

MIDLAND, TEXAS

J. W. HOUSE

Coal 98

March 18, 1947

File: 6-1 Proration and Conservation
Re: New Mexico

Mr. W. T. Jordan
Amerada Petroleum Company
P. O. Box 312
Midland, Texas

Mr. R. W. Ely
Cities Service Oil Company
Drawer G
Hobbs, New Mexico

Mr. Paul Evans
Gulf Oil Corporation
P. O. Box 1667
Hobbs, New Mexico

Mr. G. R. Zachry
Humble Oil & Refg Co
Hobbs, New Mexico

Mr. Harve H. Mayfield
Magnolia Petroleum Company
P. O. Box 727
Kermit, Texas

Mr. Ralph Gray
Stanolind Oil & Gas Co
Drawer F
Hobbs, New Mexico

Production Department
Mid-Continent Petroleum Corp
Midland, Texas

Mr. R. E. McMillen
Ohio Oil Company
P.O. Box 552
Midland, Texas

Mr. Charles P. Miller
Hobbs, New Mexico

Mr. G. H. Gray
Sinclair-Prairie Oil Co
Midland, Texas

Mr. W. R. Bollinger
Shell Oil Co
Hobbs, New Mexico

Mr. A. F. Holland
Shell Oil Company
Drawer "D"
Hobbs, New Mexico

Mr. Roy Durst
Rowan Drilling Co
Midland, Texas

Gentlemen:

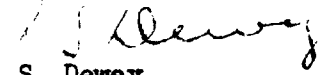
Attached hereto is a tabulation of the gas-oil ratio data on the Pad-dock field. This data has been compiled from information obtained by personal solicitation at your office or from letters addressed to us. In order to place the data on a comparable basis, the month of December 1946 was used. To convert the information supplied to us to apply to December 1946 required an interpreta-tion of some of the material given to us, and an assumption that wells completed subsequent to that time would have had the reported allowable and gas-oil ratio.

#2.

Kindly check the data on the attached tabulation for your properties to determine any errors in computation, the assumptions made, and for additional information which you may care to supply. Any changes which you may care to suggest will be incorporated into a final tabulation for submittal to the Conservation Commission of New Mexico at the hearing April 15, 1946.

J. W. HOUSE

By:


R. S. Dewey

RSD:wrh

HUMBLE OIL & REFINING COMPANY

MIDLAND, TEXAS

March 18, 1947

File: 6-1 Proration and Conservation
Re: New Mexico

Mr. G. R. Zachry
Humble Oil & Refg Co
Hobbs, New Mexico

Mr. Dean Murray
The Texas Company
Midland, Texas

Mr. H. Mayfield
Magnolia Petroleum Company
P. O. Box 727
Kermit, Texas

Mr. William N. Little
Tidewater Associated Oil Company
Midland, Texas

Mr. D. A. Miller
Phillips Petroleum Company
Midland, Texas

Mr. Fred Turner, Jr.
Midland, Texas

Mr. Ralph Gray
Stanolind Oil & Gas Company
Drawer F
Hobbs, New Mexico

Mr. L. H. Wentz
Ponca City, Oklahoma

Gentlemen:

Attached herewith is a tabulation of the gas-oil ratio data on the West Lovington Field. In order to place the data on a comparable basis, the month of December 1946 was used. To convert the information supplied to us to apply to December 1946 required an interpretation of the material given to us.

Kindly check the data on the attached tabulation for your properties to determine any errors in computation, the assumption made, and for additional information which you may care to supply. Any changes which you may care to suggest will be incorporated into a final tabulation for submission to the Conservation Commission of New Mexico at the hearing April 15, 1946.

