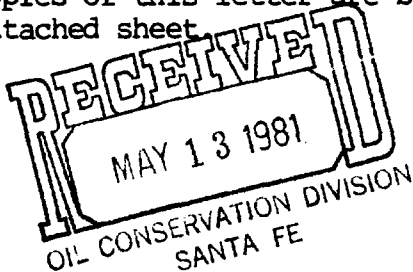
Re: San Juan 28-5 Unit #14-08-001-949  
Rio Arriba County, New Mexico  
1981 Drilling Program

Gentlemen:

The Drilling Program for 1981 for the referenced unit was approved on the following dates:

<u>USGS</u>	<u>OCD</u>
1/30/81	12/8/80

Copies of this letter are being sent to the working interest owners on the attached sheet.



Very truly yours,

*Tom F Hawkins*

Tom F. Hawkins  
Landman  
Land Department

TFH/en  
SJ 28-5 Unit, 3.0

SAN JUAN 28-5 UNIT  
WORKING INTEREST OWNERS

Mrs. Dorothy Abercrombie

Mr. J. R. Abercrombie

William E. Alsup, Jr., Ancillary Executor  
Estate of William E. Alsup, Deceased

American Petrofina Company of Texas

Amoco Production Company (3)  
Denver, Colorado

Amoco Production Company  
Farmington, New Mexico

Mrs. Lela L. Barkley

Mr. Tom Bolack

Mr. Tommy Bolack & Terry Bolack  
Co-Personal Representatives  
of the Est. of Alice S. Bolack

Mrs. Evelyn G. Brown

Mr. James A. Brown

Mr. and Mrs. Thomas A. Dugan

Flag-Redfern Oil Company

General American Oil Co. of Texas

Mr. Thomas H. Harrington

Col. Langdon Dewey Harrison

Catherine M. Harvey

Mr. Ralph H. McCullough

Mrs. Catherine B. McElvain

Mr. James E. McElvain, Executor for the  
Estate of Carl R. McElvain, Deceased

Mr. T. H. McElvain, Jr.

T. H. McElvain Oil and Gas Prop.

Mabelle McElvain Miller

Northwest Pipeline Corporation  
Denver, Colorado

Northwest Pipeline Corporation  
Farmington, New Mexico

Phillips Petroleum Company

H. O. Pool Trust

Mr. Joe Quinn

Mr. James M. Raymond, Ind. and as Trustee

Mr. M. A. Romero

Max B. Rotholz

Mr. Robert P. Tinnin

Ruth M. Vaughan

Mrs. Evelyn Ellen Wallace &  
Mr. James A. Brown, Trustees under the  
Last Will and Testament of A. W. Brown

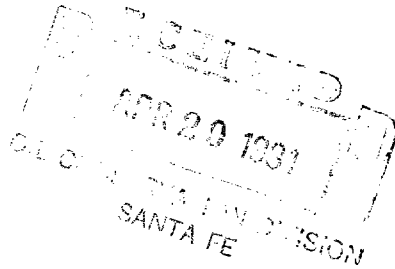
Nancy Ridgley

Brenda Petke



# United States Department of the Interior

GEOLOGICAL SURVEY  
P. O. Box 26124  
South Central Region  
Albuquerque, New Mexico 87125



17 APR 1981

553

El Paso Natural Gas Company  
Attention: James P. Permenter  
P. O. Box 1492  
El Paso, Texas 79978

Gentlemen:

Your application of January 11, 1980, requesting approval of the nineteenth revision of the Dakota participating area for the San Juan 28-5 unit agreement, Rio Arriba County, New Mexico, No. 14-08-001-949, was approved on the date above by the Deputy Conservation Manager, U. S. Geological Survey, effective as of January 1, 1979.

The nineteenth revision adds 871.81 acres described as Lots 3, and 4,  $W\frac{1}{2}$  SE $\frac{1}{4}$ ,  $W\frac{1}{2}$  section 13 and Lots 1-4  $W\frac{1}{2}$  E $\frac{1}{2}$  section 24, T. 28 N., R. 5 W., N.M.P.M., which enlarges the Dakota participating area to 16,305.58 acres and is based on the completion and production of unit wells No. 98 and No. 101. Well No. 98 was completed January 4, 1979 with an initial potential of 253 MCFPD from the Dakota interval 8,566 to 8,712 feet. Well No. 101 was completed January 2, 1979 with an initial potential of 869 MCFPD from the Dakota interval 8,717 to 8,879 feet.

Copies of the approved application are being distributed to the appropriate Federal offices and three approved copies are returned herewith. You are requested to furnish the State of New Mexico and all other interested parties with appropriate evidence of this approval.

Sincerely yours,

(ORIG. SGD.) Henry Luccock, Jr.

