

Sun 6 •	Gulf 1 •	Shell 2 •	3 •	Amerada 2 •	1 •	
5 *	Weir 3 •	1 * Dual	4 •	4 •	3 * Dual	T
4 •	1 •	Amerada 2 •	3 •	3 •	Gulf 2 •	19 S
2 •	Shell 1 * Dual	1 * Dual	4 * 5	4 * Dual	5 • Dual	
Maveety Superior	State "A"	State "F"	Graham	State "F"		
2 •	1 •	1 •	5 • 4	4 • 6	1 •	
4 •	3 •	2 •	3 * Dual	3 • 8	7 • 2	T
State "A"	Amerada	State "D"	1	J.R. Phillips		20 S
Amerada 2 •	Gulf 2 •	Texas Co. 3 •	4 • 5	Amerada 3 • 2 •	Skelly 3 • 2 •	
1 •	1 •	1 *	2 •	1 •	1 •	
State "J"	Graham State "B"	State "E"	State "H"	State "D"		

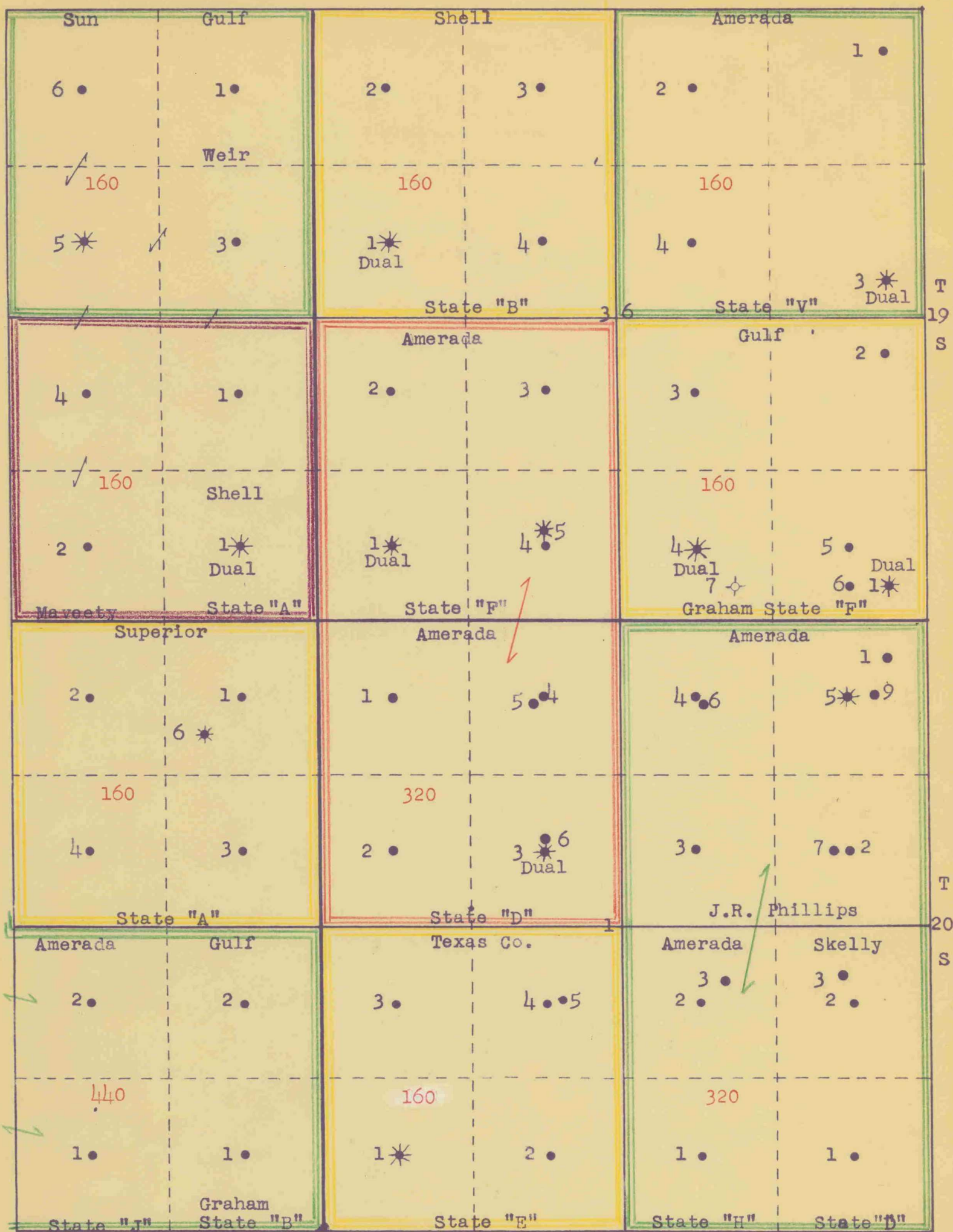
R-36-E

AMERADA PETROLEUM CORPORATION

Proposed Gas Unit-320 Acres

SW/4 Sec. 36, T-19-S, R-36-E

NW/4 Sec. 1, T-20-S, R-36-E



R-36-E

AMERADA PETROLEUM CORPORATION

Proposed Gas Unit-320 Acres

SW/4 Sec. 36, T-19-S, R-36-E

NW/4 Sec. 1, T-20-S, R-36-E

BEFORE THE
OIL CONSERVATION COMMISSION
SANTA FE, NEW MEXICO
CASE 125 EXHIBIT No. 1

NEW MEXICO OIL CONSERVATION COMMISSION

BEFORE THE
OIL CONSERVATION COMMISSION
SANTA FE, NEW MEXICO
125 EXHIBIT No. 2

CASE

Form C-122

Revised 12-1-55

MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Pool Eumont Formation Queen County Lea

Initial _____ Annual X Special _____ Date of Test 6-26-56

Company Amerada Petroleum Corporation Lease _____ State "F" Well No. 1

Unit M Sec. 36 Twp. 19-S Rge. 36-E Purchaser Permian Basin Pipe Line Company

Casing 7" Wt. 26.0# I.D. 6.276" Set at 3798' Perf. 3274' To 3352'

Tubing 3 1/2" Wt. 9.3# I.D. 2.992 Set at 3722 Perf. _____ To _____

Gas Pay: From 3274 To 3352 L 3274 xG 0.670 -GL 2194' Bar.Press. 13.2

Producing Thru: Casing X Tubing _____ Type Well Gas-Oil Dual

