

Name and Location of Well	Completion Date	Elevation Feet	Total Depth Feet	Casing Record	Producing Zone Interval	Treatment Zone (s)	Initial Potential BOPD	Drilled Deeper Total Depth	Drilled Deeper Date	New Producing Zone Interval	Treatment Zone (s)	Potential After Deepening BOPD	Workover History	Cumulative Recovery	Estimated Cumulative Recovery	By Zones 1-1-66 San Andres	Remarks	Present Status
<u>Anadarko Production Co.</u>																		
Langford No. 1 330' SW, 2310' EML of Sec. 9 T-188, R-29E	12-15-39	3406'	2495'	7" O.D. set at 2395' with 100 sacks	2457'-63' Lower Loco Hills	Shot with 90 Qts. 2456 -74'	150P (Net.)	-	-	-	-	-	-	75,272	75,272	-	Well only penetrated Loco Hills. All Loco Hills oil.	Pumping
Langford No. 2 230' SW, 2310' EML of Sec. 9 T-188, R-29E	2-26-40	3402'	2497'	7" O.D. set at 2338' with 100 sacks	2457'-73' Lower Loco Hills	Shot with 90 Qts. 2456'-75'	425F (After Shot)	-	-	-	-	-	-	70,156	70,156	-	Well only penetrated Loco Hills. All Loco Hills oil.	Pumping
Langford No. 3 2310' SW, 920' EML of Sec. 9 T-188, R-29E	5-5-40	3405'	2650'	7" O.D. set at 2345' with 100 sacks	2422'-40' Lower Loco Hills 2485'-91' Metex (260') 2646'-3' Metex (108')	Shot 2427 -47' No details Not treated Shot 2645'-55' with 100 Qts.	75F (Net.)	-	-	-	-	-	-	32,838	19,703	13,135	Well penetrated Loco Hills and Metex. Shot Loco Hills and 108' Metex - large portion of oil came from Loco Hills in view of performance of other wells completed in Metex only. Comparable to recovery from Langford 4. Plugged and abandoned 1946.	P & A
Langford No. 6 990' SW, 1650' EML of Sec. 9 T-188, R-29E	3-11-57	3501'	2910' P.B. 2576'	5 1/2" O.D. set at 2813' with 150 sacks	2466'-76' Loco Hills 2550'-56' 2650'-54' Metex (210') 2813'-2950' San Andres	Perforated and treated with 3400 lbs. sand Perforated and treated with 28,000 lbs. sand Treated open hole with 20,000 lbs. sand 30,000 gallons oil - no test reported	20P (After frac)	-	-	-	-	-	-	4,904	2,942	1,962	Well drilled into San Andres. Completion attempt made in San Andres - plugged off. Loco Hills did not take frac treatment. Recovery from well prorated between Loco Hills and Metex. Loco Hills may not be perforated in right place.	Pumping
State 0-16 No. 1 330' SW, 1650' EML of Sec. 16 T-188, R-29E	1-13-40	3512'	2655'	7" O.D. set at 2391' with 100 sacks	2507'-22' Loco Hills 2623'-47' Metex (210')	Shot 2507'-30' with 400 Qts.	173F (After shot)	-	-	-	-	-	-	51,644	51,644	-	Well drilled thru Metex - Metex was not stimulated so probably not too prolific. Based on performance of offset wells, all oil assumed from Loco Hills. Plugged and abandoned well 1957.	P & A
Kemper State No. 1 1650' SW, 990' EML of Sec. 16 T-188, R-29E	5-27-40	3521'	2661'	7" O.D. set at 2402' with 100 sacks	2485'-93' Loco Hills 2605'-15' Metex (210')	Shot 2474'-2535' with 400 Qts.	20P (After shot)	-	-	-	-	-	-	452	452	-	Well drilled thru 210' Metex - Metex was not stimulated so probably not too good. All oil credited to Loco Hills which was also poor. Well P & A 8-17-46, shortly after completion.	P & A
Dowell Drilling Company Carter No. 1 660' SW, 660' EML of Sec. 16 T-188, R-29E	11-9-39	3501'	2626'	7" O.D. set at 2283' with 100 sacks	2454'-59' Loco Hills 2562'-85' Metex	Shot 2449'-2623' with 500 Qts.	105F (After Shot)	-	-	-	-	-	-	58,748	35,249	23,499	Well drilled thru 210' Metex - Loco Hills and Metex stimulated at same time. Scout ticket reported slight show of oil 2454'-49' (Loco Hills) and 2523' (260' Metex). Recovery prorated on 50-50 basis since both zones were stimulated.	Pumping
Cities Service Oil Co. Wallbridge No. 1 330' SW, 2310' EML of Sec. 16 T-188, R-29E	10-25-39	3517'	2527'	7" O.D. set at 2168' with 50 sacks	2488'-2525' Loco Hills	Shot 2500'-25' with 100 Qts.	667F (After shot)	2717'	9-7-52	M.R.	M.R.	N.R.	-	92,248	92,248	-	Well originally drilled thru Loco Hills only. Cumulative recovery at time of deepening 75,947 bbls. - all from Loco Hills. No additional shows encountered in deepening. Slight increase in production due to cleanout of well -all oil from Loco Hills. Well produced 15,665 bbls. since deepening.	Pumping
Breakover No. 1 1650' SW, 2310' EML of Sec. 16 T-188, R-29E	1-8-40	3539'	2680' P.B. 2655'	7" O.D. set at 2393' with 20 sacks	2530' Loco Hills 2638' Metex (210')	Shot 2525'-2650' with 400 Qts.	67F (After shot)	-	-	-	-	-	-	31,045	18,627	12,418	Well drilled thru 210' Metex - Loco Hills and Metex stimulated at same time. Oil and gas shows reported at 2530' (Loco Hills) and 2638' (210' Metex). Recovery prorated on 50-50 basis since both zones were stimulated.	Pumping

TABLE I
FAR WEST LOCO HILLS SAND UNIT
WELL COMPLETION AND HISTORY DATA
ZONE 4 GRAYBURG (LOCO HILLS SAND) WELLS
LOCO HILLS FIELD
ENDY COUNTY, NEW MEXICO

Name and Location of Well	Completion Date	Elevation Feet	Total Depth Feet	Casing Record	Producing Zone (s)		Initial Potential BOPD	Drilled Deeper Total Depth	Drilled Deeper Date	New Producing Zone (s)		Potential After Deepening BOPD	Workover History	Cumulative Recovery	Estimated Cumulative Recovery		By Zones 1-1-06 San Andres	Remarks	Present Status
					Interval	Treatment				Interval	Treatment				Loco Hills	Metex			
Depco, Inc. Banner Miller No. 1 2310' NSL, 1650' WEL of Sec. 4 T-185, R-29E	3-29-40	3524'	2588'	7" O.D. set at 2397' with 100 sacks	2525'-29' Upper Loco Hills 2551'-55' Lower Loco Hills	Shot with 300 Qts. 2520'-49'	96F	-	-	-	-	-	-	13,062	13,062	-	-	Well only penetrated Loco Hills - Abandoned 1946. Plugged 1952.	P & A
Banner Miller No. 2 2310' NSL, 1650' WEL of Sec. 4 T-185, R-29E	6-10-40	3525'	2860' P.E. 2655'	7" O.D. set at 2406' with 100 sacks	2510'-15' Upper Loco Hills 2633'-45' Metex (210')	Shot with 65 Qts. 2629'-49'	45P	-	-	-	-	-	-	10,196	6,118	4,078	-	Well drilled to San Andres. Plugged back to base of Metex (210') shot. Metex with Nitro. Loco Hills not stimulated. Show oil and gas 2633'-45'. Without sufficient data production split 50-50. Abandoned 1946 - Plugged and abandoned 1952.	P & A
Asasako Production Co. H. G. Watson No. 1 2310' NSL, 1650' WEL of Sec. 4 T-185, R-29E	10-20-39	3533'	2638'	6 5/8" O.D. set at 2388' with 100 sacks	2478'-83' Upper Loco Hills 2498'-2513' Lower Loco Hills 2555'-62' Metex (260')	Shot with 1000 Qts. 2484'-2638'	25P	-	-	-	-	-	-	53,665	32,199	21,466	-	Well drilled through Metex (210'). Scout report indicated show of oil 2478'-83' an increase in oil 2555'-62' with 50' OIH, slight show of gas natural in 12 1/2 hrs.- Both Loco Hills and Metex stimulated with Nitro. Recovery by zones estimated on basis of recovery from J. Cleo Thompson's Miller #3, diagonal offset to NW, which produced from Metex only (20,785 bbls.). Driller reported small show of oil from Loco Hills - oil credited to this well probably came from Watson Nos. 2, 3, and 4. P & A May 1951.	P & A
H. G. Watson No. 2 330' NSL, 1650' WEL of Sec. 4 T-185, R-29E	12-10-39	3509'	2543'	6 5/8" O.D. set at 2409' with 100 sacks	2495'-2507' Upper Loco Hills 2518'-59' Lower Loco Hills	Shot with 165 Qts. 2495'-2537'	60F	2640'	9-48	2630'-40' Metex (210')	Shot with 40 Qts. 2630'-40'	M.R.	Shot with 20 Qts. 2530'-40' and 20 Qts. 2518'-48' in Loco Hills Zone in conjunction with deepening.	50,401	50,401	-	-	Well originally drilled thru Loco Hills only. Cumulative recovery at time of deepening 9-1-48 was 46,563 bbls. of oil, all from Loco Hills. Deepened thru 210' Metex and treated with Nitro. No increase in production. 3,638 bbls. produced after deepening from Loco Hills. P & A 4-5-51 - pulled 1800' of 6 5/8" O.D. casing.	P & A
H. G. Watson No. 3 330' NSL, 2310' WEL of Sec. 4 T-185, R-29E	2-15-40	3512'	2594' P.E. 2528'	6 5/8" O.D. set at 2370' with 100 sacks	2420'-39' Upper Loco Hills 2441'-55' Lower Loco Hills	Shot with 450 Qts. 2432'-2528'	60F	-	-	-	-	-	-	43,602	43,602	-	-	Well originally drilled through 210' Metex (84v. lime 2575'-94' with no shows reported). Oil show reported in Upper Loco Hills and no shows reported in Lower Loco Hills (84v. lime). Plugged back above Metex and shot Loco Hills. Well produced all Loco Hills oil. SIM off 16' when pay drilled - all intervals 16' lower to 2493'.	P & A
H. G. Watson No. 4 1650' NSL, 2310' WEL of Sec. 4 T-185, R-29E	4-5-40	3525'	2552'	7" O.D. set at 2429' with 50 sacks	2509'-33' Lower Loco Hills	Shot with 130 Qts. 2518'-40'	310P	2612'	3-50	2590'-2600' Metex (260')	Shot 2545'-75' with 30 Qts. 2575'-2600' with 100 Qts. on 5-29-50	15P (Nat.)	Shot 2512'-45' with 90 Qts. in Loco Hills Zone in conjunction with deepening.	41,281	41,281	-	-	Well originally drilled thru Loco Hills only. Cumulative recovery at time of deepening 3-1-50 was 39,815 bbls. -all from Loco Hills. Deepened thru 210' Metex and treated with Nitro - no apparent increase in production. 1,466 bbls. produced after deepening from Loco Hills. P & A 4-11-51 - pulled 1841' of 7" and 171' of 8 5/8".	P & A
H. G. Watson No. 1-A 2310' NSL, 2310' WEL of Sec. 4 T-185, R-29E	4-8-59	3530'	3295'	5 1/2" O.D. set at 3295' with 225 sacks	2504'-20' Lower Loco Hills 3102'-3122' San Andres	Perforated and treated with 55,000 lbs. sand and 911 bbls. of oil 4-6-59 Perforated and treated with 30,000 lbs. sand and 900 bbls. oil	45P	-	-	-	-	-	-	13,526	8,116	-	5,410	Well drilled thru San Andres. Completed in Loco Hills and San Andres. Natural test Loco Hills - 4 gallons oil per hour San Andres - 2 gallons oil per hour. Recovery split on this basis.	Pumping.
H. G. Watson No. 2-A 660' NSL, 1985' WEL of Sec. 4 T-185, R-29E	7-10-59	3516'	3166' P.E. 2850'	5 1/2" O.D. set at 3157' with 150 sacks	2484'-95' Lower Loco Hills 2600'-02', 2608'-14' 2624'-22', 2624'-22' and 2624'-22', 2624'-22' and 300 bbls. oil 7-17-59	Perforated and treated with 45,000 lbs. sand and 840 bbls. oil 8-24-59 Perforated and treated with 54,000 lbs. sand	17P	-	-	-	-	-	-	9,479	9,479	-	-	Well drilled thru San Andres. Completed in 172' and 210' Metex. Reported no fluids on sand after treatment. Well produced all oil from Loco Hills on basis of results of deepening offset wells - Metex foot pay. Possible pay in Upper Loco Hills not open.	Pumping