FOR Gene F. Daniel  
Deputy Conservation Manager  
Oil and Gas

Enclosure (3)

cc:

BLM, Santa Fe (ltr only)  
NMOCB, Santa Fe (ltr only)  
DS, Farmington (w/cy appl.)



STATE OF NEW MEXICO  
ENERGY AND MINERALS DEPARTMENT  
OIL CONSERVATION DIVISION

BRUCE KING  
GOVERNOR  
LARRY KEHOE  
SECRETARY

April 13, 1981

POST OFFICE BOX 2088  
STATE LAND OFFICE BUILDING  
SANTA FE, NEW MEXICO 87501  
(505) 827-2434

El Paso Natural Gas Company  
P. O. Box 1492  
El Paso, Texas 79978

Attention: James R. Permenter

Re: Case No. 553  
San Juan 28-5 Unit  
Twentieth Expanded  
Participating Area,  
Dakota Formation

Gentlemen:

We hereby approve the Twentieth Expanded Participating Area for the Dakota Formation for the San Juan 28-5 Unit, Rio Arriba County, New Mexico, subject to like approval by the United States Geological Survey and the Commissioner of Public Lands.

One approved copy of the Expanded Participating Area is returned herewith.

Yours very truly,

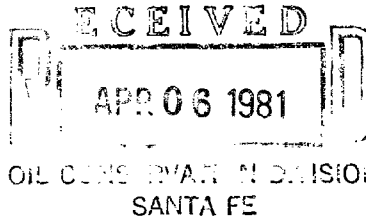
JOE D. RAMEY  
Director

JDR/EP/fd  
enc.

cc: U.S.G.S. - Albuquerque  
Commissioner of Public Lands



**El Paso** NATURAL GAS  
COMPANY



P. O. BOX 1492  
EL PASO, TEXAS 79978  
PHONE: 915-543-2600

March 20, 1981

553  
OK  
E/P  
4/6/81

Area Oil and Gas Supervisor  
United States Geological Survey  
Post Office Box 26124  
Albuquerque, New Mexico 87125

Oil Conservation Division  
State of New Mexico  
Post Office Box 2088  
Santa Fe, New Mexico 87501

Re: San Juan 28-5 Unit #14-08-001-949  
Rio Arriba County, New Mexico  
APPLICATION FOR APPROVAL OF THE  
TWENTIETH EXPANDED PARTICIPATING AREA,  
Dakota Formation, Effective  
November 1, 1979

Gentlemen:

Pursuant to the provisions of Section 11(b) of the San Juan 28-5 Unit Agreement, #14-08-001-949, approved August 25, 1953, El Paso Natural Gas Company, as Unit Operator, hereby respectfully requests approval of the Twentieth Expanded Participating Area for the Dakota Formation, to wit:

TWENTIETH EXPANDED PARTICIPATING AREA - Effective November 1, 1979

<u>Description of Lands</u>	<u>Acres</u>
<u>Township 28 North, Range 5 West, NMPM</u>	
Section 10: NE/4 SW/4, SE/4	
Section 11: S/2	
Section 12: SW/4, SW/4 SE/4	631.80

The proposed Twentieth Expanded Participating Area for the Dakota Formation is predicated upon the determination by El Paso Natural Gas Company, as Unit Operator, that the San Juan 28-5 Unit Well #102 is capable of producing unitized substances in paying quantities from the Dakota Formation.

In support of this application, the following listed Exhibits are made a part hereof:

EXHIBIT "A" - Ownership map reflecting the boundaries of the unit and the Twentieth Expanded Participating Area for the Dakota Formation within the San Juan 28-5 Unit.

EXHIBIT "B" - Geological Report on the Twentieth Expanded Participating Area for the Dakota Formation within the San Juan 28-5 Unit.

EXHIBIT "C" - Figure No. 1: San Juan 28-5 Dakota Structure Map  
Figure No. 2: San Juan 28-5 Dakota Isopach Map

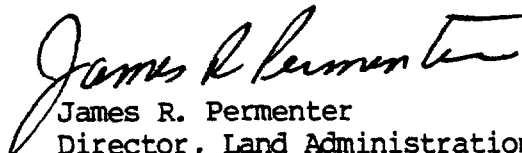
EXHIBIT "D" - Schedule of Dakota Gas Production

Attached hereto is Schedule XXI that shows the proposed Twentieth Expanded Participating Area for the Dakota Formation in the San Juan 28-5 Unit Area. The schedule describes the Expanded Participating Area, shows the percentage of unitized substances allocated to each unitized tract, and the percentage of ownership in each tract.

If this Expanded Participating Area for the Dakota Formation meets with your approval, please indicate such approval in the space provided on the attached sheet and return an approved copy hereof for our files. ✓

Copies of this letter are being sent to the working interest owners as shown on the attached sheet.

