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**WEBER RESERVOIR
RANGELY FIELD
Rio Blanco County, Colorado**

REPORT ON:

1. Pore Volume Determinations.
2. Original Stock Tank Oil in Place.
3. Recoverable Stock Tank Oil
Originally in Place.
4. Benefits of Unitization.

**RANGELY FIELD WORKING INTEREST OWNERS
ENGINEERING COMMITTEE**

February, 1949



01136303

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RANGELY FIELD WORKING INTEREST OWNERS
ENGINEERING COMMITTEE

FEBRUARY 1949

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Casper, Wyoming
February 21, 1949

Committee of Rangely
Working Interest Owners

Attention: Mr. J. F. Cullen
Chairman

Gentlemen:

In accordance with instructions, the Engineering
Committee submits herewith a report covering the following:

1. A revision of the joint California-Stanolind
report under date of July, 1948, "Pore Volume
Determinations - Weber Reservoir - Rangely
Field."
2. Estimations of original oil and gas in place by
tracts.
3. Estimations of original recoverable oil in place
by tracts.
4. A brief report outlining benefits which reason-
ably may be expected through unitization of
the field.

The appended data and maps are submitted with
concurrence of the undersigned, with the reservation of one
member of the Committee, as pointed out in the body of the
report regarding the recovery of oil contained in the reservoir
in the lower ranges of permeability. The data submitted here-
with will provide a basis for consideration of unitization of
the Weber Sand Reservoir, Rangely Field, Colorado.

Yours very truly,

J. H. Barnett
J. H. Barnett, Chairman

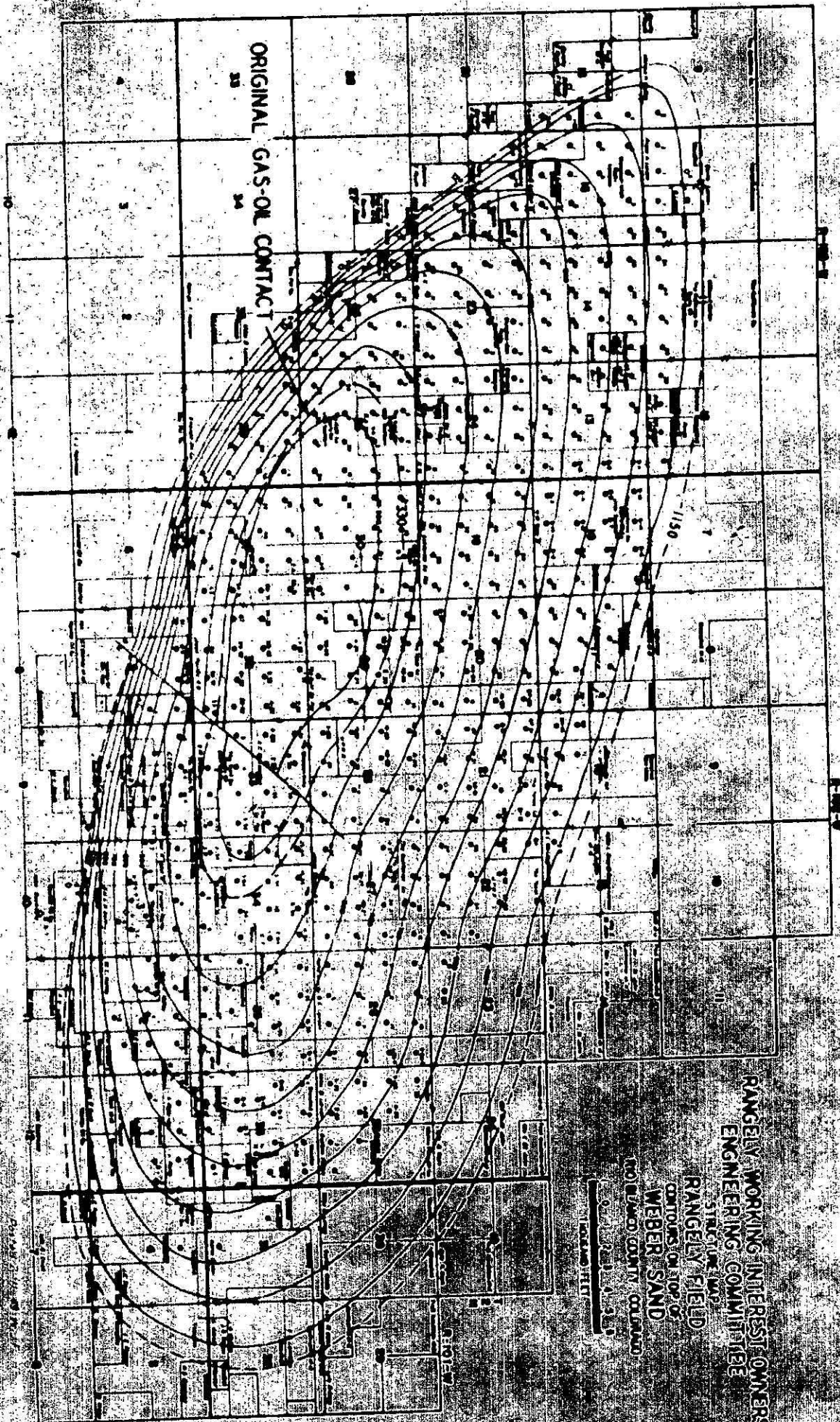
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January 2, 1951

CORRECTIONS MADE IN TABLE VI-B,
RECOVERABLE STOCK TANK OIL
ORIGINALLY IN PLACE, 1949 REPORT,
RANGELY FIELD

The attached is a tabulation of the corrections made in Table VI-B, Recoverable Stock Tank Oil Originally in Place, Engineering Committee Report of February, 1949.

In this table the reserves of Phillips and Wasatch have been combined under Phillips. "Others" includes Continental, Newton Oil, Wichita River and others as reported in the 1949 report.

Tracts 1-32-4, 1-32-8 and 1-32-9 were erroneously included in the Developed Area in the 1949 report. The 40 acres in which Rooth #2 (Continental) is completed was also previously shown as being in the Developed Area. The reserves under these four tracts have been omitted from the attached tabulation.

Since F. A. Larson 1-16 (Phillips) has been plugged and abandoned, it has also been eliminated from the Developed Area; however, credit has been given for its cumulative production prior to being abandoned.

Emerald #144 (Calco) was completed subsequent to the 1949 report, and therefore the 40 acres on which it was drilled has been added to the Developed Area.

Although Tract 2-4-1 is owned by Stanolind, it is operated by The Texas Company as part of a drilling unit. The reserves under this tract have been taken from the Stanolind reserves and added to the Texas Company total.

An adjustment was also made in the reserves of Tract 2-23-2 (Phillips) which are in error in the 1949 report.

An error was detected in the capacity map which shows the capacity of M. B. Larson B-1 to be 1312 md. feet. The Core Laboratories' report shows the capacity to be 13,181 md. feet. This corrected value was used at the Engineering Committee Meeting in estimating the theoretical capacity for the five-year production forecast.

W. H. ASHBY

WHA/rs
attach.

CORRECTIONS MADE IN 1949 REPORT OF ORIGINAL RECOVERABLE
STOCK TANK OIL IN PLACE

	Kw5 md.	Kw3 md.	Kw1 md.	Kw0.1 md.
California, Reserves in 1949 Report	133,680,847	154,284,135	193,520,973	221,024,755
Emerald #44 developed area added	130,284	152,885	194,614	237,657
New Original Reserves	133,811,131	154,437,020	193,715,587	221,262,412
Phillips-Wasatch, Reserves in 1949 Report	21,055,822	25,977,378	35,124,586	44,471,044
Correction applied to Tract 2-23-2	1,091,245	1,063,704	1,701,946	2,306,919
F. A. Larson 1-16 eliminated from developed area (P & A)	140,342	140,342	157,577	157,577
Cumulative Prod. of F. A. Larson 1-16 prior to P & A	6,089	6,089	6,089	6,089
New Original Reserves	19,830,324	24,779,421	33,271,152	42,012,639
Stanolind, Reserves in 1949 Report	51,875,387	60,886,978	80,376,995	99,077,410
Tract 2-4-1 deducted from Stanolind and added to Texas	77,251	100,630	180,261	277,511
Tract 1-32-4) (Erroneously included in developed	118,196	133,349	173,550	218,959
Tract 1-32-9) (area in 1949 report	18,421	32,432	35,019	40,586
New Total	51,661,519	60,629,567	79,988,165	98,540,354
Texas, Reserves in 1949 Report	39,349,696	49,294,916	68,226,586	90,890,313
Tract 214-1 added to Texas and deducted from Stanolind	77,251	100,630	180,261	277,511
New Original Reserves	39,426,947	49,395,546	68,406,847	91,167,824

(cont'd)
CORRECTIONS MADE IN 1949 REPORT OF ORIGINAL RECOVERABLE
STOCK TANK OIL IN PLACE

	<u>Kg 5 wd.</u>	<u>Kg 3 wd.</u>	<u>Kg 1 wd.</u>	<u>Kg 0.1 wd.</u>
Others, Reserves in 1949 Report	1,601,210	2,125,983	3,204,706	4,522,680
Tract 1-32-8 (J.E. Pepper) erroneously included in developed area in 1949 report	26,998	30,428	39,184	45,925
Root #2 (Continental) eliminated from developed area	189,288	204,793	259,313	302,185
New Original Reserves	1,384,924	1,890,762	2,906,209	4,174,570

SUMMARY

The Engineering Committee of the Rangely Field Working Interest Owners has prepared estimates by tracts of Reservoir Pore Volume, Original Stock Tank Oil in Place and Recoverable Stock Tank Oil Originally in Place, based on a reservoir study covering a period of six weeks. The study was based upon the structural map and the porosity acre feet data which are presented in the joint engineering report by Stanolind and the California Company entitled, "Pore Volume Determinations - Weber Reservoir", dated July, 1948, with the revisions in reservoir pore volume distribution in the vicinity of Sections 26 and 27, T2N, R102W, which are described in this report. Each of the tabulations of Porosity Acre Feet, Original Stock Tank Oil in Place and Original Recoverable Oil is presented to show the effect of assuming either 5.0, 3.0, 1.0 and 0.1 millidarcys as the limiting minimum permeability for the Weber Reservoir. This procedure follows the precedence of the Pore Volume Report.

It was the Committee's conclusion that the Weber Reservoir will perform under essentially volumetric control throughout its productive life with only negligible benefits being derived from possible water influx and gravity drainage. The average oil-water contact is considered to be at a subsea elevation of 1150' and the initial gas-oil contact to have been at an elevation of 330' subsea. In the present report, the original free gas in the gas cap area is treated independently of the oil zone rather than following the concept of "Equivalent Oil Sand", which was employed in the Pore Volume Report.

The present state of development of the Weber Reservoir does not include some rather large undrilled areas above the assumed water-oil contact of -1150'. For this reason, figures are presented, which indicate, for each tract, its Porosity Acre Feet, The Original Stock Tank Oil in Place and Original Recoverable Oil, both for the total field above the -1150' contour, and also within the developed area of the field, which is represented by the green outline on the structural map contained at the front of this report. In general, the delineation of the developed area was made to conform to developed 40-acre tracts, but the irregularity of the surveys, particularly in the southern part of the field, required some minor deviations from this principle.

The designation of Tract Numbers in this report follows the method described on Page 127 of the Pore Volume Report. In brief, the Tract Number contains three numbers separated by dashes, which represent the Range, Section and Tract in that order. On the Isovol Maps, only the last number of the Tract Number is indicated, since the range and section in which the particular tract is located are readily apparent.

TABLE 1
SUMMARY OF PROJECTIONS
WATER RESOURCES

Per Foot of Reservoir From Values in the Oil Zone

Description	Acreage	TOTAL FUND				Acreage	DEVELOPED AREA			
		Minimum Limiting Permeability					Minimum Limiting Permeability			
		1.5 ML	2.5 ML	3.0 ML	4.0 ML		1.5 ML	2.5 ML	3.0 ML	4.0 ML
California	34.9902	51.4090	49.9149	47.4881	43.6342	41.1984	52.8752	51.3954	49.1339	45.3848
Continental	2.5328	.5507	.5226	.5212	.5343	.4095	.2289	.2967	.1895	.1928
Houston	1.8405	.4318	.3416	.6676	.8412	.8328	.3889	.3998	.4811	.6641
Phillips	5.4077	4.7811	5.0113	5.0634	5.1526	4.6488	4.8644	5.1885	5.1977	5.2778
Sharples	2.7216	2.0634	2.1212	2.4143	5.1399	3.5125	2.1504	2.2573	2.3371	3.3897
Stanolind	27.1982	20.9718	20.9227	21.3815	21.7974	20.3371	20.4245	20.3788	20.6861	21.0889
Texas	14.9161	13.1417	16.1007	17.0372	18.9152	17.8845	15.6381	16.6448	17.7898	19.6472
Wassatch	8.1985	4.1154	4.2612	4.7289	5.2088	5.1378	3.4348	3.5232	3.9204	4.2646
Wichita River	1.9050	.4785	.5469	.6184	.7445	.8040	.0773	.1300	.1734	.1412
Others	.01284	.0540	.0519	.0282	.0228	.2111	.0120	.0157	.0287	.0200
Totals	100.00000	100.0000	100.0000	100.0000	100.0000	100.0000	100.0000	100.0000	100.0000	100.0000

Per Foot of Original Stock Tank Oil in Place

Operator	TOTAL FIELD				Operator	DEVELOPED AREA			
	Minimum Limiting Permeability					Minimum Limiting Permeability			
	1.5 ML	2.5 ML	3.0 ML	4.0 ML		1.5 ML	2.5 ML	3.0 ML	4.0 ML
California	51.3917	50.2852	48.2189	44.9575	California	52.9801	51.3862	49.3488	46.3125
Continental	.4799	.4481	.4280	.4050	Continental	.2093	.1823	.1674	.1677
Houston	.4163	.5057	.7933	.7380	Houston	.3112	.3911	.4650	.6183
Phillips	4.7207	4.9260	4.8851	4.9311	Phillips	4.7929	5.0045	4.9999	5.0205
Sharples	2.1676	2.2424	2.5575	3.2648	Sharples	2.2433	2.3244	2.6460	3.3972
Stanolind	20.9998	20.5152	20.8455	21.0800	Stanolind	20.1090	20.0272	20.2672	20.5284
Texas	15.5105	16.4245	17.4268	19.1755	Texas	15.9428	16.8903	17.9332	19.7344
Wassatch	4.0254	4.1243	4.4771	4.8090	Wassatch	3.4028	3.4820	3.8208	4.1013
Wichita River	.4443	.4895	.5299	.6008	Wichita River	.0744	.0998	.1462	.1329
Others	.0436	.0291	.0272	.0283	Others	.0122	.0120	.0125	.0120
Totals	100.0000	100.0000	100.0000	100.0000	Totals	100.0000	100.0000	100.0000	100.0000

Per Foot of Recoverable Stock Tank Oil Originally in Place

Operator	TOTAL FUND				Operator	DEVELOPED AREA			
	Minimum Limiting Permeability					Minimum Limiting Permeability			
	1.5 ML	2.5 ML	3.0 ML	4.0 ML		1.5 ML	2.5 ML	3.0 ML	4.0 ML
California	51.4710	50.1449	48.1222	45.0889	California	52.8653	51.3867	49.6887	46.5438
Continental	.5298	.4939	.4767	.4399	Continental	.2285	.2998	.1853	.1871
Houston	.4296	.5194	.6108	.7525	Houston	.3125	.3914	.4659	.6164
Phillips	4.8333	5.0311	5.0880	5.0804	Phillips	4.9127	5.1204	5.1008	5.1845
Sharples	2.0200	2.0908	2.3753	3.0008	Sharples	2.0998	2.1768	2.4774	3.1352
Stanolind	20.9764	20.8703	21.2108	21.4448	Stanolind	20.5146	20.3983	20.6032	20.8639
Texas	15.1049	15.9821	16.9430	18.9544	Texas	15.2612	16.4824	17.4887	19.1399
Wassatch	4.1032	4.2719	4.6245	4.9444	Wassatch	3.4148	3.4652	3.8998	4.1783
Wichita River	.4798	.5288	.5757	.6560	Wichita River	.0787	.1099	.1562	.1333
Others	.0426	.0444	.0435	.0445	Others	.0136	.0115	.0110	.0116
Totals	100.0000	100.0000	100.0000	100.0000	Totals	100.0000	100.0000	100.0000	100.0000

TABLE II-A
SUMMARY
RESERVOIR PORE VOLUME IN THE OIL ZONE

TOTAL FIELD

Operator	Acres with- in - 1150 Weber Contour	Permeability Range ≥ 5 md.		Permeability Range ≥ 3 md.		Permeability Range ≥ 1 md.		Permeability Range ≥ 0.1 md.	
		Percent Acreage	Porosity Acre Ft.	Percent Acre Ft.	Porosity Acre Ft.	Percent Acre Ft.	Porosity Acre Ft.	Percent Acre Ft.	Porosity Acre Ft.
California	8,910.12	34.9902	12,582,779	51.4090	14,870,912	49.9169	19,578,672	47.4881	23,317,000
Continental	644.96	2.5328	134,794	5507	155,694	55226	214,887	5212	285,503
Newton	417.75	1.6405	105,684	4318	162,242	5446	275,223	6675	451,121
Phillips	1,377.04	5.4077	1,170,228	4,7811	1,492,944	5,0119	2,087,664	5,0636	2,753,398
Sharples	93.04	2.7216	505,073	2,0636	631,910	2,1212	895,376	2,4143	1,675,736
Stanolind	6,925.91	27.1982	5,133,028	20,9718	6,233,156	20,9227	815,236	21,3815	11,526,704
Texas	3,798.32	14.9161	3,706,069	15,1417	4,796,628	16,1007	7,032,436	17,0572	10,107,787
Wesatch	2,077.54	8.1585	1,007,369	4,6158	1,269,478	4,2612	1,919,663	4,7289	2,783,454
Wichita River	485.10	1.9050	117,109	4,3785	162,923	3,5169	254,973	6,1164	398,810
Others	134.82	.5294	13,713	3,0550	15,465	3,0519	24,381	3,0592	37,913
TOTALS	25,464.60	100.0000	24,475,846	100.0000	29,791,357	100.0000	41,228,571	100.0000	53,437,426

TABLE II-B
TERTIARY
RESERVOIR PORE VOLUME IN THE OIL ZONE

DEVELOPED AREA

Operator	Acres	Permeability Range ≥ 5 md.		Permeability Range ≥ 3 md.		Permeability Range ≥ 1 md.		Permeability Range ≥ 0.1 md.	
		Percent Increase	Porosity Acres Ft. Percent	Porosity Acres Ft. Percent	Porosity Acres Ft. Percent	Porosity Acres Ft. Percent	Porosity Acres Ft. Percent	Porosity Acres Ft. Percent	Porosity Acres Ft. Percent
California	8,120.72	41.1584	124,189.54	52.8752	125,471.15	51.3954	192,763.99	49.1330	229,780.38
Continental	80.00	.4055	536.74	.2285	550.56	.1967	727.64	.1855	891.14
Newton	164.32	.1328	724.47	.3085	1,133.65	.3978	1,887.41	.4811	3,372.26
Phillips	920.00	4.6628	11,429.92	4.8664	14,558.03	5.1033	20,227.45	5.1557	26,728.34
Sharoles	693.04	3.5125	5,050.73	2.1504	6,319.10	2.2173	9,53.76	2.5371	16,757.36
Stenolind	4,999.12	25.3371	47,971.55	20.4245	58,077.36	20.3788	81,157.91	20.6861	106,770.51
Texas	3,528.68	17.8845	35,729.46	15.6371	47,438.65	16.6538	69,477.88	17.7090	99,474.02
Wesatch	1,017.49	5.1570	8,023.94	3.4163	10,012.26	3.5132	15,380.90	3.9204	21,611.82
Wichita River	165.00	.8363	181.09	.9771	313.55	.1100	680.22	.1734	715.10
Others	42.06	.2131	35.39	.0150	44.69	.0157	73.57	.0157	101.52
TOTALS	19,730.43	100.0000	234,873.03	100.0000	284,989.00	100.0000	392,330.73	100.0000	506,302.45

TABLE III
SUMMARY

30-100% TOE VOLUME IN GAS CAP ZONE

TOTAL FIELD AND DEVELOPED AREA

Operator	Permeability Range ≥ 5 md. Porosity		Permeability Range ≥ 1 md. Porosity		Permeability Range ≥ 0.1 md. Porosity	
	Acre Feet	Percent	Acre Feet	Percent	Acre Feet	Percent
California	2,057.00	67.2016	2,448.30	67.4610	3,092.80	68.4793
Sherples	435.17	14.2168	481.20	13.2591	594.47	12.9411
Stanolind	81	.0265	81	.0223	1.30	.0288
Texas	556.38	18.1768	556.41	18.9135	820.67	17.1709
Wesatch	11.53	.3783	12.49	.3441	17.16	.3799
TOTALS	3,060.94	100.0000	3,629.21	100.0000	4,516.40	100.0000
					6,184.05	100.0000

TABLE IV-A
ORIGINAL STOCK TANK OIL IN PLACE

TOTAL FIELD

Operator	Permeability ≥ 5 Md.		Permeability ≥ 3 Md.		Permeability ≥ 1.5 Md.		Permeability ≥ 0.5 Md.	
	Barrels	Per Cent	Barrels	Per Cent	Barrels	Per Cent	Barrels	Per Cent
California	628,968,823	151.5917	729,110,354	50.2852	926,007,925	48.2169	1,066,574,253	44.9575
Continental	5,850,179	.4799	6,497,548	.4481	8,219,064	.4280	9,608,579	.4090
Newton Oil	5,075,343	.4163	7,332,229	.5057	11,393,301	.5933	17,507,276	.7380
Phillips	57,551,647	4.7207	71,424,676	4.3260	93,813,793	4.8851	116,985,834	4.9711
Sharples	26,425,356	2.1676	32,513,253	2.2424	49,114,761	2.5575	77,501,575	3.2668
Stanolind	251,137,872	20.5998	297,459,959	20.5152	400,322,582	20.8455	500,102,073	21.0800
Texas	189,092,895	15.5105	238,146,600	16.4245	334,669,294	17.4268	454,873,703	19.3175
Vesatch	49,077,196	4.0256	59,799,723	4.1243	85,978,136	4.4771	114,067,991	4.8090
Wichita River	5,416,548	.4443	7,097,356	.4895	10,176,983	.5299	14,253,188	.6008
Others	532,038	.0436	567,204	.0391	727,710	.0379	909,629	.0383
TOTALS	1,219,127,897	100.0000	1,449,948,902	100.0000	1,920,423,549	100.0000	2,372,404,101	100.0000

TABLE IV-B
ORIGINAL STOCK TANK OIL IN PLACE

RECOVERED AREA

Operator	Permeability ≥ 5 Md. Barrels Per Cent	Permeability ≥ 3 Md. Barrels Per Cent	Permeability ≥ 1 Md. Barrels Per Cent	Permeability ≥ 0.1 Md. Barrels Per Cent
California	622,584,495	42.9001	721,510,422	51.5862
Continental	2,463,637	.2093	2,549,399	.1823
Newton Oil	3,662,417	.3112	5,470,509	.3911
Phillips	56,429,482	4.7929	69,993,733	5.7045
Sharoles	28,425,356	2.2453	42,413,253	2.3246
Stanolind	236,663,269	20.1090	280,109,540	20.0272
Texas	187,632,187	15.9428	236,236,597	16.8973
Vasatch	40,048,318	3.4028	48,701,552	3.4823
Wichita River	875,873	.0744	1,395,721	.0998
Others	142,642	.0122	168,031	.0120
TOTALS	1,176,906,676	100.0000	1,398,650,767	100.0000
			1,849,170,266	100.0000
			2,281,314,196	100.0000

TABLE V

ORIGINAL FREE GAS IN PLACE IN GAS CAP ZONE
 REFERRED TO 15.025 PSIA AND 60°F.