Name and Location of Well	Completion Data	Elevation Feet	Total Depth Feet	Casing Record	Producing Zone (s)		Initial Potential BOPD	Drilled Deeper Total Depth	Drilled Deeper Date	New Producing Zone (s) Interval	Treatment	Potential After Deepening BOPD	Workover History	Estimated Cumulative Recovery		By Zones 1-1-66 San Andres	Remarks	Present Status
					Interval	Producing Zone (s) Interval								Cumulative Recovery	Loco Hills Metex			
Gordon Cone Langford No. 1 1938' NSL, 660' EWL of Sec. 9 T-188, R-29E	9-15-39	3495'	2725' P.B. 2475'	7" O.D. set at 2318' with 100 sacks	2435'-52' Loco Hills	Shot 2442'-62' with 380 Qts.	50F (After shot)	-	-	-	-	-	-	34,154	34,154	-	Well drilled to Premier and plugged back to Loco Hills. Show of oil reported 2435'-41'. Converted to gas input 1941. Abandoned during 1950. Produced all Loco Hills oil.	T. A.
Langford No. 2 1650' NSL, 2310' EWL of Sec. 9 T-188, R-29E	12-10-39	3483'	3498' P.B. 2500'	7" O.D. set at 2380' with 100 sacks	2478'-98' Loco Hills	Shot at 2500' with 100 Qts.	600 F (After Shot)	-	-	-	-	-	-	77,431	77,431	-	Well reported to be drilled well into San Andres, may be incorrect. Plugged back to base of Loco Hills and shot with Nitro. Produced all Loco Hills oil.	Pumping
J. Cleo Thompson Langford No. 1 1660' NSL, 660' EWL of Sec. 9 T-188, R-29E	7-6-39	3488'	2562' P.B. 2475'	7" O.D. set at 2225' with 100 sacks	2432'-41' and 2430'-58' Loco Hills	Shot at 2428' with 120 Qts.	120F (After Shot)	-	-	-	-	-	-	65,542	65,542	-	Well drilled to 210' Metex. Plugged back to base of Loco Hills sand and stimulated with Nitro. High GOR well - produced all Loco Hills oil.	Pumping
Langford No. 2 997' NSL, 1650' EWL of Sec. 9 T-188, R-29E	8-12-39	3400'	2489'	7" O.D. set at 2226' with 100 sacks	2455'-89' Loco Hills	Shot at 2455' with 150 Qts.	528F (After Shot)	2696	5-7-48	2577'-98' Metex (210') 2644'-99' Metex (110')	Shot with Nitro Amount not reported	30P (After shot)	-	62,842	62,842	-	Well originally drilled to Loco Hills only. Cumulative recovery at time of deepening 59,801 bbls. All from Loco Hills. Shot Metex after deepening with only slight increase in production probably due to clean-out. Data in area indicates Metex to be poor -- all oil produced from Loco Hills since recovery since deepening has been only 3,041 bbls. Temporarily abandoned 1952. P & A 1956.	P & A
Newmont Oil Company Breezy State No. 1 370' SML, 330' EWL of Sec. 16 T-188, R-29E	4-3-40	3495'	2766'		D & A			2909'	12-15-56	2528'-36' Loco Hills	Perforated and treated with 13,000 gallons of oil & 15,000 lbs. sand	7 BO 7 BW Pumping	-	3,985	3,985	-	Well drilled thru Metex zone during April, 1940 by Allen, Fair and Pope (Stage "B" No.3). Dry and abandoned. Re-entered by Mix and Curtix during December 1956. Attempted to complete Metex in open hole. 2640'-99', fracture treated with 650 BO and 25,000 lbs. sand - tested 3 BOPD and 15 BWPD, 5 1/2" O.D. casing set at 2640' with 100 sacks. Plugged back and completed in Loco Hills.	Pumping.
State "B" No. 1 1650' SML, 2310' EWL of Sec. 16 T-188, R-29E	7-31-40	3540'	2685'	7" O.D. set at 2425' with 100 sacks	2545'-60' Loco Hills	Shot 2535'-2685' with 400 Qts.	125F (After Shot)	3395'	5-17-50	-	-	-	-	22,754	22,754	-	Well originally drilled thru 210' Metex. Shot Loco Hills and Metex although no shows reported in Metex. Show reported in San Andres on deepening but not commercial since well was P & A during June 1951. Based on performance of offset wells from Metex all recovery credited to Loco Hills.	P & A
State "B" No. 2 1650' SML, 990' EWL of Sec. 16 T-188, R-29E	10-12-40	3513'	2600' P.B. 2600'	7" O.D. set at 2399' with 100 sacks	2534'-55' Loco Hills	Shot 2518'-62' with 100 Qts.	35P (After Shot)	-	-	-	-	-	-	15,816	15,816	-	Well drilled thru Loco Hills only. Cumulative recovery from Loco Hills only.	Pumping
														935,043	853,075	76,558		
																5,410		



Production Rate Barrels Oil per Month

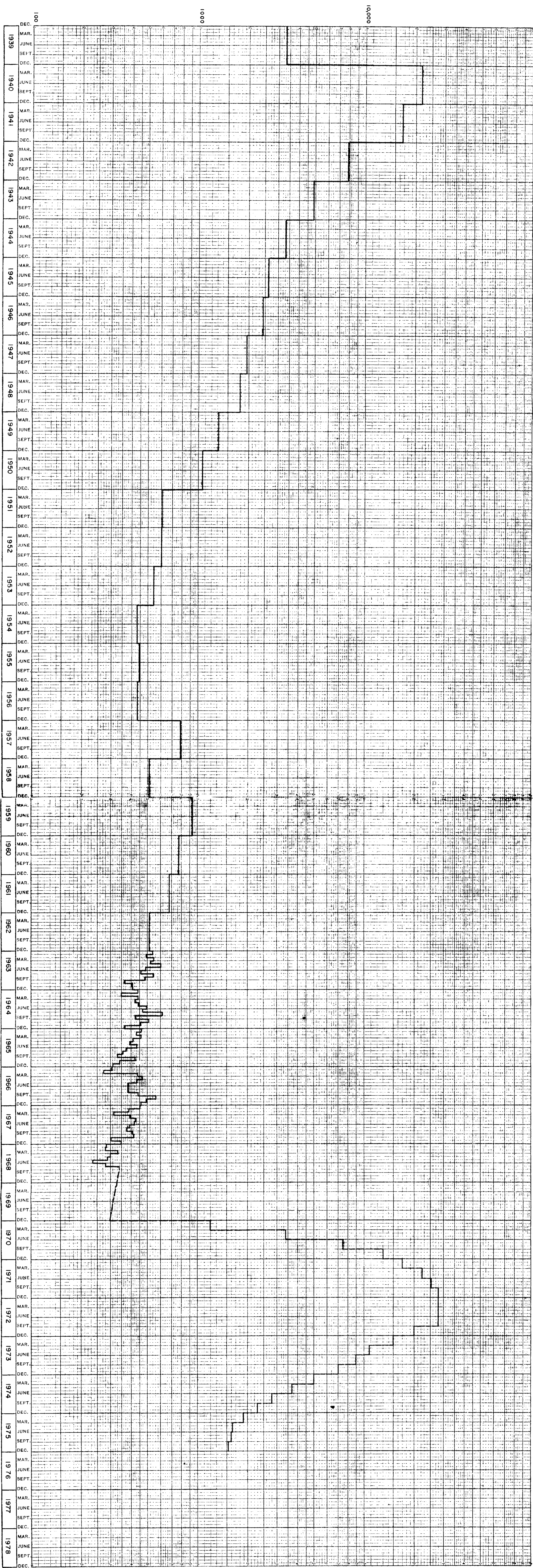


FIGURE 6
Far West Loco Hills Sand Unit
Post Production and Predicted Waterflood Performance
Zone 4 Grayburg (Loco Hills Sand)
Eddy County, New Mexico

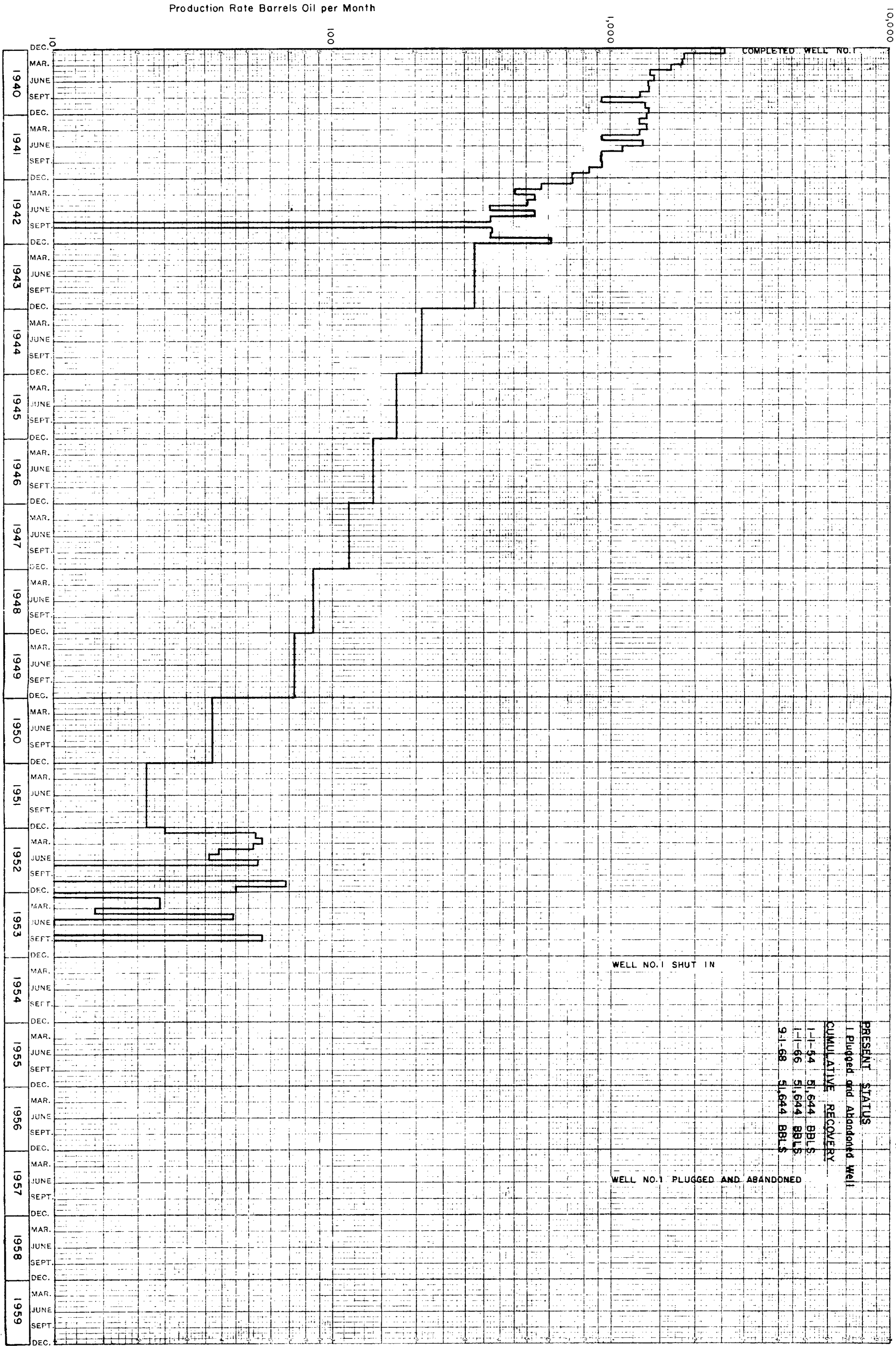


FIGURE 8
Anodorko Production Company
State O-16 Lease
NW/4 NE/4 Section 16 - T18S - R29E
Loco Hills Field
Eddy County, New Mexico

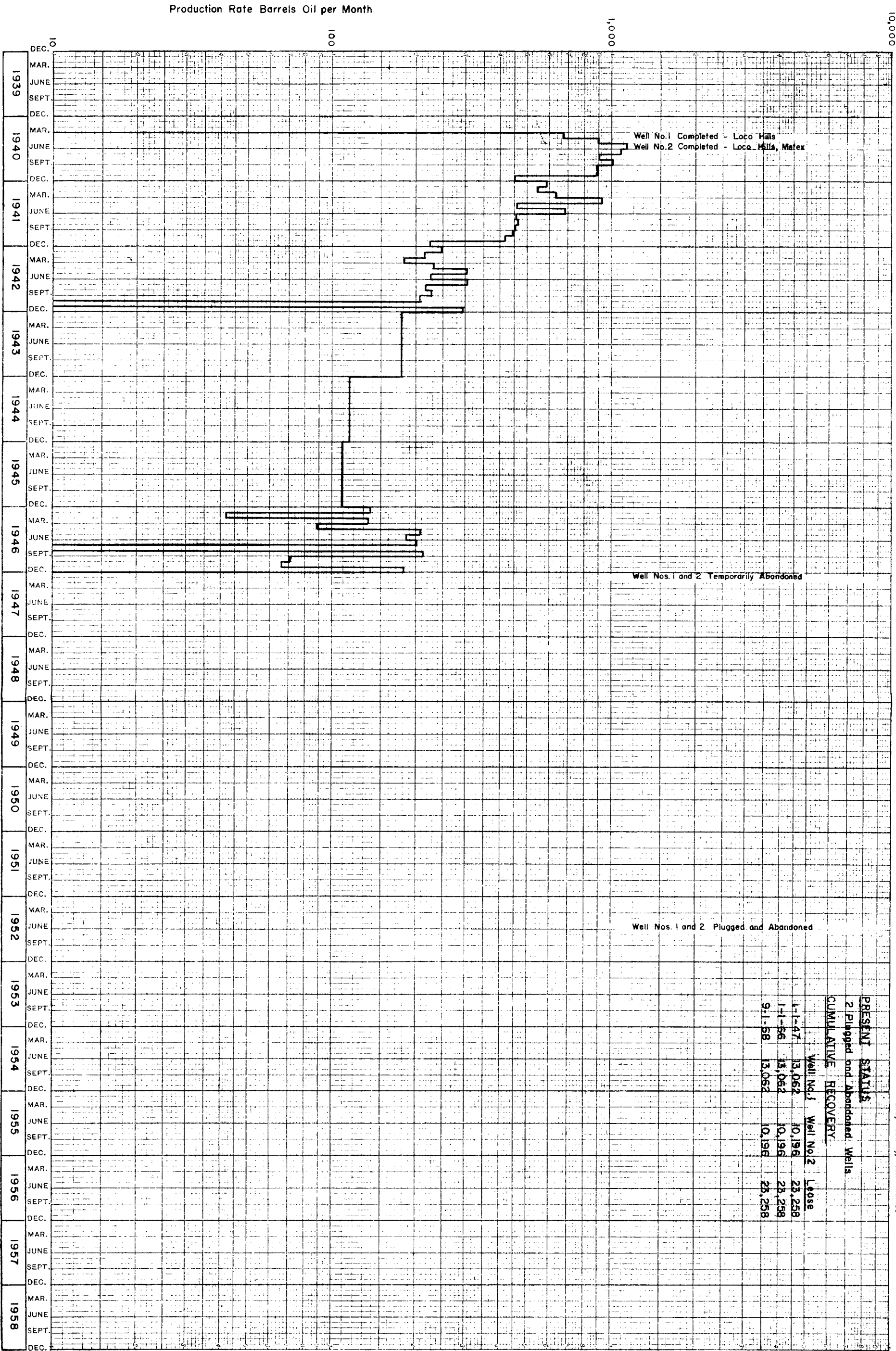


FIGURE 7
Depco, Inc.
Banner Miller Lease
S/2 NE/4 Section 4 - T18S - R29E
Loco Hills Field
Eddy County, New Mexico