Very truly yours,

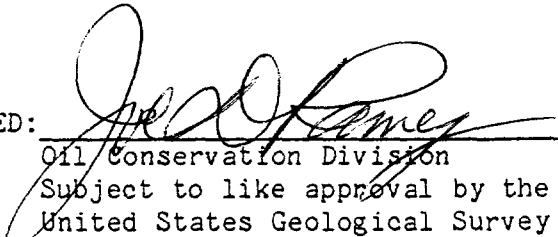
  
James R. Permenter  
Director, Land Administration  
Land Department

JRP/TFH/en  
SJ 28-5 Unit, 4.3

cc: Mr. Antonio Martinez  
Commissioner of Public Lands (Information Only)

APPROVED: \_\_\_\_\_  
Area Oil & Gas Supervisor  
United States Geological Survey  
Subject to like approval by the  
Oil Conservation Division

DATE: \_\_\_\_\_

APPROVED:  \_\_\_\_\_  
Oil Conservation Division  
Subject to like approval by the  
United States Geological Survey

DATE: April 13, 1981

SAN JUAN 28-5 UNIT  
WORKING INTEREST OWNERS

Mrs. Dorothy Abercrombie

Mr. J. R. Abercrombie

William E. Alsup, Jr., Ancillary Executor  
Estate of William E. Alsup, Deceased

American Petrofina Company of Texas

Amoco Production Company (3)  
Denver, Colorado

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Flag-Redfern Oil Company

General American Oil Co. of Texas

Mr. Thomas H. Harrington

Col. Langdon Dewey Harrison

Catherine M. Harvey

Mr. Ralph H. McCullough

Mrs. Catherine B. McElvain

Mr. James E. McElvain, Executor for the  
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T. H. McElvain Oil and Gas Prop.

Mabelle McElvain Miller

Northwest Pipeline Corporation  
Denver, Colorado

Northwest Pipeline Corporation  
Farmington, New Mexico

Phillips Petroleum Company

H. O. Pool Trust

Mr. Joe Quinn

Mr. James M. Raymond, Ind. and as Trustee

Mr. M. A. Romero

Max B. Rotholz

Mr. Robert P. Tinnin

Ruth M. Vaughan

Mrs. Evelyn Ellen Wallace &  
Mr. James A. Brown, Trustees under the  
Last Will and Testament of A. W. Brown

Nancy Ridgley

Brenda Petke

SCHEDULE XXI  
TWENTIETH EXPANDED PARTICIPATING AREA FOR THE DAKOTA FORMATION  
SAN JUAN 28-5 UNIT AREA

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PRESENT ACTU PARTICIPATIO
			OWNERSHIP	PERCENTAGE	

SF 079250

T-28-N, R-5-W 2,453.70  
 Sec. 9: Lots 1,2, SE/4  
 SE/4, SW/4 SW/4  
 Sec. 10: Lots 1,2,3,4, S/2  
 S/2

Royalty:  
 Working Interest:  
 El Paso Natural Gas Co.:  
 ORRI  
 TOTAL

12.50%  
 82.50%  
 5.00%  
 100.00%

TRACT 1

Sec. 11: Lots 1,2,3,4,  
 S/2 S/2  
 Sec. 12: Lot 4, SW/4  
 SW/4  
 Sec. 13: W/2 NW/4  
 Sec. 14: N/2  
 Sec. 15: N/2  
 Sec. 16: N/2  
 Sec. 17: N/2  
 Sec. 18: N/2

Royalty:  
 Working Interest:  
 El Paso Natural Gas Co.:  
 ORRI:  
 TOTAL

TRACT 2

SF 079472

T-28-N, R-5-W 320.00  
 Sec. 30: NE/4,  
 N/2 S/2

Royalty:  
 Working Interest:  
 El Paso Natural Gas Co.:  
 ORRI:  
 TOTAL

12.50%  
 82.50%  
 5.00%  
 100.00%

TRACT 3

SF 079519

T-28-N, R-5-W 171.89  
 Sec. 24: Lot 1, NW/4  
 NE/4, N/2  
 NW/4

Royalty:  
 Working Interest:  
 El Paso Natural Gas Co.:  
 Langdon Dewey Harrison, Trustee  
 R. P. Tinnin  
 H. O. Pool Trust  
 Evelyn Ellen Wallace and James  
 A. Brown, Trustees under the  
 Last Will and Testament of  
 Algernon Brown; and Evelyn  
 G. Brown and James a Brown  
 Individually

