

JOHNSTON OIL AND GAS COMPANY

1453 ESPERSON BUILDING

HOUSTON 2, TEXAS

PRESSURE SURVEY

APRIL 5, 1955

JOHNSTON OIL & GAS
RINCON # 20
RIO ARriba COUNTY
NEW MEXICO

ZERO POINT TUBING GATE
MAXIMUM TEMPERATURE 176°F
WELL SHUT IN 104 HOURS
CASING PRESSURE - NIL, PACKER
TOTAL DEPTH 6759
FLUID LEVEL 2238

<u>DEPTH</u>	<u>PRESSURE</u>	<u>GRADIENT</u>
LUBE	670	
1500	700	.02
5000	1524	.24
6000	1818	.29
6550	1980	.29
6759 (EXTENDED)	2040	.29

SURVEY RAN BY B & R SERVICE CO.
P.O. BOX 1056, FARMINGTON, NEW MEXICO

JAMES W. COPELAND
P. O. BOX 813, FARMINGTON, NEW MEXICO
APRIL 9, 1955



OIL CONSERVATION COMMISSION		
AZTEC DISTRICT OFFICE		
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GAS OIL RATIO SURVEY FOR THE TOWNSEND WOLFCAMP POOL

OPERATOR LEASE	WELL NO.	DATE OF TEST	PRODUCING METHOD	CHOKE SIZE	TEST HOURS	DAILY ALLOWABLE BBL.S.	PRODUCTION DURING TEST WATER BBL.S.	OIL BBL.S.	GAS MCF	GOR CU.FT. PER BBL.
<u>GULF OIL CORP.</u>										
Townsend	1	5-16-55	F	17/64	24	183	0	198.81	267.183	1344
<u>HUMBLE OIL & RFG. CO.</u>										
Townsend ac/1	1	5-10-55	F	11/64	24	183	-	192.04	334.620	1742
"	3	5-12-55	F	11/64	24	183	-	196.27	335.341	1709
"	5	5-13-55	F	32/64	24	80	-	83.87	307.314	3664
Townsend ac/2	6	5-11-55	F	11/64	24	183	-	171.50	364.343	2124
"	7	5-11-55	F	11/64	24	183	-	207.19	421.47	2034
<u>M. A. MACHRIS</u>										
State	32-10	5-10-55	F	14/64	24	183	0	217.33	364.553	1677
"	36-3	5-12-55	F	14/64	24	183	0	216.01	261.743	1212
"	42-10	5-12-55	F	14/64	24	183	0	204.12	204.735	1003
"	32-3	5-12-55	F	15/64	24	183	0	145.09	245.371	1691
"	15-2	5-12-55	F	15/64	24	183	0	218.12	300.08	1376
<u>PURE OIL CO.</u>										
State Lea	1	5-12-55	F	13/64	24	183	0	212.83	398.528	1873
"	2	5-10-55	F	14/64	20	183	0	207.34	314.510	1517
"	3	5-12-55	F	13/64	22	183	0	216.27	420.773	1946
"	4	5-11-55	F	14/64	21	183	0	220.79	347.447	1574
<u>SHELL OIL CO.</u>										
Lusk	1	5-12-55	F	14/64	23	183	0	204.90	274.844	1341
Hilburn	1	5-10-55	F	14/64	20 $\frac{1}{2}$	183	0	202.74	376.073	1855
"	2	5-16-55	F	15/64	23 $\frac{1}{2}$	183	0	196.15	334.66	1655
"	3	5-12-55	F	14/64	24	183	0	183.70	342.269	1863
State TA	1	5-11-55	F	26/64	24	183	0	127.48	698.153	5477
"	2	5-10-55	F	24/64	20 $\frac{1}{2}$	183	0	211.43	470.472	2225
"	3	5-12-55	F	14/64	22	183	0	198.92	418.004	2101
"	4	5-13-55	F	18/64	24	183	0	228.43	528.646	2314
State ETA	1	5-18-55	F	24/64	24	183	0	162.72	403.466	2480