J. W. HOUSE

By:

R. S. Dewey

RSD:wrh

PADDOCK FIELD

<u>Company</u>	<u>Lease Well</u>	<u>Pump or Flow</u>	<u>Date Tested</u>	<u>G.O.R.</u>	<u>Dec. Runs Barrels</u>	<u>Computed Gas M.C.F.</u>	<u>Dec. Allowable Barrels</u>	<u>Computed Gas M.C.F.</u>	<u>Avg G.O.R.</u>	<u>Remarks</u>
Amerada	Baker 2			3,360	1,697	5,702	1,674	5,625	3,360	100% vented
	Total 1 Well			3,360	1,697	5,702	1,674	5,625	3,360	
Cities Service	Brunson "C" 1			522	1,674x	874	1,674	874		
	2			748	1,674x	1,252	1,674	1,252		
	Owen 4			728	1,674x	1,219	1,674	1,219		
	5			445	1,674x	745	1,674	745		
	Total 4 Wells			611	6,696x	4,090	6,696	4,090	611	xDec allowable assumed 100% vented
Gulf	Eaves 3		11-19-47	749	1,289	965	1,674	1,254		100% vented
	Hugh 1		4-3-46	1,357	1,694	2,299	1,674	2,272		Avg. G.P.M. 1,055 in Jan. Skelly Gasoline Plant took 81% of gas volume computed from G.O.R.
	Paddock 1		8-7-46	1,314	1,778	2,336	1,674	2,200		In Jan. Skelly Gasoline Plant took 4,251 MCF which includes 1,526 MCF used for gas lift giving net 2,725 MCF from formation. This is 42.5% of gas volume computed from G.O.R.
	2		8-9-46	1,979	1,774	3,511	1,674	3,313		
	4		10-3-46	93	1,789	166	1,674	156		
	Total 5 Wells			1,116	8,324	9,277	8,370	9,195	1,099	
	(Note Eaves 4 not reported)									
Humble	Whitaker & Perkins 1	F	10-22-46	820	1,687	1,383	1,674	1,373		100% vented
	N. Mex. State S-1	F	10-24-46	817	1,366	1,116	1,674	1,368		
	2	F	10-25-46	891	1,366	1,217	1,674	1,492		
	3	F	3-5-46	950	1,355	1,287	1,674	1,590		
	4	F	10-26-46	810	1,366	1,106	1,674	1,356		
	5	F	5-21-46	770	1,355	1,043	1,674	1,289		
	6	F	10-27-46	779	1,367	1,065	1,674	1,304		
	7	F	7-22-46	698	1,373	958	1,674	1,168		
	8	F	8-20-46	558	1,354	756	1,674	934		
	9	F	9-12-46	788	1,373	1,082	1,674	1,319		
	10	F	10-4-46	818	1,374	1,124	1,674	1,369		
	11	F	10-27-46	1,142	1,443	1,648	1,674	1,912		
	Total 12 Wells			822	16,779	13,785	20,088	16,474	820	5802 MCF to Skelly Gasoline Plant; balance vented.
Magnolia	S. E. Long 1	F	7-20-46	294	781	230	1,674	492		
	2	F	10-10-46	821	782	642	1,674	1,374		
	3	P	12-21-46	Insufficient gas to measure						Water 31%
	4	F	1-9-46	521	448	233	864	450		Water 6.4%
	Total 3 wells			545	2,011	1,105	4,212	2,316	550	89 MCF used on Lease; Balance vented.