TOTAL FIELD AND DEVELOPED AREA

Operator	Permeability ≤ 5 Md.		Permeability ≥ 1 Md.		Permeability ≥ 10 Md.	
	Std. MCF	Per Cent	Std. MCF	Per Cent	Std. MCF	Per Cent
California	11,714,671	67.2017	13,807,343	67.4476	17,119,429	68.3942
Sharnles	2,478,294	14.2168	2,724,462	13.3087	3,254,242	13.0011
Stanolind	4,613	.0265	4,613	.0225	7,080	.0283
Texas	3,168,584	18.1767	3,463,985	18.8753	4,554,945	18.1976
Vasatch	65,948	.3783	70,814	.3459	94,814	.3788
TOTALS	17,432,110	100.0000	20,471,217	100.0000	25,030,510	100.0000
					32,990,884	100.0000

TABLE VI-A
RECOVERABLE STOCK TANK OIL ORIGINALLY IN PLACE

Operator	TOTAL FIELD					
	Permeability ≥ 5 Md. Barrels	Per Cent	Permeability ≥ 3 Md. Barrels	Per Cent	Permeability ≥ 1 Md. Barrels	Permeability ≥ 0.1 Md. Barrels
California	135,248,403	51.4710	155,146,893	50.1649	195,808,293	223,463,219
Continental	1,392,141	.5298	1,543,636	.4959	1,939,606	2,262,081
Newton Oil	1,129,281	.4298	1,617,476	.5196	2,483,337	3,733,633
Phillips	12,700,299	4.8333	15,660,268	5.0311	20,418,304	25,222,829
Sherples	5,307,912	2.0200	6,507,887	2.0908	9,664,929	14,888,430
Stanolind	55,119,398	20.9766	64,962,089	20.8703	86,306,452	106,399,681
Texas	39,695,717	15.1069	49,747,104	15.7821	68,940,582	92,059,935
Vasatch	10,781,804	4.1032	13,296,999	4.2719	18,817,170	24,650,978
Wichita River	1,260,829	.4798	1,645,920	.5288	2,342,385	3,254,860
Others	130,361	.0496	138,712	.0446	177,050	220,726
TOTALS	262,766,145	100.0000	311,266,984	100.0000	406,898,108	496,156,392
						100.0000

TABLE VI-8
RECOVERABLE STOCK TANK OIL ORIGINAL 4 1/2 IN PLACE

DEVELOPED AREA

OPERATOR	Permeability ≥ 5 Md.		Permeability ≥ 3 Md.		Permeability ≥ 1 Md.		Permeability ≥ 0.1 Md.	
	Barrels	Per Cent	Barrels	Per Cent	Barrels	Per Cent	Barrels	Per Cent
California	133,680,847	52.8653	154,284,135	51.5867	193,520,973	49.6057	221,024,755	46.5438
Continental	577,723	.2285	597,574	.1998	722,962	.1853	888,429	.1871
Newton Oil	789,785	.3123	1,171,242	.3916	1,817,649	.4699	2,927,055	.6164
Phillips	12,422,762	4.9127	15,214,649	5.1206	19,910,738	5.1038	24,629,212	5.2865
Sharples	3,507,912	2.0991	6,507,887	2.1760	9,664,929	2.4774	12,838,430	3.1552
Stanolind	51,875,387	20.5146	60,886,978	20.1583	80,376,995	20.6032	99,077,410	20.8639
Texas	39,349,696	15.5612	49,294,916	16.4824	68,226,586	17.4887	90,890,313	19.3399
Wasatch	8,633,060	3.4140	10,662,729	3.5552	15,213,848	3.8998	19,841,514	4.1783
Wichita River	199,224	.0787	316,773	.1059	609,294	.1562	842,625	.1753
Others	34,478	.0136	40,394	.0135	54,801	.0140	64,571	.0136
TOTALS	252,870,874	100.0000	299,077,277	100.0000	390,118,775	100.0000	474,874,634	100.0000

Others

577 723	697 574	722 962	988 429
789 785	1 171 242	1 817 649	2 927 055
199 224	316 773	609 294	642 625
344 78	403 94	549 01	645 71
<u>160 1210</u>	<u>212 5983</u>	<u>320 4706</u>	<u>4522 680</u>

**REVISION OF JOINT ENGINEERING REPORT BY STANOLIND
AND THE CALIFORNIA COMPANY, PORE VOLUME
DETERMINATIONS - WEBER RESERVOIR, DATED JULY, 1978**

The Pore Volume Report has been revised by the Engineering Committee to provide a more equitable allocation of the reservoir pore volume in the vicinity of the Phillips-Levison Tract, located in Sections 26 and 27, T2N, R102W. It was explained by the Phillips' representative that the cores from four wells on this lease, Phillips-Levison Nos. 1, 3, 10 and 11 were analyzed primarily for use as an aid in production operations, rather than for the estimation of reserves. Furthermore, very large sections of the recovered core were never sent to the Laboratory. The reports for these four cores do not record permeabilities of less than 0.3 millidarcy, although porosity was evaluated in all the permeability ranges, including the samples of less than 0.3 millidarcy. In the preparation of the original Pore Volume Report, all of the discarded cores and the core samples of less than 0.3 millidarcy were arbitrarily considered to have less than 0.1 millidarcy permeability.

The Engineering Committee agreed that on the basis of the other core analyses available from the Weber Reservoir, such an assumption resulted in an unduly low pore volume distribution in Sections 26 and 27 and the adjacent areas of the field. The Committee has concluded that the core analyses from Phillips-Levison Nos. 3 and 10 represent an inadequate footage of analyzed core to be considered representative of the section and these data were therefore eliminated. The analyses from Phillips-Levison Nos. 1 and 11 are considered to be representative of the whole section for the limiting minimum permeabilities of 5.0, 3.0 and 1.0 millidarcys and were employed accordingly. Since porosity determinations were available for the permeability range of 0.3 to 0.1 millidarcy for these cores, it was possible to establish a general correlation of permeability and porosity in this range by comparison with the core analyses from other neighboring wells. This permitted an adjustment of the core analyses of Levison Nos. 1 and 11 in the 0.3 to 0.1 millidarcy range of permeability to reflect a more representative indication of the pore volume distribution in that area of the reservoir.

Revised Isoval (not pay I porosity) Maps, Figures 1 through 4, were prepared by the Committee on the basis of these conclusions. These maps were contoured and the areas determined by planimeter in a manner similar to that employed in the preparation of the Pore Volume Report to obtain a revision of the acre foot of pore volume for the tracts which were affected. Table VII-A for the total field and Table VII-B for the developed area represent the Committee's revision of Table VII contained in the original Pore Volume Report.

TABLE VII-A
TABULATION BY TRACTS OF POROSITY - ACRE FEET

TRACT NO.	OPERATOR	ACRES	POROSITY ACRE FEET K ≥ 5 Millidarcys		POROSITY ACRE FEET K ≥ 3 Millidarcys		POROSITY ACRE FEET K ≥ 1 Millidarcy		POROSITY ACRE FEET K ≥ 0.1 Millidarcy	
			Oil	Gas	Oil	Gas	Oil	Gas	Oil	Gas
			Sand	Sand	Sand	Sand	Sand	Sand	Sand	Sand
1-5-1	Stanolind	2.21	0.11		0.14		0.21		0.26	
1-5-2	Stanolind	169.34	103.40		136.22		277.74		316.64	
1-5-3	Stanolind	6.47	8.41		11.00		21.35		25.26	
1-5-4	Wichita River	3.42	0.34		0.52		0.91		1.04	
1-6-1	Stanolind	32.24	78.67		113.30		210.28		232.01	
1-6-2	Wichita River	213.02	676.09		973.55		1670.22		2365.10	
1-6-3	Stanolind	6.47	36.88		46.74		84.76		114.12	
1-6-4	Wasatch	19.80	104.91		148.50		270.81		352.97	
1-6-5	Stanolind	196.56	369.36		554.01		1076.43		1223.49	
1-6-6	Wichita River	46.00	19.55		23.53		47.32		64.48	
1-6-7	Stanolind	107.87	191.77		265.45		491.62		675.95	
1-7-1	Lyster Cook	12.04	4.62		5.98		10.88		16.64	
1-7-2	Stanolind	11.59	2.32		3.89		6.52		11.47	
1-7-3	Fred Goodstein	26.35	12.72		19.54		34.98		58.73	
1-19-1	Fred Goodstein	0.22					0.01		0.02	
1-19-2	Wichita River	62.66	18.90		31.82		38.16		56.75	
1-29-1	Fred Goodstein	1.81	0.05		0.12		0.18		0.25	
1-29-2	Continental	84.40	25.32		26.49		32.43		59.76	
1-30-1	Stanolind	258.90	163.57		192.63		276.74		463.37	
1-30-2	Wasatch	315.20	349.98		501.73		754.39		1142.79	
1-31-1	Wasatch	89.78	172.52		197.24		288.00		503.70	
1-31-2	Continental	19.80	21.47		24.57		36.13		61.38	
1-31-3	Stanolind	37.83	123.43		134.49		211.01		354.31	
1-31-4	Stanolind	307.23	639.67		745.46		1207.36		1779.53	
1-31-5	Stanolind	40.32	56.45		68.99		104.83		165.43	
1-31-6	Stanolind	106.52	407.23		457.31		795.85		1151.22	
1-31-7	Stanolind	20.12	112.56		119.38		216.78		320.50	
1-31-8	Stanolind	13.00	74.73		90.35		162.50		224.68	
1-32-1	Stanolind	23.66	9.46		10.61		14.86		26.44	
1-32-2	Continental	81.02	32.82		45.66		67.23		114.83	

TABLE VII-A
TABULATION BY TRACTS OF POROSITY - ACRE FEET

TRACT NO.	OPERATOR	ACRES	POROSITY ACRE FEET K ≥ 5 Millidarcys		POROSITY ACRE FEET K ≥ 3 Millidarcys		POROSITY ACRE FEET K ≥ 1 Millidarcy		POROSITY ACRE FEET K ≥ 0.1 Millidarcy	
			Oil	Sand	Gas	Sand	Oil	Sand	Gas	Sand
1-32-4	Stanolind	184.23	120.02			144.76	225.13		345.59	
1-32-7	Stanolind	5.31	0.53			0.63	0.94		1.08	
1-32-8	J. E. Pepper	41.06	28.59			35.19	57.39		81.22	
1-32-9	Stanolind	13.78	17.91			37.21	41.34		52.66	
2-1-1	Stanolind	20.32	115.65			166.33	306.22		415.14	
2-1-2	Stanolind	93.32	598.27			834.94	1441.10		1934.75	
2-1-3	Stanolind	13.32	79.58			110.72	206.92		289.19	
2-1-4	Stanolind	6.73	46.59			66.19	111.04		153.05	
2-1-5	Stanolind	20.00	122.64			179.57	287.00		395.27	
2-1-6	Wasatch	59.14	342.90			511.42	928.27		1272.65	
2-1-7	Stanolind	234.11	1106.33			1677.96	2896.65		3672.07	
2-1-8	Stanolind	37.50	223.93			339.76	579.75		692.80	
2-1-9	Continental	73.06	181.23			270.32	487.39		504.00	
2-1-10	Newton	80.00	213.20			304.00	531.79		700.41	
2-1-11	L. E. Chase	1.00	6.80			9.50	16.18		20.30	
2-1-12	Stanolind	0.50	3.30			4.75	8.12		10.25	
2-2-1	Stanolind	18.82	119.41			172.54	302.35		395.29	
2-2-2	Stanolind	25.37	154.58			217.08	371.64		577.73	
2-2-3	Stanolind	7.32	70.34			89.59	155.23		224.08	
2-2-4	Stanolind	139.96	849.47			1135.58	2078.93		3072.51	
2-2-5	Stanolind	78.91	372.92			550.13	882.25		1178.53	
2-2-6	Stanolind	19.43	104.80			163.46	268.82		358.34	
2-2-7	Stanolind	78.93	208.37			356.24	593.30		838.86	
2-2-8	Newton	122.87	528.10			834.00	1401.56		2459.61	
2-2-9	Wasatch	109.59	208.43			324.22	615.66		989.55	
2-2-10	Stanolind	39.00	45.42			72.98	116.17		192.71	
2-3-1	Stanolind	109.14	1056.23			1345.55	2310.46		3389.31	
2-3-2	Stanolind	40.00	374.29			483.62	797.06		1350.37	
2-3-3	Stanolind	40.00	436.54			521.24	855.71		937.80	
2-3-4	Stanolind	17.57	256.77			283.44	353.37		523.75	

TABLE VII-A
TABULATION BY TRACTS OF POROSITY - ACRE FEET

TRACT NO.	OPERATOR	ACRES	POROSITY ACRE FEET K ≥ 5 Millidarcys		POROSITY ACRE FEET K ≥ 3 Millidarcys		POROSITY ACRE FEET K ≥ 1 Millidarcy		POROSITY ACRE FEET K ≥ 0.1 Millidarcy	
			Oil	Sand	Oil	Sand	Oil	Sand	Oil	Sand
2-3-5	Newton	35.08	185.13		285.07		460.23		865.22	
2-3-6	Wasatch	155.92	892.02		1321.72		2666.54		4256.81	
2-3-7	Stanolind	127.47	472.96		688.94		1273.57		1879.81	
2-3-8	Wasatch	105.65	153.06		250.99		462.83		801.32	
2-4-1	Stanolind	11.32	72.46		97.25		187.51		312.61	
2-4-2	Texas Co.	148.68	891.57		1188.11		2178.26		3288.95	
2-4-3	Stanolind	28.27	87.95		128.91		238.29		670.47	
2-4-4	Newton	6.37	11.24		14.58		25.62		47.43	
2-4-5	Stanolind	39.50	100.75		136.96		253.86		459.32	
2-4-6	Stanolind	39.51	136.86		217.89		421.52		543.39	
2-4-7	Stanolind	39.51	189.86		276.19		512.80		765.19	
2-4-8	Stanolind	39.50	282.67		346.37		575.27		866.13	
2-4-9	Stanolind	175.32	341.59		462.41		772.29		1135.82	
2-4-10	Stanolind	2.31	0.81		1.21		2.02		2.78	
2-4-11	Newton	11.28	3.95		6.60		9.43		13.30	
2-5-1	Stanolind	101.72	284.38		462.40		825.92		1348.25	
2-5-2	Texas Co.	177.59	341.17		525.32		1037.25		2046.45	
2-5-3	Texas Co.	62.69	84.82		133.57		240.90		424.16	
2-5-6	Stanolind	10.39	7.03		7.81		13.53		24.93	
2-6-1	Texas Co.	51.30	55.10		55.10		154.07		259.40	
2-6-2	California	91.90	71.06		111.33		227.51		328.21	
2-7-1	Stanolind	7.70	4.62		8.06		8.08		10.74	
2-7-2	California	111.90	226.16		275.32		344.22		391.47	
2-8-1	Stanolind	0.11	0.02		0.04		0.05		0.09	
2-10-1	Wasatch	28.48	13.29		19.82		38.29		54.42	
2-11-1	Wasatch	42.66	25.23		40.82		84.59		103.88	
2-11-2	Stanolind	35.47	8.87		10.87		25.34		41.07	
2-11-3	Newton	32.45	13.78		25.31		43.20		62.54	
2-12-1	Newton	129.70	101.44		152.86		280.40		362.70	
2-14-3	Phillips	0.11	0.01		0.01		0.01		0.01	
2-13-2	Stanolind	84.42	75.22		193.65		135.83		233.13	
2-13-2	Texas Co.	18.06					21.16		29.80	

TABLE VII-A
TABULATION BY TRACTS OF POROSITY - ACRE FEET

TRACT NO.	OPERATOR	ACRES	POROSITY ACRE FEET K ≥ 5 Millidarcys		POROSITY ACRE FEET K ≥ 3 Millidarcys		POROSITY ACRE FEET K ≥ 1 Millidarcy		POROSITY ACRE FEET K ≥ 0.1 Millidarcy	
			Oil	Gas	Oil	Gas	Oil	Gas	Oil	Gas
			Sand	Sand	Sand	Sand	Sand	Sand	Sand	Sand
2-15-5	Phillips	6.82	1.36		1.41		3.14		5.59	
2-16-2	Stanolind	35.65	34.31		44.50		66.14		102.08	
2-16-3	Stanolind	41.51	100.77		116.61		158.74		214.28	
2-16-4	Texas Co.	70.00	536.23		657.94		860.16		1118.51	
2-16-5	California	140.00	567.62		740.62		1290.51		1507.63	
2-16-6	Stanolind	65.15	171.11		232.63		305.60		334.29	
2-17-1	Stanolind	54.25	203.57		248.05		328.91		374.85	
2-17-2	Stanolind	74.93	122.76		161.23		173.97		225.94	
2-17-3	Stanolind	120.00	635.55		813.37		917.24		1102.30	
2-17-4	California	240.00	2733.77		3483.62		4000.78		4718.51	
2-17-5	Texas Co.	70.00	728.05		908.22		1042.11		1284.70	
2-18-1	Stanolind	80.00	465.21		496.89		638.62		776.12	
2-18-2	California	472.84	5935.17		6686.67		8247.11		9187.36	
2-18-3	California	80.00	1100.80		1179.54		1506.35		1768.31	
2-19-1	California	480.00	10138.42		11724.03		15816.06		18557.92	
2-19-2	California	152.84	3924.52		4336.64		5465.12		6357.41	
2-20-1	Texas Co.	80.00	1047.48		1340.11		1959.07		2532.13	
2-20-2	California	240.00	4022.08		4699.51		6198.36		7636.94	
2-20-3	Texas Co.	240.00	4100.94		4953.65		6433.80		8290.55	
2-20-4	California	80.00	1273.44		1622.75		2281.89		2706.47	
2-21-1	Texas Co.	440.00	4673.79		5817.57		8571.87		10929.90	
2-21-2	California	40.00	386.20		467.95		694.43		957.17	
2-21-3	California	80.00	1300.63		1588.95		2277.01		2567.40	
2-21-4	California	80.00	909.57		1141.38		1615.75		2433.88	
2-22-1	Phillips	160.00	609.36		732.27		1265.62		1679.12	
2-22-2	Texas Co.	160.00	407.35		723.82		967.87		1234.95	
2-22-3	Texas Co.	80.00	239.23		307.76		404.44		737.38	
2-22-4	California	240.00	1243.30		1828.48		2877.13		4255.00	
2-23-1	Wasatch	132.29	381.79		476.28		665.88		949.08	
2-23-2	Phillips	450.11	1678.02		1867.42		2814.08		3958.50	