**TOWNSEND WOLF CAMP POOL BOTTOM HOLE PRESSURES
POOL DATUM -6300' NOMINAL S.I. TIME 4.8 Hrs.**

COMPANY LEASE	WELL UNIT	S.T.R.	DATE PRESS. RUN (1955)	TIME S.I. HRS/MIN.	ELEV.	GAUGE DEPTH	GRADIENT TBC. #/100'	B.H.P. @ GAUGE DEPTH	B.H.P. @ FIELD DATUM	PREVIOUS TEST PRESS. DATE (1954)
GULF OIL CORP.										
Townsend	1 J	9-16-35	5/3	50/00	4012	10312	41.1	2975		
HUMBLE OIL & REFG. CO.										
Townsend	1 B	9-16-35	5/3	56/00	4030	10400	28.0	2892	2821	3063 11/12
"	3 C	"	"	59/00	4030	10335	27.0	2910	2849	" "
"	5 D	"	"	60/00	4038	10300	30.0	1395	1360	" "
"	6 G	"	"	70/00	4026	10400	28.0	2928	2858	" "
"	7 K	"	"	71/00	4024	10300	28.0	2913	2829	" "
MACHRIS, M. A.										
State	15-2 T	2-16-35	5/3	57/00	3994	10294	19.7	2815		
"	32-3 G	3-16-35	"	56/45	4018	10318	7.5	2214		
"	32-10 G	10-16-35	"	48/30	4007	10307	30.9	2769	2769	3108 11/10
"	36-3 N	3-16-35	"	55/45	4004	10304	28.6	2868	2868	" "
"	42-10 E	10-16-35	"	55/00	3995	10295	28.8	2766	2766	" "
PURE OIL CO.										
St. Lea	1 D	10-16-35	5/3	49/45	4015	10315	30.5	2809	2809	3086 11/11
"	2 C	"	"	52/00	4012	10312	29.8	2827	2827	" "
"	3 E	"	"	50/15	4018	10318	28.6	2808	2808	" "
"	4 F	"	"	51/15	4027	10327	29.7	2802	2802	" "
SHELL OIL CO.										
Hilburn	1 W	3-16-35	5/3	50/30	3994	10294		2931		
"	2 Q	"	"	53/30	3994	10294		1585		
"	3 T	2-16-35	"	54/00	3987	10287		2958		
Lusk	1 C	11-16-35	"	49/30	3980	10280		2990		
State	1 A	8-16-35	"	49/00	4026	10326		1473		
"	1 Q	4-16-35	"	55/00	4020	10320		1186		11/8
"	2 U	3-16-35	"	53/00	4021	10321		1879		"
"	3 V	"	"	50/30	4011	10311		2802		"
"	4 T	"	"	54/30	4022	10322		1951		"
SIMMONS, MARKING & CO.										
Schenck	1 D	11-16-35	5/3	48/00	3988	10288	28.9	2992	2992	
Townsend	1 A	9-16-35	"	"	4013	10313	29.0	2833	2833	3063 11/9
"	2 H	"	"	"	4013	10313	29.0	2845	2845	" "
SOUTHERN PETROLEUM EXPL. CO.										
Lusk	1 B	11-16-35	5/3	48/00	3992	10292	29.8	2973	2973	

TOWNSEND WOLFCAMP B.H.P. CONT'D.

COMPANY	WELL	DATE PRESS.	TIME S.I.	ELEV.	GAUGE DEPTH	GRADIENT	B.H.P. @	B.H.P. @	PREVIOUS TEST
LEASE	UNIT	S.T.R.	RUN(1955)	HRS/MIN.	DEPTH	TBG. #/100'	GAUGE DEPTH	FIELD DATUM	PRESS. DATE(1954)
STANOLIND OIL & GAS CO.									
St. AG	1 B	10-16-35	5/3	49/47	4017	10317	26.0	2840	11/10
"	2 A	"	"	50/35	4010	10317	27.0	2930	
SUPERIOR OIL CO.									
State "1/4"	1 G	4-16-35	5/3	48/00	4039	10339	29.4	*104.1	11/10
" "26"	1 J	10-16-35	"	48/45	4026	10326		2606	
TEXAS PACIFIC COAL & OIL CO.									
State J	1 L	10-16-35	5/3	48/00	4005	10305	32.7	2760	
WILSHIRE OIL CO. OF TEXAS									
Townsend	1 X	4-16-35	5/3	50/30	4018	10318	3.8	1135	11/9
"	2 W	"	"	49/30	4019	10319	25.7	1660	"
"	3 V	"	"	51/30	4022	10322	6.6	1685	"
"	4 U	"	"	54/30	4026	10326	45.3	1876	"
"	5 T	"	"	56/00	4026	10326	3.4	1196	"
"	46-5 X	5-16-35	"	55/30	4027	10327	8.3	2270	11/10

