

Half Mile Well Radius

Well and Location	Type	Status	Perforations	Casing Size	Depth	No. of Sacks	Hole Size	CMT YLD	FT/FT3	Meas. TOC	Calc. TOC	Date Drilled	API Number	TD
T-17-S R-28-E Section 25														
Melrose Energy	Oil	Inactive	1781-2258	8 5/8	494	75	10	1.32	7.1565		surface	6/17/1968	30-015-10077	2291
Artesia Unit # 6				4 1/2	2291	175	8	1.32	4.1891		1565			
330 FSL & 330 FWL (M)														
BP Amoco	Oil	Inactive	6300-6316	8 5/8	738	375	10	1.32	7.1565	Circ.	surface	8/20/1960	30-015-01537	6392
Emple Abo Unit D 42				5 1/2	6383	320*	7 7/8	7.3 & 1.88	5.7695		1550			
660 FSL & 1980 FWL (N)				5 1/2 cmt'd w/ 170 sx HYS & 150 sx 4% Incor							55% Eff.			
T-17-S R-28-E Section 26														
Matbob	Oil	Active	2445-2690	8 5/8	530	375	12 1/4	1.32	2.4219		surface	11/3/1993	30-015-27619	3110
Arco 26 A State #1				5 1/2	3103	800	7 7/8	1.32	5.7695		surface			
1650 FSL & 1650 FWL (K)														
Matbob	Oil	Active	2334-2821	8 5/8	519	375	12 1/4	1.32	2.4219		surface	6/25/1996	30-015-28958	3050
Arco 26 A State #2				5 1/2	3049	550	7 7/8	1.32	5.7695		surface			
2264 FNL & 330 FWL (E)														
Matbob	Oil	Active	2637-3220	8 5/8	520	400	12 1/4	1.32	2.4219		surface	1/11/1998	30-015-29905	3400
Arco 26 A State #1				4 1/2	3390	900	7 7/8	1.32	4.3881		surface			
2280 FNL & 1650 FWL (F)														
Melrose Energy	Oil	Active	2542-2592	8 5/8	322	300	12 1/4	1.32	2.4219		surface	3/26/1998	30-015-29997	3000
Artesia Unit #73				4 1/2	3000	700	7 7/8	1.32	4.3881		surface			
600 FSL & 990 FWL (L)														
BP Amoco	Oil	Active	6152-6172	8 5/8	720	350	10	1.32	7.1565		surface	7/22/1960	30-015-01554	6326
Emple Abo Unit #39				5 1/2	6326	320*	7 7/8	7.3 & 1.88	5.7695		1493			
1650 FSL & 1980 FEL (J)				5 1/2 cmt'd w/ 170 sx HYS & 150 sx 4% Incor							55% Eff.			
BP Amoco	Oil	P&A	6198-6224	8 5/8	720	375	10	1.32	7.1565	Circ.		7/8/1960	30-015-01553	6310
Emple Abo Unit C #38				5 1/2	6310	340*	7 7/8	7.3 & 1.88	5.7695		1014			
1650 FSL & 1980 FWL (K)				5 1/2 cmt'd w/ 190 sx HYS & 150 sx 4% Incor							55% Eff.			
BP Amoco	Oil	Active	6060-6080	8 5/8	738	350	10	1.32	7.1565	Circ.		8/27/1960	30-015-01557	6280