Company	Lease Well (Note Total Dec. Prod.)	Pump or Flow	Date Tested	G.O.R.	Dec. Runs Barrels	Computed Gas M.C.F.	Dec. Allowable Barrels	Computed Gas M.C.F.	Avg G.O.R.	Remarks
Mid-Continent										
	Xmas 1		6-6-46	358	3,503	1,255)				
	Lynch 1		6-4-46	499	1,661	829	1,674	835		
	2		6-4-46	685	1,664	1,140	1,674	1,147		
	3		6-5-46	1,489	1,664	2,478	1,674	2,493		
	4 Wells		6-5-46	501	1,664	834	1,674	839		
				794	6,653	5,281	6,696	5,314	794	100% to Skelly Gasoline Plant
Ohio										
	Lynch 1		5-27-46	996	1,683	1,676	1,674	1,667		
	2		5-22-46	930	1,683	1,565	1,674	1,557		
	3		5-30-46	433	1,684	729	1,674	725		
	Wortham 1		5-22-46	954	1,469	1,402	1,674	1,597		
	2		5-26-46	695	1,469	1,021	1,674	1,163		
	3		5-28-46	876	1,469	1,287	1,674	1,466		
	4		6-4-46	675	1,469	992	1,674	1,130		
	5		7-10-46	645	1,469	948	1,674	1,080		
	6		8-26-46	1,777	1,469	2,610	1,674	2,975		
	7		9-11-46	540	1,460	788	1,674	904		
	8		2-22-47	5,510	1,400	7,714	1,674	9,224		
	Total 11 Wells			1,239	16,724	20,732	18,414	23,488	1,276	Assumed 100% vented.
N. G. Penrose										
	Elliott B-12 1		8-16-46	730	1,682	1,228	1,674	1,222		
	2		8-14-46	791	1,718	1,359	1,674	1,324		
	Hinton 1-A		8-17-46	680	1,271	864	1,674	1,138		G.P.M. 1.16
	6		8-14-46	867	1,684	1,460	1,674	1,451		
	7		8-15-46	683	1,271	868	1,674	1,143		G.P.M. 1.16
	8		12-9-46	861	1,270	1,093	1,674	1,141		G.P.M. 1.16
	Penrose 2		1-29-47	831	1,674x	1,391	1,674	1,391		xAssigned allowable as well shut in while drilling
	Rogers 1		1-20-47	515	1,678	864	1,674	862		offset
	Total 8 Wells			745	12,248	9,127	13,392	9,672	722	Vented 100%
	(Hinton 2 & 3 not reported)									
Repollo										
	Rogers 1	F	9-16-46	931	1,398	1,302	1,674	1,558		
	2	P	9-18-46	718	2,005	1,440	1,674	1,202		Water 13.4%
	Total 2 wells			806	3,403	2,742	3,348	2,760	824	Sale to Skelly Gasoline Plant 567

<u>Company</u>	<u>Lease Well</u>	<u>Pump or Flow</u>	<u>Date Tested</u>	<u>G.O.R.</u>	<u>Dec. Runs Barrels</u>	<u>Computed Gas M.C.F.</u>	<u>Dec. Allowable Barrels</u>	<u>Computed Gas M.C.F.</u>	<u>Avg G.O.R.</u>	<u>Remarks</u>
Shell	Thomas Long 1			678	935	634	1,674	1,135		
	2			Well being worked over to reduce gas-oil ratio						
	3			672	449	302	864	1,125		
	Total 2 Wells			676	1,384	936	2,538	2,260	890	100% vented
Skelly	Baker "B" 4			1,680	1,684	2,839	1,674	2,812		
	5			705	1,674	1,180	1,674	1,180		
	Total 2 Wells			1,197	3,358	4,019	3,348	3,992	1,192	100% vented
Rowan Drlg Co	Elliott B-2-15			Workover						
	B-2-9			Pump no GOR available						
	Walden 5		12- -46	981	1,674x	1,642	1,674	1,642	981	xDec allowable assigned 100% vented
Stanolind	Total 1 Well									
	Grizzell B-2			3,795	1,310	4,971	1,674	6,353	3,795	100% to Skelly Gasoline Plant BHP 1732
	Grand Total 56 Wells			1,014	82,261	83,409	92,124	93,181	1,011	

SUMMARY

Number of Wells	Range of G.O.R.	Average G.O.R.	Dec. Runs Barrels	Computed		Dec. Allowable Barrels	Computed Gas M.C.F.	% Gas
				Gas M.C.F.	% Gas			
46	93 - 1000	713	66,348	47,301	56.8	75,384	54,002	58.0
7	1000 - 2000	1,540	11,506	17,721	21.2	11,718	17,977	19.3
0	2000 - 3000	--	--	--	--	--	--	--
2	3000 - 4000	3,549	3,007	10,673	12.8	3,348	11,978	12.8
0	4000 - 5000	--	--	--	--	--	--	--
1	5000 - 6000	5,510	1,400	7,714	9.2	1,674	9,224	9.9
Total 56		1,014	82,261	83,409	100.00	92,124	93,181	100.0