12.500000%  
 67.948987%  
 1.638892%  
 .546297%  
 4.370379%

12.500000%  
 67.948987%  
 1.638892%  
 .546297%  
 4.370379%

1.014856%

4.370379%





SCHEDULE XXI

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PRESENT ACTU PARTICIPATIO	
			OWNERSHIP	PERCENTAGE		
<u>TRACT 8</u>						
SF 079521-A	T-28-N, R-5-W	1,919.28	Royalty:	12.500%	12.500%	11.331623%
	Sec. 28: SE/4 NE/4,		Working Interest:	65.625%	65.625%	
	SE/4 NW/4,		E1 Paso Natural Gas Co.:	21.875%	21.875%	
	W/2 NW/4, S/2		M. A. Romero, et al	<u>100.000%</u>	<u>100.000%</u>	
	Sec. 29: A11		TOTAL			
	Sec. 30: S/2 S/2					
	Sec. 31: Lots 1,2,3,4,					
	N/2 S/2, N/2 (A11)					
<u>TRACT 9</u>						
SF 079522	T-28-N, R-5-W	1,590.59	Royalty:	12.50%	12.50%	9.391004%
	Sec. 21: SW/4 SW/4		Working Interest:	85.00%	85.00%	
	Sec. 33: Lots 1,2,3,4,		Amoco Production Co.:	2.50%	2.50%	
	N/2 S/2, E/2		ORRI:	<u>100.00%</u>	<u>100.00%</u>	
	NE/4, W/2 NW/4		TOTAL			
	Sec. 34: Lot 2, N/2,					
	N/2 SE/4					
	Sec. 35: Lots 1,2,3,					
	NE/4 SE/4,					
	N/2 NE/4					
	Sec. 36: Lots 1,2, W/2					
	NE/4, NW/4					
<u>TRACT 9-A</u>						
SF 079522-A	T-28-N, R-5-W	411.57	Royalty:	12.50%	12.50%	2.429951%
	Sec. 36: Lots 3,4,5,6,		Working Interest:	85.00%	85.00%	
	7,8, N/2 SW/4,		Amoco Production Co.:	2.50%	2.50%	
	NW/4 SE/4		ORRI:	<u>100.00%</u>	<u>100.00%</u>	
	TOTAL					

Effective November 1, 1979



SCHEDULE XXI

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PERCENTAGE COMMITTED	PRESENT ACTU PARTICIPATIO
			OWNERSHIP	PERCENTAGE		
<u>TRACT 10</u>						
NM 012880	T-28-N, R-5-W Sec. 21: NE/4 NE/4	40.00	Royalty: Working Interest: El Paso Natural Gas Co.: ORRI: TOTAL	12.50% 86.50% 1.00% 100.00%	12.50% 86.50% 1.00% 100.00%	.236164%
<u>TRACT 11</u>						
SF 080505	T-28-N, R-5-W Sec. 30: NW/4	160.00	Royalty: Working Interest: El Paso Natural Gas Co.: T. H. Harrington, et ux ORRI: TOTAL	12.50% 38.75% 38.75% 10.00% 100.00%	12.50% 38.75% 38.75% 10.00% 100.00%	.944656%
<u>TRACT 12</u>						
SF 080505-B	T-28-N, R-5-W Sec. 19: SW/4	160.00	Royalty: Working Interest: El Paso Natural Gas Co.: ORRI: TOTAL	12.50% 83.50% 4.00% 100.00%	12.50% 83.50% 4.00% 100.00%	.944656%
<u>TRACT 13</u>						
SF 080516-B	T-28-N, R-5-W Sec. 13: W/2 SE/4, SW/4, SE/4 NW/4 Sec. 15: N/2 SW/4, SE/4	520.00	Royalty: Working Interest: American Petrofina Co. of Texas ORRI: TOTAL	12.50% 87.50% .00% 100.00%	12.50% 87.50% .00% 100.00%	3.070133%

Effective November 1, 1979

SCHEDULE XXI

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PERCENTAGE COMMITTED	PRESENT ACTU PARTICIPATIO		
			OWNERSHIP	PERCENTAGE				
SF 080516	T-28-N, R-5-W Sec. 14: S/2 Sec. 16: S/2	640.00	TRACT 14		12.50%	3.778625%		
			Royalty:	12.50%				
			Working Interest:	87.50%				
			Tom Bojack	.00%				
			ORRI:	100.00%				
			TOTAL					
			TRACT 15					
			Royalty:	12.50%				
			Working Interest:	82.50%				
			El Paso Natural Gas Co.:	5.00%				
ORRI:	100.00%							
TOTAL								
NM 010516	T-28-N, R-5-W Sec. 7: Lots 1,2,3,4, S/2 S/2 (A11) Sec. 8: Lots 1,2,3,4, S/2 S/2 (A11)	565.80	TRACT 16		12.50%	3.340540%		
			Royalty:	12.50%				
			Working Interest:	82.50%				
			El Paso Natural Gas Co.:	5.00%				
			ORRI:	100.00%				
			TOTAL					
			TRACT 17					
			Royalty:	12.50%				
			Working Interest:	82.50%				
			El Paso Natural Gas Co.:	5.00%				
ORRI:	100.00%							
TOTAL								
Fee	T-28-N, R-5-W	141.17	Royalty:	12.50%	12.50%	.833482%		
	Sec. 9: Lots 3, 4, SE/4 SW/4, SW/4 SE/4		Working Interest:	82.50%	82.50%			
			El Paso Natural Gas Co.:	5.00%	5.00%			
			ORRI:	100.00%	100.00%			
			TOTAL					