Date of Completion: 3-14-55 Packer 3677 Single-Bradenhead-G. G. or G.O. Dual
Reservoir Temp. 91°F

OBSERVED DATA

Tested Through (Proven) (Choke) (Meter) Type Taps _____ Pipe _____

No.	Flow Data					Tubing Data		Casing Data		Duration of Flow Hr.
	(Proven) (Line) Size	(Choke) (Orifice) Size	Press. psig	Diff. h _w	Temp. °F.	Press. psig	Temp. °F.	Press. psig	Temp. °F.	
SI								989.5		72-3/4
1.	4"	2.75"	461.3	5.2	82			838.6		24
2.	4"	2.75"	463.9	7.3	77			816.0		23-1/2
3.	4"	2.75"	469.2	16.3	74			726.6		24-1/2
4.	4"	2.75"	484.6	26.8	75			698.4		23-1/2
5.										

FLOW CALCULATIONS

No.	Coefficient (24-Hour)	$\sqrt{h_{wpf}}$	Pressure psia	Flow Temp. Factor F _t	Gravity Factor F _g	Compress. Factor F _{pv}	Rate of Flow Q-MCFPD @ 15.025 psia
1.	73.11	49.67	474.5	0.9795	0.9463	1.050	3534
2.	73.11	59.01	477.1	0.9840	0.9463	1.050	4219
3.	73.11	88.68	482.4	0.9868	0.9463	1.052	6369
4.	73.11	115.5	497.8	0.9859	0.9463	1.056	8319
5.							

PRESSURE CALCULATIONS

Gas Liquid Hydrocarbon Ratio Dry Gas cf/bbl.

Gravity of Liquid Hydrocarbons _____ deg.

F_c 1.612 (1-e^{-s}) 0.140

Specific Gravity Separator Gas .67

Specific Gravity Flowing Fluid _____

P_c 902.7 P_c² 814.867

No.	P _w P _t (psia)	P _t ²	F _c Q	(F _c Q) ²	(F _c Q) ² (1-e ^{-s})	P _w ²	P _c ² -P _w ²	Cal. P _w	P _w / P _c
1.	851.8	725.563	5.697	32.455	4.544	725.568	89.299	851.8	94.36
2.	829.2	687.573	6.801	46.254	6.476	687.579	127.288	829.2	91.86
3.	775.8	601.866	10.267	105.411	14.758	601.881	212.986	775.81	85.94
4.	711.6	506.375	13.410	179.983	25.198	506.400	308.467	711.62	78.83
5.									