Production Rate Barrels Oil per Month

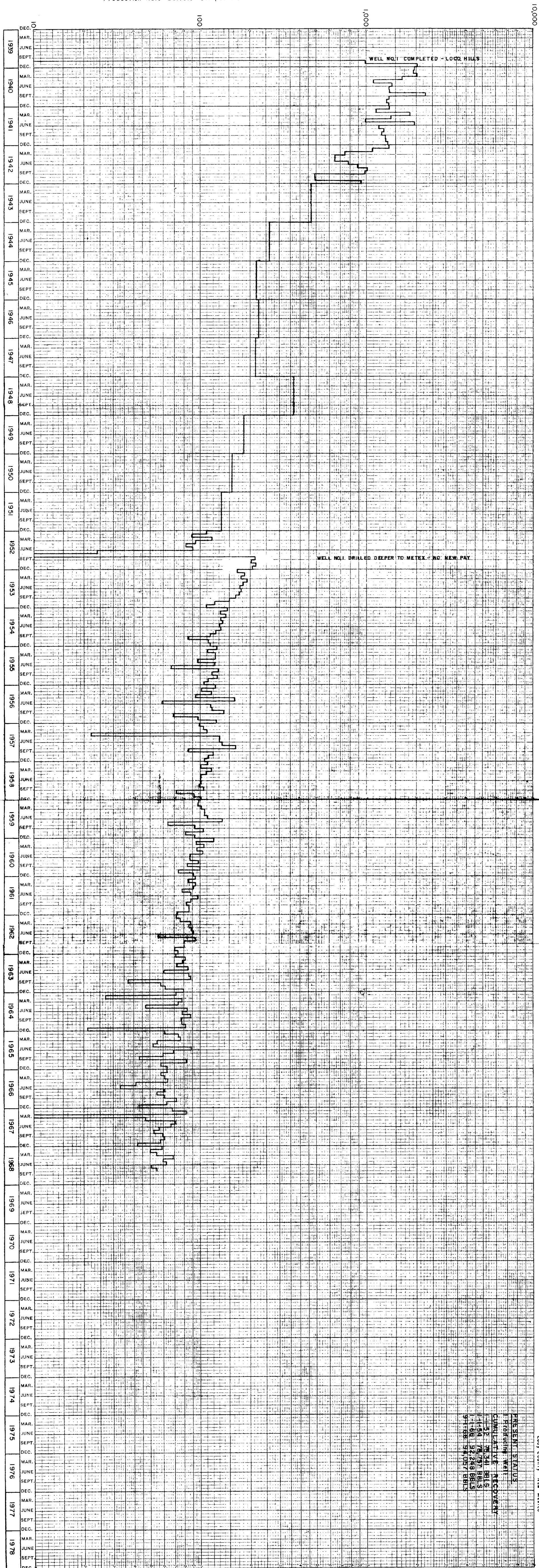


FIGURE 9
Cities Service Oil Company
Tollmidge Lease
NE/4 NW/4 Section 16-T18S-R29E
Loco Hills Field
Eddy County, New Mexico

Production Rate Barrels Oil per Month

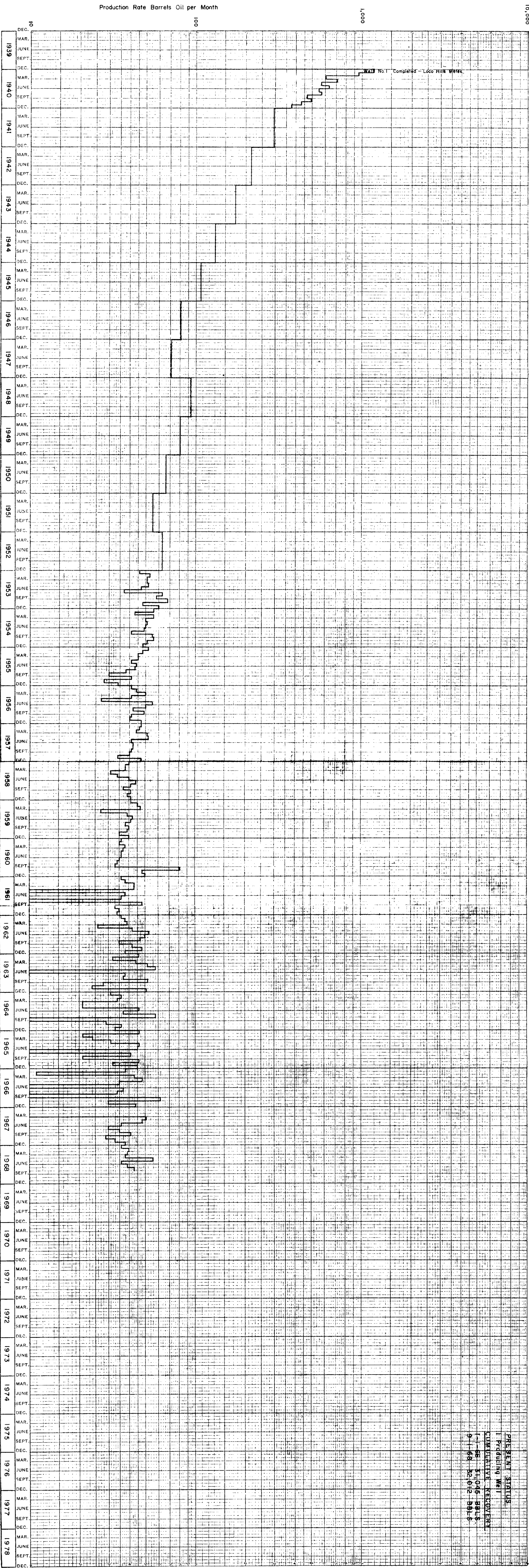


FIGURE 10
Cities Service Oil Company
Brookover Lease
SE/4 Section 16-T8S-R29E
Loco Hills Field
Eddy County, New Mexico

Production Rate Barrels Oil per Month

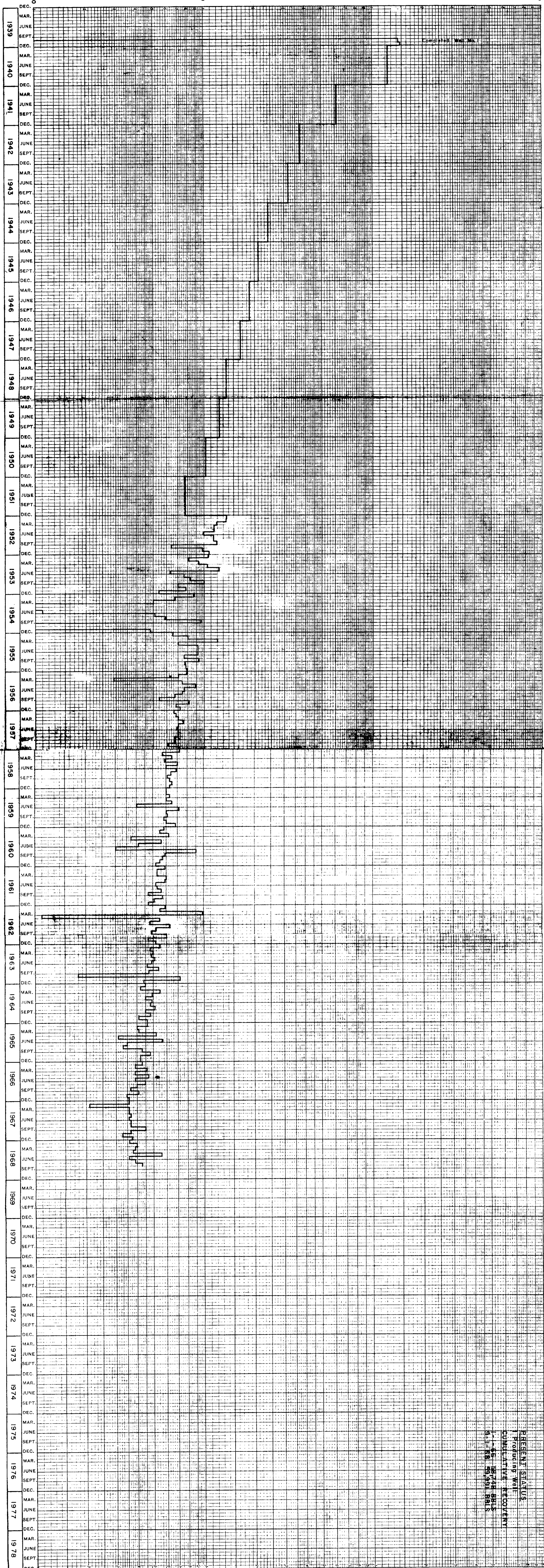


FIGURE 11
Andorito Production Company
State L-16 Lease
NW/4 NW/4 Section 16-T18S-R29E
Loco Hill Field
Eddy County, New Mexico



Production Rate Barrels Oil per Month

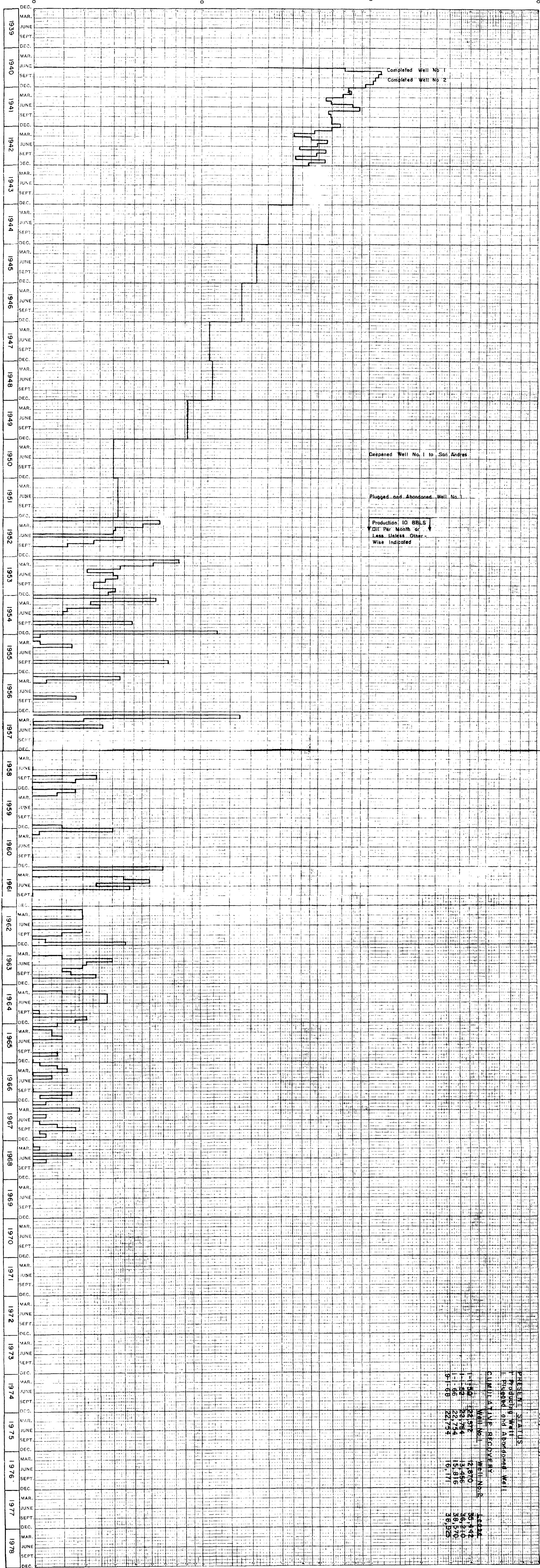


FIGURE 13
Newmont Oil Company
State "B" Lease
S/2 NE/4 Section 16-T10S - R29E
Loco Hills Field
Eddy County, New Mexico