DISPOSITION OF GAS

	% on Runs	Runs Volume M.C.F.	Allowable Volume MCF	% on Allowable
Lease use MCF	0.1	89	89	0.1
Sold to Skelly Gasoline Plant	25.6	21,314	21,314	22.9
Vented	74.3	62,006	71,778	77.0
Total	100.0	83,409	93,181	100.0

WEST LOVINGTON FIELD

<u>Company</u>	<u>Lease Well</u>	<u>Date Tested</u>	<u>G.O.R.</u>	<u>Dec. Runs Barrels</u>	<u>Computed Gas M.C.F.</u>	<u>Remarks</u>
Humble	Federal Crosby 1	12-2-46	485	1,244	603	
	N. Mex. State P-1	12-3-46	522	1,263	659	
	2	12-4-46	432	1,240	536	
	3	12-5-46	461	1,240	572	
	N. Mex. State Q-1	12-10-46	307	1,240	381	
	2	12-11-46	402	1,252	503	
	3	12-12-46	385	1,240	477	
	Total 7 Wells		428	8,719	3,731	100% vented
Magnolia	N. Mex. State Q-3	5-21-46	--	--	--	Insufficient gas to measure
	R-5	5-21-46	605	1,246	754	
	6	5-29-46	1,232	908	1,119	Water 6%
	7	5-21-46	680	1,246	847	
	8	5-17-46	764	1,247	953	
	9	5-16-46	509	1,247	635	
	Total 5 Wells		731	5,894	4,308	100% vented
Phillips	Mexo 1	4-12-46	439	648	284	
	2	4-5-46	--	--	--	Insufficient gas to measure
	Total 1 Well		439	648	284	Assumed 100% vented
Stanolind	N. Mex State E Tr. 20	11	1,667	1,240	2,068	Echometer BHP 1188
	12		600	1,240	744	1106
	13		910	1,240	1,128	1285
	14		1,691	325	550	1465
	N. Mex. State R-1		655	1,249	818	1188
	Total 5 Wells		1,003	5,294	5,308	Assumed 100% vented
Texas	N. Mex. State "AH" 1	5-27-46	455	1,242	565	Water % 2.91
	2	5-28-46	333	1,242	414	1.48
	3	5-27-46	417	1,238	516	4.3
	4	5-28-46	751	1,232	925	1.58
	5	5-27-46	555	1,239	688	1.97
	6	5-29-46	349	1,233	430	9.1
	7	5-30-46	263	1,249	328	1.68

Company	Lease Well	Date Tested	G.O.R.	Dec. Runs Barrels	Computed Gas M.C.F.	Remarks
Texas	N. Mex State "AJ" 1	P	443	1,264	560	Water % 1.47
	Total 8 Wells	5-30-46	445	9,939	4,426	
			445	10,005	4,456	Dec. Battery Prod. & Ratio. Lease use 930 MCF/Month Balanced Vented
Tidewater	N. Mex State "O" 1	--	428	1,240	531	
	2	--	428	1,216	520	
	Total 2 Wells		428	2,456	1,051	Lease fuel 179 Mcf/month; Balance vented.
Fred Turner Jr.	N. Mex State B-1	P	412	1,240	511	
	2	P	446	1,257	561	
	N. Mex State C-1	P	256	1,240	317	
	2	P	931	1,240	1,154	
	3	P	202	1,240	250	
	4	P	583	1,245	726	
	5	P	525	1,244	653	
	N. Mex State D-4	P	455	1,260	573	
	Total 8 Wells		475	9,966	4,745	100% vented.
L. H. Wentz	N. Mex State B-1	F	468	1,242	581	
	2	F	503	1,242	625	
	3	P	491	1,242	610	
	4	F	586	1,242	728	
	5	P	133	436	58	
	Total 5 Wells		481	5,404	2,602	Assumed 100% vented
	Total Field 41 wells		547	48,320	26,455	

Summary			
Number of Wells	Range G.O.R.	Ave GOR Dec. Runs Barrels	Computed Gas MCF
38	133-1000	496	45,847
3	1000-1691	1,511	2,473
Total 41		547	48,320
			26,455
			100%

Disposition of Gas	
%	Volume MCF
4.2	1,109
9.8	25,346
100.0	26,455

Lease use MCF
Vented