Absolute Potential: 16,500 MCFPD; n 0.69

COMPANY Amerada Petroleum Corporation

ADDRESS Drawer D - Monument, New Mexico

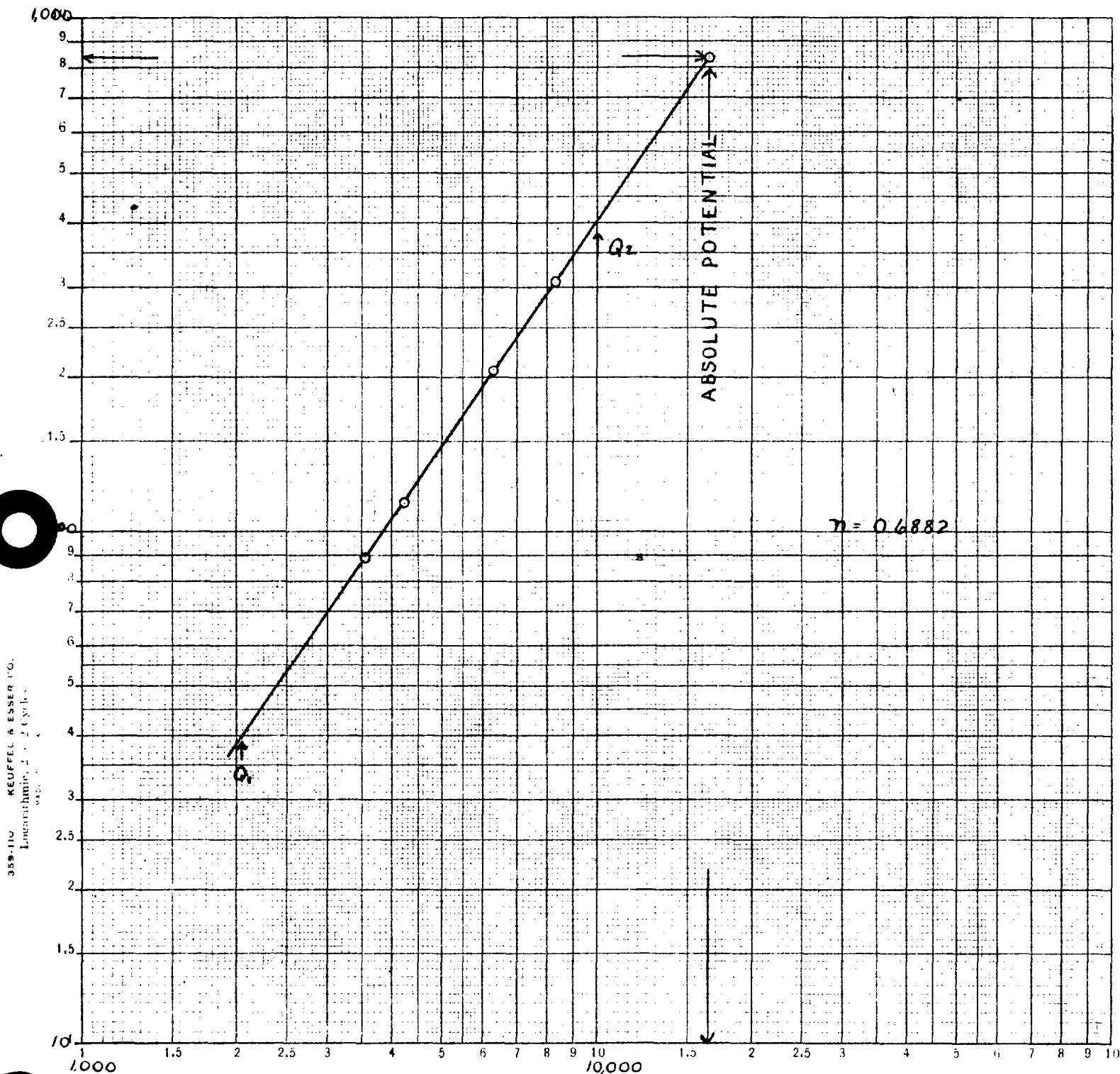
AGENT and TITLE W.G. Abbott - District Engineer

WITNESSED _____

COMPANY Permian Basin Pipe Line Company

REMARKS

COMPANY AMERADA PETROLEUM CORPORATION
 WELL STATE "F" NO. 1
 LOCATION 36-19S-36E
 COUNTY LEA
 DATE 6-26-56



Q - MCFD - 15.025 psia