Production Rate Barrels Oil per Month

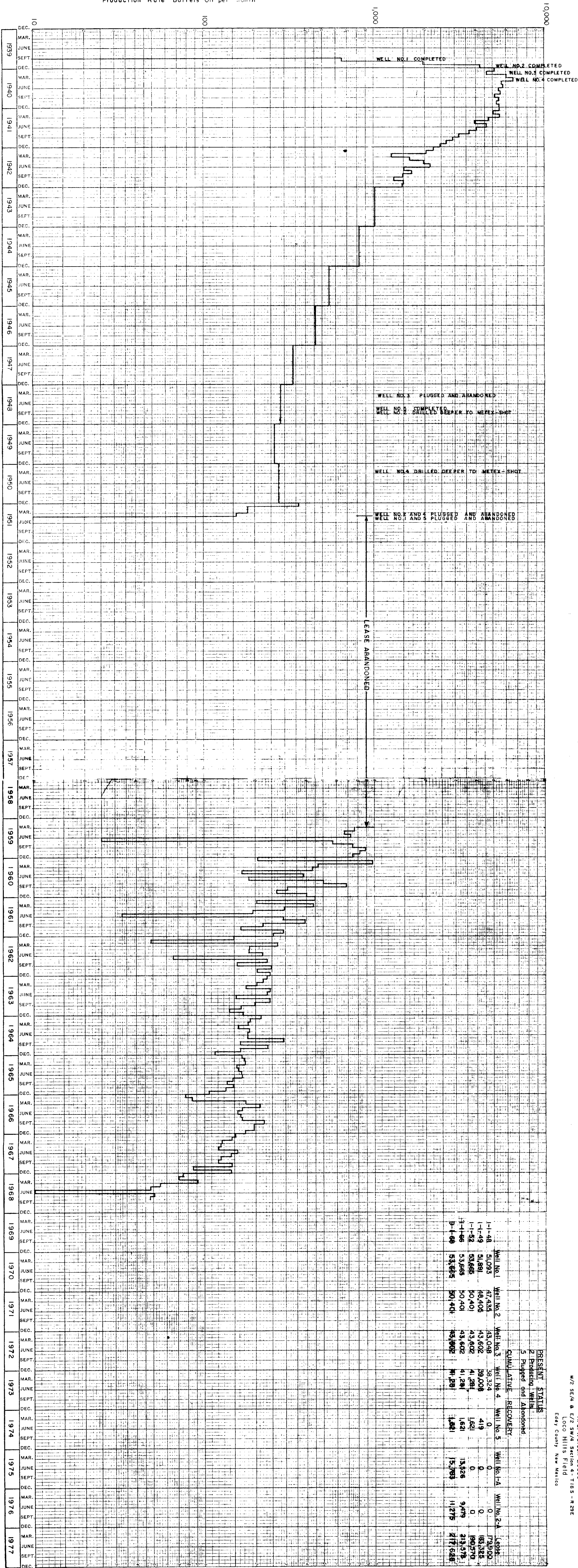


FIGURE 14
Anadarko Production Company
H. G. Watson Lease
W/2 SE/4 & E/2 SW/4 Section 4 - T18S - R29E
Loco Hills Field
Eddy County New Mexico



Production Rate Barrels Oil per Month

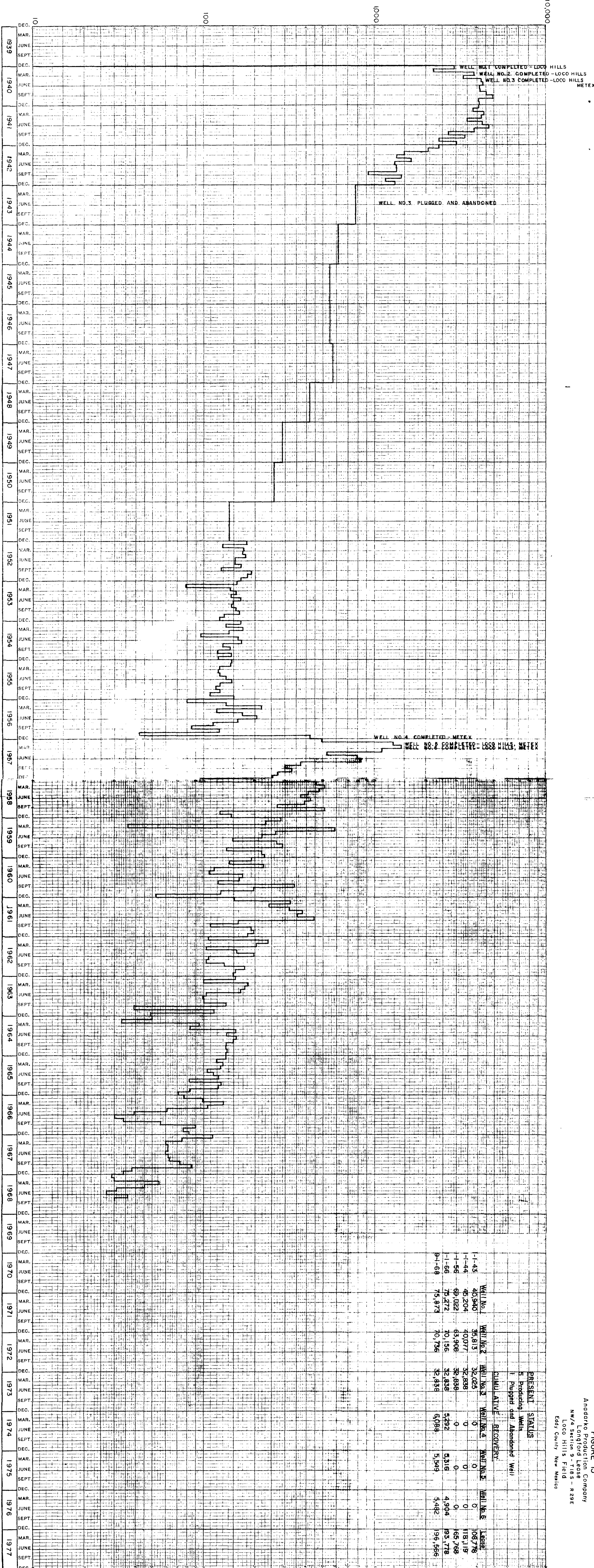


FIGURE 15
Anderton Production Company
Longford Lease
NW/4 Section 9 - T10S - R29E
Loco Hills Field
Eddy County New Mexico



Production Rate Barrels Oil per Month

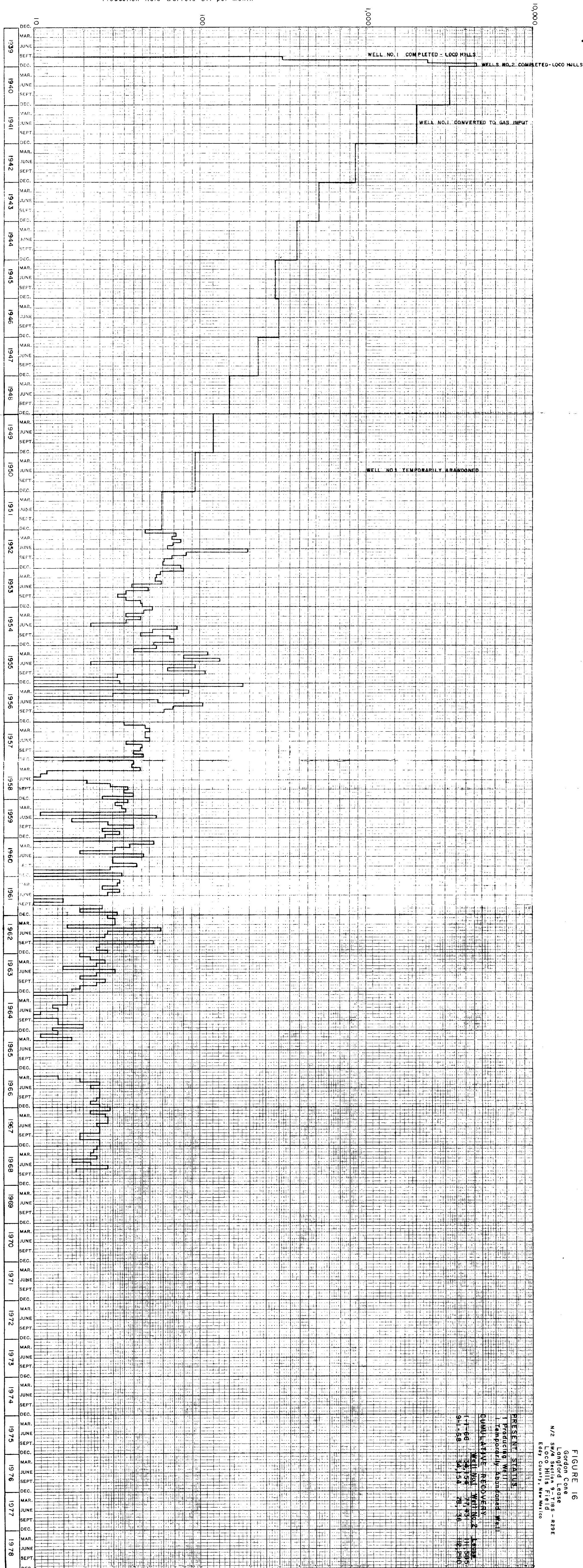


FIGURE 16
Gordon Cone
Langford Lease
N/2 SW/4 Section 9-T10S-R22E
Loco Hills Field
Eddy County, New Mexico

FIGURE 17
J. Cleo Thompson
Longford Lease
S/2 SW/4 Section 9-T18S-R29E
Loco Hills Field
Eddy County, New Mexico

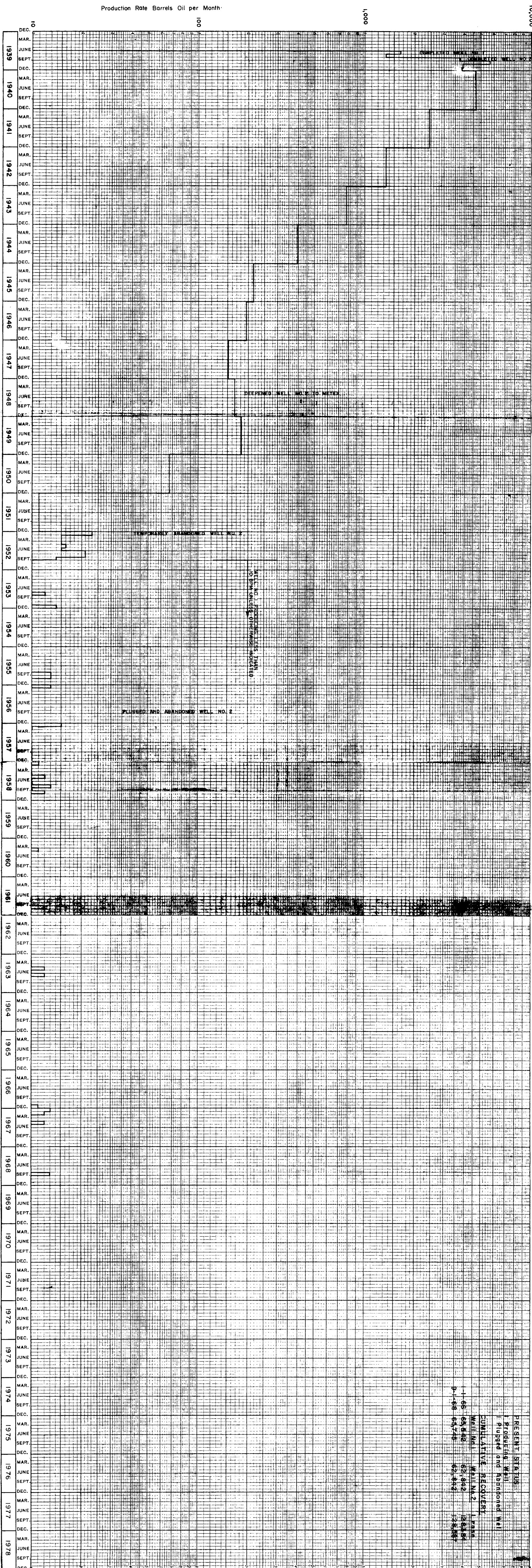


TABLE I
PAR WEST LOCO HILLS SAND UNIT
WELL COMPLETION AND HISTORY DATA
ZONE 4 GRAYBURG (LOCO HILLS SAND) WELLS
LOCO HILLS FIELD
EDDY COUNTY, NEW MEXICO

