

MONUMENT-EUNICE-JALMAT TREND AMONG MAJOR NORTH AMERICAN GAS FIELDS RANKED BY INITIAL RECOVERABLE RESERVES

TABLE 1. Initial Recoverable Reserves of Major Gas Fields in the United States, 1960

Field	State	Initial Recoverable Reserves (Trillion Cubic Feet)
Panhandle-Hugoton	OK, TX	70.0
San Juan (All Pools)	N.M.	13.7
Monument-Eunice-Jalmat	N.M., TX	9.8
Monroe	LA	7.0
Carthage	TX	7.0

BEFORE EXAMINER CATTANACH
Oil Conservation Division
Exhibit No. 5
Case No. 10111

Field	Initial Recoverable Reserves
1. Panhandle-Hugoton (KAN-OK-TX)	70.0
2. San Juan (All Pools) (N.M.-CO)	13.7
3. *Monument-Eunice- Jalmat (N.M.)	9.8
4. Monroe (LA)	7.0
5. Carthage (TX)	7.0

*Includes shallow Permian pays; Jal, Matlix, Eunice, Monument, and other combined smaller fields.

Source: NATURAL GASES OF NORTH AMERICA.
Beebie, B.W. & Curtis, B.F.

NATURAL GASES OF NORTH AMERICA—A SUMMARY¹

B. W. BEEBE² AND BRUCE F. CURTIS³
Boulder, Colorado

TABLE XXI. GIANT GAS FIELDS⁴ OF NORTH AMERICA LISTED BY SIZE

Field	State or Province	Date of Discovery	Producing Zones	Depth Range (ft)	1945 Production (bbl)	Initial Rec. (Tcf)	Comm. Prod. (Tcf)	Res. Rec. (Tcf)	Type of Gas	Trap	No. Gas Wells	Remarks
Panhandle-Hugoton San Juan (all pools) Monument-Eocene-Jalmat Trend	Kan.-Okla.-Texas New Mex.-Colo. New Mexico, S.E.	1918 1927 1927	Perm. (Wool.) U. Cret. U. Perm.	2,300-2,900 90-8,100 2,700-3,700	1,465 450 129	70.0 13.7 9.8	45.0 3.9 0.7	23.0 9.8 3.1	N-A Mostly N-A All	Strat. and strat. Strat. Anticline and comb.	9,423 6,516 840	Texas pool is structural Little Cret. Includes shallow Perm. pays; Jal. Matlix, Janice, Monument, and other smaller fields are combined
Monroe Cartilage	La., N. Texas, E.	1916 1936	L. Ter., Cret., Jur. Cret.	1,300-9,000 2,100-6,500	95 178	7.0 6.0	6.2 5.1	0.8 0.9	N-A Mostly N-A	Dome Strat. and strat.	3,463 691	7 pays; permeability pinch-out on huge nose; gas cond. Gas cond.; huge cycling project faulted; 9 gas pays; considerable gas cond.
Katy Old Ocean	Texas Gulf Coast Texas Gulf Coast	1935 1934	L. Ter. Ter.	6,400-7,400 8,500-11,200	177 111	6.0 5.0	0.7 1.6	5.3 3.4	All Mostly N-A	Anticline Deep-seated salt dome	55 94	Gas cond.; 9 gas pays; considerable gas cond.
Della, W., Mtk. 27 Gomez	La. offshore Texas, W.	1949 1963	M. Ter. Ord.	8,100-15,800 20,000-22,000	86 negl.	4.3 4.0	0.1 negl.	4.2 4.0	Mostly N-A N-A	Faulted anticline Faulted closed anticline	56 6	12 pays; little Cret. gas cond. Development rapid; 17 wells end of 1966; proved reserves probably 1-1.5 Tcf
