



NEW MEXICO
OIL CONSERVATION COMMISSION

OIL AND GAS RESERVES
STATE OF NEW MEXICO

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STATE OF NEW MEXICO

OIL AND GAS RESERVES

INTRODUCTION

The following Oil and Gas Reserve Report was prepared by the staff of the New Mexico Oil Conservation Commission under the direction of R. R. Spurrier, State Geologist and W. B. Macey, Chief Engineer.

The purpose of the report is to outline the minimum proven oil and gas reserves of the State of New Mexico.

There has been a notable increase in proven gas reserves in northwestern New Mexico since January 1, 1953. This increase has been due mainly to the extension of already existing gas fields in this area. The gas reserves in southeastern New Mexico have long been known to exist but it has only been recently that they have been fully developed. This has been due to the fact that additional pipeline capacity has been installed, taking New Mexico's gas to outside markets.

There has been approximately a 15% increase in proven oil reserves since January 1, 1953. This increase has been due mainly to the discovery of new oil pools in this area. At present the oil outlet from the State is limited to a certain extent due to pipeline capacity but additional capacity could be provided in a minimum amount of time.

The New Mexico Oil Conservation Commission has assembled and prepared its own reserves based upon electric logs, core analyses and reports of its own engineers, geologists and field inspectors.

Information compiled by various oil and gas companies or federal agencies has been considered academically. However, the views and conclusions used are those based on the experience of the New Mexico Oil Conservation Commission staff and used in their own work, regardless of conclusions of the others.

SUMMARY
OIL AND GAS RESERVES
STATE OF NEW MEXICO

DRY GAS

NORTHWEST NEW MEXICO	11,170,739,000 MCF
SOUTHEAST NEW MEXICO	<u>4,133,557,000 MCF</u>
TOTAL - STATE OF NEW MEXICO	15,304,296,000 MCF

ASSOCIATED GAS

NORTHWEST NEW MEXICO	3,188,000 MCF
SOUTHEAST NEW MEXICO	<u>549,419,600 MCF</u>
TOTAL - STATE OF NEW MEXICO	552,607,600 MCF

MARKETABLE ASSOCIATED GAS

TOTAL - STATE OF NEW MEXICO	367,714,200 MCF
TOTAL GAS RESERVE AVAILABLE FOR MARKET	<u>15,672,010,200 MCF</u>

OIL

NORTHWEST NEW MEXICO	5,133,000 BBLS.
SOUTHEAST NEW MEXICO	<u>726,209,825 BBLS.</u>
TOTAL - STATE OF NEW MEXICO	731,342,825 BBLS.

STATE OF NEW MEXICO

DRY GAS RESERVES

NORTHWEST NEW MEXICO

<u>PRODUCING ZONE</u>	<u>PROVEN PRODUCTIVE ACREAGE</u>	<u>ESTIMATED RECOVERABLE RESERVE</u>
Pictured Cliff	284,475	1,544,741,000
Mesaverde		
Cliff House	718,925	
Point Lookout	745,915	8,853,324,000
Dakota	17,440	54,882,000
Pennsylvanian	8,960	717,000,000
Undesignated		<u>792,000</u>
Total Dry Gas Reserves Northwest New Mexico		11,170,739,000

NOTE: All Gas Reserve figures in MCF.

STATE OF NEW MEXICO

DRY GAS RESERVES

SOUTHEAST NEW MEXICO

<u>POOL</u>	<u>PRODUCING ZONE</u>	<u>PROVEN PRODUCTIVE ACREAGE</u>	<u>ESTIMATED RECOVERABLE RESERVE</u>
Arrow	Yates and Seven Rivers	1,280	26,918,000
	Queen	5,760	84,499,000
Blinebry	Blinebry	30,400	793,000,000
Eumont	Yates and Seven Rivers	30,240	508,939,000
	Queen	43,360	636,091,000
Jalco	Yates and Seven Rivers	48,800	527,479,000
Justis	Glorieta	5,120	21,600,000
Langmat	Yates and Seven Rivers	46,720	982,522,000
Tubb	Tubb	32,160	<u>552,509,000</u>
Total Dry Gas Reserve Southeast New Mexico			4,133,557,000
Total Dry Gas Reserve - State of New Mexico			15,304,296,000