Name and Location of Well	Completion Data	Elevation Feet	Total Depth Feet	Casing Record	Producing Zone (s)		Initial Potential BOPD	Drilled Deeper Total Depth	Drilled Deeper Date	New Producing Zone (s)		Potential After Deepening BOPD	Workover History	Cumulative Recovery	Estimated Cumulative Recovery		By Zones 1-1-66	Remarks	Present Status
					Interval	Treatment				Interval	Treatment				Loco Hills	Metex			
Depco, Inc. Bauer Miller No. 1 2310' NW1, 330' WEL of Sec. 4 T-188, R-29E	3-29-40	3524'	2488'	7" O.D. set at 2397' with 100 sacks	2525'-29' Upper Loco Hills	Shot with 300 Qts. 2520'-48'	96F	-	-	-	-	-	-	13,062	13,062	-	-	Well only penetrated Loco Hills - Abandoned 1946. Plugged 1952.	P & A
					2551'-55' Lower Loco Hills	Shot with 65 Qts. 2629'-49'	45P	-	-	-	-	-	-	10,196	6,118	4,078	-	Well drilled to San Andres. Plugged back to base of Metex (210') shot Metex with Nitro. Loco Hills not stimulated. Show oil and gas 2633'-45'. Without sufficient data production split 50-50. Abandoned 1946 - Plugged and abandoned 1952.	P & A
					2510'-15' Upper Loco Hills	Shot with 1000 Qts. 2464'-2538'	25P	-	-	-	-	-	-	53,665	32,199	21,466	-	Well drilled through Metex (210'). Scout report indicated show of oil 2478'-83' an increase in oil 2555'-62' with 50' OH, slight show of gas natural in 12 1/2 hrs. - Both Loco Hills and Metex stimulated with Nitro. Recovery by zones estimated on basis of recovery from J. Cleo Thompson's Miller #3, diagonal offset to NW, which produced from Metex only (30,785 bbls.). Driller reported small show of oil from Loco Hills - oil credited to this well probably came from Watson Nos. 2, 3, and 4. P & A May 1951.	P & A
Andarko Production Co. H. G. Watson No. 1 2310' NW1, 1650' WEL of Sec. 4 T-188, R-29E	10-20-39	3533'	2438'	6 5/8" O.D. set at 2388' with 100 sacks	2478'-83' Upper Loco Hills	Shot with 165 Qts. 2495'-2537'	60F	2640'	9-4-48	2630'-40' Metex (210')	Shot with 40 Qts. 2630'-40'	N.R.	Shot with 20 Qts. 2520'-40' and with 40 Qts. 2540'-48' on 9-8-48 in Loco Hills Zone in conjunction with deepening.	50,401	50,401	-	-	Well originally drilled thru Loco Hills only. Cumulative recovery at time of deepening 9-1-48 was 46,563 bbls. of oil, all from Loco Hills. Deepened thru 210' Metex and treated with Nitro. No increase in production. 3,838 bbls. produced after deepening from Loco Hills. P & A 4-5-51 - pulled 1800' of 6 5/8" O.D. casing.	P & A
					2498'-2513' Lower Loco Hills														
					2555'-62' Metex (260')														
H. G. Watson No. 2 330' NW1, 1550' WEL of Sec. 4 T-188, R-29E	12-10-39	3509'	2543'	6 5/8" O.D. set at 2409' with 100 sacks	2495'-2507' Upper Loco Hills	Shot with 150 Qts. 2432'-2528'	60F	-	-	-	-	-	-	43,602	43,602	-	-	Well originally drilled through 210' Metex (Sdy. line 2575'-94' with no shows reported). Oil show reported in Upper Loco Hills and no shows reported in Lower Loco Hills (Sdy. line). Plugged back above Metex and shot Loco Hills. Well produced all Loco Hills oil. SIM off 16' when pay drilled - all intervals 16' lower to 2493'.	P & A
					25-18'-39' Lower Loco Hills														
H. G. Watson No. 4 1650' NW1, 1550' WEL of Sec. 4 T-188, R-29E	2-15-40	3512'	2594'	6 5/8" O.D. set at 2370' with 100 sacks	2420'-39' Upper Loco Hills	Shot with 130 Qts. 2518'-40'	310F	2612'	3-5-50	2590'-2600' Metex (260')	Shot 2545'-75' with 30 Qts. 2575'-2600' with 100 Qts. on 5-29-50	15F (Nat.)	Shot 2512'-45' with 90 Qts. in Loco Hills Zone in conjunction with deepening.	41,281	41,281	-	-	Well originally drilled thru Loco Hills only. Cumulative recovery at time of deepening 3-1-50 was 39,815 bbls. -all from Loco Hills. Deepened thru 210' Metex and treated with Nitro - no apparent increase in production. 1,466 bbls. produced after deepening from Loco Hills. P & A 4-11-51 - pulled 1841' of 7" and 171' of 8 5/8".	P & A
					2509'-33' Lower Loco Hills														
H. G. Watson No. 1-A 2310' NW1, 2310' WEL of Sec. 4 T-188, R-29E	4-8-59	3530'	3295'	5 1/2" O.D. set at 3295' with 225 sacks	2504'-20' Lower Loco Hills	Perforated and treated with 55,000 lbs. sand and 911 bbls. of oil 4-6-59	45P	-	-	-	-	-	-	13,586	8,116	-	5,410	Well drilled thru San Andres. Completed in Loco Hills and San Andres. Natural test Loco Hills - 4 gallons oil per hour San Andres - 2 gallons oil per hour. Recovery split on this basis.	Pumping.
					3102'-3122' San Andres	Perforated and treated with 30,000 lbs. sand and 900 bbls. oil													
H. G. Watson No. 2-A 550' NW1, 1300' WEL of Sec. 4 T-188, R-29E	7-10-59	3516'	3166'	5 1/2" O.D. set at 3157' with 150 sacks	2484'-95' Lower Loco Hills	Perforated and treated with 46,000 lbs. sand and 840 bbls. oil 8-4-59	17P	-	-	-	-	-	-	9,479	9,479	-	-	Well drilled thru San Andres. Completed in 172' and 210' Metex recovered no fluid on swell after treatment. Well produced all oil from Loco Hills on basis of results of deepening offset wells - Metex poor pay. Possible pay in Upper Loco Hills not open.	Pumping
					2600'-02', 2608'-14' Metex (260')	Perforated and treated with 54,000 lbs. sand and 900 bbls. oil 7-17-59													

Name and Location of Well	Completion Data	Elevation Feet	Total Depth Feet	Casing Record	Producing Zone (s) Interval	Treatment	Initial Potential BOPD	Drilled Deeper Total Depth	Drilled Deeper Date	New Producing Zone Interval	Treatment	Potential After Deepening BOPD	Workover History	Cumulative Recovery	Estimated Cumulative Recovery	By Zones 1-1-66 San Andres	Remarks	Present Status
Anadarko Production Co.																		
Langford No. 1 330' SM, 2310' EWL of Sec. 9 T-188, R-29E	12-15-39	3506'	2495'	7" O.D. set at 2365' with 100 sacks	2457'-63' Lower Loco Hills	Shot with 90 Qts. 2456'-74'	150F (Nat.)	-	-	-	-	-	-	75,272	75,272	-	Well only penetrated Loco Hills. All Loco Hills oil	Pumping
Langford No. 2 2310' SM, 2310' EWL of Sec. 9 T-188, R-29E	2-26-40	3492'	2497'	7" O.D. set at 2338' with 100 sacks	2457'-73' Lower Loco Hills	Shot with 90 Qts. 2456'-75'	425F (After Shot)	-	-	-	-	-	-	70,156	70,156	-	Well only penetrated Loco Hills. All Loco Hills oil.	Pumping
Langford No. 3 2310' SM, 990' EWL of Sec. 9 T-188, R-29E	5-5-40	3495'	2650'	7" O.D. set at 2345' with 100 sacks	2422'-40' Lower Loco Hills 2485'-91' Metex (200') 2446'-3' Metex (108')	Shot 2427'-47' No details Not treated Shot 2045'-55' with 100 Qts.	70F (Nat.)	-	-	-	-	-	-	32,838	19,703	13,135	Well penetrated Loco Hills and Metex. Shot Loco Hills and 108' Metex - large portion of oil came from Loco Hills in view of performance of other wells completed in Metex only. Comparable to recovery from Langford 4. Plugged and abandoned 1946.	P & A
Langford No. 6 990' SM, 1050' EWL of Sec. 9 T-188, R-29E	3-11-51	3501'	2970' P.B. 2516'	5 1/2" O.D. set at 2813' with 100 sacks	2466'-76' Lower Loco Hills 2550'-56' Metex (210') 2813'-2950' San Andres	Perforated and treated with 3000 lbs. sand Perforated and treated with 28,000 lbs. sand Treated open hole with 20,000 lbs. sand 30,000 gallons oil - no test reported	20P (After frac)	-	-	-	-	-	-	4,904	2,942	1,962	Well drilled into San Andres. Completion attempt made in San Andres - plugged off. Loco Hills did not take frac treatment. Recovery from well penetrated between Loco Hills and Metex. Loco Hills may not be perforated in right place.	Pumping
State Oil Co. No. 1 330' SM, 1050' EWL of Sec. 16 T-188, R-29E	1-13-40	3512'	2655'	7" O.D. set at 2351' with 100 sacks	2507'-22' Loco Hills 2623'-47' Metex (210')	Shot 2507'-30' with 400 Qts.	173F (After shot)	-	-	-	-	-	-	51,644	51,644	-	Well drilled thru Metex - Metex was not stimulated so probably not too prolific. Based on performance of offset wells, all oil assumed from Loco Hills. Plugged and abandoned well 1977.	P & A
Kemper State No. 1 1050' SM, 990' EWL of Sec. 16 T-188, R-29E	5-27-40	3521'	2661'	7" O.D. set at 2402' with 100 sacks	2485'-93' Loco Hills 2605'-15' Metex (210')	Shot 2474'-2535' with 400 Qts.	20P (After shot)	-	-	-	-	-	-	452	452	-	Well drilled thru 210' Metex - Metex was not stimulated so probably not too good. All oil credited to Loco Hills which was also poor. Well P & A 8-17-40, shortly after completion.	P & A
Donnell Drilling Company State Oil Co. No. 1 660' SM, 660' EWL of Sec. 16 T-188, R-29E	11-9-39	3501'	2626'	7" O.D. set at 2289' with 100 sacks	2454'-59' Loco Hills 2562'-45' Metex	Shot 2449'-2623' with 500 Qts.	105F (After Shot)	-	-	-	-	-	-	58,748	35,249	23,499	Well drilled thru 210' Metex - Loco Hills and Metex stimulated at same time. Scout ticket reported slight show of oil 2454'-49' (Loco Hills) and 2628' (200' Metex) Recovery prorated on 50-50 basis since both zones were stimulated.	Pumping
Cities Service Oil Co. Langford No. 1 330' SM, 2310' EWL of Sec. 16 T-188, R-29E	10-25-39	3517'	2527'	7" O.D. set at 2368' with 50 sacks	2488'-2525' Loco Hills	Shot 2500'-25' with 100 Qts.	667F (After shot)	2717'	9-7-52	M.R.	M.R.	M.R.	-	92,248	92,248	-	Well originally drilled thru Loco Hills only. Cumulative recovery at time of deepening 75,947 bbls. - all from Loco Hills. No additional shows encountered in deepening. Slight increase in production due to cleanout of well - all oil from Loco Hills. Well produced 15,669 bbls. since deepening.	Pumping
Brookover No. 1 1050' SM, 2310' EWL of Sec. 16 T-188, R-29E	1-8-40	3539'	2680' P.B. 2655'	7" O.D. set at 2393' with 20 sacks	2530' Loco Hills 2638' Metex (210')	Shot 2525'-2650' with 400 Qts.	67F (After shot)	-	-	-	-	-	-	31,045	18,627	12,418	Well drilled thru 210' Metex - Loco Hills and Metex stimulated at same time. Oil and gas shows reported at 2530' (Loco Hills) and 2638' (210' Metex). Recovery prorated on 50-50 basis since both zones were stimulated.	Pumping

Name and Location of Well	Completion Data	Elevation Feet	Total Depth Feet	Casing Record	Producing Zone (s)		Initial Potential BOPD	Drilled Deeper Total Depth	Drilled Deeper Date	New Producing Zone Interval	Treatment	Potential After Deepening BOPD	Workover History	Estimated Cumulative Recovery		By Zones 1-1-66	Remarks	Present Status
					Interval	Zone (s)								Cumulative Recovery	Loco Hills Metex			
Gordon Zone Langford No. 1 999' NSL, 2310' EWL of Sec. 9 T-188, R-298	9-15-39	3495'	2725' P.B. 2475'	7" O.D. set at 2318' with 100 sacks	2435'-52' Loco Hills	Shot 2442'-62' with 300 Qts.	50P (After shot)	-	-	-	-	-	-	34,154	34,154	-	Well drilled to Premier and plugged back to Loco Hills. Show of oil reported 2435'-41'. Converted to gas input 1941. Abandoned during 1950. Produced all Loco Hills oil.	T. A.
Langford No. 2 1050' NSL, 2310' EWL of Sec. 9 T-188, R-298	12-10-39	3483'	3498' P.B. 2500'	7" O.D. set at 2380' with 100 sacks	2478'-98' Loco Hills	Shot at 2500' with 100 Qts.	600 F (After Shot)	-	-	-	-	-	-	77,431	77,431	-	Well reported to be drilled well into San Andres, may be incorrect. Plugged back to base of Loco Hills and shot with Nitro. Produced all Loco Hills oil.	Pumping
J. Cleo Thompson Langford No. 1 660' NSL, 260' EWL of Sec. 9 T-188, R-298	7-6-39	3488'	2562' P.B. 2475'	7" O.D. set at 2225' with 100 sacks	2432'-41' and 2450'-58' Loco Hills	Shot at 2428' with 120 Qts.	120P (After Shot)	-	-	-	-	-	-	65,542	65,542	-	Well drilled to 210' Metex. Plugged back to base of Loco Hills sand and stimulated with Nitro. High GOR well - produced all Loco Hills oil.	Pumping
Langford No. 2 999' NSL, 1650' EWL of Sec. 9 T-188, R-298	8-12-39	3400'	2489'	7" O.D. set at 2226' with 100 sacks	2455'-89' Loco Hills	Shot at 2455' with 150 Qts.	528P (After Shot)	2696	5-7-48	2577'-98' Metex (210') 2644'-95' Metex (110')	Shot with Nitro Amount not reported	39P (After shot)	-	62,842	62,842	-	Well originally drilled to Loco Hills only. Cumulative recovery at time of deepening 59,881 bbls. All from Loco Hills. Shot Metex after deepening with only slight increase in production probably due to clean-out. Data in area indicates Metex to be poor -- all oil produced from Loco Hills since recovery since deepening has been only 3,041 bbls. Temporarily abandoned 1952. P & A 1956.	P & A
Newmont Oil Company Breezy State No. 1 107' NSL, 3370' EWL of Sec. 16 T-188, R-298	4-3-40	3495'	2766'		D & A			2909'	12-15-56	2528'-36' Loco Hills	Perforated and treated with 13,000 gallons of oil & 15,000 lbs. sand	750 7 BP Pumping	-	3,985	3,985	-	Well drilled thru Metex zone during April, 1940 by Allen, Peir and Page (Stage "B" No. 3). Dry and abandoned. Re-entered by Nix and Curtix during December 1956. Attempted to complete Metex in open hole. 2640'-69'. Fracture treated with 650 M and 25,000 lbs. sand - tested 3 BOPD and 15 BWPD, 5 1/2" O.D. casing set at 2640' with 100 sacks. Plugged back and completed in Loco Hills.	Pumping.
State "B" No. 1 1650' NSL, 2310' EWL of Sec. 16 T-188, R-298	7-31-40	3540'	2685'	7" O.D. set at 2425' with 100 sacks	2545'-60' Loco Hills	Shot 2535'-2685' with 400 Qts.	125P (After Shot)	3305'	5-17-50	-	-	-	-	22,754	22,754	-	Well originally drilled thru 210' Metex. Shot Loco Hills and Metex although no shows reported in Metex. Show reported in San Andres on deepening but not commercial since well was P & A during June 1951. Based on performance of offset wells from Metex all recovery credited to Loco Hills.	P & A
State "B" No. 2 1650' NSL, 990' EWL of Sec. 16 T-188, R-298	10-12-40	3513'	2620' P.B. 2600'	7" O.D. set at 2399' with 100 sacks	2534'-55' Loco Hills	Shot 2518'-62' with 180 Qts.	35P (After Shot)	-	-	-	-	-	-	15,816	15,816	-	Well drilled thru Loco Hills only. Cumulative recovery from Loco Hills only.	Pumping
														935,043	853,075	76,558		
																5,410		