TABLE VII-A
TABULATION BY TRACTS OF POROSITY - ACRE FEET

TRACT NO.	OPERATOR	ACRES	POROSITY ACRE FEET K = 5 Millidarcys		POROSITY ACRE FEET K = 3 Millidarcys		POROSITY ACRE FEET K = 1 Millidarcy		POROSITY ACRE FEET K = 0.1 Millidarcy	
			Oil	Sand	Gas	Sand	Oil	Sand	Gas	Sand
2-24-2	Continental	68.46	47.81	62.29		90.48		166.40		
2-24-3	Wasatch	120.00	432.69	505.60		709.31		1051.70		
2-24-4	J. E. Pepper	40.00	79.79	81.04		120.00		196.00		
2-24-5	Continental	146.42	196.38	251.64		308.91		495.89		
2-25-1	Wichita River	160.00	456.21	599.86		793.12		1500.73		
2-25-2	Wasatch	320.00	2170.58	2652.17		3790.80		5542.53		
2-25-3	Stanolind	160.00	619.41	785.73		1078.07		1475.31		
2-26-1	Wasatch	80.00	556.67	718.53		1167.67		1702.86		
2-26-2	Phillips	480.00	4672.47	6861.39		9343.21		13359.94		
2-26-3	Stanolind	80.00	612.07	774.97		1273.91		1715.36		
2-27-1	Phillips	160.00	2044.56	2594.03		4038.81		4508.02		
2-27-2	California	120.00	1377.53	1833.61		2659.79		3577.22		
2-27-3	Texas Co.	360.00	4641.18	6255.04		8662.15		12360.23		
2-28-1	California	320.00	4177.91	4994.80	.08	7183.30	.13	8693.79	.16	
2-28-2	Texas Co.	240.00	4283.24	5186.35	.01	6826.58	.02	8321.06	.02	
2-28-3	Sharples	80.00	928.65	1148.70	9.95	1582.53	12.96	2371.05	16.74	
2-29-1	California	200.00	2837.83	3592.57	125.79	5057.21	152.33	6929.64	221.04	
2-29-2	Texas Co.	320.00	4559.90	5745.44	209.56	7991.27	279.67	11018.70	388.76	
2-29-3	California	120.00	2116.62	2598.23	70.77	3422.55	94.74	4105.54	131.56	
2-30-1	California	160.00	2502.45	3104.42	105.03	4381.46	169.76	5176.57	263.40	
2-30-2	California	80.00	1451.73	1809.91	17.32	2501.46	23.93	2795.92	45.10	
2-30-3	California	312.64	5308.28	6445.83	574.19	8713.35	815.18	10193.71	978.94	
2-30-4	California	80.00	1050.19	1283.45	144.37	2004.48	234.23	2204.06	315.75	
2-31-1	Texas Co.	160.00	1067.66	1325.11	77.68	2282.26	157.79	3502.74	222.03	
2-31-2	California	80.00	685.07	861.01	112.16	1417.01	233.12	1723.66	325.59	
2-31-3	California	232.40	1757.81	2368.90	283.56	3652.23	449.93	4299.73	516.79	
2-31-4	California	160.00	586.67	863.74	2.51	1727.82	8.21	2356.59	10.51	
2-32-1	Sharples	160.00	1189.14	1505.53	252.84	2408.08	352.86	4766.64	296.51	
2-32-2	Texas Co.	480.00	2841.36	4040.07	260.37	6501.61	379.88	11896.37	578.76	
2-33-1	California	80.00	752.32	907.18	10.65	1451.52	15.82	2062.75	22.67	

TABLE VII-A
TABULATION BY TRACTS OF POROSITY - ACRE FEET

TRACT NO.	OPERATOR	ACRES	POROSITY ACRE FEET K ≥ 5 Millidarcys		POROSITY ACRE FEET K ≥ 3 Millidarcys		POROSITY ACRE FEET K ≥ 1 Millidarcy		POROSITY ACRE FEET K ≥ 0.1 Millidarcy	
			Oil	Gas	Oil	Gas	Oil	Gas	Oil	Gas
2-33-2	Sharples	240.00	1785.79	153.50	2217.32	156.79	3315.24	138.21	5493.49	323.27
2-33-3	California	240.00	1427.42	104.62	1876.34	104.65	3325.25	131.79	5066.67	259.89
2-33-4	Sharples	80.00	648.07	18.88	750.09	21.30	1562.06	30.44	2328.64	57.74
2-34-1	Texas Co.	320.00	3291.82	3.72	4438.25	4.39	7331.82	5.87	11220.00	10.08
2-34-2	Texas Co.	80.00	839.23	5.04	1049.94	5.57	1684.25	6.44	2477.38	10.84
2-34-3	Wasatch	80.00	719.21	11.58	875.62	12.49	1759.35	17.16	2581.50	31.82
2-34-4	Stanolind	121.81	1106.53		1520.93		2488.07	.01	3696.69	.01
2-34-5	Stanolind	38.25	401.56	.81	539.30	.81	889.12	1.29	1373.81	2.55
2-35-1	Stanolind	123.20	978.38		1277.73		2358.14		3209.40	
2-35-2	Texas Co.	240.00	2423.16		3301.40		5173.46		7904.51	
2-35-3	Stanolind	47.31	413.48		692.73		900.68		1289.47	
2-35-4	Stanolind	131.76	1176.34		1519.03		2537.45		3365.82	
2-35-5	Stanolind	97.23	642.35		840.95		1543.58		2509.40	
2-36-1	Sharples	133.04	499.08		697.46		1085.85		1797.54	
2-36-2	Stanolind	266.08	1670.14		2420.47		3995.01		5609.97	
2-36-3	Wasatch	53.04	231.77		276.72		453.47		727.55	
2-36-4	Stanolind	60.00	369.39		445.89		814.07		1141.07	
2-36-5	Stanolind	34.32	193.54		286.53		556.07		735.24	
2-36-6	Stanolind	26.00	130.42		197.75		386.95		576.63	
2-36-7	Stanolind	26.00	126.68		202.80		381.44		533.00	
2-36-8	Stanolind	41.52	283.49		331.13		610.45		822.94	
3-1-1	California	5.17	2.19		4.19		6.70		7.05	
3-9-1	California	151.46	396.29		462.02		517.06		597.56	
3-10-1	Cameron	11.44	2.29		2.87		3.43		5.16	
3-10-2	Stanolind	160.00	1073.90		1164.72		1317.28		1529.30	
3-10-3	Stanolind	40.00	114.47		125.82		129.01		173.65	
3-10-4	California	80.00	581.70		630.36		721.79		800.14	
3-10-5	Stanolind	40.00	331.46		357.52		399.68		458.00	
3-11-1	California	7.32	0.73		1.47		3.22		4.76	
3-11-2	California	320.00	1869.16		2341.96		2646.05		2918.55	

TABLE VII-A
TABULATION BY TRACTS OF POROSITY - ACRE FEET

TRACT NO.	OPERATOR	ACRES	POROSITY ACRE FEET K ≥ 5 Millidarcys		POROSITY ACRE FEET K ≥ 3 Millidarcys		POROSITY ACRE FEET K ≥ 1 Millidarcy		POROSITY ACRE FEET K ≥ 0.1 Millidarcy	
			Oil	Sand	Gas	Sand	Oil	Sand	Gas	Sand
3-12-2	California	76.12	355.01			389.75	500.50		504.78	
3-12-3	Stanolind	31.45	57.99			69.19	77.45		90.75	
3-12-4	Stanolind	26.74	46.64			69.31	83.61		95.80	
3-12-5	California	60.35	162.92			275.18	355.70		364.07	
3-12-6	Stanolind	40.00	270.02			321.84	386.43		419.73	
3-12-7	Stanolind	40.00	258.59			269.18	344.00		369.78	
3-13-1	California	120.00	1624.39			1957.68	2329.86		2610.01	
3-13-2	California	400.00	7597.10			8403.84	10052.89		10877.29	
3-13-3	Stanolind	40.00	513.92			523.79	628.21		690.03	
3-13-4	Phillips	40.00	708.69			722.96	876.77		946.18	
3-13-5	California	40.00	923.49			1049.48	1323.30		1455.01	
3-14-1	Stanolind	40.00	594.45			594.45	692.00		771.79	
3-14-2	California	560.00	13151.15			14474.54	16484.45		18086.27	
3-14-3	Phillips	40.00	876.67			858.88	968.00		1092.08	
3-15-1	California	160.00	3264.91			3713.23	4403.62		4804.46	
3-15-2	Stanolind	320.00	5286.31			5857.71	6727.55		7730.90	
3-15-3	Continental	80.00	536.74			560.56	727.64		991.14	
3-15-4	Stanolind	80.00	1124.47			1271.73	1510.25		2002.45	
3-16-1	California	113.06	614.27			651.35	799.28		880.32	
3-16-2	Continental	0.22	0.02			0.05	0.07		0.09	
3-16-6	Continental	14.57	17.08			19.89	26.00		26.93	
3-16-7	Wasatch	42.45	128.62			148.62	192.32		192.32	
3-22-1	Stanolind	40.00	892.73			1026.62	1221.50		1413.61	
3-22-2	Stanolind	40.00	667.23			742.49	893.83		1055.59	
3-22-3	Stanolind	74.30	581.25			601.49	738.86		912.58	
3-22-4	Continental	23.34	60.68			61.78	82.76		88.20	
3-22-5	Wasatch	80.00	1236.09			1698.15	1995.94		2278.43	
3-22-6	Stanolind	142.23	1815.52			2086.55	2579.06		2912.19	
3-22-8	Continental	11.59	39.03			40.10	41.76		46.06	
3-23-1	Stanolind	320.00	8406.84			9388.88	10995.84		13723.32	

TABLE VII-A
TABULATION BY TRACTS OF POROSITY - ACRE FEET

TRACT NO.	OPERATOR	ACRES	POROSITY ACRE FEET K ≥ 5 Millidarcys			POROSITY ACRE FEET K ≥ 3 Millidarcys			POROSITY ACRE FEET K ≥ 1 Millidarcy			POROSITY ACRE FEET K ≥ 0.1 Millidarcy		
			Oil	Gas	Sand	Oil	Gas	Sand	Oil	Gas	Sand	Oil	Gas	Sand
3-23-2	California	320.00	7477.01			8407.50			9925.60			11566.93		
3-24-1	California	160.00	4403.48			5080.30			5871.34			6939.46		
3-24-2	California	160.00	4357.50			5062.32			6023.65			6932.97		
3-24-3	Stanolind	160.00	4316.36			4784.54			5844.07			7305.43		
3-24-4	Stanolind	80.00	2347.52			2637.48			3218.16			4015.35		
3-24-5	Phillips	40.00	1141.15			1291.08			1566.96			1984.50		
3-24-6	Wasatch	40.00	1092.28			1222.92			1508.34			1912.00		
3-25-1	California	480.00	7450.53	412.12		9278.34	498.12	13049.53	619.98	619.98	1670.00	763.12		
3-25-2	California	160.00	3264.51	47.38		3793.48	60.97	5272.96	60.97	5973.78		67.84		
3-26-1	California	320.00	5159.45			6144.49			8323.13			10072.79		
3-26-2	Stanolind	40.00	529.36			573.09			760.00			865.53		
3-26-3	Wasatch	76.57	301.49			354.80			436.68			538.90		
3-26-4	Stanolind	120.00	1076.58			1339.89			1839.70			2175.71		
3-26-5	Wasatch	24.36	61.97			83.05			125.52			153.34		
3-27-1	Continental	42.08	189.36			193.59			248.07			300.35		
3-35-1	Wasatch	89.89	269.67			360.02			557.10			698.38		
3-35-2	Bay Petro. Co.	0.90	0.27			0.41			0.76			0.81		
3-36-1	California	502.12	3307.43	46.45		4160.86	59.28	6836.43	75.68	9142.27		100.94		
3-36-2	Wasatch	12.72	8.52			13.74			24.87			25.84		
TOTALS			25464.60	244758.46		3060.94	297913.57	3629.21	412285.71	4516.40	534374.26	6184.05		

TABLE VII-B
TABULATION BY TRACTS OF POROSITY - ACRE FEET
DEVELOPED AREA.

TRACT NO.	OPERATOR	ACRES	POROSITY ACRE FEET K ≥ 5 Millidarcys			POROSITY ACRE FEET K ≥ 3 Millidarcys			POROSITY ACRE FEET K ≥ 1 Millidarcy			POROSITY ACRE FEET K ≥ 0.1 Millidarcy		
			Oil	Gas	Sand	Oil	Gas	Sand	Oil	Gas	Sand	Oil	Gas	Sand
1-6-1	Stanolind	12.24	38.67			63.30			110.28			132.01		
1-6-2	Wichita River	165.00	181.09			313.55			680.22			715.10		
1-6-3	Stanolind	6.47	36.88			46.74			84.76			114.12		
1-6-4	Wasatch	19.80	104.91			148.50			270.81			352.97		
1-6-5	Stanolind	40.00	95.36			163.01			294.43			285.49		
1-31-3	Stanolind	37.83	123.43			134.49			211.01			354.31		
1-31-4	Stanolind	30.00	85.67			191.46			377.36			397.53		
1-31-6	Stanolind	106.52	407.23			457.31			795.85			1451.22		
1-31-7	Stanolind	20.12	112.56			119.38			216.78			320.50		
1-31-8	Stanolind	13.00	74.73			90.35			162.50			224.68		
1-32-4	Stanolind	184.23	120.02			144.76			225.13			345.59		
1-32-8	J. E. Pepper	41.06	28.59			35.19			57.39			81.22		
1-32-9	Stanolind	13.78	17.91			37.21			41.34			52.66		
2-1-1	Stanolind	20.32	115.65			166.33			306.22			415.14		
2-1-2	Stanolind	93.32	598.27			834.94			1441.10			1937.75		
2-1-3	Stanolind	13.32	79.58			110.72			206.92			289.19		
2-1-4	Stanolind	6.73	46.59			66.19			111.04			153.05		
2-1-5	Stanolind	20.09	122.64			179.57			287.00			395.27		
2-1-6	Wasatch	59.14	342.90			511.42			928.27			1272.65		
2-1-7	Stanolind	104.11	521.33			832.96			1308.65			1852.07		
2-1-8	Stanolind	37.50	223.93			339.76			579.75			692.80		
2-1-11	L. E. Chase	1.00	6.80			9.50			16.18			20.30		
2-1-12	Stanolind	0.50	3.30			4.75			8.12			10.25		
2-2-1	Stanolind	18.82	119.41			172.54			302.35			395.29		
2-2-2	Stanolind	25.37	154.58			217.08			371.64			577.73		
2-2-3	Stanolind	7.32	70.34			89.59			155.23			224.08		
2-2-4	Stanolind	139.96	849.47			1135.58			2078.93			3072.51		

TABLE VII-B
TABULATION BY TRACTS OF POROSITY - ACRE FEET
DEVELOPED AREA

TRACT NO.	OPERATOR	ACRES	POROSITY ACRE FEET K ≥ 5 Millidarcys		POROSITY ACRE FEET K ≥ 3 Millidarcys		POROSITY ACRE FEET K ≥ 1 Millidarcy		POROSITY ACRE FEET K ≥ 0.1 Millidarcy	
			Oil	Sand	Oil	Sand	Oil	Sand	Oil	Sand
2-2-5	Stanolind	78.91	372.92		550.13		882.25		1178.53	
2-2-6	Stanolind	19.23	104.80		163.46		268.82		358.34	
2-2-7	Stanolind	78.93	208.37		356.24		593.30		838.86	
2-2-8	Newton	122.87	528.10		834.00		1401.56		2459.61	
2-2-9	Wasatch	49.59	118.43		174.32		315.66		509.55	
2-3-1	Stanolind	109.14	1056.33		1345.55		2310.46		3389.31	
2-3-2	Stanolind	40.00	374.89		483.62		797.06		1350.37	
2-3-3	Stanolind	40.00	236.21		322.89		605.71		937.80	
2-3-4	Stanolind	17.57	156.07		203.44		353.37		523.75	
2-3-5	Newton	35.08	185.13		285.07		460.23		865.22	
2-3-6	Wasatch	155.92	892.02		1321.72		2666.54		4256.81	
2-3-7	Stanolind	102.47	422.96		588.94		1123.57		1629.81	
2-4-1	Stanolind	11.32	72.46		97.25		187.51		312.61	
2-4-2	Texas Co.	148.68	891.57		1188.11		2178.26		3288.95	
2-4-3	Stanolind	28.27	87.95		128.91		238.29		670.47	
2-4-4	Newton	6.37	11.24		14.58		25.62		47.43	
2-4-5	Stanolind	39.50	100.75		136.96		253.86		459.34	
2-4-6	Stanolind	39.51	136.86		217.89		421.52		543.39	
2-4-7	Stanolind	39.51	189.86		276.19		512.80		765.19	
2-4-8	Stanolind	39.50	282.67		346.37		575.27		866.13	
2-4-9	Stanolind	30.32	123.59		172.41		192.29		261.82	
2-5-1	Stanolind	80.00	258.38		429.80		766.92		1261.25	
2-5-2	Texas Co.	80.00	224.00		360.00		720.00		1280.00	
2-5-3	Texas Co.	40.00	73.47		110.87		206.90		355.96	
2-15-3	Stanolind	40.00	52.99		52.99		69.85		146.15	
2-16-4	Texas Co.	70.00	536.23		657.94		860.16		1118.51	
2-16-5	California	110.00	507.62		650.62		1125.51		1327.63	

TABLE VII-B
TABULATION BY TRACTS OF POROSITY - ACRE FEET
DEVELOPED AREA

TRACT NO.	OPERATOR	ACRES	POROSITY ACRE FEET K ≥ 5 Millidarcys		POROSITY ACRE FEET K ≥ 3 Millidarcys		POROSITY ACRE FEET K ≥ 1 Millidarcy		POROSITY ACRE FEET K ≥ 0.1 Millidarcy	
			Oil	Sand	Gas	Sand	Oil	Sand	Gas	Sand
2-16-6	Stanolind	40.00	145.96				194.63			
2-17-1	Stanolind	40.00	189.32				233.80			
2-17-2	Stanolind	40.00	87.83				91.37			
2-17-3	Stanolind	120.00	635.55				813.37			
2-17-4	California	240.00	2733.77				3483.62			
2-17-5	Texas Co.	70.00	728.05				908.22			
2-18-1	Stanolind	80.00	465.21				496.89			
2-18-2	California	472.84	5935.17				6686.67			
2-18-3	California	80.00	1100.80				1179.54			
2-19-1	California	480.00	1138.42				11724.03			
2-19-2	California	152.84	3924.52				4336.64			
2-20-1	Texas Co.	80.00	1047.48				1340.11			
2-20-2	California	240.00	4022.08				4699.51			
2-20-3	Texas Co.	240.00	4100.94				4953.65			
2-20-4	California	80.00	1273.44				1622.75			
2-21-1	Texas Co.	440.00	4673.79				5817.57			
2-21-2	California	40.00	386.20				467.95			
2-21-3	California	80.00	1300.63				1588.95			
2-21-4	California	80.00	909.57				1141.38			
2-22-1	Phillips	80.00	449.36				492.27			
2-22-2	Texas Co.	80.00	267.35				512.82			
2-22-3	Texas Co.	80.00	239.23				307.76			
2-22-4	California	240.00	1243.30				1828.48			
2-23-2	Phillips	80.00	1567.02				1737.42			
2-25-2	Wasatch	280.00	1990.58				2434.17			
2-25-3	Stanolind	120.00	539.41				665.73			
2-26-1	Wasatch	80.00	556.67				718.53			
2-16-6	Stanolind	40.00	145.96				194.63			
2-17-1	Stanolind	40.00	189.32				233.80			
2-17-2	Stanolind	40.00	87.83				91.37			
2-17-3	Stanolind	120.00	635.55				813.37			
2-17-4	California	240.00	2733.77				3483.62			
2-17-5	Texas Co.	70.00	728.05				908.22			
2-18-1	Stanolind	80.00	465.21				496.89			
2-18-2	California	472.84	5935.17				6686.67			
2-18-3	California	80.00	1100.80				1179.54			
2-19-1	California	480.00	1138.42				11724.03			
2-19-2	California	152.84	3924.52				4336.64			
2-20-1	Texas Co.	80.00	1047.48				1340.11			
2-20-2	California	240.00	4022.08				4699.51			
2-20-3	Texas Co.	240.00	4100.94				4953.65			
2-20-4	California	80.00	1273.44				1622.75			
2-21-1	Texas Co.	440.00	4673.79				5817.57			
2-21-2	California	40.00	386.20				467.95			
2-21-3	California	80.00	1300.63				1588.95			
2-21-4	California	80.00	909.57				1141.38			
2-22-1	Phillips	80.00	449.36				492.27			
2-22-2	Texas Co.	80.00	267.35				512.82			
2-22-3	Texas Co.	80.00	239.23				307.76			
2-22-4	California	240.00	1243.30				1828.48			
2-23-2	Phillips	80.00	1567.02				1737.42			
2-25-2	Wasatch	280.00	1990.58				2434.17			
2-25-3	Stanolind	120.00	539.41				665.73			
2-26-1	Wasatch	80.00	556.67				718.53			