Emple Unit #37				5 1/2	6226	320*	7 7/8	7.3 & 1.88	5.7695		1393			
1650 FSL & 990 FWL (L)				5 1/2 cmt'd w/ 170 sx HYS & 150 sx 4% Incor							55% Eff.			
Melrose Energy	Oil	Inactive	2072-2082	7	603	75	9 5/8	1.32	4.1996		291	1/16/1961	30-015-01564	2098
Artesia Unit #1				4 1/2	2098	125	6 1/4	1.32	9.7421		892			
1650 FSL & 460 FWL (L)														
BP Amoco	Oil	Active	6080-6100	8 5/8	739	300	10	1.32	7.1565	Circ.		6/3/1960	30-015-01551	6220
Emple Abo Unit D #37				5 1/2	6218	275*	7 7/8	7.3 & 1.88	5.7695	Circ.		Circulated w/ squeeze job		
550 FSL & 820 FWL (M)				5 1/2 cmt'd w/ 125 sx HYS & 150 sx 4% Incor										

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Melrose Energy	Oil	Inactive	2110-2116	8 5/8	562	75	10	1.32	7.1565		31	12/15/1960	30-015-01563	2154
Antesia Unit #2				4 1/2	2154	275	8	1.32	4.1691		1014			
330 FSL & 330 FWL (M)														
BP Amoco	Oil	Inactive	6158-6170	8 5/8	739	300	10	1.32	7.1565	Circ.		6/18/1960	30-015-01560	6435
Empire Abo Unit D #38				5 1/2	6435	312*	7 7/8	7.3 & 1.88	5.7695	688				
330 FSL & 2310 FWL (N)				*5 1/2 cmt'd w/ 162 sx HYS & 150 sx 4% Incor										
Melrose Energy	Oil	Active	2136-2142	7	609	75	9 5/8	1.32	4.1996		297	1/5/1961	30-015-01565	2156
Antesia Unit #3				4 1/2	2155	125	6 1/4	1.32	9.7421		949			
330 FSL & 1750 FWL (N)														
BP Amoco	Oil	Active	6208-6222	8 5/8	732	300	10	1.32	7.1565	Circ.		7/1/1960	30-015-01562	6332
Empire Abo Unit #39				5 1/2	6332	320*	7 7/8	7.3 & 1.88	5.7695	1535				
330 FSL & 1980 FEL (O)				*5 1/2 cmt'd w/ 170 sx HYS & 150 sx 4% Incor										
Melrose Energy	Oil	Inactive	2162-2172	7	600	75	9 5/8	1.32	4.1996		288	1/20/1961	30-015-01566	2200
Antesia Unit #4				4 1/2	2196	125	6 1/4	1.32	9.7421		990			
2310 FEL & 330 FSL (O)														
BP Amoco	Oil	Active	6199-6219	8 5/8	714	375	10	1.32	7.1565	Circ.	surface	7/25/1960	30-015-01565	6330
Empire Abo Unit #40				5 1/2	6330	320*	7 7/8	7.3 & 1.88	5.7695		1497			
660 FSL & 660 FEL (P)				*5 1/2 cmt'd w/ 170 sx HYS & 150 sx 4% Incor							55% Eff.			
Melrose Energy	Oil	Inactive	2191-2196	7	600	75	9 5/8	1.32	4.1996		288	9/5/1961	30-015-01567	2230
Antesia Unit #5				4 1/2	2228	75	6 1/4	1.32	9.7421		1505			
990 FEL & 330 FSL (P)														
BP Amoco	Gas	Active	10,011-018	20	30	10	24	1.32	1.0413	Circ.		1/3/1984	30-015-25013	10,900
State CC #1				13 3/8	669	950	17 1/2	1.32	1.4390	Circ.				
990 FEL & 2235 FWL (N)				8 5/8	2600	1050	10	1.32	7.1565	Circ.				
				5 1/2	10900	1740	7 7/8	1.32	5.7695	3134' DV@				
										5767'				
Melrose Energy	Oil	Active	3820-4120	8 5/8	517	350	10	1.32	7.1565		surface	5/14/2000	30-015-30976	4241
D State #3				5 1/2	4240	1250	7 7/8	1.32	5.7695		surface			
765 FSL & 1650 FEL (O)														
Marbob Energy	Oil	Active	3571-4001	8 5/8	503	450	10	1.32	7.1565		surface	2/10/2001	30-015-31422	4212
D State #5				5 1/2	4212	1100	7 7/8	1.32	5.7695		surface			
990 FSL & 990 FWL (M)														
BP Amoco	P&A						SEE ATTACHED PLUGGING DIAGRAMS					P&A 12/20/81	30-015-01559	
Empire Abo Unit B #39														
2310 FSL & 1980 FEL (J)														

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T-17-S R-28-E Section 27														
Marbob Energy	Oil	Active	3630-3864	8 5/8	530	350	10	1.32	7.1565		surface	1/13/1999	30-015-30773	4175
Samedan State #2				5 1/2	4163	950	7 7/8	1.32	5.7695		surface			
990 FSL & 1669 FEL (O)														
Marbob Energy	Oil	Active	2050-2060	8 5/8	435	275	12 1/4	1.32	2.4219	Circ.		5/20/1981	30-015-23742	2500
N.G. Phillips #28				4 1/2	2500	825	6 1/4	1.32	9.7421	Circ.				
2260 FNL & 330 FEL (H)														
BP Amoco	Oil	Active	6040-6193	8 5/8	870	400	10	1.32	7.1565		surface	8/27/1960	30-015-01583	6262
Empire Abo Unit #36				5 1/2	6262	850	7 7/8	1.32	5.7695	Circ.				