TABLE 2
FAR WEST LOCO HILLS SAND UNIT
PRODUCTION HISTORY
ZONE 4 GRAYBURG (LOCO HILLS SAND)
LOCO HILLS FIELD
EDDY COUNTY, NEW MEXICO

YEAR	DEPCO, INC. BANNER MILLER NO. 1 - SE/4 NE/4 SECTION 4-T18S-R29E	DEPCO, INC. BANNER MILLER NO. 2 - SW/4 NE/4 SECTION 4-T18S-R29E	ANADARKO PRODUCTION CO. H. G. WATSON NO. 1 - NE/4 SW/4 SECTION 4-T18S-R29E	ANADARKO PRODUCTION CO. H. G. WATSON NO. 1-A - NW/4 SE/4 SECTION 4-T18S-R29E	ANADARKO PRODUCTION CO. H. G. WATSON NO. 2-A - SW/4 SE/4 SECTION 4-T18S-R29E	ANADARKO PRODUCTION CO. LANGFORD NO. 2 - SE/4 NW/4 SECTION 9-T18S-R29E	ANADARKO PRODUCTION CO. LANGFORD NO. 3 - SW/4 NW/4 SECTION 9-T-18S-R29E	ANADARKO PRODUCTION CO. LANGFORD NO. 6 - NE/4 NW/4 SECTION 9-T18S-R29E	ANADARKO PRODUCTION CO. STATE 0-16 NO. 1 - NW/4 NE/4 SECTION 16-T18S-R29E	ANADARKO PRODUCTION CO. KEMPER STATE NO. 1 SW/4 NW/4 SECTION 16-T18S-R29E	ANADARKO PRODUCTION CO. STATE 1-16 NO. 1 NW/4 NW/4 SECTION 16-T18S-R29E	CITIES SERVICE OIL COMPANY BROOKOVER NO. 1 SE/4 NW/4 SECTION 16-T18S-R29E	GORDON CONE LANGFORD NO. 2 NE/4 SW/4 SECTION 9-T18S-R29E	J. CLEO THOMPSON LANGFORD NO. 1 - SW/4 SW/4 SECTION 9-T18S-R29E	J. CLEO THOMPSON LANGFORD NO. 2 SE/4 SW/4 SECTION 9-T18S-R29E	NEWMONT OIL CO. BREEZY STATE NO. 1 - NE/4 NE/4 SECTION 16-T18S-R29E	NEWMONT OIL CO. STATE "B" NO. 1 - SW/4 NE/4 SECTION 16-T18S-R29E	NEWMONT OIL CO. STATE "B" NO. 2 - SE/4 NE/4 SECTION 16-T18S-R29E
1939																		
1940	5,405	2,523	4,735										3,469	11,545	8,573			866
1941	3,147	3,148	19,637			20,199	11,471		18,450	452	2,891	7,542	19,076	18,045	18,026		5,223	2,420
1942	1,329	1,335	12,114			14,759	14,762		12,998		14,688	3,541	12,711	16,365	14,671		5,652	2,440
1943	1,067	1,070	5,093			5,982	5,792		5,449		7,399	2,580	10,324	10,086	10,073		3,688	1,995
1944	696	698	3,126			4,264	813		3,915		3,823	2,067	6,245	8,032	4,673		2,538	1,667
1945	656	656	2,609			3,687			2,516		2,887	1,564	4,613	2,365	2,371		1,706	1,296
1946	762	766	1,681			3,284			2,035		2,515	1,289	3,403	1,278	1,282		1,324	1,229
1947			1,166			3,310			1,376		2,244	973	3,592	1,166	1,165		1,136	951
1948			932			3,436			1,026		1,965	848	2,687	908	906		772	575
1949			798			2,519			881		1,635	1,121	1,818	670	1,310		385	1,022
1950			748			1,738			1,376		1,476	965	1,445	900	1,272		849	148
1951			872			1,550			447		1,226	789	1,161	386	418		182	182
1952			154			843			258		926	663	712	135	135		404	404
1953						979			436		1,331	752	941	160	160		251	251
1954						855			179		1,030	634	587	42	42		374	374
1955						845			3		476	596	594	29	29		298	298
1956						782					1,014	489	772	33	33		107	107
1957						932					833	527	588	26	26		63	63
1958						1,695					823	527	494	42	42		256	256
1959						843					768	464	339	119	119		74	74
1960						588					726	474	375	60	60		47	47
1961						394					1,192	499	361	33	33		82	82
1962						613					647	393	267	30	30		217	217
1963						363					1,043	495	350	36	36		163	163
2-63						30					55	46	19	4	4		-	-
2-63						20					48	32	22	9	9		-	-
3-63						36					50	44	27	10	10		-	-
4-63						36					50	44	24	10	10		-	-
5-63						33					49	58	24	12	12		-	-
6-63						33					51	58	31	15	15		-	-
7-63						20					49	61	31	10	10		-	-
8-63						20					46	38	24	12	12		-	-
9-63						20					54	37	19	5	5		-	-
10-63						27					47	52	27	3	3		-	-
11-63						8					18	28	24	6	6		-	-
12-63						7					62	24	19	6	6		-	-
1-64						10					44	51	17	2	2		-	-
2-64						10					45	31	19	-	-		-	-
3-64						6					42	36	16	-	-		-	-
4-64						19					55	34	16	-	-		-	-
5-64						20					55	29	16	-	-		-	-
6-64						16					49	21	13	-	-		-	-
7-64						31					45	47	14	-	-		-	-
8-64						27					49	84	14	-	-		-	-
9-64						31					48	37	11	-	-		-	-
10-64						30					51	58	9	-	-		-	-
11-64						26					45	37	14	-	-		-	-
12-64						20					48	29	14	-	-		-	-
1-65						21					41	36	5	-	-		-	-
2-65						23					46	46	5	-	-		-	-
3-65						17					40	21	4	-	-		-	-
4-65						22					41	24	4	-	-		-	-
5-65						26					52	31	4	-	-		-	-
6-65						21					31	46	3	-	-		-	-
7-65						22					57	45	6	-	-		-	-
8-65						25					35	69	4	-	-		-	-
9-65						21					33	41	5	-	-		-	-
10-65						27					43	60	4	-	-		-	-
11-65						30					48	21	3	-	-		-	-
12-65						17					42	46	6	-	-		-	-
Cumulative to 1-1-66	13,062	10,196	53,665	43,602	41,281	75,272	32,838	4,904	51,644	452	58,748	31,045	77,431	65,542	62,842	3,985	22,754	15,816

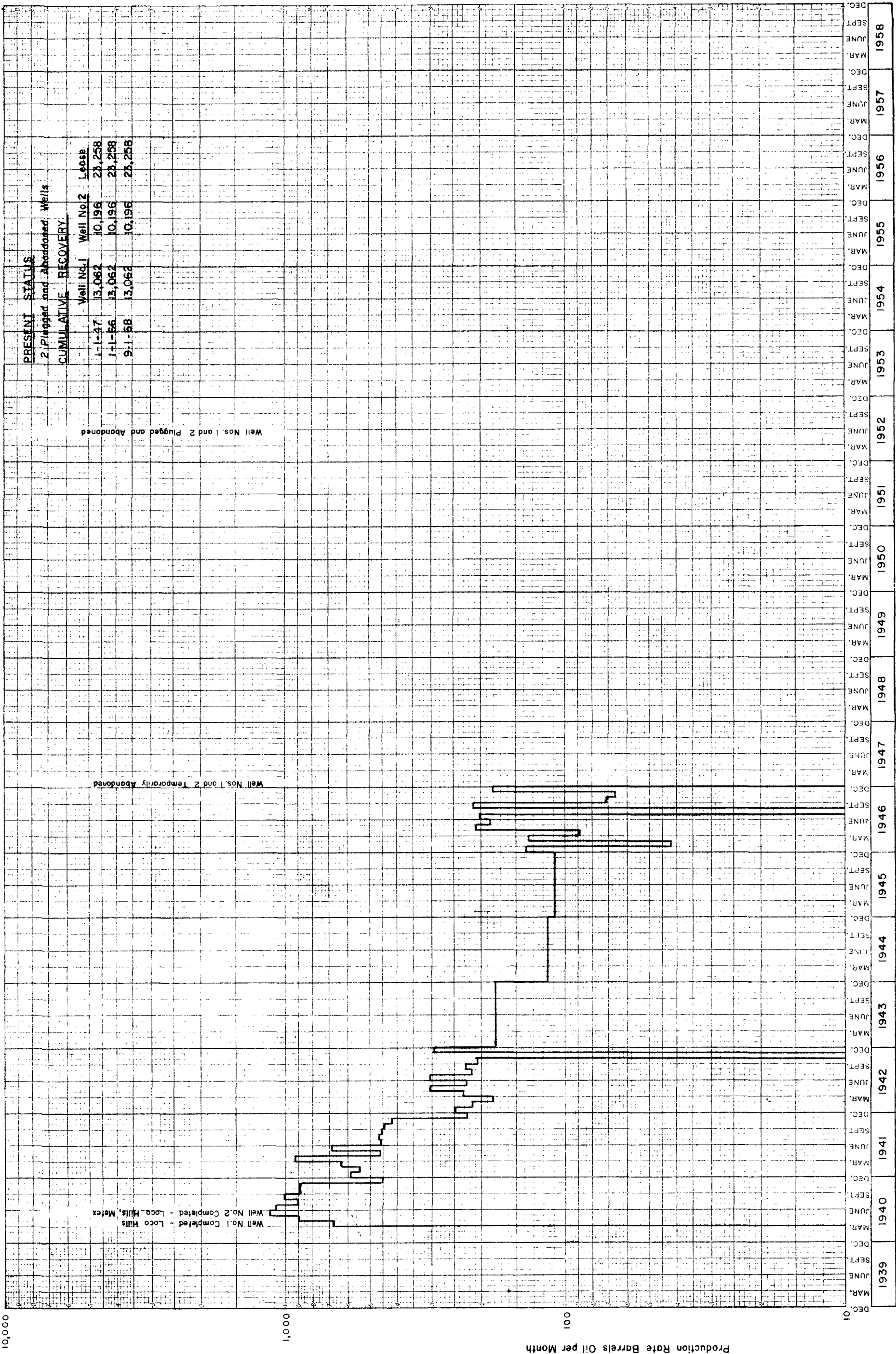


FIGURE 6
For West Loco Hills Sand Unit
Loco Hills Field
Past Production and Predicted Waterflood Performance
Zone 4 Grayburg (Loco Hills Sand)
Eddy County, New Mexico





Production Rate Barrels Oil per Month

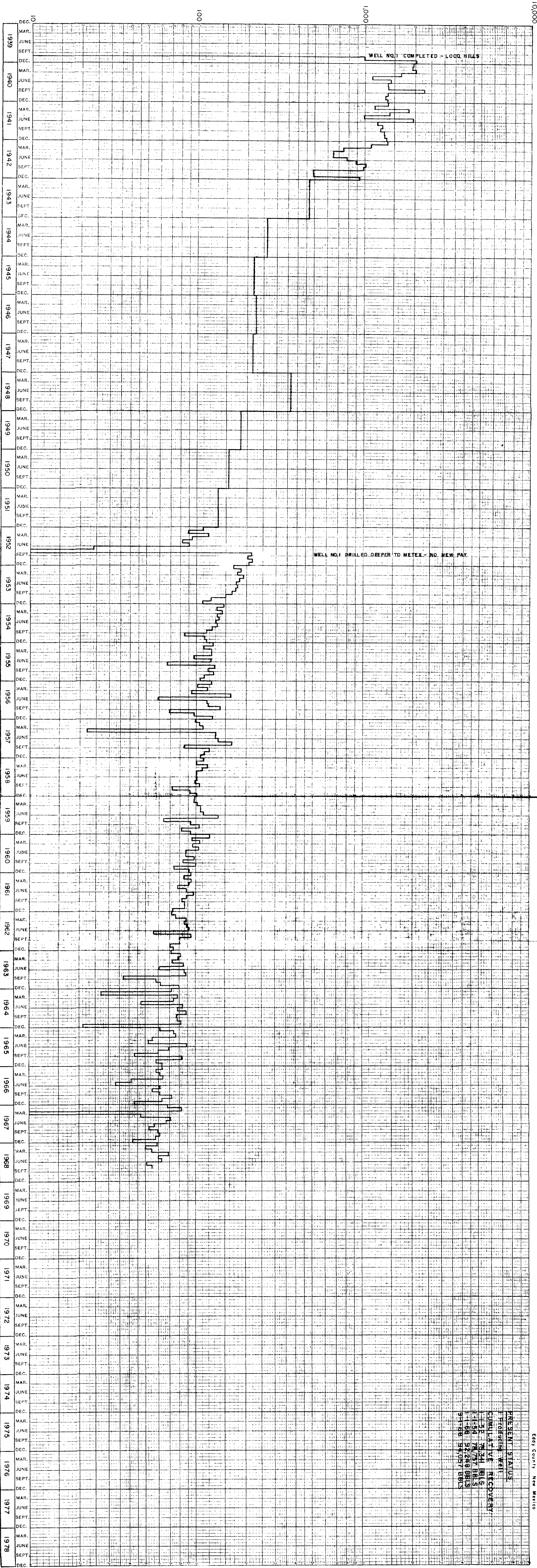


FIGURE 9
Cities Service Oil Company
Tollmidge Lease
NE/4 NW/4 Section 16-T18S-R29E
Loco Hills Field
Eddy County New Mexico