SCHEDULE XXI

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PERCENTAGE COMMITTED	PRESENT ACTU PARTICIPATIO
			OWNERSHIP	PERCENTAGE		
<u>TRACT 18</u>						
Fee	T-28-N, R-5-W Sec. 22: N/2 NW/4	80.00	Royalty: Working Interest: El Paso Natural Gas Co.: ORRI:	12.50% 87.50% .00% 100.00%	12.50% 87.50% .00% 100.00%	.472328%
<u>TRACT 18-A</u>						
Fee	T-28-N, R-5-W Sec. 15: S/2 SW/4	80.00	Royalty: Working Interest: American Petrofina Co. of Texas ORRI:	12.50% 87.50% .00% 100.00%	12.50% 87.50% .00% 100.00%	.472328%
<u>TRACT 19</u>						
Fee	T-28-N, R-5-W Sec. 18: SW/4 SW/4 Sec. 19: W/2 NW/4	120.00	Royalty: Working Interest: Amoco Production Co.: ORRI:	12.50% 87.50% .00% 100.00%	12.50% 87.50% .00% 100.00%	.708492%
<u>TRACT 20</u>						
Fee	T-28-N, R-5-W Sec. 21: E/2 SW/4, NW/4 SW/4, SW/4 SE/4	160.00	Royalty: Working Interest: Amoco Production Co.: ORRI:	12.50% 87.50% .00% 100.00%	12.50% 87.50% .00% 100.00%	.944656%

Effective November 1, 1979

SCHEDULE XXI

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PERCENTAGE COMMITTED	PRESENT ACTU PARTICIPATIO
			OWNERSHIP	PERCENTAGE		
Fee	T-28-N, R-5-M Sec. 25: E/2 SW/4, NW/4 SE/4	120.00	Royalty:	12.50%	12.50%	.708492%
			Working Interest:	87.50%	87.50%	
			Amoco Production Co.:	.00%	.00%	
			ORRI:	100.00%	100.00%	
			TOTAL			
			<u>TRACT 21</u>			
Fee	T-28-N, R-5-M Sec. 28: N/2 NE/4, SW/4 NE/4, NE/4 NW/4	160.00	Royalty:	12.50%	12.50%	.944656%
			Working Interest:	87.50%	87.50%	
			Amoco Production Co.:	.00%	.00%	
			ORRI:	100.00%	100.00%	
			TOTAL			
			<u>TRACT 22</u>			
Fee	T-28-N, R-5-M Sec. 33: W/2 NE/4, E/2 NW/4	329.70	Royalty:	12.50%	12.50%	1.946582%
			Working Interest:	82.50%	82.50%	
			EI Paso Natural Gas Co.:	5.00%	5.00%	
			ORRI:	100.00%	100.00%	
			TOTAL			
			<u>TRACT 23</u>			
Fee	T-28-N, R-5-M Sec. 34: Lot 1 Sec. 35: Lot 4, NW/4 SE/4, N/2 SW/4, S/2 NE/4	296.06	Royalty:	12.50%	12.50%	1.747968%
			Working Interest:	87.50%	87.50%	
			Amoco Production Co.:	.00%	.00%	
			ORRI:	100.00%	100.00%	
			TOTAL			
			<u>TRACT 24</u>			

SCHEDULE XXI

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PERCENTAGE COMMITTED	PRESENT ACTU. PARTICIPATION
			OWNERSHIP	PERCENTAGE		
			<u>TRACT 25</u>			
			Royalty:	12.50%	12.50%	.944656%
			Working Interest:			
			Amoco Production Co.:	87.50%	87.50%	
			ORRI:	.00%	.00%	
			TOTAL	<u>100.00%</u>	<u>100.00%</u>	

Fee T-28-N, R-5-W 160.00  
Sec. 35: NW/4

SCHEDULE XXI

SERIAL NUMBER	DESCRIPTION	NUMBER OF ACRES	DRILLING BLOCK		PERCENTAGE COMMITTED	PRESENT ACTUAL PARTICIPATION
			OWNERSHIP	PERCENTAGE		

RECAPITULATION

Description of Lands in Participating Area:

Township 28 North, Range 5 West, N.M.P.M.  
 Section 13: W/2 and SE/4  
 Sections 7, 8, 9, 10, 11, 14, 15, 16, 17, 18, 19, 20, 21, 22,  
 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35 & 36: A11  
 Section 23: E/2, NW/4  
 Section 12: SW/4, SW/4 SE/4