ALL WELLS RUN

TOTAL PRESSURE

AVERAGE PRESSURE

CHANGE

24 Wells Run Nov. 1954 63,852 2660.5

38 " " May 1955 92,726 2440.2 -220.3

COMPARABLE WELLS

23 Wells Run Nov. 1954 62,179 2703.4

23 " " May 1955 54,499 2369.5 -333.9

* SONOLOG TEST - NOT USED IN TOTALS

GAS OIL RATIO SURVEY FOR THE TOWNSEND WOJ, FCAMP POOL

ERRATA SHEET

OPERATOR LEASE	WELL NO.	DATE OF TEST	PRODUCING METHOD	CHOKE SIZE	TEST HOURS	DAILY ALLOWABLE BBL.S.	PRODUCTION DURING TEST WATER BBL.S.	OIL BBL.S.	GAS MCF	GOR CU.FT. PER BBL.
HUMBLE OIL & RFG. CO.										
Townsend ac/2	6	5-10-55	F	11/64	24	183	-	231.2	364.343	1576

TOWNSEND WOLF CAMP POOL BOTTOM HOLE PRESSURES
POOL DATUM -6300' NOMINAL S.I. TIME 4.8 Hrs.

COMPANY	WELL	DATE PRESS.	TIME S.I.	ELEV.	Gauge	GRADIENT	B.H.P. @	B.H.P. @	PREVIOUS TEST
LEASE	UNIT	S.T.R.	RUN(1955)	HRS/MIN.	DEPTH	TBG. #/100'	Gauge DEPTH	FIELD DATUM	PRESS. DATE(1954)
GULF OIL CORP.									
Townsend	1 J	9-16-35	5/3	50/00	4012	10312	41.1	2975	—
HUMBLE OIL & RFG. CO.									
Townsend	1 B	9-16-35	5/3	56/00	4030	10400	28.0	2892	2821
"	3 C	"	"	59/00	4030	10335	27.0	2910	2849
"	5 D	"	"	60/00	4038	10300	30.0	1395	1360
"	6 G	"	"	70/00	4026	10400	28.0	2928	2858
"	7 K	"	"	71/00	4024	10200	28.0	2913	2829
MACHRIS, M. A.									
State	15-2 T	2-16-35	5/3	57/00	3994	10294	19.7	2815	2815
"	32-3 G	3-16-35	"	56/45	4018	10318	7.5	2214	2214
"	32-10 G	10-16-35	"	48/30	4007	10307	30.9	2769	2769
"	36-3 N	3-16-35	"	55/45	4004	10304	28.6	2868	2868
"	42-10 E	10-16-35	"	55/00	3995	10295	28.8	2766	2766
PURE OIL CO.									
St. Lea	1 D	10-16-35	5/3	49/45	4015	10315	30.5	2809	3086
"	2 C	"	"	52/00	4012	10312	29.8	2827	3049
"	3 E	"	"	50/15	4018	10318	28.6	2808	3075
"	4 F	"	"	51/15	4027	10327	29.7	2802	3086
SHELL OIL CO.									
Hilburn	1 W	3-16-35	5/3	50/30	3994	10294		2931	2931
"	2 Q	"	"	53/30	3994	10294		1585	1585
"	3 T	2-16-35	"	54/00	3987	10287		2958	2958
Lusk	1 C	11-16-35	"	49/30	3980	10280		2990	2990
State	1 A	8-16-35	"	49/00	4026	10326		1473	1473
ETA	1 Q	4-16-35	"	55/00	4020	10320		1186	1186
T "A"	2 U	3-16-35	"	53/00	4021	10321		1879	1879
"	3 V	"	"	50/30	4011	10311		2802	2802
"	4 T	"	"	54/30	4022	10322		1951	1951
SIMMONS, MARKHAM & CONE									
Schenck	1 D	11-16-35	5/3	48/00	3988	10288	28.9	2992	2992
Townsend	1 A	9-16-35	"	"	4013	10313	29.0	2833	2833
"	2 H	"	"	"	4013	10313	29.0	2845	2845
SOUTHERN PETROLEUM EXPL. CO.									
Lusk	1 B	11-16-35	5/3	48/00	3992	10292	29.8	2973	2973