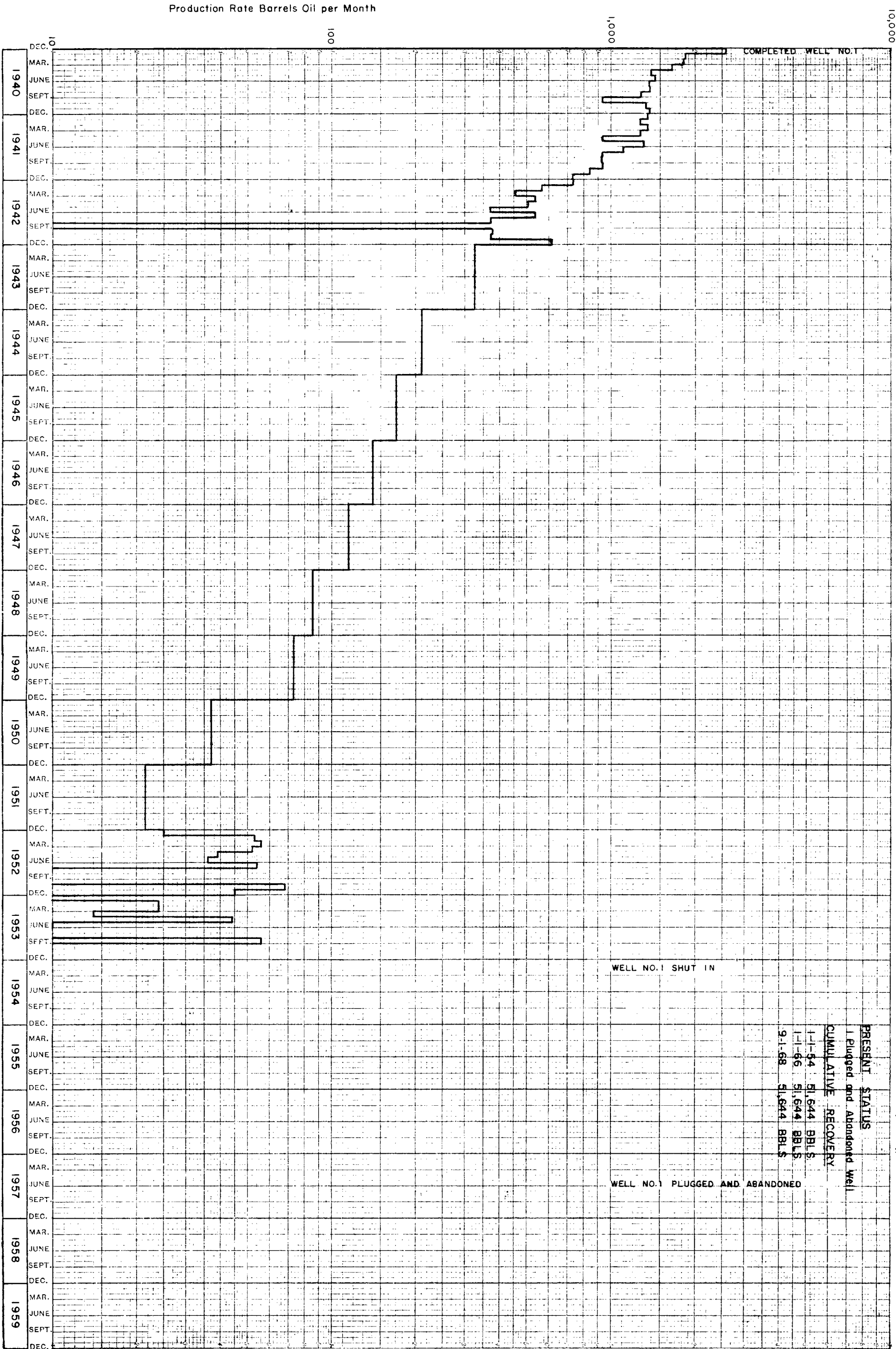


FIGURE 8
Anadarko Production Company
State O-16 Lease
NW/4 NE/4 Section 16 - T18S - R29E
Loco Hills Field
Eddy County, New Mexico

Production Rate Barrels Oil per Month

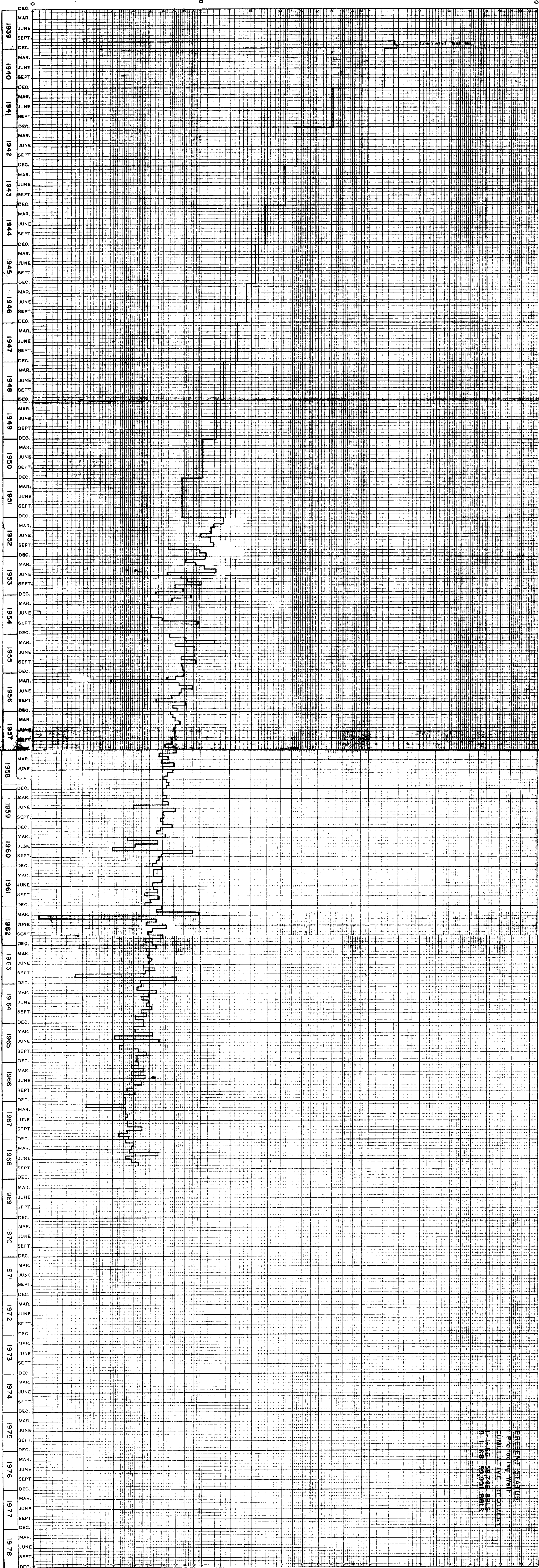


FIGURE 11
Anadarko Production Company
State L-16 Lease
NW/4 NW/4 Section 16-18S-R29E
Loco Hill Field
Eddy County, New Mexico



Production Rate Barrels Oil per Month

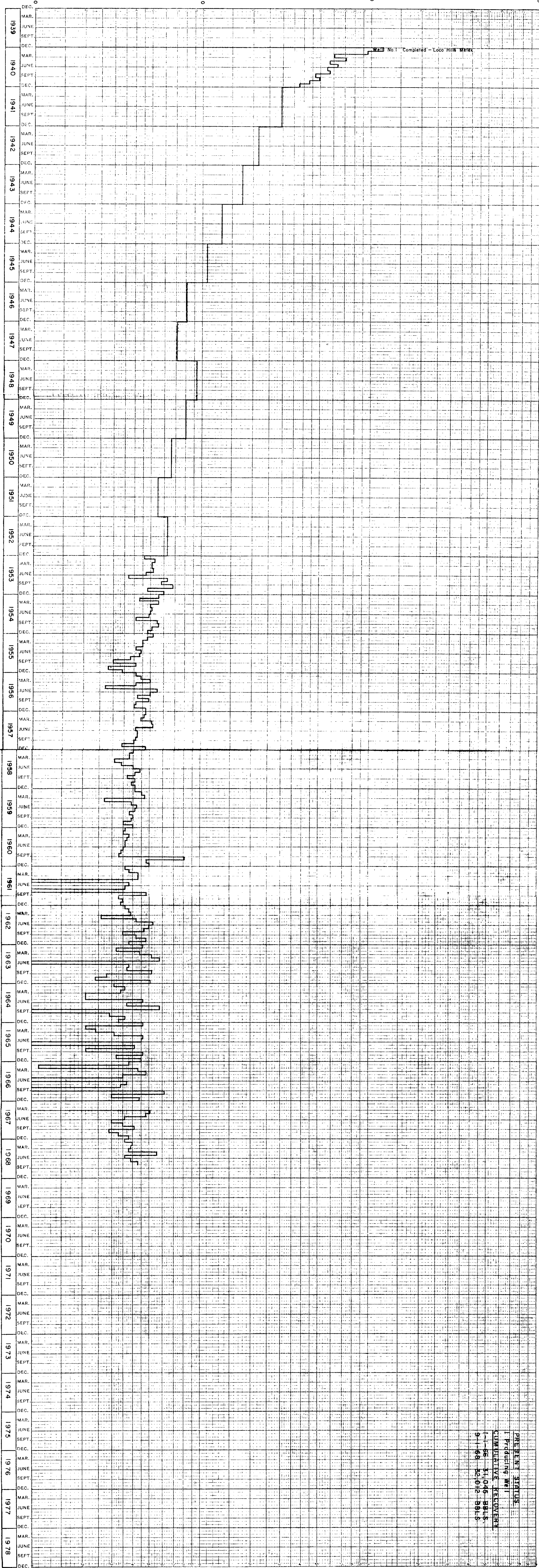
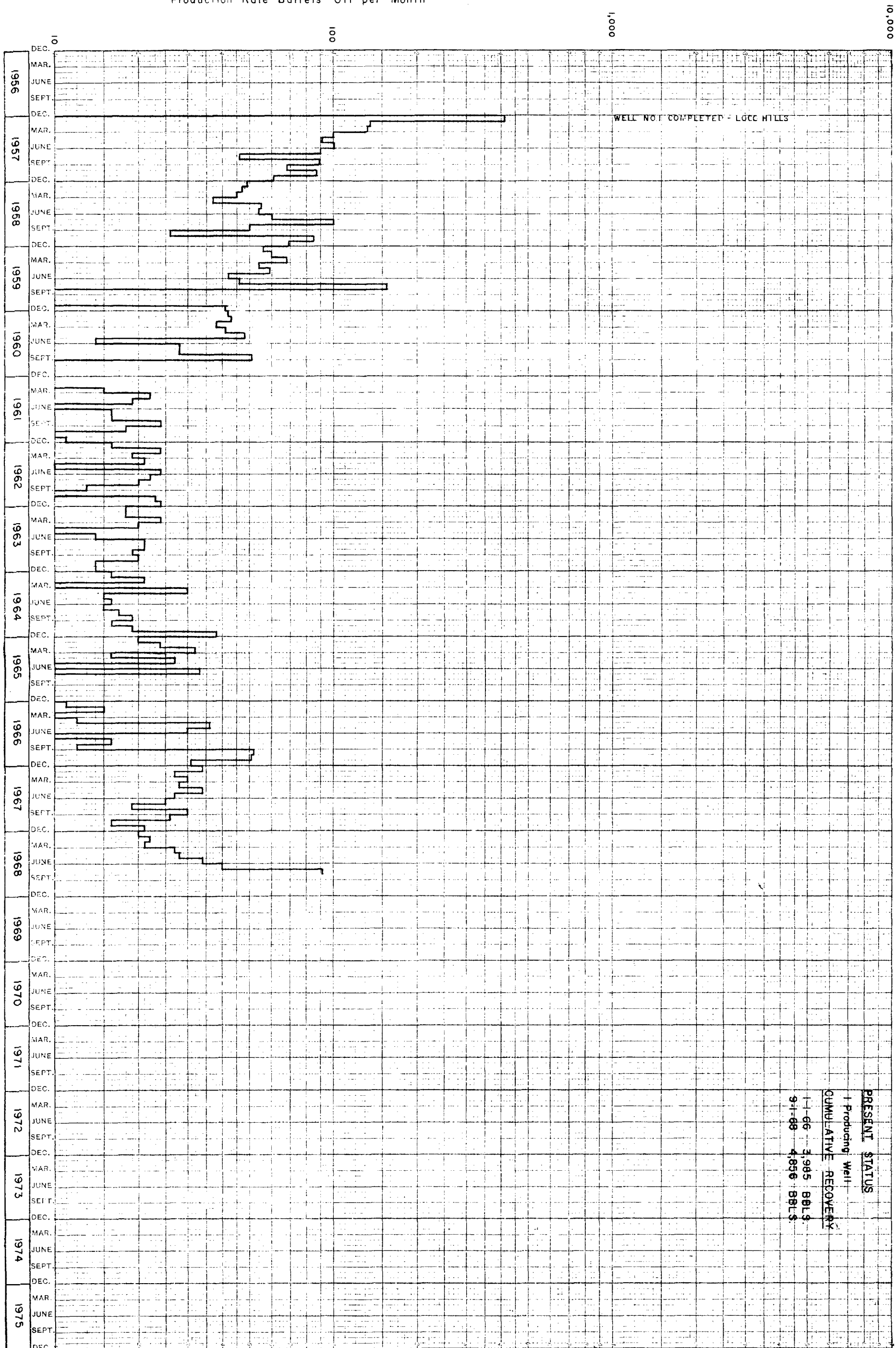


