



17-11-1965 000

CITIES SERVICE OIL COMPANY

P. O. BOX 97 HOBBS, NEW MEXICO

M 3:12

March 23, 1964

New Mexico Oil Conservation Commission
P. O. Box 2088
Santa Fe, New Mexico

Attention: Mr. A. L. Porter, Jr.

Gentlemen:

Cities Service Oil Company respectfully requests administrative approval to commingle liquid production from the Blinebry, Drinkard and Tubbs Pools on the Brunson C Lease SE/4 Section 3-22S-37E, Lea County, New Mexico.

The following data is submitted in support of this application:

<u>Formation</u>	<u>API Gravity</u>	<u>Value/Bbl.</u>	<u>Avg. Daily Prod.</u>	<u>Gross Daily Value</u>
Blinebry	33.0	\$2.87	52	\$ 149.24
Drinkard	36.1	2.93	25	73.25
Blinebry(Cond)	66.0	2.79	1.2	3.35
Tubb(Cond)	66.0	2.79	1.2	3.35
			<u>79.4</u>	<u>\$ 229.19</u>

Expected Gravity of Commingled Crudes = 35.0
Value of Commingled Crudes = \$2.91/Bbl.
Expected Gross Daily Value Commingled Crudes = \$231.05

The proposed commingling facilities will meet all requirements presented in the New Mexico Oil Conservation Commission "Manual for Installation and Operation of Commingling Facilities", September 13, 1961. In support of this application the following information is attached: (1) plat of Brunson C Lease; (2) schematic diagram of lease commingling facilities; (3) marginal well determination 60 day tests on Brunson C #4, 5, 6, and 7.

Your early approval of this application will be appreciated.

Very truly yours,

E. F. Motter
Division Engineer

EFM/sjb

Carson	Marshall	Humble	Continental "A"	Continental "B"	Pan-American
3-4 2 3-E 5 1 7 Gulf "C" E.O. Carson 13 5 1 3 4 10 33 Mobil Corrigan 5 3 2 4 1 1 6 2 Mobil	5 8 7 4 1 6 Mobil E. Owen 2 5 B 1 4 4B Pan Am	4 2 3 Hardison "B" Gulf 4 1 3 6 Mark Owen 7	1 Moran "B" 1 Elliott Lockhart Marathon 35 Cities Service 1 4 3 7 5 2 6 3 5 4 2 6 1 Owen	2 4 3 1 3 2 1 4 5 6 1 Owen	8 5-C-13 Sinclair 36 2 3 "367" Tidewater 1 1 State
Corrigan 8 3 6 1 5 9 7 10 1 2 Amerada 4 1 5 1 5 1 Brunson 7 3 4 Sinclair Tidewater	2 8 1 5 6 Gulf 2 2 B Mid-Cont. "A" 1 Pan Am 5 3 Pan Am 2 2 8 6 8 Sinclair 1 2 1 LE 7 7 D Tidewater	2 8 1 5 6 Gulf 2 1 5 3 1 7 Brunson "C" Gulf 3 6 1 6 1 3 Brunson Eaves Amerada 10 5 1 5 3 13 2 3 Baker 10 Baker "B"	14 16 15 17 13 19 20 18 18 2-C 22 10 1-C 10 Marathon 7 3 5 5 3 1 1 2 8 4 9 24 6 1 25 23 7 4 State	Humble "S" 13 1 1 11 8 3 2 2 6 24 6 1 23 2 4 State	Marathon 4 3 5 Lynch Sunray 4 2 1 Sunray Lynch Christ- mas Penrose Humble A-12 Whitaker Perkins Elliott 7 1-A Penrose
Brunson Argo 7 10 7 13 11 10 8 7 12 9 Greenwood 7 11 5 9 Gas 6 12 10 1 1 Humble	18 17 4 3 14 15 5 5 2 19 Mobil Baker 8 13 2 3 8 13 2 "B"	18 3 6 1 6 1 3 Brunson Eaves Amerada 10 5 1 5 3 13 2 3 Baker 10 Baker "B"	10 Marathon 7 3 5 5 3 1 1 2 8 4 9 24 6 1 25 23 7 4 State	Wortham Shell 11 Mobil 8 2 3 3 1 4 5 1 4 3 8 S.E. Long	Thomas Long 4 3 4 5 1 4 3 1 4 5 1 4 3 8 S.E. Long