Laverne-Mocane	Okla., N.W., and Panh. Alberta La., S. Alberta	1952 1952 1941 1957	Perm., Penn., Miss. L. Cret., Miss., Dev. M. Ter. U. and L. Cret., Jur., Miss.	3,100-7,600 6,700-8,500 4,300-15,300 3,000-6,400	168 60 105 40	3.8 3.4 3.3 3.2	1.1 0.2 0.4 0.2	2.7 3.2 2.9 3.0	N-A N-A All	Strat. Strat. Faulted anticline Strat.	1,037 29 62 12	Multiple pays 15 Mef sol.; gas cond.; 4 pays Several hundred oil wells; 900 Mef sol. Cret. from Canadian-U. Cret.; some N-A; 5 pays Gas cond.; oil and gas field; 24 pays--14 dry, 10 Cret.
Rodessa	Ark.-La.-Texas	1940	Cret., Jur.	5,300-10,800	6.5	3.2	0.8	2.4	N-A	Faulted anticline	102	Gas cond.; oil and gas field; 24 pays--14 dry, 10 Cret.
Rio Vista Coyanosa Golden Trend	Calif., Cent. Texas, W. Okla., S. Cent.	1936 1959 1945	U. Cret., L. Ter. Perm., Penn., Dev., Ord. Perm., Dev., Ord.	3,700-9,000 4,700-15,000 5,100-11,200	53 34 102	3.1 3.0 3.0	2.3 negl. 2.6	0.8 3.0 0.1	N-A N-A Mostly Cret	Dome Closed anticline Mostly strat., some strat.	157 30 —	8 pays First prod. in 1965 Some N-A; oil field
Citela-Tom O'Connor	Texas, S.	1933	Ter.	1,700-7,800	94	3.0	1.5	1.5	N-A, Cret	Deep-seated salt dome, strat.	219	43 pays N-A, 9 Cret.; 462 Mef Cret included
Kellerman-N. Dome La Gloria Big Tuley Jose Colon-Chilapilla Lake Arthur	Calif., Cent. Texas, S. Wyoming Mexico La., S.	1928 1939 1938 1951 1937	Ter. Ter. L. Ter., Cret. M. Ter. M. and L. Ter.	8,300-11,400 5,200-9,800 900-9,700 5,200-8,000 8,500-15,800	40 91 41 185 100	3.0 2.9 2.8 2.8 2.8	2.7 1.0 0.4 1.0 1.0	0.3 1.9 2.4 1.8 1.8	Cret All N-A Mostly N-A N-A, Cret	Dome Anticline Strat. Faulted salt dome Elongate dome	— 81 n.b. 79 57	Oil prod. unimportant; anticline closure, N-S elongate, with assoc. regional syndepositional faults Gas and oil field; probably deep-seated salt dome
Batemann Lake	La., S.	1937	Ter.	8,700-12,800	31	2.5	0.3	2.2	N-A, Cret	Elongate dome	21	Gas and oil field; probably deep-seated salt dome
Hayou Sicle	La., S.	1940	U. and M. Ter.	4,500-14,500	103	2.5	0.4	2.1	N-A, Cret	Deep-seated salt dome	36	Gas and oil field
Bellamy-Waskom Borregos Chickadee Hayou	Texas, E., La., N. Texas, S. Texas Gulf Coast	1916 1935 1939	Cret., U. Jur. Ter. Ter.	1,000-6,500 5,150-9,500 8,700-14,800	89 133 67	2.5 2.5 2.5	1.8 0.6 1.7	0.7 1.9 0.8	N-A, Cret All All	Dome Faulted anticline Deep-seated salt dome	586 46 68	At least 30 gas or gas-cond. pays Dry gas prod. reported from 13 pays; Cret from 6 pays, 1965
Pelton Fickett	Alberia Texas, W.	1963 1952	U. Cret., Miss. Perm., Penn., Dev., Ord.	5,800-9,100 10,400-14,600	3 64	2.5 2.5	negl. 0.6	2.5 1.9	N-A N-A	Strat. Closed anticline	32 57	Gas cond., 2 pays Pipeline gas; now gas 60% CO ₂ ; raw gas estimated 4.2 Tcf
Silgo	La., N.	1922	Cret., U. Jur.	830-7,900	77	2.5	1.7	0.8	N-A	Faulted dome	241	Gas and oil fields; some Cret; 14 pays
Stripton	Texas, S.	1937	Ter.	500-7,800	73	2.5	1.9	0.6	All	Anticline	154	

¹ Initial recoverable reserves of 1 trillion cu ft or more.