1628 FSL & 660 FEL (I)														
Marbob Energy	Oil	Inactive	2056-2064	8 5/8	559	50	10	1.32	7.1565		205	1/7/1961	30-015-01572	2083
N.G. Phillips #4		W/V		5 1/2	2080	365	7 7/8	1.32	5.7695		surface			
1650 FSL & 330 FEL (I)														
Marbob Energy	Oil	Active	2018-2028	8 5/8	475	275	10	1.32	7.1565		surface	5/20/1981	30-015-23736	2550
N.G. Phillips #27				4 1/2	2550	525	6 1/4	1.32	9.7421		surface			
2264 FSL & 978 FEL (I)														
Marbob Energy	Oil	Active	2428-2766	8 5/8	517	350	10	1.32	7.1565		surface	8/2/1983	30-015-24532	3000
N.G. Phillips #33				5 1/2	3000	850	7 7/8	1.32	5.7695		surface			
1650 FSL & 455 FEL (I)														
BP Amoco	Oil	Active	6060-6080	8 5/8	1002	500	11	1.32	3.9321		surface	6/27/1961	30-015-01584	6199
Empire Abo Unit #35				4 1/2	6199	850	6 1/4	1.32	9.7421	640				
1650 FSL & 1750 FEL (J)														
Marbob Energy	Oil	P&A	2024-2034	8 5/8	560	set	10	1.32	7.1565			3/15/1961	30-015-01573	2062
N.G. Phillips #5				5 1/2	2057	381	7 7/8	1.32	5.7695		surface			
1650 FSL & 1650 FEL (J)														
Marbob Energy	Oil	Active	2040-2050									5/6/1961	30-015-01591	2078
Walker State #2				5 1/2	2078	584	7 7/8	1.32	5.7695	Circ.				
330 FSL & 1650 FEL (O)														
Marbob Energy	Oil	Active	2030-2040	8 5/8	579	200	10	1.32	7.1565	70		2/18/1977	30-015-22016	2094
Walker State #4				4 1/2	2094	575	7 7/8	1.32	4.3861	520				
900 FSL & 2287 FEL (O)														
Marbob Energy	Oil	Active	2434-2738	8 5/8	546	350	10	1.32	7.1565	Circ.		11/1/1983	30-015-24611	3017
Samedan State #1				5 1/2	2999	750	7 7/8	1.32	5.7695	Circ.				
330 FSL & 2287 FEL (O)														
BP Amoco	Oil	P&A	6114-6138	8 5/8	732	400	10	1.32	7.1565	Circ.		7/7/1960	30-015-01580	6240
Empire Abo Unit D #35				4 1/2	6240	900	6 1/4	1.32	9.7421	1700				
330 FSL & 1980 FEL (O)														

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BP Amoco	Oil	Active	6180-6190	8 5/8	751	350	10	1.32	7.1565	Circ.		7/18/1960	30-015-01582	6271
Empire Abo Unit #36				5 1/2	6271	850	7 7/8	1.32	5.7695	150'				
330 FSL & 660 FEL (P)														
Marbob Energy	Oil	Active	2155-2774	8 5/8	506	350	10	1.32	7.1565	Circ.		6/6/1984	30-015-24848	2980
N.G. Phillips #37				5 1/2	2980	600	7 7/8	1.32	5.7695	Circ.				
1165 FSL & 978 FEL (P)														
BP Amoco	Oil	Active	6300-6310	8 5/8	800	450	11	1.32	3.9321		surface	3/23/1979	30-015-22803	6414
Empire Abo Unit #361				5 1/2	6414	1600	7 7/8	1.32	5.7695		surface			
136 FSL & 800 FEL (P)														
Marbob Energy	Oil	Active	2046-2696	8 5/8	547	350	10	1.32	7.1565	Circ.		6/21/1983	30-015-24477	3749
N.G. Phillips #32				5 1/2	3749	1050	7 7/8	1.32	5.7695	Circ.				
440 FSL & 979 FEL (P)														
Marbob Energy	Oil	Active	2443-2845	8 5/8	500	250	10	1.32	7.1565	Surf.		3/17/1984	30-015-24776	3012
N.G. Phillips #36				5 1/2	3012	600	7 7/8	1.32	5.7695	Circ.				