Total number of acres in Participating Area: 16,937.38  
 Total number of acres committed to Participating Area: 16,937.38

Percent of Basic Royalty Committed: 99.843525%  
 Percent of Working Interest Committed: 100.000000%  
 Percent of ORRI Committed: 100.000000%

Effective November 1, 1979

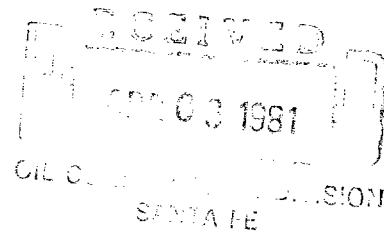


EXHIBIT "B"  
SAN JUAN 28-5 UNIT  
RIO ARRIBA COUNTY, NEW MEXICO  
GEOLOGIC REPORT  
DAKOTA PRODUCING INTERVAL  
PROPOSED TWENTIETH EXPANSION  
OF THE DAKOTA PARTICIPATING AREA

EL PASO NATURAL GAS COMPANY

By: D. E. Adams (RD)  
D. E. Adams, Director  
Reservoir Engineering Dept.

## EXHIBIT "B"

SAN JUAN 28-5 UNIT  
RIO ARRIBA COUNTY, NEW MEXICO

GEOLOGIC REPORT  
DAKOTA PRODUCING INTERVAL

PROPOSED TWENTIETH EXPANSION  
OF THE DAKOTA PARTICIPATING AREA

### INTRODUCTION

The San Juan 28-5 Unit is located in the east central portion of the San Juan Basin and consists of all Township 28 North, Range 5 West. The unit area is comprised of 17,399.68 acres.

Within the San Juan 28-5 Unit, the "Dakota Producing Interval" has been tested by 51 wells, one of which is non-commercial. The "Dakota Producing Interval" as defined by the New Mexico Oil Conservation Commission in Rule 25, Order No. R-167-C, is "...from the base of the Greenhorn limestone to a point 400 feet below the base of the said formation and consisting of the Graneros formation, the Dakota formation and the productive upper portion of the Morrison formation".

Included as a part of this report are two maps entitled Exhibit "C". Exhibit "C", Figure No. 1 shows the subsurface structure of the "Dakota Producing Interval" as reflected by using the top of the Graneros formation as the mapping horizon and mean sea level as the datum plane. The overall picture presented by this map is primarily that of gentle, regional northeast dip toward the axis of the San Juan Basin. Exhibit "C", Figure No. 2 is an isopachous map showing the number of feet of net reservoir sandstone which is interpreted to be present within the "Dakota Producing Interval". Detailed discussions of the lithology and stratigraphy of the "Dakota Producing Interval" in the general area of the San Juan 28-5 Unit may be found in geologic reports which have been previously submitted.

Also included with this report as Exhibit "D", Table No. 1 is a tabulation of the San Juan 28-5 Unit Dakota gas production. This tabulation shows by well the absolute open flow potential, date of first delivery into the gathering system, cumulative gas production to January 1, 1979, production by months for 1979 from January through October, 1979, annual production to November 1, 1979 and cumulative production to November 1, 1979. Wells within the Dakota Participating Area have produced a cumulative total of 70,354,699 Mcf as of November 1, 1979.



PROPOSED TWENTIETH EXPANSION  
OF THE DAKOTA PARTICIPATING AREA

Effective Date: November 1, 1979

The proposed twentieth expansion of the Dakota Participating Area is based upon the completion of the San Juan 28-5 Unit well number 102 by El Paso Natural Gas Company, the Unit operator. This well is located 1,180 feet from the south line and 470 feet from the east line, Section 11, Township 28 North, Range 5 West, Rio Arriba County, New Mexico. On October 15, 1979, this San Juan Unit well, on after frac gauge, flowed at the rate of 1,475 Mcf/D. After 7 days shut-in, the pressures were measured at 2,412 psia casing and 1,212 psia tubing.

Proposed Expanded Acreage:

Township 28 North, Range 5 West

Section 10: NE/4 of SW/4 and  
SE/4

Section 11: S/2

Section 12: SW/4 and SW/4 of  
SE/4

Well No. 102 produces from the Dakota "A" and "B" zones which are the upper and middle sandstone members of the Dakota formation. To a lesser extent, it also produces from the sandstone development within the Graneros shale. These producing sands correlate between the subject well and other wells in the unit. The proposed expanded acreage is inferred to be capable of producing unitized substances in commercial quantities from the above mentioned sandstone. The subject well was first delivered into the gathering system on June 1, 1980 and after 82 days on production, had an average production rate of 785 Mcf/D. Utilizing the stabilized deliverability, this well has been determined to be commercial for unit purposes. Exhibit "C", Figure No. 2, illustrates the net reservoir sand which is interpreted to be present under the acreage proposed for admission to the Dakota Participating Area by the twentieth expansion.