TABLE VII-B
TABULATION BY TRACTS OF POROSITY - ACRE FEET
DEVELOPED AREA

TRACT NO.	OPERATOR	ACRES	POROSITY ACRE FEET K ≥ 5 Millidarcys		POROSITY ACRE FEET K ≥ 3 Millidarcys		POROSITY ACRE FEET K ≥ 1 Millidarcy		POROSITY ACRE FEET K ≥ 0.1 Millidarcy	
			Oil	Sand	Gas	Sand	Oil	Sand	Gas	Sand
2-26-2	Phillips	480.00	4672.47		6861.39		9343.21		13359.94	
2-26-3	Stanolind	80.00	612.07		774.97		1273.91		1715.36	
2-27-1	Phillips	160.00	2044.56		2594.03		4038.81		4508.02	
2-27-2	California	120.00	1377.53		1833.61		2659.79		3577.22	
2-27-3	Texas Co.	360.00	4641.18		6255.04		8662.15		12360.23	
2-28-1	California	320.00	4177.91	0.08	4994.80	0.09	7183.30	0.13	8693.79	0.16
2-28-2	Texas Co.	240.00	4283.24	0.01	5186.35	0.01	6826.58	0.02	8321.06	0.02
2-28-3	Sharples	80.00	928.65	9.95	1148.70	10.16	1582.53	12.96	2371.05	16.74
2-29-1	California	200.00	2837.83	125.79	3592.57	137.49	5057.21	152.33	6929.64	221.04
2-29-2	Texas Co.	320.00	4559.90	209.56	5745.44	248.65	7991.27	270.67	11018.70	388.76
2-29-3	California	120.00	2116.62	70.77	2598.23	78.11	3422.55	94.74	4105.54	131.56
2-30-1	California	160.00	2502.45	105.03	3104.42	117.92	4381.46	169.76	5176.57	263.40
2-30-2	California	80.00	1451.73	17.32	1809.91	22.01	2501.46	29.93	2795.92	75.10
2-30-3	California	312.64	5308.28	574.19	6445.83	655.38	8713.35	816.18	10193.71	978.94
2-30-4	California	80.00	1050.19	144.37	1283.45	168.06	2004.48	234.23	2204.06	315.75
2-31-1	Texas Co.	160.00	1067.66	77.68	1325.11	117.74	2282.26	157.79	3502.74	242.13
2-31-2	California	80.00	685.07	112.16	861.01	176.85	1417.01	233.12	1723.66	325.59
2-31-3	California	232.40	1757.81	283.56	2368.90	352.46	3652.23	443.93	4299.73	516.79
2-31-4	California	160.00	586.67	251	863.74	4.08	1727.82	3.21	2356.59	10.51
2-32-1	Sharples	160.00	1189.14	252.84	1505.53	292.95	2408.08	352.86	4766.64	496.51
2-32-2	Texas Co.	480.00	2841.36	260.37	4040.07	310.05	6501.61	379.88	11896.37	578.76
2-33-1	California	80.00	752.32	10.65	907.18	12.83	1451.52	15.82	2064.75	22.67
2-33-2	Sharples	240.00	1785.79	153.50	2217.32	156.79	3315.24	183.21	5493.49	325.27
2-33-3	California	240.00	1427.42	104.62	1876.34	104.65	3325.25	131.79	5066.67	259.89
2-33-4	Sharples	80.00	648.07	18.88	750.09	21.30	1562.06	30.44	2328.64	57.44
2-34-1	Texas Co.	320.00	3291.82	3.72	4438.25	4.39	7331.82	5.87	11220.00	10.08
2-34-2	Texas Co.	80.00	839.23	5.04	1049.94	5.57	1684.25	6.44	2477.38	10.84

TABLE VII-B
TABULATION BY TRACTS OF POROSITY - ACRE FEET
DEVELOPED AREA

TRACT NO.	OPERATOR	ACRES	POROSITY ACRE FEET K ≥ 5 Millidarcys		POROSITY ACRE FEET K ≥ 3 Millidarcys		POROSITY ACRE FEET K ≥ 1 Millidarcy		POROSITY ACRE FEET K ≥ 0.1 Millidarcy	
			Oil	Gas	Oil	Gas	Oil	Gas	Oil	Gas
			Sand	Sand	Sand	Sand	Sand	Sand	Sand	Sand
2-34-3	Wasatch	80.00	719.21	11.58	875.62	12.49	1759.35	17.16	2581.50	31.84
2-34-4	Stanolind	121.81	1106.53		1520.93		2488.07	7.01	3696.69	0.01
2-34-5	Stanolind	38.25	401.56	0.81	539.30	0.81	889.12	1.29	1373.81	2.35
2-35-1	Stanolind	123.20	978.38		1277.73		2358.14		3209.40	
2-35-2	Texas Co.	240.00	2423.16		3301.40		5173.46		7904.51	
2-35-3	Stanolind	47.31	413.48		692.73		900.68		1289.47	
2-35-4	Stanolind	131.76	1176.34		1519.03		2537.45		3365.82	
2-35-5	Stanolind	97.23	642.35		840.95		1543.58		2509.40	
2-36-1	Sharples	133.04	499.08		697.46		1085.85		1797.54	
2-36-2	Stanolind	266.08	1670.14		2420.47		3995.01		5609.97	
2-36-3	Wasatch	53.04	231.77		276.72		453.47		727.55	
2-36-4	Stanolind	60.00	369.39		445.89		814.07		1111.07	
2-36-5	Stanolind	34.32	193.54		286.53		556.07		735.24	
2-36-6	Stanolind	26.00	130.42		197.75		386.95		576.63	
2-36-7	Stanolind	26.00	126.68		202.80		381.44		533.00	
2-36-8	Stanolind	41.52	233.49		331.13		610.45		822.94	
3-9-1	California	40.00	277.29		187.02		240.06		291.56	
3-10-2	Stanolind	80.00	753.90		829.72		917.28		1089.30	
3-10-3	Stanolind	40.00	114.47		125.82		149.01		173.65	
3-10-4	California	40.00	461.70		461.70		521.79		560.14	
3-10-5	Stanolind	40.00	331.46		357.52		399.68		458.00	
3-11-2	California	160.00	1389.16		1750.96		1926.05		2182.55	
3-12-2	California	40.00	282.77		299.45		392.10		392.10	
3-12-5	California	40.00	146.47		242.78		315.00		315.22	
3-12-6	Stanolind	40.00	270.02		321.84		386.43		419.73	
3-12-7	Stanolind	40.00	258.59		269.18		344.00		369.78	
3-13-1	California	120.00	1624.39		1957.68		2329.86		2610.01	

TABLE VII-B
TABULATION BY TRACTS OF POROSITY - ACRE FEET
DEVELOPED AREA

TRACT NO.	OPERATOR	ACRES	POROSITY ACRE FEET K=5 Millidarcys		POROSITY ACRE FEET K=3 Millidarcys		POROSITY ACRE FEET K=1 Millidarcy		POROSITY ACRE FEET K=0.1 Millidarcy	
			Oil	Sand	Oil	Sand	Oil	Sand	Oil	Sand
3-13-2	California	400.00	7597.10		8403.84		10052.89		10877.29	
3-13-3	Stanolind	40.00	513.92		523.79		628.21		690.03	
3-13-4	Phillips	40.00	708.69		722.96		876.77		946.18	
3-13-5	California	40.00	923.49		1049.48		1323.30		1455.01	
3-14-1	Stanolind	40.00	594.45		594.45		692.00		771.79	
3-14-2	California	560.00	13151.15		14474.54		16484.45		18086.27	
3-14-3	Phillips	40.00	846.67		858.88		968.00		1092.08	
3-15-1	California	160.00	3264.91		3713.23		4403.62		4804.46	
3-15-2	Stanolind	320.00	5286.31		5857.71		6717.55		7730.90	
3-15-3	Continental	80.00	536.74		560.56		727.64		991.14	
3-15-4	Stanolind	80.00	1124.47		1271.73		1510.25		2002.45	
3-16-1	California	80.00	548.15		568.45		700.10		777.72	
3-16-7	Wasatch	40.00	147.39		147.39		189.87		189.87	
3-22-1	Stanolind	40.00	892.73		1026.62		1231.50		1413.61	
3-22-2	Stanolind	40.00	657.23		742.69		893.83		1055.59	
3-22-3	Stanolind	40.00	375.25		395.49		498.86		569.58	
3-22-5	Wasatch	80.00	1436.09		1688.15		1995.94		2278.43	
3-22-6	Stanolind	120.00	1748.83		2019.86		2401.06		2689.89	
3-23-1	Stanolind	320.00	8406.84		9388.88		10995.84		13723.32	
3-23-2	California	320.00	7477.01		8407.50		9925.60		11566.93	
3-24-1	California	160.00	4403.48		5080.30		5871.34		6939.46	
3-24-2	California	160.00	4357.50		5062.32		6023.65		6932.97	
3-24-3	Stanolind	160.00	4316.36		4784.54		5844.07		7305.43	
3-24-4	Stanolind	80.00	2347.52		2637.48		3218.16		4015.35	
3-24-5	Phillips	40.00	1141.15		1291.08		1566.96		1984.50	
3-24-6	Wasatch	40.00	1092.28		1222.92		1508.34		1912.00	
3-25-1	California	480.00	7450.53		412.12 9278.34		498.12 13049.53		619.98 16070.00	763.12

TABLE VII-B
TABULATION BY TRACTS OF POROSITY - ACRE FEET
DEVELOPED AREA

TRACT NO.	OPERATOR	ACRES	POROSITY ACRE FEET KZ-5 Millidarcys			POROSITY ACRE FEET KZ-3 Millidarcys			POROSITY ACRE FEET KZ-1 Millidarcy			POROSITY ACRE FEET KZ-0.1 Millidarcy		
			Oil	Gas	Sand	Oil	Gas	Sand	Oil	Gas	Sand	Oil	Gas	Sand
3-25-2	California	160.00	3264.51	47.38	3793.48	60.97	5272.96	60.97	5973.78	67.84				
3-26-1	California	320.00	5159.45		6144.49		8323.13		10072.79					
3-26-2	Stanolind	40.00	529.36		573.09		760.00		865.53					
3-26-3	Wasatch	40.00	191.69		244.80		254.18		283.10					
3-26-4	Stanolind	120.00	1076.58		1339.89		1839.70		2175.71					
3-35-1	Wasatch	40.00	200.00		248.00		400.00		480.00					
3-36-1	California	360.00	2903.13	46.45	3645.46	59.28	6005.63	75.68	8210.27	100.94				
TOTALS		19,730.43	234,873.03	3,060.94	284,989.00	3,629.21	392,330.73	4,516.40	506,302.45	6,312.405				



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SECTION II

ORIGINAL STOCK TANK OIL IN PLACE
BY TRACTS

The original stock tank oil in place was estimated for each tract employing the pore volumes shown in Tables VII-A and VII-B. The interstitial water saturations were estimated for each of the four permeability ranges and the average height above the oil-water contact in the reservoir on the basis of capillary pressure data. Reservoir volume factors for converting barrels of reservoir oil into terms of stock tank oil were obtained from bottom hole sample analyses correlated against structural elevation. The results of oil in place calculations for minimum permeability limits of 5.0, 3.0, 1.0 and 0.1 millidarcys are shown by tracts in Table VIII-A for the total field and Table VIII-B for the developed area.

TABLE VIII-A
TABULATION BY TRACTS OF ORIGINAL STOCK TANK
OIL AND FREE GAS IN PLACE
TOTAL FIELD

TRACT NO.	OPERATOR	ACRES	K = 5 Millidarcys			K = 3 Millidarcys			K = 1 Millidarcy			K = 0.1 Millidarcy		
			Oil Zone	Gas Cap	Std. MCF	Oil Zone	Gas Cap	Std. MCF	Oil Zone	Gas Cap	Std. MCF	Oil Zone	Gas Cap	Std. MCF
			Barrels			Barrels			Barrels			Barrels		
1-5-1	Stanolind	2.21	110			110			110			110		
1-5-2	Stanolind	169.34	392,920			466,042			689,274			734,009		
1-5-3	Stanolind	6.47	35,322			42,833			68,708			76,333		
1-5-4	Wichita River	3.42	765			765			765			765		
1-6-1	Stanolind	32.24	367,782			497,645			829,802			951,862		
1-6-2	Wichita River	213.02	3,177,623			4,307,971			6,728,899			8,796,167		
1-6-3	Stanolind	6.47	182,556			223,722			372,000			473,292		
1-6-4	Wasatch	19.80	516,682			698,452			1,172,403			1,453,801		
1-6-5	Stanolind	196.56	1,643,652			2,262,230			3,829,490			4,193,463		
1-6-6	Wichita River	46.00	61,094			64,477			72,804			72,804		
1-6-7	Stanolind	107.87	838,994			1,076,244			1,715,174			2,139,133		
1-7-1	Lyler Cook	12.04	12,012			12,420			12,420			12,420		
1-7-2	Stanolind	11.59	6,032			6,503			6,503			6,503		
1-7-3	Fred Goodstein	26.35	49,680			55,705			67,285			77,973		
1-19-1	Fred Goodstein	0.22												
1-19-2	Wichita River	62.66	67,095			88,413			95,229			108,706		
1-29-1	Fred Goodstein	1.81												
1-29-2	Continental	84.40	78,705			80,168			84,623			96,921		
1-30-1	Stanolind	258.90	666,548			738,284			925,428			1,242,699		
1-30-2	Wasatch	315.20	1,566,161			2,085,905			2,862,834			3,853,254		
1-31-1	Wasatch	89.78	767,714			850,526			1,122,806			1,656,664		
1-31-2	Continental	19.80	92,858			102,546			134,047			189,597		
1-31-3	Stanolind	37.83	607,893			653,792			949,159			1,436,379		
1-31-4	Stanolind	307.23	2,990,457			3,387,171			4,969,178			6,642,775		
1-31-5	Stanolind	40.32	249,791			291,487			397,215			544,170		
1-31-6	Stanolind	106.52	1,985,246			2,189,322			3,469,003			4,648,832		
1-31-7	Stanolind	20.12	557,172			585,646			965,506			1,323,340		
1-31-8	Stanolind	13.00	369,914			435,128			716,513			931,034		
1-32-1	Stanolind	23.66	35,239			37,452			43,402			54,982		
1-32-2	Continental	81.02	124,716			151,680			186,192			240,932		

TABLE VIII-A
TABULATION BY TRACTS OF ORIGINAL STOCK TANK
OIL AND FREE GAS IN PLACE
TOTAL FIELD

TRACT NO.	OPERATOR	ACRES	K \approx 5 Millidarcys			K \approx 3 Millidarcys			K \approx 1 Millidarcy			K \approx 0.1 Millidarcy		
			Oil Zone Barrels	Gas Cap Std. MCF	Oil Zone Barrels	Gas Cap Std. MCF	Oil Zone Barrels	Gas Cap Std. MCF	Oil Zone Barrels	Gas Cap Std. MCF	Oil Zone Barrels	Gas Cap Std. MCF	Oil Zone Barrels	Gas Cap Std. MCF
1-32-4	Stanolind	184.23	480,080		541,930		706,689		893,402					
1-32-7	Stanolind	5.31	901		901		901		901					
1-32-8	J. E. Pepper	41.06	108,642		122,502		158,022		185,427					
1-32-9	Stanolind	13.78	76,118		134,501		145,342		168,831					
2-1-1	Stanolind	20.32	575,359		790,749		1,346,812		1,730,755					
2-1-2	Stanolind	93.32	3,021,264		4,056,695		6,541,951		8,351,179					
2-1-3	Stanolind	13.32	402,675		540,781		940,973		1,247,017					
2-1-4	Stanolind	6.73	236,444		323,664		512,034		669,572					
2-1-5	Stanolind	20.00	621,172		873,087		1,321,070		1,724,376					
2-1-6	Wasatch	59.14	1,704,213		2,491,327		4,133,716		5,332,159					
2-1-7	Stanolind	234.11	5,476,393		7,862,889		12,615,780		15,290,979					
2-1-8	Stanolind	37.50	1,114,052		1,605,171		2,555,532		2,951,207					
2-1-9	Continental	73.06	851,781		1,190,323		1,944,641		1,994,056					
2-1-10	Newton	80.00	964,790		1,280,260		1,994,382		2,484,259					
2-1-11	L. E. Chaso	1.00	34,000		45,529		72,249		86,875					
2-1-12	Stanolind	0.50	16,500		22,692		36,172		43,733					
2-2-1	Stanolind	18.82	606,603		844,625		1,393,722		1,745,964					
2-2-2	Stanolind	25.37	785,266		1,067,454		1,728,970		2,520,356					
2-2-3	Stanolind	7.32	369,285		460,145		756,838		1,039,123					
2-2-4	Stanolind	139.96	4,315,308		5,599,942		9,599,746		13,375,350					
2-2-5	Stanolind	78.91	1,890,702		2,678,402		4,065,003		5,173,091					
2-2-6	Stanolind	19.23	531,336		792,080		1,231,958		1,566,763					
2-2-7	Stanolind	78.93	1,036,641		1,663,610		2,602,367		3,461,827					
2-2-8	Newton	122.87	2,669,546		4,021,624		6,376,998		10,302,364					
2-2-9	Wasatch	109.59	1,014,012		1,483,367		2,578,805		3,805,164					
2-2-10	Stanolind	39.00	212,338		315,689		463,615		687,494					
2-3-1	Stanolind	109.14	5,535,169		6,897,395		11,249,139		15,645,453					
2-3-2	Stanolind	40.00	1,971,921		2,488,389		3,917,675		6,205,612					
2-3-3	Stanolind	40.00	1,244,827		1,657,424		2,952,739		4,332,573					
2-3-4	Stanolind	17.57	806,882		1,025,258		1,681,951		2,106,102					

TABLE VIII-A
TABULATION BY TRACTS OF ORIGINAL STOCK TANK
OIL AND FREE GAS IN PLACE
TOTAL FIELD

TRACT NO.	OPERATOR	ACRES	K ≈ 5 Millidarcys			K ≈ 3 Millidarcys			K ≈ 1 Millidarcy			K ≈ 0.1 Millidarcy		
			Oil Zone Barrels	Gas Cap Std.MCF	Oil Zone Barrels	Gas Cap Std.MCF	Oil Zone Barrels	Gas Cap Std.MCF	Oil Zone Barrels	Gas Cap Std.MCF	Oil Zone Barrels	Gas Cap Std.MCF	Oil Zone Barrels	Gas Cap Std.MCF
2-3-5	Newton	35.08	937,683		1,379,919		2,110,336		3,618,923					
2-3-6	Wasatch	155.92	4,522,541		6,432,558		12,047,181		17,994,791					
2-3-7	Stanolind	127.47	2,393,178		3,347,810		5,779,870		8,032,052					
2-3-8	Wasatch	105.65	702,545		1,055,093		1,747,810		2,685,483					
2-4-1	Stanolind	11.32	381,864		500,236		914,981		1,437,273					
2-4-2	Texas Co.	148.68	4,680,743		6,083,377		10,578,658		15,143,594					
2-4-3	Stanolind	28.27	445,467		626,715		1,082,830		2,692,700					
2-4-4	Newton	6.37	55,188		68,966		111,304		184,913					
2-4-5	Stanolind	39.50	509,291		669,339		1,154,474		1,916,805					
2-4-6	Stanolind	39.51	695,249		1,057,453		1,916,772		2,376,222					
2-4-7	Stanolind	39.51	965,438		1,353,923		2,360,699		3,323,566					
2-4-8	Stanolind	39.50	1,435,964		1,722,939		2,700,336		3,812,875					
2-4-9	Stanolind	175.32	1,694,286		2,201,730		3,416,460		4,677,909					
2-4-10	Stanolind	2.31	810		810		810		810					
2-4-11	Newton	11.28	16,314		23,787		30,508		37,668					
2-5-1	Stanolind	101.72	1,431,853		2,206,240		3,685,766		5,325,883					
2-5-2	Texas Co.	177.59	1,692,054		2,465,610		4,472,376		7,974,300					
2-5-3	Texas Co.	62.69	407,984		601,765		996,203		1,578,970					
2-5-6	Stanolind	10.39	26,187		27,669		35,677		47,077					
2-6-1	Texas Co.	51.30	257,593		257,593		596,565		904,656					
2-6-2	California	91.90	313,375		445,863		785,690		1,025,356					
2-7-1	Stanolind	7.70	14,438		17,362		17,369		17,369					
2-7-2	California	111.90	802,868		883,982		958,050		992,306					
2-8-1	Stanolind	40.11	20		20		20		20					
2-10-1	Wasatch	28.48	47,180		57,955		77,810		89,504					
2-11-1	Wasatch	42.66	95,874		128,613		198,645		220,829					
2-11-2	Stanolind	35.47	33,706		37,906		61,058		79,148					
2-11-3	Newton	32.45	54,018		80,825		114,369		141,445					
2-12-1	Newton	129.70	377,864		476,848		655,404		737,704					
2-14-3	Phillips	0.11	-		-		-		-					