335 FSL & 330 FEL (P)														
Marbob Energy	Oil	P&A	2082-2092	8 5/8	500	50	10	1.32	7.1565		146	10/7/1960	30-015-01571	2133
N.G. Phillips #3				5 1/2	2122	135	7 7/8	1.32	5.7695		1351			
330 FSL & 330 FEL (P)														
Dreyfus	Gas	Active	9949-10201	13 3/8	435	425	17	1.32	1.6645	Circ.		10/2/2000	30-015-31173	10,660
Gerolamo "27" State #1				9 5/8	2649	850	12 1/4	1.32	3.1917	Circ.				
700 FSL & 1850 FEL (O)				5 1/2	10659	1375	7 7/8	1.32	5.7695		2805			
T-17-S, R-28-E, Section 34														
BP Amoco	Oil	Inactive	6258-6288	8 5/8	887	350	11	1.32	3.9321		surface	7/18/1960	30-015-01720	6345
Empire Abo Unit E #36				4 1/2	6345	750	7 7/8	1.32	4.3881	950				
966 FNL & 660 FEL (A)														
Marbob Energy	Oil	Active	2360-2500	8 5/8	578	50	10	1.32	7.1565		224	6/24/1961	30-015-01700	2593
Amoco State A #1				5 1/2	2534	150	7 7/8	1.32	5.7695		1677			
505 FNL & 660 FEL (A)														
BP Amoco	Oil	Inactive	6169-6236	8 5/8	750	300	11	1.32	3.9321	Surf.		5/13/1978	30-015-22487	6236
Empire Abo Unit E #361				5 1/2	6169	1020	7 7/8	1.32	5.7695	240'				
620 FNL & 1200 FEL (A)										DV @ 3008				
Marbob Energy Corp	Oil	Active	2465-2900	8 5/8	498	350	10	1.32	7.1565	Circ.		12/3/1985	30-015-25471	3030
Amoco State A #3				5 1/2	3015	1150	7 7/8	1.32	5.7695	Circ.				
965 FNL & 330 FEL (A)														

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BP Amoco	Oil	Inactive	6260-6270	8 5/8	800	450	11	1.32	3.9321	Circ.		3/3/1970	30-015-22804	6350
Empire Abo Unit #363				5 1/2	6350	1650	7 7/8	1.32	5.7695	Circ.				
650 FNL & 120 FEL (A)										DV @ 3025				
Marbob Energy Corp	Oil	Active	2319-2820	8 5/8	505	350	11	1.32	3.9321	Circ.		1/2/1986	30-015-25508	3090
Amoco State A #2				5 1/2	3082	1000	7 7/8	1.32	5.7695	Circ.				
443 FNL & 978 FEL (A)														
BP Amoco	Oil	Active	6230-6240	8 5/8	750	650	11	1.32	3.9321	Circ.		4/5/1979	30-015-22817	6350
Empire Abo State #362				5 1/2	6256	750	7 7/8	1.32	5.7695	Circ.				
1200 FNL & 1200 FEL (A)										DV @ 3018				
BP Amoco	Oil	Active	6158-6192	8 5/8	770	450	10	1.32	7.1565	Circ.		8/2/1960	30-015-01716	6256
Empire Abo Unit E #35				5 1/2	6256	850	7 7/8	1.32	5.7695	1450				
869 FNL & 1967 FEL (B)														
Marbob Energy	Oil	Active	2448-2791	8 5/8	470	350	12 1/4	1.32	2.4219	Circ.		10/14/1986	30-015-25636	3030
Flemming State #2				5 1/2	3042	1100	7 7/8	1.32	5.7695	Circ.				
355 FNL & 1910 FEL (B)														
Marbob Energy	Oil	P&A	2064-2074	8 5/8	594	50	10	1.32	7.1565		240	2/2/1962	30-015-01701	2208
Amoco State C #1				5 1/2	2176	100	7 7/8	1.32	5.7695		1605			
344 FNL & 1650 FEL (B)														
Marbob Energy	Oil	Active	2406-2867	8 5/8	470	350	10	1.32	7.1565	Circ.		4/24/86	30-015-25601	3112
Flemming State #1				5 1/2	3092	1100	7 7/8	1.32	5.7695	Circ.				