LEGEND

- Blinebry Gas
- Lower
- Blinebry Oil
- Blinebry Oil

Hinton

Baker

Skelly

Baker

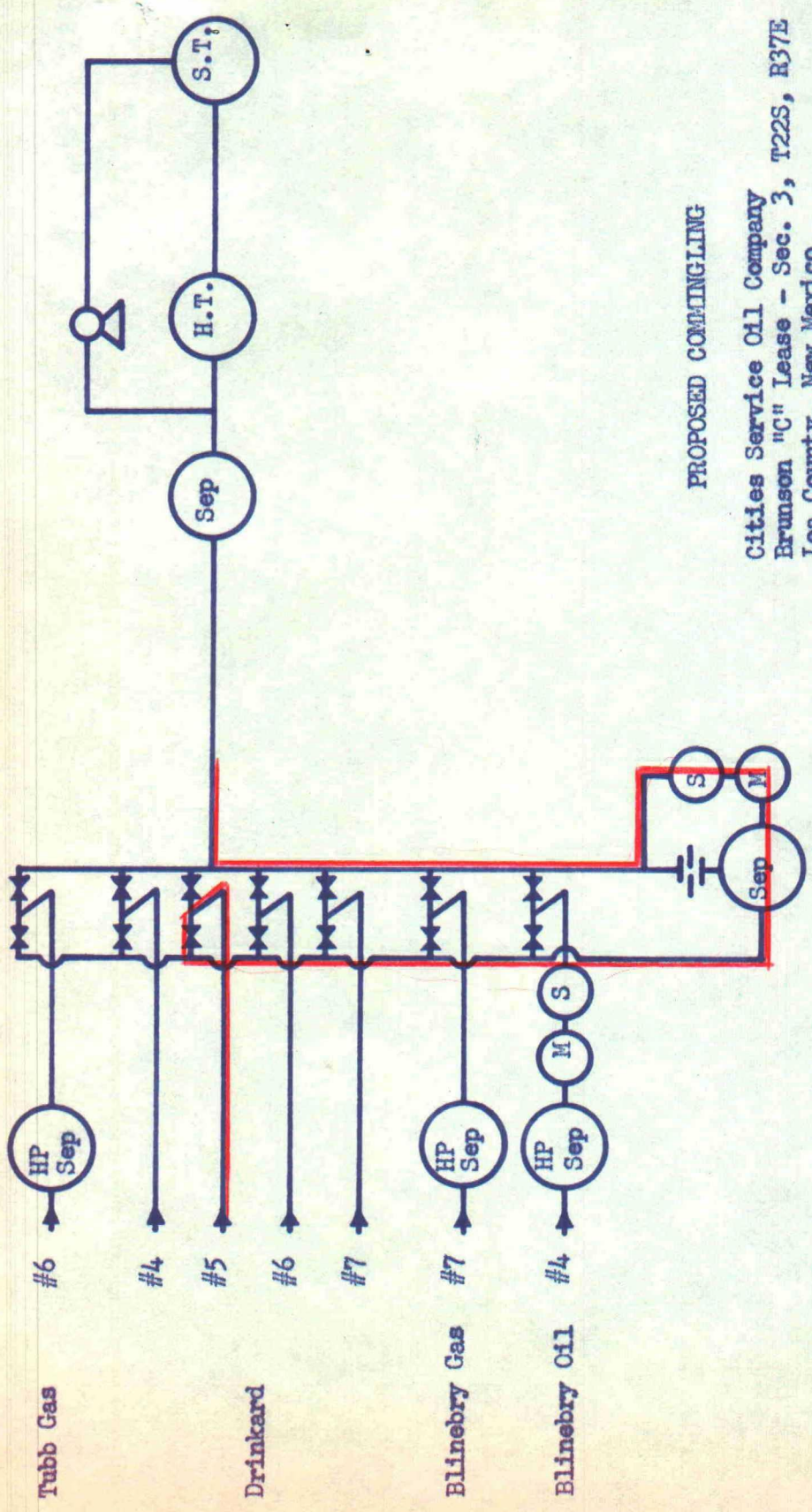
Baker

Thomas Long

S.E. Long

Hinton

Hinton



PROPOSED COMMINGLING

Cities Service Oil Company
 Brunson "C" Lease - Sec. 3, T22S, R37E
 Lea County, New Mexico

— Typical Test Loop
 Symbols from Manual for Commingling Facilities
 9-13-61

Brunson "C" Lease, 60 Day Tabulation of Marginal Well Production

November, 1963	Drinkard, Gravity 36.1°							
	#4		#5		#6		#7	
	Oil	Gas	Oil	Gas	Oil	Gas	Oil	Gas
1	5	95	6	58	5	178	6	111
2	5	95	5	49	5	178	6	111
3	5	95	5	49	6	194	4	74
4	4	76	4	38	4	143	4	74
5	11	186	6	58	6	214	5	92
6	5	95	5	49	8	285	7	129
7	7	133	7	68	7	250	8	148
8	6	114	7	68	6	214	7	129
9	7	133	6	58	6	214	6	111
10	6	114	6	58	6	214	7	129
11	5	95	6	58	5	178	6	111
12	6	114	6	58	7	250	6	111
13	6	114	6	58	7	250	6	111
14	6	114	5	49	6	214	5	92
15	6	114	6	58	5	178	4	74
16	7	133	8	75	5	178	6	111
17	6	114	7	68	4	143	6	111
18	9	171	8	68	4	143	7	129
19	6	114	6	58	3	107	6	111
20	5	95	7	70	3	107	6	111
21	4	76	5	49	3	107	8	148
22	5	95	5	49	3	107	7	129
23	5	95	5	49	4	143	7	129