TABLE VIII-A
TABULATION BY TRACTS OF ORIGINAL STOCK TANK
OIL AND FREE GAS IN PLACE
TOTAL FIELD

TRACT NO.	OPERATOR	ACRES	K ≥ 5 Millidarcys			K ≥ 3 Millidarcys			K ≥ 1 Millidarcy			K ≥ 0.1 Millidarcy		
			Oil Zone Barrels	Gas Cap Std.MCF	Gas Cap	Oil Zone Barrels	Gas Cap Std.MCF	Gas Cap	Oil Zone Barrels	Gas Cap Std.MCF	Gas Cap	Oil Zone Barrels	Gas Cap Std.MCF	Gas Cap
2-15-3	Stanolind	84.42	273,728			322,040			363,540			447,945		
2-15-4	Texas Co.	18.06	24,552			31,229			36,202			38,794		
2-15-5	Phillips	6.82	3,060			3,073			3,073			3,073		
2-16-2	Stanolind	35.65	113,223			124,432			138,498			149,280		
2-16-3	Stanolind	41.51	340,099			359,899			391,497			416,490		
2-16-4	Texas Co.	70.00	2,386,224			2,793,953			3,400,613			4,040,029		
2-16-5	California	140.00	2,344,271			2,832,131			4,138,120			4,559,792		
2-16-6	Stanolind	65.15	670,751			813,785			950,604			990,770		
2-17-1	Stanolind	54.25	773,566			866,974			996,350			1,029,181		
2-17-2	Stanolind	74.93	427,205			482,987			795,090			526,272		
2-17-3	Stanolind	120.00	2,624,822			3,126,274			3,372,966			3,715,327		
2-17-4	California	240.00	12,848,719			15,698,149			17,495,280			19,630,527		
2-17-5	Texas Co.	70.00	3,327,189			3,966,793			4,396,579			5,053,998		
2-18-1	Stanolind	80.00	1,921,317			2,010,655			2,347,263			2,601,638		
2-18-2	California	472.84	28,043,678			30,929,438			36,422,187			39,261,742		
2-18-3	California	80.00	5,261,824			5,572,060			6,760,014			7,585,188		
2-19-1	California	480.00	51,503,174			58,582,923			75,810,369			86,147,181		
2-19-2	California	152.84	19,936,562			21,778,738			26,540,924			29,913,780		
2-20-1	Texas Co.	80.00	5,185,026			6,406,756			8,820,700			10,797,757		
2-20-2	California	240.00	20,110,400			23,003,026			28,998,426			34,105,385		
2-20-3	Texas Co.	240.00	20,832,775			24,652,916			30,913,950			37,951,039		
2-20-4	California	80.00	6,462,708			8,017,138			10,785,526			12,377,701		
2-21-1	Texas Co.	440.00	23,018,416			27,787,979			38,460,891			46,537,144		
2-21-2	California	40.00	1,834,450			2,151,231			2,955,235			3,789,435		
2-21-3	California	80.00	6,581,188			7,855,562			10,717,892			11,796,691		
2-21-4	California	80.00	4,547,850			5,537,679			7,435,159			10,339,520		
2-22-1	Phillips	160.00	2,772,538			3,196,628			4,876,680			5,972,455		
2-22-2	Texas Co.	160.00	1,782,156			2,801,190			3,490,631			4,564,800		
2-22-3	Texas Co.	80.00	1,093,281			1,336,563			1,646,905			2,549,173		
2-22-4	California	240.00	6,061,088			8,445,696			12,409,593			16,984,121		

TABLE VIII-A
TABULATION BY TRACTS OF ORIGINAL STOCK TANK
OIL AND FREE GAS IN PLACE
TOTAL FIELD

TRACT NO.	OPERATOR	ACRES	K ≥ 5 Millidarcys			K ≥ 3 Millidarcys			K ≥ 1 Millidarcy			K ≥ 0.1 Millidarcy		
			Oil Zone Barrels	Gas Cap Std.MCF	Gas Cap	Oil Zone Barrels	Gas Cap Std.MCF	Gas Cap	Oil Zone Barrels	Gas Cap Std.MCF	Gas Cap	Oil Zone Barrels	Gas Cap Std.MCF	Gas Cap
2-23-1	Wasatch	132.29	1,651,242			1,946,523			2,463,183			3,086,223		
2-23-2	Phillips	450.11	7,467,189			8,106,679			10,941,659			13,769,149		
2-24-2	Continental	68.46	157,773			173,701			192,025			214,801		
2-24-3	Wasatch	120.00	1,936,288			2,186,005			2,812,413			3,685,508		
2-24-4	J. E. Pepper	40.00	325,144			328,488			415,174			544,374		
2-24-5	Continental	146.42	799,026			946,847			1,074,272			1,392,138		
2-25-1	Wichita River	160.00	2,109,971			2,635,730			3,279,286			5,274,746		
2-25-2	Wasatch	320.00	10,690,107			12,697,006			17,084,397			23,047,079		
2-25-3	Stanolind	160.00	3,028,915			3,710,827			4,826,104			6,154,872		
2-26-1	Wasatch	80.00	2,741,600			3,413,319			5,146,999			6,966,645		
2-26-2	Phillips	480.00	23,595,974			33,172,499			43,347,961			58,069,276		
2-26-3	Stanolind	80.00	3,094,014			3,807,516			5,865,643			7,465,900		
2-27-1	Phillips	160.00	10,355,696			12,787,101			18,311,834			20,559,641		
2-27-2	California	120.00	6,928,976			8,908,132			12,262,423			15,583,520		
2-27-3	Texas Co.	360.00	23,577,194			30,823,426			41,053,643			55,106,347		
2-28-1	California	320.00	21,223,783			24,907,957		566	34,252,852		772	40,038,029		913
2-28-2	Texas Co.	240.00	22,144,351			26,307,688		57	33,491,896		108	39,395,092		108
2-28-3	Sharples	80.00	4,893,986			5,952,427		57,788	7,958,890		72,178	11,294,330		50,011
2-29-1	California	200.00	14,955,364			18,585,663		778,946	25,359,623		855,208	33,280,002		1,264,740
2-29-2	Texas Co.	320.00	24,007,874			29,698,466		1,402,498	40,119,117		1,515,658	52,970,558		2,073,397
2-29-3	California	120.00	11,144,004			13,458,140		442,289	17,278,863		527,751	20,174,741		701,652
2-30-1	California	160.00	13,137,863			16,021,299		667,082	21,940,380		933,487	25,319,597		1,275,749
2-30-2	California	80.00	7,650,617			9,373,463		123,720	12,571,835		164,420	13,817,401		236,068
2-30-3	California	312.64	27,868,470			33,323,022		3,704,216	43,832,977		4,530,567	50,131,994		5,289,281
2-30-4	California	80.00	5,508,247			6,627,895		948,881	9,962,659		1,288,929	10,812,870		1,673,948
2-31-1	Texas Co.	160.00	5,621,230			6,858,277		656,628	11,294,668		862,445	16,469,503		1,260,783
2-31-2	California	80.00	3,593,192			4,437,704		984,713	7,009,204		1,273,885	8,315,533		1,270,621
2-31-3	California	232.40	9,254,870			12,166,857		1,983,351	18,031,538		2,484,250	20,715,425		2,800,030
2-31-4	California	160.00	2,980,284			4,231,255		22,691	7,929,517		43,915	10,243,994		54,778
2-32-1	Sharples	160.00	6,219,202			7,734,710		1,654,432	11,918,029		1,962,310	21,921,909		2,640,769

TABLE VIII-A
TABULATION BY TRACTS OF ORIGINAL STOCK TANK
OIL AND FREE GAS IN PLACE
TOTAL FIELD

TRACT NO.	OPERATOR	ACRES	K \geq 5 Millidarcys			K \geq 3 Millidarcys			K \geq 1 Millidarcy			K \geq 0.1 Millidarcy		
			Oil Zone Barrels	Gas Cap Std.MCF	Gas Cap	Oil Zone Barrels	Gas Cap Std.MCF	Gas Cap	Oil Zone Barrels	Gas Cap Std.MCF	Gas Cap	Oil Zone Barrels	Gas Cap Std.MCF	Gas Cap
3-11-1	California	7.32	730			730			730			730		
3-11-2	California	320.00	7,616,827			8,881,567			9,558,167			10,021,417		
3-12-2	California	76.12	1,391,639			1,472,410			1,680,066			1,686,058		
3-12-3	Stanolind	31.45	191,367			203,687			209,056			213,046		
3-12-4	Stanolind	26.74	145,750			165,020			170,025			170,025		
3-12-5	California	60.35	619,096			854,842			983,674			993,300		
3-12-6	Stanolind	40.00	1,100,332			1,238,951			1,382,663			1,439,273		
3-12-7	Stanolind	40.00	1,067,977			1,097,841			1,275,538			1,323,231		
3-13-1	California	120.00	7,667,121			8,938,622			10,237,531			11,077,981		
3-13-2	California	400.00	36,959,892			40,227,189			46,427,617			49,131,649		
3-13-3	Stanolind	40.00	2,358,893			2,394,425			2,735,878			2,907,120		
3-13-4	Phillips	40.00	3,387,538			3,443,762			4,001,323			4,219,965		
3-13-5	California	40.00	4,594,363			5,128,561			6,212,888			6,673,873		
3-14-1	Stanolind	40.00	2,728,526			2,728,526			3,047,515			3,268,533		
3-14-2	California	560.00	63,980,345			69,340,075			76,897,336			82,151,306		
3-14-3	Phillips	40.00	4,047,083			4,095,190			4,490,750			4,881,602		
3-15-1	California	160.00	15,753,191			17,546,471			20,100,914			21,391,619		
3-15-2	Stanolind	320.00	24,792,794			26,944,115			29,906,264			32,895,646		
3-15-3	Continental	80.00	2,463,637			2,549,389			3,095,741			3,825,636		
3-15-4	Stanolind	80.00	5,481,791			6,081,876			6,983,481			8,617,585		
3-16-1	California	113.06	2,536,935			2,641,501			2,992,834			3,142,758		
3-16-2	Continental	0.22	34			34			34			34		
3-16-6	Continental	14.57	53,375			55,764			57,902			57,902		
3-16-7	Wasatch	42.45	564,756			564,756			634,676			634,676		
3-22-1	Stanolind	40.00	4,463,650			5,035,360			5,854,880			6,501,371		
3-22-2	Stanolind	40.00	3,253,289			3,610,085			4,199,531			4,757,603		
3-22-3	Stanolind	74.30	2,624,344			2,694,172			3,122,080			3,573,752		
3-22-4	Continental	23.34	226,033			228,123			257,495			262,935		
3-22-5	Wasatch	80.00	7,137,367			8,201,060			9,413,753			10,396,818		
3-22-6	Stanolind	142.23	8,623,720			9,683,447			11,456,483			12,492,518		

TABLE VIII-A
TABULATION BY TRACTS OF ORIGINAL STOCK TANK
OIL AND FREE GAS IN PLACE
TOTAL FIELD

TRACT NO.	OPERATOR	ACRES	K ≥ 5 Millidarcys			K ≥ 3 Millidarcys			K ≥ 1 Millidarcy			K ≥ 0.1 Millidarcy		
			Oil Zone Barrels	Gas Cap Std.MCF	Gas Cap	Oil Zone Barrels	Gas Cap Std.MCF	Gas Cap	Oil Zone Barrels	Gas Cap Std.MCF	Gas Cap	Oil Zone Barrels	Gas Cap Std.MCF	Gas Cap
2-32-2	Texas Co.	480.00	14,973,967	1,482,807	20,739,762	1,748,496	32,124,385	2,107,352	54,944,319	3,046,662				
2-33-1	California	80.00	3,960,965	60,652	4,705,067	72,310	7,228,083	87,676	9,828,178	120,029				
2-33-2	Sharples	240.00	9,402,184	874,183	11,475,686	891,778	16,564,545	1,052,320	25,804,565	1,699,655				
2-33-3	California	240.00	7,515,366	595,811	9,672,427	595,971	16,388,124	735,444	23,771,745	1,340,460				
2-33-4	Sharples	80.00	3,412,089	107,522	3,902,295	120,464	7,665,776	167,434	10,916,075	294,955				
2-34-1	Texas Co.	320.00	17,347,891	21,185	22,822,094	24,769	36,118,048	32,374	52,351,200	52,258				
2-34-2	Texas Co.	80.00	4,422,742	28,703	5,436,257	31,537	8,369,941	37,008	11,727,881	56,789				
2-34-3	Wasatch	80.00	3,786,641	65,948	4,542,996	70,814	8,639,085	94,814	12,125,001	164,148				
2-34-4	Stanolind	121.81	5,831,413	-	7,810,173	-	12,254,181	-	17,300,170	47				
2-34-5	Stanolind	38.25	2,116,221	4,613	2,776,684	4,613	4,394,602	7,080	6,442,417	12,086				
2-35-1	Stanolind	123.20	4,975,062	-	6,322,137	-	10,919,282	-	14,166,839	-				
2-35-2	Texas Co.	240.00	12,309,653	-	16,274,906	-	24,287,323	-	34,774,555	-				
2-35-3	Stanolind	47.31	2,174,905	-	3,501,342	-	4,449,594	-	6,077,241	-				
2-35-4	Stanolind	131.76	6,093,441	-	7,678,382	-	12,159,430	-	15,452,201	-				
2-35-5	Stanolind	97.23	3,266,350	-	4,160,050	-	7,149,741	-	10,834,344	-				
2-36-1	Sharples	133.04	2,497,895	-	3,448,135	-	5,007,521	-	7,544,696	-				
2-36-2	Stanolind	266.08	8,459,259	-	11,779,469	-	18,345,301	-	24,361,027	-				
2-36-3	Wasatch	53.04	1,153,056	-	1,343,644	-	2,043,574	-	3,002,854	-				
2-36-4	Stanolind	60.00	1,850,644	-	2,180,359	-	3,664,124	-	4,730,354	-				
2-36-5	Stanolind	34.32	983,183	-	1,407,313	-	2,533,657	-	3,209,128	-				
2-36-6	Stanolind	26.00	661,229	-	960,511	-	1,750,421	-	2,459,824	-				
2-36-7	Stanolind	26.00	639,734	-	972,759	-	1,705,183	-	2,260,650	-				
2-36-8	Stanolind	41.52	1,161,613	-	1,576,583	-	2,686,880	-	3,435,907	-				
3-1-1	California	5.17	7,227	-	9,427	-	11,059	-	11,164	-				
3-9-1	California	31.46	1,476,180	-	1,601,067	-	1,678,123	-	1,758,623	-				
3-10-1	Cameron	11.44	2,290	-	2,290	-	2,290	-	2,290	-				
3-10-2	Stanolind	160.00	4,209,688	-	4,420,845	-	4,706,895	-	5,003,723	-				
3-10-3	Stanolind	40.00	426,401	-	448,250	-	480,716	-	505,356	-				
3-10-4	California	80.00	2,341,343	-	2,466,643	-	2,661,388	-	2,788,701	-				
3-10-5	Stanolind	40.00	1,433,565	-	1,515,003	-	1,629,889	-	1,759,193	-				

TABLE VIII-A
TABULATION BY TRACTS OF ORIGINAL STOCK TANK
OIL AND FREE GAS IN PLACE
TOTAL FIELD

TRACT NO.	OPERATOR	ACRES	K \geq 5 Millidarcys			K \geq 3 Millidarcys			K \geq 1 Millidarcy			K \geq 0.1 Millidarcy		
			Oil Zone Barrels	Gas Cap Std.MCF	Gas Cap	Oil Zone Barrels	Gas Cap Std.MCF	Gas Cap	Oil Zone Barrels	Gas Cap Std.MCF	Gas Cap	Oil Zone Barrels	Gas Cap Std.MCF	Gas Cap
3-22-8	Continental	11.59	145,387	-	-	147,420	-	-	149,744	-	-	154,044	-	-
3-23-1	Stanolind	320.00	42,706,747	-	-	47,100,042	-	-	53,881,413	-	-	64,191,287	-	-
3-23-2	California	320.00	37,796,286	-	-	41,904,399	-	-	48,204,514	-	-	54,293,849	-	-
3-24-1	California	160.00	22,369,678	-	-	25,408,600	-	-	28,762,609	-	-	32,821,465	-	-
3-24-2	California	160.00	22,136,100	-	-	25,283,121	-	-	29,330,321	-	-	32,758,457	-	-
3-24-3	Stanolind	160.00	21,927,109	-	-	24,029,237	-	-	28,532,240	-	-	34,085,408	-	-
3-24-4	Stanolind	80.00	11,925,402	-	-	13,233,122	-	-	15,715,529	-	-	18,768,766	-	-
3-24-5	Phillips	40.00	5,922,569	-	-	6,619,744	-	-	7,840,513	-	-	9,510,673	-	-
3-24-6	Wasatch	40.00	5,668,933	-	-	6,276,409	-	-	7,539,393	-	-	9,154,034	-	-
3-25-1	California	480.00	39,264,293	2,347,023	48,056,059	2,806,951	3,433,190	65,497,813	78,274,401	4,109,240	-	-	-	-
3-25-2	California	160.00	17,203,968	269,829	19,740,379	342,508	26,834,486	342,508	30,973,773	374,953	-	-	-	-
3-26-1	California	320.00	26,210,006	-	-	30,627,611	-	-	39,950,404	-	-	46,642,854	-	-
3-26-2	Stanolind	40.00	2,646,800	-	-	2,831,527	-	-	3,581,167	-	-	3,955,799	-	-
3-26-3	Wasatch	76.57	1,349,168	-	-	1,531,755	-	-	1,783,596	-	-	2,044,197	-	-
3-26-4	Stanolind	120.00	5,264,476	-	-	6,344,047	-	-	8,250,822	-	-	9,574,776	-	-
3-26-5	Wasatch	24.36	230,838	-	-	270,890	-	-	330,348	-	-	358,168	-	-
3-27-1	Continental	42.08	856,854	-	-	871,553	-	-	1,042,348	-	-	1,179,583	-	-
3-35-1	Wasatch	89.89	1,200,032	-	-	1,502,705	-	-	2,093,945	-	-	2,443,613	-	-
3-35-2	Bay Petroleum Co.	0.90	270	-	-	270	-	-	270	-	-	270	-	-
3-36-1	California	502.12	16,669,447	262,533	20,808,583	333,148	31,724,908	437,427	40,256,516	536,730	-	-	-	-
3-36-2	Wasatch	12.72	30,246	-	-	38,859	-	-	50,824	-	-	51,527	-	-
TOTALS		25,464.60	1,219,127,897	17,432,110	1,449,948,902	20,477,217	25,050,510	32,990,884	32,990,884	4,109,240	-	-	-	-

TABLE VIII-B
TABULATION BY TRACTS OF
ORIGINAL STOCK TANK OIL AND FREE GAS IN PLACE
DEVELOPED AREA

TRACT NO.	OPERATOR	ACRES	K > 5 Millidarcys			K > 3 Millidarcys			K > 1 Millidarcy			K > 0.1 Millidarcy		
			Oil Zone	Gas Cap	Std. MCF	Oil Zone	Gas Cap	Std. MCF	Oil Zone	Gas Cap	Std. MCF	Oil Zone	Gas Cap	Std. MCF
1-6-1	Stanollind	12.24	184,982			279,345			451,002			518,862		
1-6-2	Wichita River	165.00	875,873			1,395,721			2,702,899			2,872,617		
1-6-3	Stanollind	6.47	182,556			223,722			372,000			473,292		
1-6-4	Wasatch	19.80	516,682			698,452			1,172,403			1,453,801		
1-6-5	Stanollind	40.00	458,602			711,555			1,213,340			1,234,113		
1-31-3	Stanollind	37.83	607,893			653,792			949,159			1,436,379		
1-31-4	Stanollind	30.00	414,358			811,071			1,461,578			1,548,175		
1-31-6	Stanollind	106.52	1,985,246			2,189,322			3,469,003			4,648,832		
1-31-7	Stanollind	20.12	557,172			585,646			965,506			1,323,340		
1-31-8	Stanollind	13.00	369,914			435,128			716,513			931,034		
1-32-4	Stanollind	182.23	480,080			541,930			706,689			893,402		
1-32-8	J. E. Pepper	21.06	108,642			122,502			158,022			185,427		
1-32-9	Stanollind	13.78	76,118			134,501			145,342			168,831		
2-1-1	Stanollind	20.32	575,359			790,749			1,346,812			1,730,755		
2-1-2	Stanollind	93.32	3,021,264			4,056,695			6,541,951			8,351,179		
2-1-3	Stanollind	13.32	402,675			540,781			940,973			1,247,017		
2-1-4	Stanollind	6.73	236,444			323,664			512,034			669,572		
2-1-5	Stanollind	20.00	621,172			873,087			1,321,070			1,724,376		
2-1-6	Wasatch	59.14	1,704,213			2,491,327			4,133,716			5,332,159		
2-1-7	Stanollind	104.11	2,595,208			3,897,564			6,120,080			7,692,429		
2-1-8	Stanollind	37.50	1,114,052			1,605,171			2,555,532			2,951,207		
2-1-11	L. E. Chase	1.00	34,000			45,529			72,249			86,875		
2-1-12	Stanollind	0.50	16,500			22,692			36,172			43,733		
2-2-1	Stanollind	18.82	606,603			844,625			1,393,722			1,745,964		
2-2-2	Stanollind	25.37	785,266			1,067,454			1,728,970			2,520,356		