2260 FNL & 1850 FEL (G)														
Fulton Co.	Oil	Active	836-854	8 5/8	555	50	10	1.32	7.1565		201	12/17/1974	30-015-01707	2240
Pan American #1				5 1/2	1673	75	7 7/8	1.32	5.7695		1245			
2310 FNL & 1650 FEL (G)														
BP Amoco	Oil	Inactive	6228-6276	8 5/8	1000	650	11	1.32	3.9321	Circ.		6/30/1960	30-015-01715	6336
Empire Abo Unit F #35 (G)				4 1/2	6336	850	7 7/8	1.32	4.3861	1350				
1939 FNL & 1966 FEL														
BP Amoco	Oil	Inactive	6215-6315	8 5/8	1012	550	11	1.32	3.9321	Circ.		9/24/1975	30-015-21537	6315
Empire Abo Unit F #351				5 1/2	6315	1246	7 7/8	1.32	5.7695	Circ.				
2250 FNL & 1650 FEL (G)										DV @ 3998				
BP Amoco	Oil	Inactive	6202-6222	8 5/8	753	550	10	1.32	7.1565	Surf.		11/8/1978	30-015-22628	6283
Empire Abo Unit F #352				5 1/2	6283	1625	7 7/8	1.32	5.7695	Circ.				
1330 FNL & 1980 FEL (G)										DV @ 3006				
BP Amoco	Oil	Active	6275-6303	8 5/8	775	450	10	1.32	7.1565	Circ.		7/17/1960	30-015-01719	6339
Empire Abo Unit #36				4 1/2	6339	950	6 1/4	1.32	9.7421	975				
2263 FNL & 660 FEL (H)														

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Larue, C.E. & Muncy B.M.	Oil	Inactive	2172-2312	8 5/8	450	50	10	1.32	7.1565		96	9/1/1961	30-015-01725	2338
Moore State #1				5 1/2	2328	75	7 7/8	1.32	5.7695		1900			
1650 FNL & 330 FEL (H)														
BP Amoco	Oil	Inactive	6233-6245	8 5/8	756	275	11	1.32	3.9321	Surf.		3/2/1977	30-015-21963	6350
Empire Abo Unit F #361				5 1/2	6350	1550	7 7/8	1.32	5.7695	Circ.				
1765 FNL & 1270 FEL (H)										DV @4349				
Marbob Energy	Oil	Active	2425-2952	8 5/8	505	350	12 1/4	1.32	2.4219	Circ.		12/31/1985	30-015-25470	3060
Moore State #3				5 1/2	304	1100	7 7/8	1.32	5.7695	Circ.				
2260 FNL & 330 FEL (H)														
BP Amoco	Oil	Inactive	6179-6203	8 5/8	750	500	11	1.32	3.9321	Surf.		11/23/1978	30-015-22630	6384
Empire Abo Unit F #362				5 1/2	6478	1575	7 7/8	1.32	5.7695	Circ.				
1850 FNL & 350 FEL (H)										DV @ 3320				
BP Amoco	Oil	Inactive	6220-6230	8 5/8	750	450	11	1.32	3.9321	Circ.		5/2/1979	30-015-22820	6350
Empire Abo Unit F #363				5 1/2	6348	1600	7 7/8	1.32	5.7695	Circ.				
2250 FNL & 1250 FEL (H)										DV @ 2980				
BP Amoco	Oil	Active	6224-6234	8 5/8	744	450	11	1.32	3.9321	Circ.		7/6/1979	30-015-22927	6350
Empire Abo Unit #364				5 1/2	6350	480	7 7/8	1.32	5.7695	Circ.				
1550 FNL & 750 FEL (H)										DV @ 3981				
Meirose Energy	Oil	Inactive	2014-2294	7	580	75	8 3/4	1.32	6.6494		86	12/2/1956	30-015-22940	2320
Artesia Unit # 24				4 1/2	2320	150	6 1/4	1.32	9.7421		873			
1980 FSL & 660 FEL (I)														
BP Amoco	Oil	Inactive	6230-6240	8 5/8	800	450	11	1.32	3.9321	Circ.		3/27/1979	30-015-22823	6350
Empire Abo Unit G #361				5 1/2	6350	1715	7 7/8	1.32	5.7695	Circ.				