NOTE: All Gas Reserve figures in MCF

STATE OF NEW MEXICO

OIL RESERVES

NORTHWEST NEW MEXICO

POOL	PROVEN PRODUCTIVE ACRES	RECOVERABLE RESERVES	
		OIL	ASSOCIATED GAS
(McKinley County)			
Hospah	3240	366,000	**
Red Mountain	160	8,000	**
(Rio Arriba County)			
Lindrieth			
South Blanco-Tocito	3360	3,699,000	3,188,000
(San Juan County)			
Hogback-Dakota	280	840,000	**
Rattlesnake - Dakota	680	76,000	**
Table Mesa	280	144,000	**
Total Reserve Northwest New Mexico -		5,133,000	3,188,000

** Associated gas reserve insignificant.

STATE OF NEW MEXICO

OIL RESERVES

SOUTHEAST NEW MEXICO

POOL	PROVEN PRODUCTIVE ACRES	RECOVERABLE RESERVES	
		OIL	ASSOCIATED GAS
Acme	40	400	**
Anderson Ranch Devonian	1,000	24,925,000	5,530,000
Anderson Ranch Wolfcamp	800	5,995,000	9,670,000
Arrowhead	5,280	1,600,000	768,000 *
Bagley Pennsylvanian	1,840	4,000,000	9,986,000 *
Bagley-Siluro Devonian (80)	1,600	29,000,000	928,000 *
Baish	320	240,000	213,500 *
Blinebry	640	400,000	1,920,000 *
Bluit San Andres	80	16,500	**
Bough	1,360	2,600,000	4,060,000
Bowers	3,960	1,700,000	2,930,000 *
Bronco Siluro-Devonian	320	7,820,000	1,200,000
Brunson	7,080	44,400,000	50,300,000 *
Caprock	6,400	3,600,000	1,300,000
Caprock, East Devonian	920	6,929,000	152,500
Caprock, East Penn.	40	25,000	50,000
Caprock, East Wolfcamp	300	220,000	286,000
Carter San Andres	40	2,000	**
Cary	120	290,000	306,000
Cass	240	2,400,000	470,000 *
Caudill - Penn.	40	2,000	**
Chisum	80	350,000	22,600
Chisum San Andres	120	49,000	72,800
Cooper Jal	12,680	13,500,000	6,470,000 *
Corbin	440	280,000	78,000
Corbin Yates	40	2,600	**
Crossroads	920	6,600,000	185,000
Crossroads Penn.	760	1,782,000	2,830,000
Denton	3,280	54,600,000	61,000,000
Denton Wolfcamp	2,640	7,500,000	2,620,000 *
Dollarhide Devonian	600	1,400,000	1,760,000 *
Dollarhide Drinkard	1,500	5,100,000	6,330,000 *
Dollarhide Ellenburger	500	1,150,000	560,000 *
Dollarhide Fusselman	280	800,000	610,000 *
Dollarhide, Queen	1,040	2,900,000	1,220,000 *
Drinkard	25,760	31,200,000	36,900,000 *
Drinkard, South	120	10,000	15,500 *
Dublin Devonian	40	8,500	**
Eaves	2,000	6,200,000	***

* Marketable gas reserve.