TABLE VIII-B
TABULATION BY TRACTS OF
ORIGINAL STOCK TANK OIL AND FREE GAS IN PLACE
DEVELOPED AREA

TRACT NO.	OPERATOR	ACRES	K ≥ 5 MILLIDARCY			K ≥ 3 MILLIDARCY			K ≥ 1 MILLIDARCY			K ≥ 0.1 MILLIDARCY		
			Oil Zone Barrels	Gas Cap Std.MCF	Oil Zone Barrels	Gas Cap Std.MCF	Oil Zone Barrels	Gas Cap Std.MCF	Oil Zone Barrels	Gas Cap Std.MCF	Oil Zone Barrels	Gas Cap Std.MCF	Oil Zone Barrels	Gas Cap Std.MCF
2-2-3	Stanolind	7.32	369,285		460,145		756,838		1,039,123					
2-2-4	Stanolind	139.96	4,315,308		5,599,942		9,599,746		13,375,350					
2-2-5	Stanolind	78.91	1,890,704		2,678,402		4,065,003		5,173,091					
2-2-6	Stanolind	19.23	531,336		792,080		1,231,958		1,566,763					
2-2-7	Stanolind	78.93	1,036,641		1,663,610		2,602,367		3,461,827					
2-2-8	Newton	122.87	2,669,546		4,021,624		6,376,998		10,302,364					
2-2-9	Wassatch	49.59	591,012		832,367		1,406,555		2,097,414					
2-3-1	Stanolind	109.14	5,535,169		6,897,395		11,249,139		15,645,453					
2-3-2	Stanolind	40.00	1,971,921		2,488,389		3,917,675		6,205,612					
2-3-3	Stanolind	40.00	1,244,827		1,657,424		2,952,739		4,332,573					
2-3-4	Stanolind	17.57	806,882		1,025,258		1,631,951		2,106,102					
2-3-5	Newton	35.08	937,683		1,379,919		2,110,336		3,618,923					
2-3-6	Wassatch	155.92	4,522,541		6,432,558		12,047,181		17,994,791					
2-3-7	Stanolind	102.47	2,144,428		2,886,560		5,119,870		7,019,552					
2-4-1	Stanolind	11.32	381,864		500,236		914,981		1,437,273					
2-4-2	Texas Co.	148.68	4,680,743		6,083,377		10,578,658		15,143,594					
2-4-3	Stanolind	28.27	445,467		626,715		1,082,830		2,692,700					
2-4-4	Newton	6.37	55,188		68,966		111,304		184,913					
2-4-5	Stanolind	39.50	509,291		669,339		1,154,474		1,916,805					
2-4-6	Stanolind	39.51	695,249		1,057,453		1,916,772		2,376,222					
2-4-7	Stanolind	39.51	965,438		1,353,923		2,360,699		3,323,566					
2-4-8	Stanolind	39.50	1,435,964		1,722,933		2,700,336		3,812,875					
2-4-9	Stanolind	30.32	642,436		861,880		1,003,610		1,318,379					
2-5-1	Stanolind	80.00	1,324,473		2,080,248		3,482,824		5,082,241					
2-5-2	Texas Co.	80.00	1,138,567		1,727,112		3,199,085		5,344,425					

TABLE VIII-B
TABULATION BY TRACTS OF
ORIGINAL STOCK TANK OIL AND FREE GAS IN PLACE
DEVELOPED AREA

TRACT NO.	OPERATOR	ACRES	K ≈ 5 Millidarcys			K ≈ 3 Millidarcys			K ≈ 1 Millidarcy			K ≈ 0.1 Millidarcy		
			Oil Zone	Gas Cap	Std. MCF	Oil Zone	Gas Cap	Std. MCF	Oil Zone	Gas Cap	Std. MCF	Oil Zone	Gas Cap	Std. MCF
2-5-3	Texas Co.	40.00	361,108			522,882			890,483			1,409,980		
2-15-3	Stanolind	40.00	204,978			226,940			263,890			348,295		
2-16-4	Texas Co.	70.00	2,386,224			2,793,953			3,400,613			4,040,029		
2-16-5	California	110.00	2,120,771			2,551,631			3,752,620			4,139,292		
2-16-6	Stanolind	40.00	588,251			716,985			829,104			865,670		
2-17-1	Stanolind	40.00	749,341			842,749			972,125			1,024,956		
2-17-2	Stanolind	40.00	311,936			329,295			341,398			367,363		
2-17-3	Stanolind	120.00	2,624,822			3,126,274			3,372,966			3,715,327		
2-17-4	California	240.00	12,848,719			15,698,149			17,495,280			19,630,527		
2-17-5	Texas Co.	70.00	3,327,189			3,966,793			4,396,579			5,053,998		
2-18-1	Stanolind	80.00	1,921,317			2,010,655			2,347,263			2,601,638		
2-18-2	California	472.84	28,043,678			30,929,438			36,422,187			39,261,742		
2-18-3	California	80.00	5,261,824			5,572,060			6,760,014			7,585,188		
2-19-1	California	480.00	51,503,174			58,582,923			75,810,369			86,147,181		
2-19-2	California	152.84	19,936,562			21,778,738			26,540,924			29,913,780		
2-20-1	Texas Co.	80.00	5,185,026			6,406,756			8,820,700			10,797,757		
2-20-2	California	240.00	20,110,400			23,003,026			28,998,426			34,105,385		
2-20-3	Texas Co.	240.00	20,832,775			24,652,916			30,913,950			37,951,033		
2-20-4	California	80.00	6,462,708			8,017,138			10,785,526			12,377,701		
2-21-1	Texas Co.	440.00	23,018,416			27,787,979			38,460,891			46,537,144		
2-21-2	California	40.00	1,834,450			2,151,231			2,955,235			3,789,435		
2-21-3	California	80.00	6,581,188			7,855,562			10,717,892			11,796,691		
2-21-4	California	80.00	4,547,850			5,537,679			7,435,159			10,339,520		
2-22-1	Phillips	80.00	2,112,508			2,310,228			3,420,280			4,368,055		
2-22-2	Texas Co.	80.00	1,203,956			1,997,390			2,449,331			3,227,500		

TABLE VIII-B
TABULATION BY TRACTS OF
ORIGINAL STOCK TANK OIL AND FREE GAS IN PLACE
DEVELOPED AREA

TRACT NO.	OPERATOR	ACRES	K ≥ 5 Millidarcys			K ≥ 3 Millidarcys			K ≥ 1 Millidarcy			K ≥ 0.1 Millidarcy		
			Oil Zone Barrels	Gas Cap Std. MCF	Oil Zone Barrels	Gas Cap Std. MCF	Oil Zone Barrels	Gas Cap Std. MCF	Oil Zone Barrels	Gas Cap Std. MCF	Oil Zone Barrels	Gas Cap Std. MCF	Oil Zone Barrels	Gas Cap Std. MCF
2-22-3	Texas Co.	80.00	1,093,281		1,336,563		1,646,905		2,549,173					
2-22-4	California	240.00	6,061,088		8,445,696		12,409,593		16,984,121					
2-23-2	Phillips	80.00	6,987,114		7,567,229		10,304,109		12,918,799					
2-25-2	Wasatch	280.00	9,839,607		11,692,906		15,728,297		21,207,779					
2-25-3	Stanolind	120.00	2,644,115		3,167,027		3,988,304		5,062,672					
2-26-1	Wasatch	80.00	2,741,600		3,413,319		5,146,999		6,966,645					
2-26-2	Phillips	480.00	23,595,974		33,172,499		43,347,961		58,069,276					
2-26-3	Stanolind	80.00	3,094,014		3,807,516		5,865,643		7,465,900					
2-27-1	Phillips	160.00	10,355,696		12,787,101		18,311,834		20,559,641					
2-27-2	California	120.00	6,928,976		8,908,132		12,262,423		15,583,520					
2-27-3	Texas Co.	360.00	23,577,194		30,823,426		41,053,643		55,106,347					
2-28-1	California	320.00	21,223,783		24,907,957		34,252,852		40,038,029					
2-28-2	Texas Co.	240.00	22,144,351		26,307,688		33,491,896		39,395,092					
2-28-3	Sharples	80.00	4,893,986		5,952,427		7,958,890		10,330,330					
2-29-1	California	200.00	14,955,364		18,585,663		25,359,623		33,280,002					
2-29-2	Texas Co.	320.00	24,007,874		29,698,466		40,119,117		52,970,558					
2-29-3	California	120.00	11,144,004		13,458,140		17,278,863		20,174,741					
2-30-1	California	160.00	13,137,863		16,021,299		21,940,380		25,319,597					
2-30-2	California	80.00	7,650,617		9,373,463		12,571,835		13,817,401					
2-30-3	California	312.64	27,868,470		33,323,022		43,832,977		50,131,994					
2-30-4	California	80.00	5,508,247		6,627,895		9,962,659		10,812,870					
2-31-1	Texas Co.	160.00	5,621,230		6,858,277		11,294,668		16,469,503					
2-31-2	California	80.00	3,593,192		4,437,704		7,009,204		8,315,533					
2-31-3	California	232.40	9,254,870		12,166,857		18,031,538		20,715,425					
2-31-4	California	160.00	2,980,284		4,231,255		7,929,517		10,343,994					

TABLE Y-001-B

TABLE Y-001-B
 INFORMATION BY TRACTS OF
 ORIGINAL STOCK-TANK OIL AND FREE GAS IN PLACE
 DEVELOPED AREA

TRACT NO.	OPERATOR	ACRES	K ≥ 3 MmDarcy		K ≥ 1 MmDarcy		K ≥ 0.1 MmDarcy	
			Oil Zone Barrels	Gas Cap Std. MCF	Oil Zone Barrels	Gas Cap Std. MCF	Oil Zone Barrels	Gas Cap Std. MCF
2-31-1	Sharples	160.00	6,219,202	1,439,924	7,734,719	1,654,432	11,918,029	1,932,310
2-32-2	Texas Co.	480.00	14,973,967	1,482,807	20,739,762	1,743,296	32,124,335	2,107,352
2-33-1	California	80.00	3,960,965	60,652	4,705,067	72,310	7,228,033	87,676
2-33-2	Sharples	240.00	9,402,184	874,183	11,473,686	891,778	16,564,545	1,052,320
2-33-3	California	240.00	7,315,366	593,811	9,672,427	593,971	16,388,124	733,444
2-33-4	Sharples	80.00	3,412,039	107,522	3,902,295	120,464	7,635,476	167,434
2-34-1	Texas Co.	320.00	17,447,691	21,183	22,822,094	24,769	36,418,048	32,371
2-34-2	Texas Co.	80.00	4,422,742	28,703	5,436,257	31,337	8,269,042	37,003
2-34-3	Washach	80.00	3,786,641	65,943	4,542,926	70,814	8,639,035	94,814
2-34-4	Stanolind	121.01	5,831,439		7,810,473		12,234,101	24,500
2-34-5	Stanolind	38.23	3,216,221	4,613	4,776,884	4,613	5,394,603	7,000
2-35-1	Stanolind	123.20	4,975,062		6,322,937		10,919,282	12,163
2-35-2	Texas Co.	240.00	12,369,653		16,271,306		24,287,323	34,775
2-35-3	Stanolind	76.31	2,174,905		3,501,243		4,749,596	6,027
2-35-4	Stanolind	331.76	6,093,431		8,678,182		12,159,450	15,452
2-35-5	Stanolind	77.23	3,266,130		4,160,050		7,149,744	10,634
2-36-1	Sharples	133.04	2,497,695		3,448,135		5,007,321	7,571
2-36-2	Stanolind	166.03	8,459,259		11,779,469		18,345,501	24,365
2-36-3	Washach	53.04	1,193,056		1,343,624		2,043,574	3,002
2-36-4	Stanolind	70.00	1,650,644		2,180,133		3,624,123	4,730
2-36-5	Stanolind	74.32	233,183		5,497,415		45,321,617	4,654
2-36-6	Stanolind	26.00	661,229		968,414		1,730,401	2,459
2-36-7	Stanolind	26.00	639,734		3,220,759		15,705,183	2,260
2-36-8	Stanolind	24.52	3,161,613		11,376,585		2,686,880	1,917
2-36-9	California	40.00	1,073,476		2,453,891		5,122,127	1,106

TABLE VIII-B
TABULATION BY TRACTS OF
ORIGINAL STOCK TANK OIL AND FREE GAS IN PLACE
DEVELOPED AREA

TRACT NO.	OPERATOR	ACRES	K ≥ 5 MILLIDARCY			K ≥ 3 MILLIDARCY			K ≥ 1 MILLIDARCY			K > 0.1 MILLIDARCY		
			Oil Zone Barrels	Gas Cap Std.MCF	Oil Zone Barrels	Gas Cap Std.MCF	Oil Zone Barrels	Gas Cap Std.MCF	Oil Zone Barrels	Gas Cap Std.MCF	Oil Zone Barrels	Oil Zone Barrels	Gas Cap Std.MCF	Gas Cap Std.MCF
3-10-2	Stanolind	80.00	3,073,688						3,476,270			3,744,098		
3-10-3	Stanolind	40.00	426,401						480,716			505,356		
3-10-4	California	40.00	1,894,343						2,070,888			2,158,201		
3-10-5	Stanolind	40.00	1,433,565						1,629,889			1,759,193		
3-11-2	California	160.00	5,828,827						7,375,892			7,823,142		
3-12-2	California	40.00	1,147,829						1,400,106			1,401,238		
3-12-5	California	40.00	564,811						906,449			913,630		
3-12-6	Stanolind	40.00	1,100,332						1,382,663			1,439,273		
3-12-7	Stanolind	40.00	1,067,977						1,275,538			1,323,231		
3-13-1	California	120.00	7,667,121						10,237,531			11,077,981		
3-13-2	California	400.00	36,959,892						46,427,617			49,131,649		
3-13-3	Stanolind	40.00	2,358,893						2,735,878			2,907,120		
3-13-4	Phillips	40.00	3,387,538						4,001,323			4,219,965		
3-13-5	California	40.00	4,594,363						6,212,888			6,673,873		
3-14-1	Stanolind	40.00	2,728,526						3,047,515			3,268,533		
3-14-2	California	560.00	63,980,345						76,897,336			82,151,306		
3-14-3	Phillips	40.00	4,047,083						4,490,750			4,881,602		
3-15-1	California	160.00	15,753,191						20,100,914			21,391,619		
3-15-2	Stanolind	320.00	24,792,794						29,906,264			32,895,646		
3-15-3	Continental	80.00	2,463,637						3,095,741			3,825,636		
3-15-4	Stanolind	80.00	5,481,791						6,983,481			8,617,585		
3-16-1	California	80.00	2,285,679						2,680,292			2,826,283		
3-16-7	Wasatch	40.00	560,912						630,040			630,040		
3-22-1	Stanolind	40.00	4,463,650						5,854,880			6,501,371		
3-22-2	Stanolind	40.00	3,253,289						4,199,531			4,757,603		

TABLE VIII-B
TABULATION BY TRACTS OF
ORIGINAL STOCK TANK OIL AND FREE GAS IN PLACE
DEVELOPED AREA

TRACT NO.	OPERATOR	ACRES	K ≥ 5 Millidarcys			K ≥ 3 Millidarcys			K ≥ 1 Millidarcy			K ≥ 0.1 Millidarcy		
			Oil Zone Barrels	Gas Cap Std.MCF	Oil Zone Barrels	Gas Cap Std.MCF	Oil Zone Barrels	Gas Cap Std.MCF	Oil Zone Barrels	Gas Cap Std.MCF	Oil Zone Barrels	Oil Zone Barrels	Gas Cap Std.MCF	Gas Cap Std.MCF
3-22-3	Stanolind	40.00	1,773,564		1,843,392		2,190,550		2,451,672					
3-22-5	Wasatch	80.00	7,137,367		8,201,060		9,413,753		10,396,818					
3-22-6	Stanolind	120.00	8,348,290		9,408,017		10,916,692		11,870,772					
3-23-1	Stanolind	320.00	42,706,747		47,100,042		53,881,413		64,191,287					
3-23-2	California	320.00	37,796,286		41,904,399		48,204,514		54,293,849					
3-24-1	California	160.00	22,369,678		25,408,600		28,762,609		32,821,465					
3-24-2	California	160.00	22,136,100		25,283,121		29,330,321		32,758,457					
3-24-3	Stanolind	160.00	21,927,109		24,029,237		28,532,240		34,085,408					
3-24-4	Stanolind	80.00	11,925,402		13,233,122		15,715,529		18,768,766					
3-24-5	Phillips	40.00	5,922,569		6,619,744		7,840,513		9,510,673					
3-24-6	Wasatch	40.00	5,668,933		6,276,409		7,539,393		9,154,033					
3-25-1	California	480.00	39,264,293	2,347,023	48,056,059	2,805,951	65,497,813	3,433,190	78,274,401	3,433,190				4,109,240
3-25-2	California	160.00	17,203,968	269,829	19,740,379	342,508	26,834,486	342,508	30,075,778	342,508				374,955
3-26-1	California	320.00	26,210,006		30,647,611		39,950,404		46,642,854					
3-26-2	Stanolind	40.00	2,646,800		2,833,527		3,581,167		3,955,799					
3-26-3	Wasatch	40.00	895,693		1,077,717		1,157,310		1,282,366					
3-26-4	Stanolind	120.00	5,264,476		6,344,047		8,250,822		9,374,776					
3-35-1	Wasatch	40.00	930,061		1,139,505		1,650,855		1,920,859					
3-36-1	California	360.00	14,819,774	264,533	18,565,303	333,148	28,459,732	417,427	36,715,570	417,427				596,730
TOTALS		19,730.43	1,176,906,676	17,432,110	1,398,650,767	20,471,217	1,849,170,266	25,030,510	2,281,314,196	25,030,510				32,990,884

SECTION III

ORIGINAL RECOVERABLE STOCK TANK OIL IN PLACE

The portions of the original oil in place, which are considered to be recoverable by the primary depletion of the Weber Sand Reservoir, were estimated on the basis of material balance calculations for each of the four permeability ranges at four elevations in the oil saturated zone of the reservoir.

It was assumed for the purpose of these calculations that reservoir pressure in the gas cap would be depleted at substantially the same rate as the pressure in the oil zone. This procedure permitted the estimation of recovery factors for each permeability range, correlated against the structural elevation in the reservoir. Abandonment reservoir pressures of 25 psig for the ≥ 5 millidarcy range, 100 psig for the 3.0-4.9 millidarcy range, 300 psig for the 1.0-2.9 millidarcy range and 500 psig for the 0.1-0.9 millidarcy range were assumed. Reservoir fluid properties were obtained from the analyses of 26 bottom hole samples from the reservoir, which were correlated against structural elevation, the gas-oil relative permeability ratios employed were based on the laboratory data obtained by an independent service laboratory in 1947 and represents the only information available at the present time. It must be emphasized that subsequent laboratory data employing improved apparatus or actual field performance in the years to come will undoubtedly provide more reliable relative permeability relationships and consequently permit a more accurate estimation of the ultimate recoveries from the reservoir. The Committee is convinced, however, that possible revisions of the relative permeability information would result in only very minor deviations, if any, in the fraction of the total field recovery which has been assigned to each tract on the basis of the present study.

The recovery factors computed in the manner described were applied to the values for stock tank oil in place for each tract as shown in Table VIII-A and VIII-B to derive the figures for estimated recoverable oil by tracts which are presented in Table IX-A for the total field and Table IX-B for the developed area.

The California Company representative does not concur with the other members of the Committee in regard to the minimum permeability which will contribute to commercial production from the reservoir nor with the abandonment pressures employed for the 1.0-2.9 millidarcy and 3.0-4.9 millidarcy ranges of permeability. The basis for this disagreement is the belief that the portions of the reservoir having permeability of less than one millidarcy will never significantly contribute to the commercial oil recovery from the reservoir, and that recovery from the other two low permeability ranges, 1.0-2.9 millidarcys and 3.0-4.9 millidarcys, will be at slow rates over long periods of time and consequently, within

the economic producing life of the reservoir, will not approach the magnitude of the recovery factors employed. Optimistically assuming an average over-all producing rate of one-half the current rate, it will take from 70 to 300 years to deplete the reserves indicated by Tables IX-A and IX-B under some tracts now producing at their maximum capacity.

The California Company representative suggested that in order to determine realistic recovery factors from the different permeability ranges, economic factors, such as: time element, deferred income and increased operating costs should be included in their calculation to arrive at an engineering basis for unitization, although the other members of the Committee were of the opinion that it was not within the scope of the assignment to include such factors.

The other members of the Committee remain convinced that the portions of the reservoir with permeabilities between 5.0 and 0.1 millidarcys will contribute a volume of stock tank oil to the economic recovery from the reservoir which will nearly equal the economical stock tank oil recovery from the parts of the reservoir with permeabilities exceeding 5.0 millidarcys. For that reason, the Engineering Committee, with the dissent of the California Company representative, believes that the estimated recoverable oil in the 5.0-0.1 millidarcy permeability ranges should be included in the estimation of the commercial recovery of oil from the Weber Sand Reservoir of the Rangely Field. This position is substantiated by independent reservoir engineering calculations by the several companies represented and by analogy with other reservoirs of low permeability. The adoption of the high "abandonment" pressures which were employed for the lower ranges of permeability is considered by the Committee, with the exception of the California Company, to represent an adequate concession for the longer productive life of these low permeability zones since it is believed that the actual reservoir pressures at abandonment will be considerably below the values employed in these calculations of recovery factors.