TOWNSEND WOLFECAMP B.H.P. CONT'D.

COMPANY	WELL	DATE PRESS.	TIME S.I.	ELEV.	GAUGE DEPTH	GRADIENT	B.H.P. @	B.H.P. @	PREVIOUS TEST
LEASE	UNIT	S.T.R.	RUN(1955)	HRS/MIN.	DEPTH	TBG.#/100'	GAUGE DEPTH	FIELD DATUM	PRESS. DATE(1954)
STANOLIND OIL & GAS CO.									
St. AG	1 B	10-16-35	5/3	49/47	4017	10317	26.0	2840	3147 11/10
"	2 A	"	"	50/35	4010	10317	27.0	2930	"
SUPERIOR OIL CO.									
State #4"	1 G	4-16-35	5/3	48/00	4039	10339	29.4	*1041	1673 11/10
" #26"	1 J	10-16-35	"	48/45	4026	10326	29.4	2606	"
TEXAS PACIFIC COAL & OIL CO.									
State J	1 L	10-16-35	5/3	48/00	4005	10305	32.7	2760	"
WILSHIRE OIL CO. OF TEXAS									
Townsend	1 X	4-16-35	5/3	50/30	4018	10318	3.8	1135	1507 11/9
"	2 W	"	"	49/30	4019	10319	25.7	1660	1975 "
"	3 V	"	"	51/30	4022	10322	6.6	1685	2143 "
"	4 U	"	"	54/30	4026	10326	45.3	1876	2246 "
"	5 T	"	"	56/00	4026	10326	3.4	1196	"
"	46-5 X	5-16-35	"	55/30	4027	10327	8.3	2270	2654 11/10
ALL WELLS RUN									
				TOTAL PRESSURE	AVERAGE PRESSURE		CHANGE		
24 Wells Run Nov. 1954				63,852	2660.5		-220.3		
38 " " May 1955				92,726	2140.2				
COMPARABLE WELLS									
23 Wells Run Nov. 1954				62,179	2703.4		-333.9		
23 " " May 1955				54,499	2369.5				