** Associated Gas Reserve insignificant.

*** Gas reserve computed elsewhere.

STATE OF NEW MEXICO

OIL RESERVES

SOUTHEAST NEW MEXICO (Continued)

POOL	PROVEN PRODUCTIVE ACRES	<u>RECOVERABLE RESERVES</u>	
		OIL	ASSOCIATED GAS
Echol (Devonian)	240	2,200,000	110,000
Echol (Devonian North)	80	39,000	25,400
Eidson-Penn.	320	1,320,000	1,900,000
Eunice-Monument	41,440	105,800,000	45,600,000 *
Monument Blinebry	1,180	2,300,000	1,690,000 *
Monument Paddock	360	845,000	1,270,000 *
Eunice, South	6,360	6,900,000	3,240,000 *
Fowler (80)	960	3,900,000	3,660,000 *
Garrett	120	21,000	**
Gladiola	440	2,800,000	435,000
Gladiola Wolfcamp	700	2,600,000	2,700,000
Halfway	400	260,000	85,500
Hardy	1,600	210,000	75,500 *
Hare	3,840	21,700,000	46,800,000 *
Hare, South	160	21,000	21,000 *
Hightower	240	330,000	127,000 *
Hightower Permo Penn.	160	277,000	1,245,000 *
Hobbs	10,760	53,000,000	29,200,000 *
Hobbs, Drinkard	40	13,300	17,300 *
Hobbs, East Blinebry	40	20,000	21,000 *
Hobbs, East San Andres	760	6,100,000	2,990,000 *
Hobbs, East Seven Rivers	40	140,600	105,200 *
House	360	740,000	961,000
House San Andres	580	175,000	94,500
King Wolfcamp	40	259,000	185,000
Knowles	600	2,250,000	373,000
Langlie Mattix	28,000	15,430,000	10,350,000 *
Lazy J	360	780,000	1,075,000 *
Leonard	120	23,600	15,300 *
Leonard, South	640	426,000	320,000 *
Lightcap	80	26,000	260,000
Lovington	2,400	3,700,000	1,885,000
Lovington Abo	1,640	5,920,000	2,435,000
Lovington, East (Penn.)	240	650,000	710,000
Lovington, Paddock	1,600	4,500,000	2,235,000
Lovington, West	2,560	4,000,000	2,040,000
Lovington, Wolfcamp	160	600,000	763,000
Lusk	200	26,000	13,000
Lynch	960	2,200,000	220,000
Lynch, North	40	31,000	31,000

*Marketable gas reserve.

** Associated gas reserve insignificant.

STATE OF NEW MEXICO

OIL RESERVES

SOUTHEAST NEW MEXICO (Continued)

POOL	PROVEN PRODUCTIVE ACRES	RECOVERABLE RESERVES	
		OIL	ASSOCIATED GAS
Maljamar	11,360	24,400,000	34,500,000 *
Maljamar Repress.			
Maljamar Devonian	40	160,000	8,000
Maljamar, East	40	22,000	22,000
Maljamar, North	200	69,200	69,200
Maljamar, Paddock	120	330,000	429,000 *
Maljamar, South	40	15,000	15,000
McCormack	80	142,000	198,000
Mescalero Devonian	240	3,100,000	155,000
Mescalero Penn.	240	1,100,000	860,000
Moore, Devonian	600	2,500,000	125,000
Moore, Penn.	120	108,000	75,500
Nadine	120	37,000	40,700
Paddock	6,640	10,400,000	9,789,000 *
Pearsall	880	526,000	268,000
Penrose Skelly	16,680	4,600,000	3,450,000 *
Rhodes	2,360	775,000	504,000 *
Roberts	1,920	850,000	466,000
Sandhills	80	6,000	**
San Simon	80	44,000	**
Saunders	2,840	19,600,000	28,800,000 *
Saunders, South	120	76,700	99,000 *
Sawyer	80	32,600	29,400
Skaggs	2,440	4,890,000	5,000,000 *
Teague	480	1,680,000	1,320,000 *
Teague-Devonian	120	388,000	310,000 *
Teague-Ellenburger	480	3,300,000	3,620,000 *
Teas	160	54,000	27,000
Terry Blinebry	360	370,000	815,000 *
Tonto	80	141,400	31,000
Townsend Wolfcamp	400	319,000	376,000
Tulk Wolfcamp	840	1,920,000	2,205,000 *
Twin Lakes	40	4,000	**
Vacuum	18,240	59,300,000	31,800,000 *
Wantz Abo	600	1,660,000	2,840,000 *
Warren Drinkard	240	117,000	170,000 *
Warren McKee	600	3,940,000	2,380,000 *
Warren McKee, North	800	3,000,000	1,740,000 *