FIGURE 10
Cities Service Oil Company
Brookover Lease
SE/4 NW/4 Section 16-T10S-R29E
Loco Hills Field
Eddy County, New Mexico

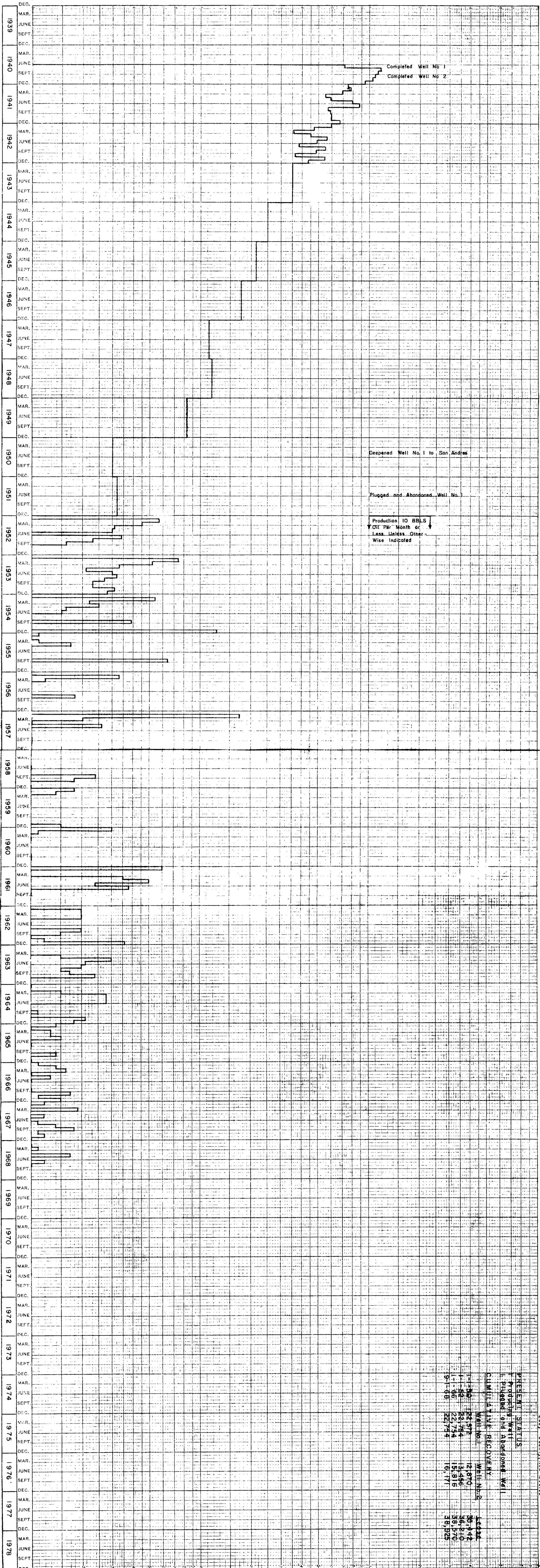


Production Rate Barrels Oil per Month	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	





Production Rate Barrels Oil per Month



PRESENT STATUS
1. Producing Well
2. Plugged and Abandoned Well

CUMULATIVE RECOVERY		
Well No. 1	Well No. 2	Well No. 3
1-50	12,970	14,000
1-52	13,446	14,000
1-56	15,816	14,000
9-1-68	16,171	14,000

FIGURE 13
Newmont Oil Company
State "B" Lease
S/2 NE 1/4 Section 16-T15S-R29E
Loco Hills Field
Eddy County, New Mexico



Production Rate Barrels Oil per Month

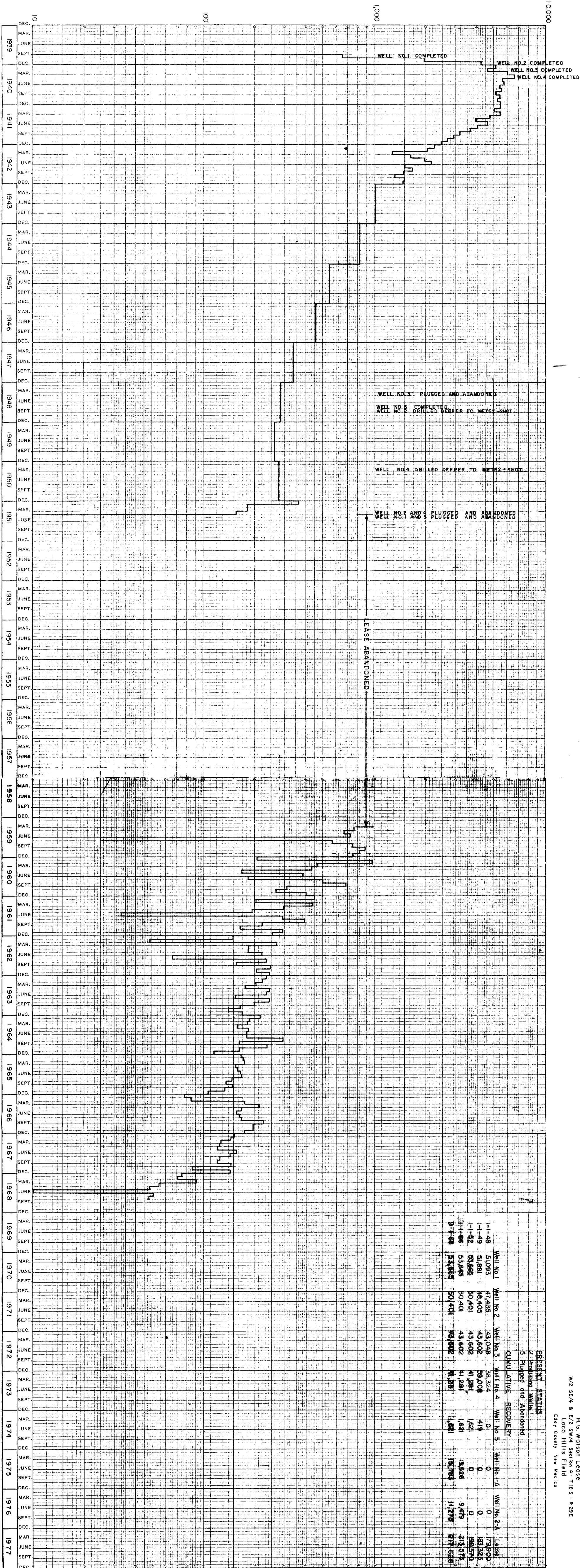


FIGURE 14
Andarko Production Company
H.G. Watson Lease
W/2 SE/4 & E/2 SW/4 Section 4 - T18S - R29E
Loco Hills Field
Eddy County New Mexico



Production Rate Barrels Oil per Month

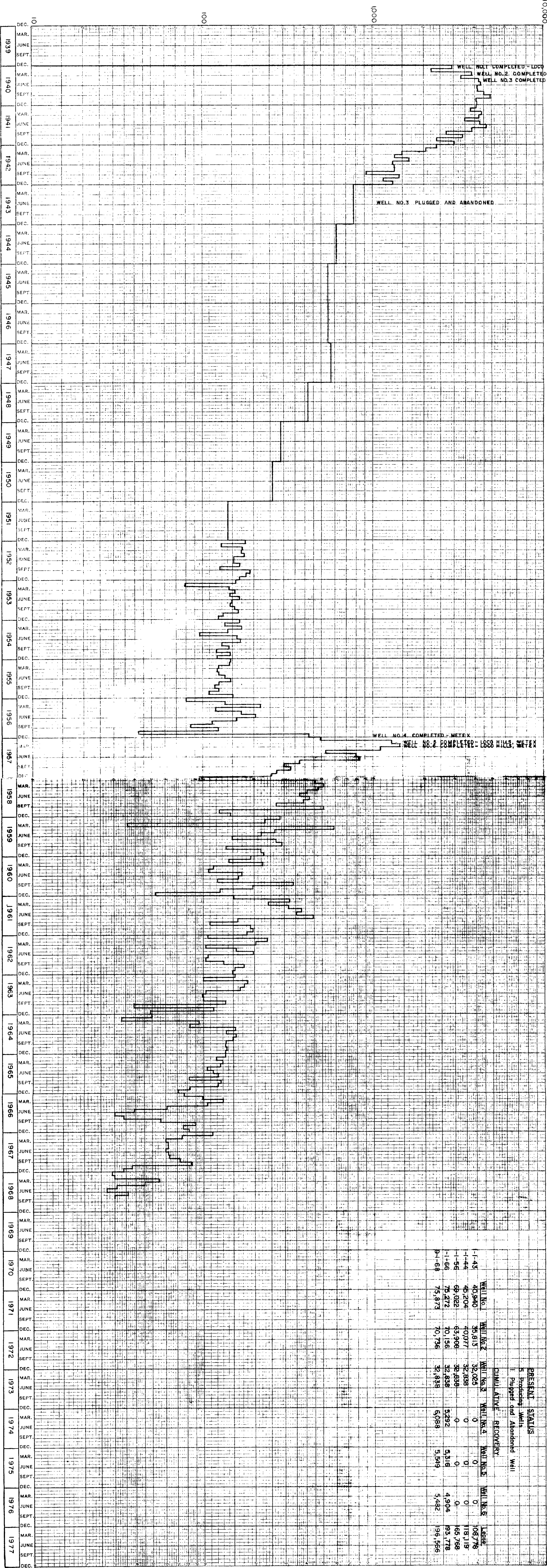


FIGURE 15
Anadarko Production Company
Longford Lease
NW/4 Section 9 - T10S - R29E
Loco Hills Field
Eddy County New Mexico



Production Rate Barrels Oil per Month

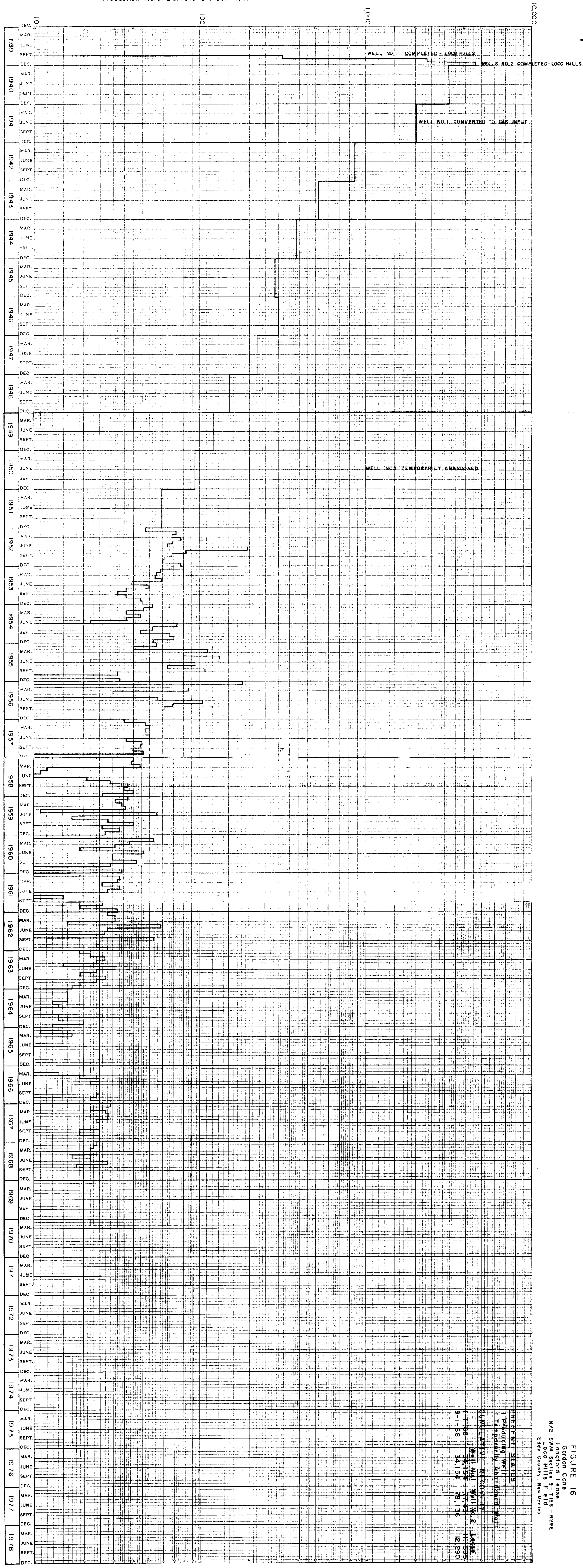


FIGURE 16
Gordon Cone
Langford Lease
N/2 SW/4 Section 9-T18S-R29E
Loco Hills Field
Eddy County, New Mexico

FIGURE 17
J. Clegg Thompson
Longford Lease
S/2 SW/4 Section 30B5 - R29E
Loco Hills Field
Eddy County, New Mexico

PRESENT STATUS	
I Producing Well	
II Plugged and Abandoned Well	
CUMULATIVE RECOVERY	
Well No. 1	Well No. 2
1-1-66 65,542	62,942
1-1-68 64,746	62,942
	128,884
	128,884