* SONOLOG TEST - NOT USED IN TOTALS

Case File 7

COMMENCE PREFLOW
TESTSCOMMENCE G.O.R.
TESTS

COMPANY	LEASE	WELL NO.	S.T.R.	DATE	TIME	DATE	TIME
GULF OIL CO.	Townsend	1	9-16-35	5-23-55	1:30P.M.	5-24-55	1:30P.M.
HUMBLE OIL & RFG.	Townsend	1	9-16-35	5-9-55	11:00A.M.	5-10-55	11:00A.M.
"	"	3	"	"	"	5-11-55	11:00A.M.
"	"	5	"	"	"	5-12-55	11:00A.M.
"	"	6	"	5-9-55	11:00A.M.	5-10-55	11:00A.M.
"	"	7	"	"	"	5-11-55	11:00A.M.
M. A. MACHRIS	State	42-10	10-16-35	5-9-55	8:45A.M.	5-10-55	8:45A.M.
"	"	32-10	"	5-9-55		5-11-55	8:45A.M.
"	"	36-3	3-16-35	5-23-55	8:00A.M.	5-24-55	8:00A.M.
"	"	32-3	3-16-35	5-23-55	8:30A.M.	5-24-55	8:20A.M.
"	"	15-2	2-16-35	5-23-55	9:15A.M.	5-24-55	9:15A.M.
PURE OIL CO.	State	1	10-16-35	5-9-55	1:00P.M.	5-10-55	1:00P.M.
"	"	2	"	"		5-11-55	1:00P.M.
"	"	3	"	5-9-55	1:00P.M.	5-10-55	1:00P.M.
"	"	4	"	"	"	5-11-55	1:00P.M.
SHELL OIL CO.	Lusk	1	11-16-35	5-23-55	10:00A.M.	5-24-55	10:00A.M.
"	Hillburn	1	3-16-35	5-9-55	2:30P.M.	5-10-55	2:30P.M.
"	"	2	"	"	"	5-11-55	2:30P.M.
"	"	3	"	"	"	5-12-55	2:20P.M.
"	State "TA"	1	4-16-35	5-9-55	2:00P.M.	5-10-55	2:00P.M.
"	"	2	3-16-35	"	"	5-11-55	2:00P.M.
"	"	3	"	"	"	5-12-55	2:00P.M.
"	"	4	"	"	10:45A.M.	5-24-55	10:45A.M.
"	State "ETA"	1	8-16-35	5-23-55	11:15A.M.	5-24-55	11:15A.M.
SOUTHERN PET. CORP.	Tusk	1	11-16-35	5-23-55	3:00P.M.	5-24-55	3:00P.M.
SIMMONS, MARKHAM & CONE	Schenck	1	11-16-35	5-11-55	10:15A.M.	5-12-55	10:15P.M.
"	Townsend	1	9-16-35	5-9-55	10:15A.M.	5-10-55	10:15P.M.
"	"	2	"	"	"	5-12-55	10:15P.M.
STANOLIND OIL & GAS	State "Z"	1	4-15-35	5-23-55	2:15P.M.	5-24-55	2:15P.M.
"	State "AG"	1	10-16-35	5-9-55	8:00A.M.	5-10-55	8:00A.M.
"	"	2	"	"	"	5-12-55	8:00A.M.
SUPERIOR OIL CO.	State R	1	4-16-35	5-26-55	8:00A.M.	5-26-55	8:00A.M.
"	State 26	1	10-16-35	5-26-55	8:45A.M.	5-27-55	8:45A.M.
WILSHIRE OIL CO.	Townsend	1	4-16-35	5-26-55	9:30A.M.	5-27-55	9:30A.M.
"	"	2	"	5-26-55	9:45A.M.	5-27-55	9:45A.M.
"	"	3	"	5-26-55	10:00A.M.	5-27-55	10:00A.M.
"	"	4	"	5-9-55	9:30A.M.	5-10-55	9:30A.M.
"	"	5	"	"	"	5-12-55	9:30A.M.
"	"	46-5	"	5-26-55	10:30A.M.	5-27-55	10:30A.M.
T-B COAL & OIL CO.	State N.M.T.	1	1-16-35	5-26-55	11:15A.M.	5-27-55	11:15A.M.

JOHNSTON OIL AND GAS COMPANY

1453 ESPERSON BUILDING

HOUSTON 2, TEXAS

PRESSURE SURVEY

APRIL 5, 1955

JOHNSTON OIL & GAS
RINCON # 11
RIO ARriba COUNTY
NEW MEXICO

ZERO POINT TUBING GATE
MAXIMUM TEMPERATURE 168°F
WELL SHUT IN 102 HOURS
CASING PRESSURE- NIL, PACKER
TOTAL DEPTH 6717
FLUID LEVEL 4025

<u>DEPTH</u>	<u>PRESSURE</u>	<u>GRADIENT</u>
LUBE	1252	
4000	1533	.7
5000	1670	.14
6000	1815	.15
6500	1930	.15
6660	1996	.41
6717 (EXTENDED)	2009	.23

SURVEY RAN BY B & R SERVICE CO.
P.O. BOX 1056, FARMINGTON, NEW MEXICO

JAMES W. COPELAND
P. O. BOX 813, FARMINGTON, NEW MEXICO
APRIL 9, 1955

JOHNSTON OIL AND GAS COMPANY

1453 ESPERSON BUILDING

HOUSTON 2, TEXAS

PRESSURE SURVEY
APRIL 5, 1955

JOHNSTON OIL & GAS
RINCON # 6
RIO ARRIPEA COUNTY
NEW MEXICO

ZERO POINT TUBING GATE
MAXIMUM TEMPERATURE 178°F
WELL SHUT IN 121 HOURS
CASING PRESSURE 1250 P.S.I.
TOTAL DEPTH 6717
FLUID LEVEL 4025