* Marketable gas reserve.

** Associated gas reserve insignificant.

STATE OF NEW MEXICO

OIL RESERVES

SOUTHEAST NEW MEXICO (Continued)

POOL	PROVEN PRODUCTIVE ACRES	<u>RECOVERABLE RESERVES</u>	
		OIL	ASSOCIATED GAS
Aid	240	8,500	**
Anderson	2,000	580,000	453,000
Artesia	9,000	2,830,000	2,550,000
Barber	520	328,000	98,000
Benson	240	328,000	98,000
Black River	160	34,400	13,700
Cedar Hills	240	159,000	23,800
Dark Canyon	40	12,800	**
Daughterity	80	11,400	**
Dayton	800	49,425	29,500
Empire	2,960	181,400	72,500
Forest	760	388,600	271,000
Fren	4,280	2,192,800	1,530,000
Getty	400	452,700	67,900
Glenn-Castile	40	3,000	**
Grayburg-Jackson	15,960	18,381,000	19,100,000 *
Grayburg Keeley	240	149,600	131,000 *
High Lonesome	160	16,200	**
Leo	280	49,200	34,500
Loco Hills	10,080	8,210,000	6,150,000 *
Loco Hills (Queen)	40	6,000	4,800 *
Lusk, West	80	3,900	**
Malaga	880	697,900	279,000
McMillan	360	330,000	33,000
McMillan, Seven Rivers	80	7,600	**
Millman (Grayburg)	40	2,000	**
Nichols	360	135,500	108,000 *
P. C. A.	360	100,000	20,000
Premier	2,560	781,000	625,000 *
Red Lake	4,840	1,640,000	1,150,000
Robinson	1,280	841,000	590,000
Russell	680	482,000	193,000
Santo Nino	120	15,000	**
Shugart	440	521,000	312,000
Shugart, North	1,520	381,000	260,000

* Marketable gas reserve

** Associated gas reserve insignificant

STATE OF NEW MEXICO

OIL RESERVES

SOUTHEAST NEW MEXICO (Continued)

POOL	PROVEN PRODUCTIVE ACRES	<u>RECOVERABLE RESERVES</u>	
		OIL	ASSOCIATED GAS
Square Lake	9,680	5,630,000	4,400,000
Turkey Track	640	203,000	61,000
Turkey Track, East	120	44,100	17,600
Turkey Track, Seven Rivers	440	25,000	8,000
Turkey Track, West	120	2,000	**

** Associated gas reserve insignificant

Total Reserve - Southeast New Mexico	726,209,825	549,419,600
Total Reserve - State of New Mexico	731,342,825	552,607,600
Marketable Associated Gas		367,714,200

STATE OF NEW MEXICO

OIL RESERVES

SOUTHEAST NEW MEXICO (Continued)

POOL	PROVEN PRODUCTIVE ACRES	<u>RECOVERABLE RESERVES</u>	
		OIL	ASSOCIATED GAS
Watkins	320	45,000	33,700
Watkins Grayburg	40	28,800	28,800
Weir	40	31,000	42,500 *
White Ranch Siluro Dev.	80	1,960,000	345,000
Wilson	2,080	4,906,000	1,240,000
Wilson, North	40	23,600	5,900
Wilson, West	400	489,000	171,000
Young	240	405,000	304,000

* Marketable gas reserve.