24	6	114	6	58	4	143	7	129
25	7	133	4	41	6	214	6	111
26	7	133	4	41	5	178	6	111
27	4	76	5	49	5	178	8	148
28	7	133	5	49	4	143	5	92
29	5	95	5	49	4	143	6	111
30	4	76	5	49	4	143	6	111

Brunson "C" Lease, 60 Day Tabulation of Marginal Well Production

Drinkard, Gravity 36.1°

#4 #5 #6 #7
Oil Gas Oil Gas Oil Gas Oil Gas

December, 1963

	Oil	Gas	Oil	Gas	Oil	Gas	Oil	Gas
1	11	146	5	71	7	250	9	166
2	7	133	6	58	6	214	6	111
3	6	114	5	49	6	214	6	111
4	4	76	5	49	5	178	5	92
5	66	114	5	49	6	214	6	111
6	5	95	5	49	6	214	6	111
7	7	133	6	58	6	214	6	111
8	7	133	6	58	6	214	6	111
9	4	76	5	49	6	214	5	92
10	5	95	5	49	6	214	6	111
11	5	95	5	49	6	214	6	111
12	0	0	6	58	7	250	6	111
13	-	-	5	49	5	178	7	129
14	-	-	5	49	5	178	6	111
15	-	-	7	70	7	250	0	0
16	-	-	6	58	5	178	0	0
17	-	-	7	72	6	214	0	0
18	-	-	6	58	6	214	12	222
19	-	-	6	58	5	178	7	129
20	-	-	6	58	5	178	6	111
21	-	-	7	71	6	214	6	111
22	-	-	5	49	4	143	6	111
23	-	-	6	58	5	178	5	92
24	-	-	7	71	6	214	5	92
25	-	-	7	72	6	214	6	111
26	-	-	10	97	7	250	0	0
27	-	-	5	49	6	214	9	166
28	-	-	5	49	5	178	6	111
29	-	-	5	49	5	178	7	129
30	-	-	2	34	2	143	6	111
31	-	-	5	49	5	178	5	111