TABLE II-A
TABULATION BY TRACTS OF RECOVERABLE STOCK TANK
OIL ORIGINALLY IN PLACE
TOTAL FIELD

TRACT NO.	OPERATOR	ACRES	K \geq 5 Millidarcys Barrels	K \geq 3 Millidarcys Barrels	K \geq 1 Millidarcy Barrels	K \geq 0.1 Millidarcy Barrels
1-5-1	Stanolind	2.21	28	28	28	28
1-5-2	Stanolind	169.34	97,641	115,738	170,765	181,770
1-5-3	Stanolind	6.47	8,583	10,399	16,609	18,428
1-5-4	Wichita River	3.42	194	194	194	194
1-6-1	Stanolind	32.24	85,362	115,075	190,242	217,486
1-6-2	Wichita River	213.02	735,302	993,021	1,538,698	1,997,839
1-6-3	Stanolind	6.47	40,619	49,605	81,396	102,467
1-6-4	Wasatch	19.80	115,220	155,010	256,909	316,228
1-6-5	Stanolind	196.56	391,189	537,174	903,442	987,775
1-6-6	Wichita River	46.00	15,426	16,280	18,380	18,380
1-6-7	Stanolind	107.87	201,359	257,753	408,540	507,874
1-7-1	Lyster Cook	12.04	3,051	3,155	3,155	3,155
1-7-2	Stanolind	11.59	1,532	1,652	1,652	1,652
1-7-3	Fred Goodstein	26.35	12,519	14,035	16,944	19,623
1-19-1	Fred Goodstein	0.22	-	-	-	-
1-19-2	Wichita River	62.66	16,807	22,137	23,837	27,195
1-29-1	Fred Goodstein	1.81	-	-	-	-
1-29-2	Continental	84.40	19,834	20,202	21,321	24,404
1-30-1	Stanolind	258.90	163,304	180,786	228,169	302,853
1-30-2	Wasatch	315.20	371,180	493,060	673,696	902,087
1-31-1	Wasatch	89.78	182,716	202,260	265,891	389,586
1-31-2	Continental	19.80	22,379	24,694	32,176	45,269
1-31-3	Stanolind	37.83	135,864	145,934	209,645	312,692
1-31-4	Stanolind	307.23	694,085	784,853	1,142,861	1,516,408
1-31-5	Stanolind	40.32	59,550	69,403	94,186	128,323
1-31-6	Stanolind	106.52	447,474	492,657	771,243	1,026,558
1-31-7	Stanolind	20.12	123,971	130,187	211,629	286,810
1-31-8	Stanolind	13.00	82,306	96,542	156,871	201,942
1-32-1	Stanolind	23.66	8,792	9,343	10,818	13,684
1-32-2	Continental	81.02	30,992	37,666	46,173	59,639

TABLE IX-A
TABULATION BY TRACTS OF RECOVERABLE STOCK TANK
OIL ORIGINALLY IN PLACE
TOTAL FIELD

TRACT NO.	OPERATOR	ACRES	K \geq 5 Millidarcys Barrels	K \geq 3 Millidarcys Barrels	K \geq 1 Millidarcy Barrels	K \geq 0.1 Millidarcy Barrels
1-32-4	Stanolind	184.23	118,196	133,349	173,550	218,959
1-32-7	Stanolind	5.31	230	230	230	230
1-32-8	J. E. Pepper	41.06	26,998	30,428	39,184	45,925
1-32-9	Stanolind	13.78	18,421	32,432	35,019	40,586
2-1-1	Stanolind	20.32	126,809	173,355	291,240	370,947
2-1-2	Stanolind	93.32	655,010	874,936	1,391,869	1,759,685
2-1-3	Stanolind	13.32	86,736	115,849	198,449	260,086
2-1-4	Stanolind	6.73	50,575	68,831	107,390	138,850
2-1-5	Stanolind	20.00	133,552	186,530	278,769	359,834
2-1-6	Wasatch	59.14	377,142	548,025	898,018	1,148,852
2-1-7	Stanolind	234.11	1,218,484	1,739,469	2,758,489	3,320,548
2-1-8	Stanolind	37.50	246,205	352,631	554,678	637,097
2-1-9	Continental	73.06	197,102	274,290	444,313	455,288
2-1-10	Newton	80.00	227,869	301,545	466,865	579,047
2-1-11	L. E. Chase	1.00	7,480	9,966	15,617	18,646
2-1-12	Stanolind	0.50	3,630	4,965	7,816	9,382
2-2-1	Stanolind	18.82	128,843	178,327	289,959	359,758
2-2-2	Stanolind	25.37	164,749	222,710	355,344	509,902
2-2-3	Stanolind	7.32	75,703	93,912	151,975	205,524
2-2-4	Stanolind	139.96	914,845	1,181,535	1,992,696	2,739,132
2-2-5	Stanolind	78.91	405,556	570,973	855,919	1,078,091
2-2-6	Stanolind	19.23	113,972	168,728	259,123	326,251
2-2-7	Stanolind	78.93	229,098	364,962	564,754	743,571
2-2-8	Newton	122.87	575,821	861,245	1,348,101	2,138,669
2-2-9	Wasatch	109.59	229,167	333,364	572,717	835,893
2-2-10	Stanolind	39.00	49,284	72,930	106,406	156,376
2-3-1	Stanolind	109.14	1,136,370	1,409,769	2,260,970	3,096,270
2-3-2	Stanolind	40.00	401,877	504,706	781,702	1,212,292
2-3-3	Stanolind	40.00	252,700	334,477	584,343	842,648
2-3-4	Stanolind	17.57	167,831	212,271	342,625	424,571

TABLE IX-A
TABULATION BY TRACTS OF RECOVERABLE STOCK TANK
OIL ORIGINALLY IN PLACE
TOTAL FIELD

TRACT NO.	OPERATOR	ACRES	K \geq 5 Millidarcys Barrels	K \geq 3 Millidarcys Barrels	K \geq 1 Millidarcy Barrels	K \geq 0.1 Millidarcy Barrels
2-3-5	Newton	35.08	201,602	294,604	444,997	748,223
2-3-6	Wasatch	155.92	790,085	1,371,189	2,524,994	3,717,489
2-3-7	Stanolind	127.47	514,773	715,723	1,216,970	1,670,334
2-3-8	Wasatch	105.65	164,747	246,362	405,340	617,911
2-4-1	Stanolind	11.32	77,251	100,630	180,261	277,511
2-4-2	Texas Co.	148.68	957,680	1,237,926	2,113,158	2,976,843
2-4-3	Stanolind	28.27	95,775	133,892	227,806	551,390
2-4-4	Newton	6.37	12,362	15,393	24,551	40,163
2-4-5	Stanolind	39.50	109,854	143,640	243,918	397,832
2-4-6	Stanolind	39.51	148,088	223,608	398,823	490,207
2-4-7	Stanolind	39.51	204,094	284,471	488,041	677,822
2-4-8	Stanolind	39.50	302,558	361,759	558,706	777,097
2-4-9	Stanolind	175.32	375,962	486,382	749,249	1,013,523
2-4-10	Stanolind	2.31	207	207	207	207
2-4-11	Newton	11.28	3,981	5,808	7,431	9,153
2-5-1	Stanolind	101.72	311,714	476,814	786,035	1,114,714
2-5-2	Texas Co.	177.59	375,467	543,793	978,057	1,711,710
2-5-3	Texas Co.	62.69	92,980	136,206	223,537	350,172
2-5-6	Stanolind	10.39	6,534	6,902	8,888	11,710
2-6-1	Texas Co.	51.30	59,787	59,787	136,497	205,263
2-6-2	California	91.90	74,865	106,199	186,058	241,900
2-7-1	Stanolind	7.70	3,646	4,383	4,385	4,385
2-7-2	California	111.90	201,118	221,397	239,877	248,410
2-8-1	Stanolind	0.11	5	5	5	5
2-10-1	Wasatch	28.48	11,819	14,512	19,466	22,379
2-11-1	Wasatch	42.66	23,825	31,928	49,190	54,648
2-11-2	Stanolind	35.47	8,376	9,415	14,876	19,326
2-11-3	Newton	32.45	13,369	19,977	28,206	34,823
2-12-1	Newton	129.70	94,277	118,904	163,186	183,555
2-14-3	Phillips	0.11	-	-	-	-

TABLE IX-A
TABULATION BY TRACTS OF RECOVERABLE STOCK TANK
OIL ORIGINALLY IN PLACE
TOTAL FIELD

TRACT NO.	OPERATOR	ACRES	K ≥ 5 Millidarcys		K ≥ 3 Millidarcys		K ≥ 1 Millidarcy		K ≥ 0.1 Millidarcy	
			Barrels		Barrels		Barrels		Barrels	
2-15-3	Stanolind	84.42	68,459		80,513		90,842		111,825	
2-15-4	Texas Co.	18.06	6,192		7,874		9,126		9,777	
2-15-5	Phillips	6.82	779		782		782		782	
2-16-2	Stanolind	35.65	28,554		31,378		34,919		37,629	
2-16-3	Stanolind	41.51	85,705		90,685		98,622		104,888	
2-16-4	Texas Co.	70.00	567,921		664,145		805,922		954,074	
2-16-5	California	140.00	572,027		690,333		1,005,729		1,102,331	
2-16-6	Stanolind	65.15	166,011		201,269		234,830		244,653	
2-17-1	Stanolind	54.25	192,231		215,350		247,241		260,237	
2-17-2	Stanolind	74.93	107,314		121,298		124,328		132,120	
2-17-3	Stanolind	120.00	640,456		762,059		821,635		903,972	
2-17-4	California	240.00	2,973,194		3,622,864		4,027,937		4,502,176	
2-17-5	Texas Co.	70.00	783,553		932,261		1,031,327		1,181,218	
2-18-1	Stanolind	80.00	468,801		490,461		571,756		632,932	
2-18-2	California	472.84	6,461,263		7,101,036		8,333,609		8,958,595	
2-18-3	California	80.00	1,202,327		1,272,099		1,535,468		1,715,321	
2-19-1	California	480.00	10,990,777		12,469,029		15,990,319		18,050,446	
2-19-2	California	152.84	4,240,507		4,624,048		5,593,639		6,263,141	
2-20-1	Texas Co.	80.00	1,153,668		1,420,372		1,937,922		2,353,301	
2-20-2	California	240.00	4,424,288		5,037,938		6,315,965		7,373,616	
2-20-3	Texas Co.	240.00	4,424,881		5,219,089		6,491,957		7,886,003	
2-20-4	California	80.00	1,383,657		1,707,743		2,274,432		2,592,389	
2-21-1	Texas Co.	440.00	5,133,107		6,177,164		8,471,840		10,174,314	
2-21-2	California	40.00	421,740		493,459		673,154		856,762	
2-21-3	California	80.00	1,417,588		1,686,226		2,277,011		2,494,281	
2-21-4	California	80.00	1,000,527		1,213,934		1,615,251		2,216,744	
2-22-1	Phillips	160.00	654,873		753,898		1,142,831		1,393,763	
2-22-2	Texas Co.	160.00	427,717		669,942		832,650		1,084,328	
2-22-3	Texas Co.	80.00	257,468		314,031		385,565		591,282	
2-22-4	California	240.00	1,366,169		1,894,121		2,757,062		3,746,990	

TABLE IX-A
TABULATION BY TRACTS OF RECOVERABLE STOCK TANK
OIL ORIGINALLY IN PLACE
TOTAL FIELD

TRACT NO.	OPERATOR	ACRES	K ≥ 5 MILLIDARCY Barrels	K ≥ 3 MILLIDARCY Barrels	K ≥ 1 MILLIDARCY Barrels	K ≥ 0.1 MILLIDARCY Barrels
2-23-1	Wasatch	132.29	397,949	468,521	591,228	738,079
2-23-2	Phillips	450.11	1,777,191	1,928,111	2,590,645	3,245,775
2-24-2	Continental	66.46	39,806	43,820	48,432	54,158
2-24-3	Wasatch	120.00	458,900	517,459	663,099	864,434
2-24-4	J. E. Pepper	40.00	79,660	80,475	101,497	132,724
2-24-5	Continental	146.42	195,761	231,785	262,686	339,514
2-25-1	Wichita River	160.00	493,100	614,288	761,276	1,211,252
2-25-2	Wasatch	320.00	2,389,239	2,829,553	3,775,913	5,037,020
2-25-3	Stanolind	160.00	680,597	831,027	1,073,042	1,356,069
2-26-1	Wasatch	80.00	606,713	754,088	1,128,043	1,512,898
2-26-2	Phillips	480.00	5,115,607	7,149,661	9,266,157	12,259,001
2-26-3	Stanolind	80.00	669,545	820,736	1,248,003	1,572,695
2-27-1	Phillips	160.00	2,226,475	2,737,799	3,875,342	4,327,151
2-27-2	California	120.00	1,511,903	1,934,848	2,637,572	3,315,408
2-27-3	Texas Co.	360.00	4,991,292	6,493,436	8,565,055	11,399,059
2-28-1	California	320.00	4,465,484	5,224,424	7,104,617	8,238,511
2-28-2	Texas Co.	240.00	4,606,025	5,453,264	6,879,329	8,019,827
2-28-3	Sharples	80.00	976,840	1,182,912	1,561,939	2,171,991
2-29-1	California	200.00	2,985,091	3,692,636	4,972,237	6,420,874
2-29-2	Texas Co.	320.00	4,775,166	5,879,141	7,840,308	10,181,840
2-29-3	California	120.00	2,221,000	2,670,637	3,391,225	3,920,302
2-30-1	California	160.00	2,594,728	3,150,078	4,254,578	4,864,865
2-30-2	California	80.00	1,527,063	1,862,846	2,467,018	2,694,832
2-30-3	California	312.64	5,492,875	6,541,786	8,498,739	9,633,822
2-30-4	California	80.00	1,081,269	1,295,458	1,913,056	2,065,414
2-31-1	Texas Co.	160.00	1,119,187	1,359,298	2,195,114	3,139,004
2-31-2	California	80.00	704,984	866,454	1,342,440	1,576,403
2-31-3	California	232.40	1,882,441	2,460,761	3,594,404	4,097,901
2-31-4	California	160.00	625,263	882,213	1,623,715	2,095,262
2-32-1	Sharples	160.00	1,230,780	1,522,667	2,303,274	4,113,587

TABLE IX-A
TABULATION BY TRACTS OF RECOVERABLE STOCK TANK
OIL ORIGINALLY IN PLACE
TOTAL FIELD

TRACT NO.	OPERATOR	ACRES	K \geq 5 Millidarcys Barrels	K \geq 3 Millidarcys Barrels	K \geq 1 Millidarcy Barrels	K \geq 0.1 Millidarcy Barrels
2-32-2	Texas Co.	480.00	2,988,804	4,111,404	6,261,959	10,435,725
2-33-1	California	80.00	787,836	932,192	1,407,023	1,880,761
2-33-2	Sharples	240.00	1,871,975	2,274,442	3,233,183	4,918,562
2-33-3	California	240.00	1,497,812	1,916,929	3,183,510	4,532,497
2-33-4	Sharples	80.00	680,029	775,276	1,485,069	2,078,899
2-34-1	Texas Co.	320.00	3,509,478	4,590,633	7,143,457	10,166,070
2-34-2	Texas Co.	80.00	882,779	1,080,110	1,634,284	2,248,451
2-34-3	Wasatch	80.00	754,678	901,637	1,674,160	2,311,037
2-34-4	Stanolind	121.81	1,179,695	1,570,499	2,423,749	3,362,310
2-34-5	Stanolind	38.25	423,244	552,100	858,534	1,234,513
2-35-1	Stanolind	123.20	1,051,230	1,329,805	2,258,429	2,897,543
2-35-2	Texas Co.	240.00	2,582,565	3,397,028	5,003,518	7,051,672
2-35-3	Stanolind	47.31	443,246	706,013	889,784	1,192,343
2-35-4	Stanolind	131.76	1,264,389	1,586,132	2,473,379	3,107,567
2-35-5	Stanolind	97.23	690,506	875,413	1,479,928	2,206,164
2-36-1	Sharples	133.04	548,288	752,590	1,081,464	1,605,391
2-36-2	Stanolind	266.08	1,818,740	2,516,981	3,868,886	5,078,047
2-36-3	Wasatch	53.04	254,825	296,126	444,931	644,749
2-36-4	Stanolind	60.00	404,365	475,090	787,422	1,006,959
2-36-5	Stanolind	34.32	209,811	298,370	528,594	663,216
2-36-6	Stanolind	26.00	141,834	204,682	367,009	509,243
2-36-7	Stanolind	26.00	138,695	209,429	361,773	474,699
2-36-8	Stanolind	41.52	256,220	345,695	581,077	736,575
3-1-1	California	5.17	1,824	2,380	2,791	2,818
3-9-1	California	151.46	368,307	399,379	418,489	438,412
3-10-1	Cameron	11.44	584	584	584	584
3-10-2	Stanolind	160.00	1,041,898	1,093,948	1,164,116	1,236,720
3-10-3	Stanolind	40.00	186,387	111,823	119,875	125,973
3-10-4	California	80.00	576,439	607,137	654,654	685,617
3-10-5	Stanolind	40.00	345,489	364,953	392,238	422,715

TABLE II-A
TABULATION BY TRACTS OF RECOVERABLE STOCK TANK
OIL ORIGINALLY IN PLACE
TOTAL FIELD

TRACT NO.	OPERATOR	ACRES	K = 5 MILLIDARCYS Barrels	K = 3 MILLIDARCYS Barrels	K = 1 MILLIDARCYS Barrels	K = 0.1 MILLIDARCYS Barrels
3-11-1	California	7.32	186	186	186	186
3-11-2	California	320.00	1,866,122	2,174,340	2,338,415	2,450,383
3-12-2	California	76.12	344,430	364,341	415,279	416,744
3-12-3	Stanolind	31.45	48,263	51,367	52,719	53,723
3-12-4	Stanolind	26.74	36,802	41,664	42,926	42,926
3-12-5	California	60.35	153,845	272,075	243,832	246,200
3-12-6	Stanolind	40.00	269,581	303,363	338,213	351,896
3-12-7	Stanolind	40.00	260,586	267,828	310,742	322,212
3-13-1	California	120.00	1,772,638	2,062,413	2,354,669	2,540,911
3-13-2	California	400.00	8,352,935	9,078,276	10,433,069	11,013,354
3-13-3	Stanolind	40.00	553,160	561,386	639,750	678,570
3-13-4	Phillips	40.00	774,052	786,697	910,308	958,016
3-13-5	California	40.00	1,015,354	1,131,114	1,361,643	1,457,666
3-14-1	Stanolind	40.00	639,839	639,839	713,047	763,152
3-14-2	California	560.00	14,459,559	15,649,418	17,300,680	18,428,182
3-14-3	Phillips	40.00	924,758	935,578	1,023,273	1,108,557
3-15-1	California	160.00	3,575,974	3,976,414	4,538,391	4,817,441
3-15-2	Stanolind	320.00	5,746,970	6,238,546	6,907,696	7,573,730
3-15-3	Continental	80.00	577,723	597,574	722,962	888,429
3-15-4	Stanolind	80.00	1,235,596	1,368,455	1,564,751	1,918,371
3-16-1	California	113.06	619,012	644,369	729,216	765,273
3-16-2	Continental	0.22	9	9	9	9
3-16-6	Continental	14.57	13,477	14,080	14,619	14,619
3-16-7	Wasatch	42.45	140,342	140,342	157,577	157,577
3-22-1	Stanolind	40.00	982,003	1,105,264	1,278,592	1,412,480
3-22-2	Stanolind	40.00	723,857	801,745	928,123	1,045,374
3-22-3	Stanolind	74.30	621,182	637,529	736,846	840,731
3-22-4	Continental	23.34	56,395	56,915	64,199	65,545
3-22-5	Wasatch	80.00	1,579,499	1,810,427	2,068,852	2,274,607
3-22-6	Stanolind	142.23	1,976,557	2,215,631	2,610,132	2,837,127