EXHIBIT "D",  
TABLE NO. 1  
SAN JUAN 28-5 DK  
RIO ARRIBA COUNTY, NEW MEXICO

VOLUMES IN MCF AT 15.025 PSIA AND 60 DEGREES F.

WELL NAME AND NO.	MCF/D	AOF	DATE OF FIRST DELIVERY	CURRENT WELL STATUS	1-1-79 CUM PROD	JAN.	FEB.	MAR.	APR.	1979 MONTHLY PRODUCTION					OCT.	1979 PROD	11-1-79 CUM PROD
										MAY	JUNE	JULY	AUG.	SEPT.			
SJ 28-5 UNIT #33	6187	59/09/26	125	125	2294918	125	4179	5145	5129	6094	0	0	0	0	0	371	2295287
SJ 28-5 UNIT #34	5279	59/09/30	4865	4179	2109934	4865	4179	5145	5129	6094	3955	3310	4805	2914	4402	44798	2154732
SJ 28-5 UNIT #35	4687	60/04/21	437	0	1074190	437	0	7873	0	2174	3055	4079	3490	3548	4573	292339	1103429
SJ 28-5 UNIT #41	3991	60/09/16	4551	5799	2182352	4551	5799	5507	3642	2219	4804	8173	6519	5293	3010	50216	2323568
SJ 28-5 UNIT #42	9226	60/10/14	4795	3158	2588651	4795	3158	4169	6193	5406	3990	3595	5940	5287	8033	48566	2634217
SJ 28-5 UNIT #44	4833	60/12/04	734	264	4029913	734	264	126	4333	15089	20931	26246	24710	23567	17383	133383	4163296
SJ 28-5 UNIT #56	5800	63/02/14	6236	6254	1745896	6236	6254	5935	4436	5423	6187	10577	7796	9451	4842	67137	1813033
SJ 28-5 UNIT #58	6144	63/02/15	6992	2830	1383236	6992	2830	5115	5254	5418	3854	4914	5686	4903	4903	1432618	4132618
SJ 28-5 UNIT #59	6617	63/02/19	6548	5764	2132937	6548	5764	6438	4520	5793	3758	6215	5817	3917	1305	50045	2182982
SJ 28-5 UNIT #63	6406	63/03/27	18081	11208	3854352	18081	11208	17268	12965	13004	16350	10797	10972	4195	5210	120050	3974402
SJ 28-5 UNIT #67	5822	63/03/27	8173	4992	1752511	8173	4992	7573	7211	7442	614	0	0	0	644	36349	1788860
SJ 28-5 UNIT #66	7939	63/03/28	3813155	7968	3813155	7968	13946	12415	7740	15486	22059	21231	20209	19021	14511	154596	1967751
SJ 28-5 UNIT #60	6375	63/03/28	2908128	7911	2908128	7911	7285	8153	5626	4770	6574	5558	11220	0	0	57097	2955225
SJ 28-5 UNIT #54	4455	63/04/01	2283	1989	1180866	2283	1989	2638	3258	2662	2214	2085	2694	2372	2980	25175	1205041
SJ 28-5 UNIT #61	5493	63/04/02	4857	3480	1196444	4857	3480	3907	4435	4386	3998	3765	4342	4336	4369	41875	1238313
SJ 28-5 UNIT #65	12592	63/04/03	36499	36474	5235627	36499	36474	34483	25320	21905	32184	31311	33810	23319	297087	5532714	
SJ 28-5 UNIT #62	3010	63/04/08	5138	2380	993793	5138	2380	4401	2628	3170	3006	7235	5100	5150	2661	40869	1035552
SJ 28-5 UNIT #64	6417	63/04/10	15210	14993	3175812	15210	14993	14522	9911	13199	14400	10430	13583	11808	10581	128633	3304445
SJ 28-5 UNIT #67	6508	67/08/16	6508	7063	1386909	6508	7063	6390	6969	4856	5145	6930	6377	5931	5227	60423	1447332
SJ 28-5 UNIT #72	4094	67/08/17	6629	5087	1457366	6629	5087	6014	6891	8919	9842	12009	9250	8547	7295	80383	1517743
SJ 28-5 UNIT #73	3300	67/09/22	3673	2967	741866	3673	2967	2187	5531	3968	5428	4870	6973	5183	3485	44263	786129
SJ 28-5 UNIT #71	5048	67/09/22	9084	9216	1427308	9084	9216	8976	6928	4953	7644	8968	9741	9379	7307	82396	1509704
SJ 28-5 UNIT #74	5792	67/09/23	6300	7124	1208571	6300	7124	3506	5159	6363	6936	5119	7844	5795	5651	59797	1258363
SJ 28-5 UNIT #70	3433	67/11/01	1394	2236	597436	1394	2236	2066	2187	3182	3978	3247	3134	3851	2346	26821	624257
SJ 28-5 UNIT #45	2601	67/11/02	3192	2672	4117639	3192	2672	2417	1506	1984	2494	1786	2764	1574	2101	22490	434184