<u>DEPTH</u>	<u>PRESSURE</u>	<u>GRADIENT</u>
LUBE	1205	
2500	1317	.04
5000	1439	.05
6000	1719	.28
6813	1961	.30
6863	1977	.32
6883 (EXTENDED)	1984	.35

SURVEY RUN BY B & R SERVICE CO.
P. O. BOX 1056, FARMINGTON, NEW MEXICO

JAMES W. COPELAND
P. O. BOX 813, FARMINGTON, NEW MEXICO
APRIL 9, 1955

GAS OIL RATIO SURVEY FOR THE TOWNSEND WOLF CAMP POOL

OPERATOR LEASE	WELL NO.	DATE OF TEST	PRODUCING METHOD	CHOKE SIZE	TEST HOURS	DAILY ALLOWABLE BBL'S.	PRODUCTION DURING TEST WATER BBL'S.	OIL BBL'S.	GAS MCF	GOR CU.FT. PER BBL.
GULF OIL CORP.										
Townsend	1	5-16-55	F	17/64	24	183	0	198.81	267.183	1344
HUMBLE OIL & RFG. CO.										
Townsend ac/1	1	5-10-55	F	11/64	24	183	-	192.04	334.620	1742
"	3	5-12-55	F	11/64	24	183	-	196.27	335.341	1709
"	5	5-13-55	F	32/64	24	80	-	83.87	307.314	3664
Townsend ac/2	6	5-11-55	F	11/64	24	183	-	171.50	364.343	2124
"	7	5-11-55	F	11/64	24	183	-	207.19	421.47	2034
M. A. MACHRIS										
State	32-10	5-10-55	F	14/64	24	183	0	217.33	364.553	1677
"	36-3	5-12-55	F	14/64	24	183	0	216.01	261.743	1212
"	42-10	5-12-55	F	14/64	24	183	0	204.12	204.735	1003
"	32-3	5-12-55	F	15/64	24	183	0	145.09	245.371	1691
"	15-2	5-12-55	F	15/64	24	183	0	218.12	300.08	1376
PURE OIL CO.										
State Lea	1	5-12-55	F	13/64	24	183	0	212.83	398.528	1873
"	2	5-10-55	F	14/64	20	183	0	207.34	314.510	1517
"	3	5-12-55	F	13/64	22	183	0	216.27	420.773	1946
"	4	5-11-55	F	14/64	21	183	0	220.79	347.447	1574
SHELL OIL CO.										
Lusk	1	5-12-55	F	14/64	23	183	0	204.90	274.844	1341
Hilburn	1	5-10-55	F	14/64	20 $\frac{1}{2}$	183	0	202.74	376.073	1855
"	2	5-16-55	F	15/64	23 $\frac{1}{2}$	183	0	196.15	334.66	1655
"	3	5-12-55	F	14/64	24	183	0	183.70	342.269	1863
State TA	1	5-11-55	F	26/64	24	183	0	127.48	698.153	5477
"	2	5-10-55	F	24/64	20 $\frac{1}{2}$	183	0	211.43	470.472	2225
"	3	5-12-55	F	14/64	22	183	0	198.92	418.004	2101
"	4	5-13-55	F	18/64	24	183	0	228.43	528.646	2314
State ETA	1	5-18-55	F	24/64	24	183	0	162.72	403.466	2480

GAS OIL RATIO SURVEY FOR THE TOWNSEND WOLF CAMP POOL
ERRATA SHEET

OPERATOR	WELL NO.	DATE OF TEST	PRODUCING METHOD	CHOKE SIZE	TEST HOURS	DAILY ALLOWABLE BBL'S.	PRODUCTION DURING TEST	GOR
LEASE							WATER BBL'S. OIL BBL'S. GAS MCF	CU.FT. PER BBL.
HUMBLE OIL & RFG. CO.								
Townsend ac/2	6	5-10-55	F	11/64	24	183	- 231.2 364.343	1576