TABLE II-A
TABULATION BY TRACTS OF RECOVERABLE STOCK-TANK
OIL ORIGINALLY IN PLACE
TOTAL FIELD

TRACT NO.	OPERATOR	ACRES	K ≥ 5 Millidarcys Barrels	K ≥ 3 Millidarcys Barrels	K ≥ 1 Millidarcy Barrels	K ≥ 0.1 Millidarcy Barrels
3-22-8	Continental	11.59	36,274	36,780	37,356	38,420
3-23-1	Stanolind	320.00	9,083,725	9,998,409	11,379,096	13,425,606
3-23-2	California	320.00	8,145,100	9,011,501	10,313,104	11,540,714
3-24-1	California	160.00	4,742,372	5,373,252	6,053,445	6,855,881
3-24-2	California	160.00	4,723,844	5,380,942	6,208,189	6,891,437
3-24-3	Stanolind	160.00	4,641,969	5,077,740	5,989,598	7,085,794
3-24-4	Stanolind	80.00	2,511,490	2,781,142	3,281,098	3,880,449
3-24-5	Phillips	40.00	1,226,564	1,367,742	1,608,966	1,929,804
3-24-6	Wasatch	40.00	1,174,036	1,297,050	1,546,616	1,856,788
3-25-1	California	480.00	7,837,153	9,550,668	12,845,415	15,182,253
3-25-2	California	160.00	3,440,794	3,935,647	5,279,271	5,874,372
3-26-1	California	320.00	5,522,448	6,437,926	8,312,439	9,626,167
3-26-2	Stanolind	40.00	582,296	622,554	780,680	858,266
3-26-3	Wasatch	76.57	319,753	362,569	421,109	481,217
3-26-4	Stanolind	120.00	1,182,928	1,421,081	1,834,851	2,074,253
3-26-5	Wasatch	24.36	57,594	67,559	82,305	89,190
3-27-1	Continental	42.08	202,389	205,821	245,360	276,787
3-35-1	Wasatch	89.89	374,798	446,228	584,401	665,419
3-35-2	Bay Petroleum Co.	0.90	69	69	69	69
3-36-1	California	502.12	3,622,271	4,513,427	6,789,481	8,529,075
3-36-2	Wasatch	12.72	7,577	9,730	12,715	12,890
TOTALS		25,464.60	262,766,145	311,266,984	406,898,108	496,156,392

TABLE IX-B
TABULATION BY TRACTS OF
RECOVERABLE STOCK TANK OIL ORIGINALLY IN PLACE
DEVELOPED AREA

TRACT NO.	OPERATOR	ACRES	K > 5 Millidarcys			K > 3 Millidarcys			K > 1 Millidarcy			K > 0.1 Millidarcy		
			Barrels			Barrels			Barrels			Barrels		
1-6-1	Stanolind	12.24	42,313			63,772			101,942			116,830		
1-6-2	Wichita River	165.00	199,224			316,773			609,294			642,625		
1-6-3	Stanolind	6.47	40,619			49,605			81,396			102,467		
1-6-4	Wasatch	19.80	115,220			155,010			256,909			316,228		
1-6-5	Stanolind	40.00	63,772			164,193			277,410			280,851		
1-31-3	Stanolind	37.83	135,864			145,934			209,645			312,692		
1-31-4	Stanolind	30.00	94,111			184,879			331,157			348,582		
1-31-6	Stanolind	106.52	447,474			492,657			771,243			1,026,558		
1-31-7	Stanolind	20.12	123,971			130,187			211,629			286,810		
1-31-8	Stanolind	13.00	82,306			96,542			156,871			201,942		
1-32-4	Stanolind	184.23	118,196			133,349			173,550			218,959		
1-32-8	J. E. Pepper	41.06	26,998			30,428			39,184			45,925		
1-32-9	Stanolind	13.78	18,421			32,432			35,019			40,586		
2-1-1	Stanolind	20.32	126,809			173,355			291,240			370,947		
2-1-2	Stanolind	93.32	655,010			874,936			1,391,869			1,759,685		
2-1-3	Stanolind	13.32	86,736			115,849			198,449			260,086		
2-1-4	Stanolind	6.73	50,575			68,831			107,390			138,850		
2-1-5	Stanolind	20.00	133,552			186,530			278,769			359,834		
2-1-6	Wasatch	59.14	377,142			548,025			898,018			1,148,852		
2-1-7	Stanolind	104.11	793,575			859,647			1,334,636			1,664,218		
2-1-8	Stanolind	37.50	246,205			352,631			554,678			637,097		
2-1-11	L. E. Chase	1.00	7,480			9,966			15,617			18,646		
2-1-12	Stanolind	0.50	3,630			4,965			7,816			9,382		
2-2-1	Stanolind	18.82	128,843			178,327			289,959			359,758		
2-2-2	Stanolind	25.37	164,749			222,710			355,344			509,902		

TABLE IX-B
TABULATION BY TRACTS OF
RECOVERABLE STOCK TANK OIL ORIGINALLY IN PLACE
DEVELOPED AREA

TRACT NO.	OPERATOR	ACRES	K			
			≥ 5	≥ 3	≥ 1	≥ 0.1
			Barrels	Barrels	Barrels	Barrels
2-2-3	Stanolind	7.32	75,703	93,912	151,975	205,524
2-2-4	Stanolind	139.96	914,845	1,181,535	1,992,696	2,739,132
2-2-5	Stanolind	78.91	405,556	570,973	855,919	1,078,091
2-2-6	Stanolind	19.23	113,972	163,728	259,123	326,251
2-2-7	Stanolind	78.93	229,098	364,962	564,754	743,571
2-2-8	Newton	122.87	575,821	861,245	1,348,101	2,138,669
2-2-9	Wasatch	49.59	131,285	133,498	305,361	449,602
2-3-1	Stanolind	109.14	1,136,370	1,409,769	2,260,970	3,096,270
2-3-2	Stanolind	40.00	401,877	504,706	781,702	1,212,292
2-3-3	Stanolind	40.00	252,700	334,477	584,343	842,648
2-3-4	Stanolind	17.57	167,831	212,271	342,625	424,571
2-3-5	Newton	35.08	201,602	294,604	444,997	748,223
2-3-6	Wasatch	155.92	790,085	1,371,189	2,524,994	3,717,469
2-3-7	Stanolind	102.47	459,949	614,977	1,074,089	1,454,274
2-4-1	Stanolind	11.32	77,251	100,630	180,261	277,511
2-4-2	Texas Co.	148.68	957,680	1,237,926	2,113,158	2,976,843
2-4-3	Stanolind	28.27	95,775	133,892	227,806	551,390
2-4-4	Newton	6.37	12,362	15,393	24,551	40,163
2-4-5	Stanolind	39.50	109,854	143,640	243,918	397,832
2-4-6	Stanolind	39.51	148,088	233,608	398,823	490,207
2-4-7	Stanolind	39.51	204,094	234,471	488,041	677,822
2-4-8	Stanolind	39.50	302,558	351,759	558,706	777,097
2-4-9	Stanolind	30.32	137,192	133,302	210,109	269,710
2-5-1	Stanolind	80.00	285,513	446,100	736,737	1,055,628
2-5-2	Texas Co.	80.00	247,944	374,254	688,510	1,122,358

TABLE IX-B
TABULATION BY TRACTS OF
RECOVERABLE STOCK TANK OIL ORIGINALLY IN PLACE
DEVELOPED AREA

TRACT NO.	OPERATOR	ACRES	K				K				K			
			K ≥ 5 Millidarcys		K ≥ 3 Millidarcys		K ≥ 1 Millidarcy		K ≥ 0.1 Millidarcy		K ≥ 0.1 Millidarcy		K ≥ 0.1 Millidarcy	
			Barrels		Barrels		Barrels		Barrels		Barrels		Barrels	
2-5-3	Texas Co.	40.00	81,542		117,207		197,856		309,275		197,856		309,275	
2-15-3	Stanolind	40.00	51,100		56,506		65,700		86,683		65,700		86,683	
2-16-4	Texas Co.	70.00	567,921		664,145		805,922		934,074		805,922		934,074	
2-16-5	California	110.00	516,264		620,388		909,744		1,002,634		909,744		1,002,634	
2-16-6	Stanolind	40.00	145,205		176,859		204,200		219,150		204,200		219,150	
2-17-1	Stanolind	40.00	186,054		209,173		241,064		254,060		241,064		254,060	
2-17-2	Stanolind	40.00	78,243		82,548		85,578		92,059		85,578		92,059	
2-17-3	Stanolind	120.00	640,456		762,059		821,635		903,972		821,635		903,972	
2-17-4	California	240.00	2,973,194		3,622,864		4,027,937		4,502,173		4,027,937		4,502,173	
2-17-5	Texas Co.	70.00	783,553		932,261		1,031,327		1,181,213		1,031,327		1,181,213	
2-18-1	Stanolind	80.00	468,801		490,461		571,756		632,924		571,756		632,924	
2-18-2	California	472.84	6,461,263		7,101,036		8,333,609		8,958,595		8,333,609		8,958,595	
2-18-3	California	80.00	1,202,327		1,272,099		1,535,468		1,715,521		1,535,468		1,715,521	
2-19-1	California	480.00	10,990,777		12,469,029		15,990,319		18,050,446		15,990,319		18,050,446	
2-19-2	California	152.84	4,240,507		4,624,043		5,593,629		6,263,101		5,593,629		6,263,101	
2-20-1	Texas Co.	80.00	1,153,668		1,420,372		1,937,922		2,353,301		1,937,922		2,353,301	
2-20-2	California	240.00	4,424,288		5,047,938		6,315,965		7,373,616		6,315,965		7,373,616	
2-20-3	Texas Co.	240.00	4,424,881		5,219,089		6,491,957		7,886,003		6,491,957		7,886,003	
2-20-4	California	80.00	1,383,657		1,707,743		2,274,432		2,592,369		2,274,432		2,592,369	
2-21-1	Texas Co.	440.00	5,133,107		6,177,164		8,471,840		10,174,314		8,471,840		10,174,314	
2-21-2	California	40.00	421,740		493,459		673,154		856,762		673,154		856,762	
2-21-3	California	80.00	1,417,588		1,686,225		2,277,011		2,494,281		2,277,011		2,494,281	
2-21-4	California	80.00	1,000,527		1,213,934		1,615,251		2,216,744		1,615,251		2,216,744	
2-22-1	Phillips	80.00	493,813		537,956		789,234		1,004,572		789,234		1,004,572	
2-22-2	Texas Co.	80.00	286,636		474,153		579,505		759,995		579,505		759,995	

TABLE IX-B
TABULATION BY TRACTS OF
RECOVERABLE STOCK TANK OIL ORIGINALLY IN PLACE
DEVELOPED AREA

TRACT NO.	OPERATOR	ACRES	K ≥ 5 Millidarcys			K ≥ 3 Millidarcys			K ≥ 1 Millidarcy			K ≥ 0.1 Millidarcy		
			Barrels			Barrels			Barrels			Barrels		
2-22-3	Texas Co.	80.00	257,468			314,031			385,565			591,282		
2-22-4	California	240.00	1,366,169			1,894,121			2,757,062			3,746,990		
0 2-23-2	Phillips	80.00	1,661,493			1,799,216			2,437,458			3,042,431		
0 2-25-2	Wasatch	280.00	2,193,284			2,598,715			3,466,086			4,620,406		
2-25-3	Stanolind	120.00	592,901			707,699			884,770			1,112,515		
0 2-26-1	Wasatch	80.00	606,713			754,088			1,128,043			1,512,693		
0 2-26-2	Phillips	480.00	5,115,607			7,149,661			9,266,157			12,259,001		
2-26-3	Stanolind	80.00	669,545			820,736			1,248,003			1,572,696		
0 2-27-1	Phillips	160.00	2,226,475			2,737,799			3,875,542			4,327,351		
2-27-2	California	120.00	1,511,903			1,934,848			2,637,572			3,315,403		
2-27-3	Texas Co.	360.00	4,991,292			6,493,436			8,565,055			11,339,039		
2-28-1	California	320.00	4,465,484			5,224,424			7,104,617			8,238,511		
2-28-2	Texas Co.	240.00	4,606,025			5,453,264			6,879,329			8,019,327		
2-28-3	Sharples	80.00	976,840			1,182,912			1,561,939			2,171,991		
2-29-1	California	200.00	2,985,091			3,692,636			4,972,237			6,420,576		
2-29-2	Texas Co.	320.00	4,775,166			5,879,141			7,840,308			10,181,240		
2-29-3	California	120.00	2,221,000			2,670,637			3,391,225			3,920,302		
2-30-1	California	160.00	2,594,728			3,150,078			4,254,578			4,864,865		
2-30-2	California	80.00	1,527,063			1,862,846			2,467,018			2,694,832		
2-30-3	California	312.64	5,492,875			6,541,786			8,498,739			9,633,822		
2-30-4	California	80.00	1,081,269			1,295,458			1,913,056			2,065,124		
2-31-1	Texas Co.	160.00	1,119,187			1,359,298			2,195,114			3,139,004		
2-31-2	California	80.00	704,984			866,454			1,342,440			1,576,403		
2-31-3	California	232.40	1,882,441			2,460,761			3,594,404			4,097,901		
2-31-4	California	160.00	625,263			882,213			1,623,715			2,093,282		

TABLE IX-B
TABULATION BY TRACTS OF
RECOVERABLE STOCK TANK OIL ORIGINALLY IN PLACE
DEVELOPED AREA

TRACT NO.	OPERATOR	ACRES	K ≥ 5 Millidarcys Barrels	K ≥ 3 Millidarcys Barrels	K ≥ 1 Millidarcy Barrels	K ≥ 0.1 Millidarcy Barrels
2-32-1	Sharples	160.00	1,230,780	1,522,667	2,301,274	4,113,587
2-32-2	Texas Co.	480.00	2,988,804	4,111,404	6,261,959	10,435,725
2-33-1	California	80.00	787,836	932,192	1,407,023	1,880,761
2-33-2	Sharples	240.00	1,871,975	2,274,442	3,233,183	4,918,562
2-33-3	California	240.00	1,497,812	1,910,929	3,183,510	4,532,497
2-33-4	Sharples	80.00	680,029	775,276	1,485,069	2,078,899
2-34-1	Texas Co.	320.00	3,509,478	4,590,633	7,143,457	10,166,070
2-34-2	Texas Co.	80.00	882,779	1,080,110	1,634,284	2,248,451
2-34-3	Washco	80.00	754,678	901,637	1,674,160	2,311,037
2-34-4	Stanolind	121.81	1,179,695	1,570,499	2,423,749	3,362,310
2-34-5	Stanolind	38.25	423,244	552,100	858,534	1,234,513
2-35-1	Stanolind	121.20	1,051,230	1,329,805	2,258,429	2,897,548
2-35-2	Texas Co.	240.00	2,582,565	3,397,028	5,003,518	7,051,674
2-35-3	Stanolind	47.31	443,246	706,013	889,784	1,192,343
2-35-4	Stanolind	131.76	1,264,389	1,586,132	2,473,379	3,107,567
2-35-5	Stanolind	97.23	690,506	875,413	1,479,928	2,206,164
2-36-1	Sharples	133.04	548,288	752,590	1,081,464	1,605,391
2-36-2	Stanolind	266.08	1,818,740	2,516,981	3,868,886	5,078,047
2-36-3	Washco	53.04	254,825	296,126	444,931	644,749
2-36-4	Stanolind	60.00	404,365	475,090	787,422	1,006,959
2-36-5	Stanolind	34.32	209,811	298,370	528,594	663,216
2-36-6	Stanolind	26.00	141,834	204,682	367,009	509,245
2-36-7	Stanolind	26.00	138,695	209,429	361,773	474,699
2-36-8	Stanolind	41.52	256,220	345,695	581,077	736,575
2-9-1	California	40.00	266,046	260,735	279,461	296,056

TABLE IX-B

TABULATION BY TRACTS OF
RECOVERABLE STOCK TANK OIL ORIGINALLY IN PLACE
DEVELOPED AREA

TRACT	NO.	OPERATOR	ACRES	K > 3 Millidarcys Barrels	K > 1 Millidarcy Barrels	K > 0.1 Millidarcy Barrels
3-10-2	Stanolind	80.00	757,330	803,192	855,927	921,307
3-10-3	Stanolind	40.00	106,387	111,823	119,875	125,973
3-10-4	California	40.00	464,912	466,874	507,447	528,510
3-10-5	Stanolind	40.00	345,489	364,953	392,238	422,715
3-11-2	California	160.00	1,420,016	1,675,072	1,794,358	1,902,366
3-12-2	California	40.00	282,990	297,223	344,751	344,998
3-12-3	California	40.00	140,154	253,963	224,362	226,113
3-12-6	Stanolind	40.00	269,581	303,363	338,213	351,896
3-12-7	Stanolind	40.00	260,586	267,828	310,742	322,212
3-13-1	California	120.00	1,772,638	2,062,413	2,354,669	2,540,911
3-13-2	California	400.00	8,352,935	9,078,276	10,433,069	11,013,354
3-13-3	Stanolind	40.00	553,160	561,386	639,750	678,570
3-13-4	Phillips	40.00	774,052	786,697	910,308	958,016
3-13-5	California	40.00	1,015,354	1,131,114	1,361,643	1,457,866
3-14-1	Stanolind	40.00	639,839	639,839	713,047	763,152
3-14-2	California	560.00	14,459,559	15,649,418	17,300,680	18,428,182
3-14-3	Phillips	40.00	924,758	935,578	1,023,273	1,108,557
3-15-1	California	160.00	3,575,974	3,976,414	4,538,391	4,817,441
3-15-2	Stanolind	320.00	5,746,970	6,238,546	6,907,696	7,573,730
3-15-3	Continental	80.00	571,123	597,574	722,962	888,429
3-15-4	Stanolind	80.00	1,215,596	1,368,455	1,564,751	1,918,371
3-16-1	California	80.00	556,575	573,211	651,637	686,726
3-16-7	Washco	40.00	139,371	139,215	156,407	156,407
3-22-1	Stanolind	40.00	982,003	1,105,264	1,278,592	1,412,480
3-22-2	Stanolind	40.00	723,857	801,745	928,123	1,045,374

TABLE IX-B
TABULATION BY TRACTS OF
RECOVERABLE STOCK TANK OIL ORIGINALLY IN PLACE
DEVELOPED AREA

TRACT NO.	OPERATOR	ACRES	5 Million bbls	3 Million bbls	1 Million bbls	Barrels	Barrels	Barrels
3-22-3	Stanolind	40.00	413,592	1,810,427	599,733	567,812		
3-22-5	Wasatch	80.00	1,579,499	2,178,426	2,068,632	2,274,607		
3-22-6	Stanolind	120.00	1,909,352	2,998,409	2,479,034	2,686,369		
3-23-1	Stanolind	320.00	9,083,725	9,011,501	11,579,036	19,423,606		
3-23-2	California	320.00	8,145,100	5,376,252	10,313,106	11,320,714		
3-24-1	California	160.00	4,742,372	5,380,942	6,033,445	6,253,881		
3-24-2	California	160.00	4,723,844	5,077,710	6,208,189	6,591,937		
3-24-3	Stanolind	160.00	4,641,969	2,781,142	5,939,593	1,063,704		
3-24-4	Stanolind	80.00	2,511,490	1,367,742	3,281,093	3,330,449		
3-24-5	Phillips	40.00	1,226,566	1,297,050	1,608,966	1,529,604		
3-24-6	Wasatch	40.00	3,174,036	9,550,668	1,546,616	1,836,788		
3-25-1	California	40.00	7,837,157	3,935,647	12,845,415	15,182,253		
3-25-2	California	160.00	2,420,794	6,437,926	5,279,271	6,674,372		
3-26-1	California	320.00	5,522,408	622,554	8,312,439	9,626,167		
3-26-2	Stanolind	40.00	582,296	251,785	780,680	858,266		
3-26-3	Wasatch	40.00	209,103	1,721,081	268,743	296,236		
3-26-4	Stanolind	120.00	2,182,928	355,964	1,834,851	2,074,253		
3-35-1	Wasatch	40.00	307,817	3,935,339	6,024,527	536,215		
3-36-1	California	360.00	3,285,933	299,071	390,108	7,701,480		
TOTALS		19,730.43	54,870,874	390,018,775		474,874,634		

SECTION IV

BENEFITS OF UNITIZATION

Unitization of the Rangely Weber Reservoir would permit shutting-in the crestal wells as they begin to produce at excessive gas-oil ratios. This procedure of selectively producing the wells with the lowest gas-oil ratios, if put into effect immediately, would result in an estimated increase in the economical recovery over the life of the reservoir of approximately 20,000,000 barrels of oil. An additional recovery of approximately 30,000,000 barrels should also be realized by returning to the reservoir in the form of a dispersed gas drive, all of the produced gas which is not required for field operations. The increased recovery which is possible under unitization is therefore an estimated 50,000,000 barrels of oil.

The solution gas and gas cap reserves of the Weber Reservoir at the present time are estimated to be approximately 500 billion standard cubic feet. From an engineering standpoint, it is particularly desirable to utilize the largest possible part of the natural reservoir energy represented by this large volume of gas in its present stage of compression to obtain the greatest possible recovery of oil from the Weber Formation. The Committee is unanimous in its conclusion that unitized operation of the Weber Reservoir represents the most effective means of deriving the maximum possible benefit from the available natural energy.

Under the present method of operation, all of the Rangely Field plant residue gas which is not sold or used as field fuel is vented to the air. The accumulation of this excess gas as a reserve for future secondary recovery operations is of utmost importance even if a dispersed type of gas injection program were not undertaken immediately. Each cubic foot of gas which is flared at the present time represents a loss in gas volume which can only be replaced by future purchases of gas from some outside source. The storage of gas for use in secondary recovery operations either in the immediate or foreseeable future can best be accomplished under unitized operation commencing at an early date.

In addition to these two engineering considerations, it is anticipated that a definite reduction in operating costs would be accomplished under unitized operation through the elimination of the duplicate facilities and administrative personnel which are now required.