SJ 28-5 UNIT #68	6184	67/11/02	660	2404	1114769	660	2404	2561	2778	4373	4373	3157	3876	1912	1899	27717	1142486
SJ 28-5 UNIT #69	4948	67/11/16	4457	3633	1373635	4457	3633	4194	2924	3914	3936	328	0	0	23386	1376021	
SJ 28-5 UNIT #78	2914	68/11/01	3013	2768	380819	3013	2768	2832	1902	2362	2175	2271	2030	1853	1906	22872	403591
SJ 28-5 UNIT #77	3178	68/11/08	1622	1994	405969	1622	1994	1987	1243	1953	3118	2481	1970	1295	1014	14723	424592
SJ 28-5 UNIT #76	4309	68/11/08	5884	6226	1221301	5884	6226	5811	4301	5864	7958	7564	7699	6739	4866	65922	1284223
SJ 28-5 UNIT #75	4773	68/11/08	920135	2085	920135	920135	2085	5850	4137	3839	4800	2940	2994	1817	2059	32299	952434
SJ 28-5 UNIT #80	2198	69/08/18	3437	3149	560606	3437	3149	3843	2585	4210	2681	2598	3912	3651	2605	32671	531277
SJ 28-5 UNIT #81	2680	69/09/08	2260	2001	285703	2260	2001	2007	1422	1905	2027	1852	1649	1757	1364	10244	303947
SJ 28-5 UNIT #92	67168	69/09/12	2359	2590	67168	2359	2590	341	4070	4894	3974	3825	4769	2355	4320	33497	709565
SJ 28-5 UNIT #79	4179	69/09/16	8335	7541	1293312	8335	7541	8781	8142	7764	7059	7661	7582	7335	7064	77464	1376775
SJ 28-5 UNIT #83	5970	69/10/08	1404261	8388	1404261	1404261	8388	5672	1836	9567	7798	10089	11010	8302	8913	81498	1435753
SJ 28-5 UNIT #85	3443	71/06/08	11455	10395	1685298	11455	10395	11211	10419	9609	9366	10628	10260	10870	10807	105020	1790313
SJ 28-5 UNIT #84	4192	71/06/09	11601	8327	1460464	11601	8327	11441	13750	11860	10450	10178	11906	10370	11789	111664	1572128
SJ 28-5 UNIT NP #86	3345	71/09/13	9069	2830	551737	9069	2830	4663	4235	4858	4264	4264	4872	4206	5012	45129	596866
SJ 28-5 UNIT #87	573209	72/08/15	5629	5682	573209	5629	5682	530	11713	8491	5391	5459	5841	4938	5167	58431	631340
SJ 28-5 UNIT #88	1352	72/08/18	1352	9137	908858	1352	9137	8975	9893	10264	7095	7278	7697	7042	7111	75754	984512
SJ 28-5 UNIT #89	322	72/08/19	4283	7833	462986	4283	7833	3590	4506	5002	2910	3163	2014	2338	1515	37355	505341
SJ 28-5 UNIT #92	1374	73/10/20	938	863	97090	938	863	465	1465	1080	1098	625	449	1127	649	3750	105840
SJ 28-5 UNIT #91	2905	73/10/24	515969	7002	515969	515969	7002	5829	6820	6419	6259	6259	6686	5332	7047	60346	576315
SJ 28-5 UNIT #93	1248	75/01/14	8589	8513	518047	8589	8513	8702	7894	9200	6966	8373	7526	8394	8047	89905	600352
SJ 28-5 UNIT #7	66380	78/06/23	10163	8514	66380	10163	8514	7345	8457	7050	5391	8504	7740	8488	4152	80164	146544
SJ 28-5 UNIT #94	818*	78/06/28	4321	3905	33718	4321	3905	4075	2348	3547	2092	2947	966	2645	3057	30143	53861
SJ 28-5 UNIT #101	869*	79/06/01	0	0	0	0	0	0	0	0	20072	11367	11673	8445	0	51757	51757
SJ 28-5 UNIT #103	263*	79/07/26	0	0	0	0	0	0	0	0	0	3209	5902	7171	20248	20248	20248
SJ 28-5 UNIT #103	2042*	79/12/05	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SJ 28-5 UNIT #96	2047*	80/03/20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SJ 28-5 UNIT #102	1475*	80/06/01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTALS			287726	277265	288051	264782	296487	324467	329468	359368	234377	238407	238407	238407	238407	238407	70314539

\* After Frac Gauge For Sizing Equipment Only