2400 FSL & 300 FEL (I)										DV @4507				
BP Amoco	Oil	P&A	6196-6216	8 5/8	839	250	SEE ATTACHED PLUGGING DIAGRAM					5/2/1960	30-015-01706	6459
Empire Abo Unit G #36				5 1/2	6464	450								
2310 FSL & 990 FEL (I)														
Meirose Energy	Oil	Active	1968-2240	8 5/8	540	75	10	1.32	7.1565		9	12/6/1956	30-015-01723	2334
Artesia Unit #25				4 1/2	2334	400	8	1.32	4.1891		675			
1980 FSL & 1880 FEL (J)														
BP Amoco	Oil	Inactive	6190-6200	8 5/8	600	375	11	1.32	3.9321	Circ.		12/6/1956	30-015-22123	6365
Empire Abo Unit G #351				4 1/2	2334	400	7 7/8	1.32	4.3881	1350				
1850 FSL & 1650 FEL (J)														
BP Amoco	Oil	Inactive	6214-6234	8 5/8	750	450	11	1.32	3.9321	Circ.		5/25/1979	30-015-22846	6351
Empire Abo Unit G #352				5 1/2	6351	1700	7 7/8	1.32	5.7695	Circ.				
2200 FSL & 1450 FEL (J)										DV @3013				

Well and Location	Type	Status	Perforations	Casing Size	Depth	No. of Sacks	Hole Size	CMT YLD	FT/FT3	Meas. TOC	Calc. TOC	Date Drilled	API Number	TD
BP Amoco	Oil	Inactive	6218-6238	8 5/8	752	400	11	1.32	3.9321	Circ.		6/7/1979	30-015-22265	6350
Empire Abo Unit G #353				5 1/2	6350	1555	7 7/8	1.32	5.7695	Circ.				
1420 FSL & 2050 FEL (J)										DV @ 3021				
Melrose Energy	Oil	Inactive	2358-2413	8 5/8	537	50	11	1.32	3.9321		342	5/2/1956	30-015-01709	2413
Artesia Unit #27				5 1/2	2331	100	8	1.32	5.4303		1793			
705 FSL & 550 FEL (P)														
Melrose Energy	Oil	Active	2417-2705	13 3/8	513	525	17.5	1.32	1.4390		surface			
Artesia Unit #68				9 5/8	2625	1200	10 3/4	1.32	7.9955		surface			
2230 FSL & 1765 FEL (J)				4 1/2	3127	650	6 1/4	1.32	9.7421		surface	3/22/1998	30-015-26452	10,780
Melrose Energy	Oil	Active	2274-2816	8 5/8	303	300	12 1/4	1.32	2.4219	Circ.		3/10/1998	30-015-30001	3125
Artesia Unit #77				4 1/2	3125	700	7 7/8	1.32	4.3881	Circ.			Circ. All strings	
1734 FSL & 330 FEL (I)														
Melrose Energy	Int	Active	2325-2399	8 5/8	538	50	10 3/4	1.32	4.4514		318	4/1/1956	30-015-01708	2399
Artesia Unit #26				5 1/2	2325	60	7 7/8	1.32	5.7695		1982			
330 FSL & 1650 FEL (O)														
BP Amoco	P&A			8 5/8	805	350	SEE ATTACHED PLUGGING DIAGRAM					4/3/1960	30-015-01703	6299
Empire Abo Unit #35				5 1/2	6289	200								
970 FSL & 2274 FEL (O)														
Phillips Gordon	P&A			8 5/8	702	50	SEE ATTACHED PLUGGING DIAGRAM					7/14/1953	30-015-01722	2633
Carpeis-Lavers #3														
330 FSL & 1650 FVL (N)														
Vintage Drilling	Oil	Active	1875-2238	10	313	Unk.						11/15/1940	30-015-01705	2400
Carpeis-Lavers #2			OH	8 1/4	518	Unk.								
330 FSL & 330 FVL (M)				5 1/5	1875	25	7 7/8	1.32	5.2206		1746			
Marbob	Oil	Active	3942-4245	8 5/8	429	350	12 1/4	1.32	2.4219	Circ.		2001	30-015-31389	
State D #19				5 1/2	4487	900	7 7/8	1.32	5.7695	Circ.				
2310 FSL & 330 FEL (I)														
Dreyfus	Gas	Active	10461-	13 3/8	443	430	17	1.32	1.6645	Circ.		2001	30-015-31550	
Garconino State "34" #2			10472	9 5/8	2705	1000	12 1/4	1.32	3.1917	Circ.	262			
1650 FNL & 1140 FEL (H)				5 1/2	10600	1810	7 7/8	1.32	5.7695					
T-17-S R-28-E Section 35														
BP Amoco	Oil	Active	6232-6253	8 5/8	750	500	11	1.32	3.9321	Circ.		9/2/1976	30-015-21826	6404
Empire Abo Unit # 391				5 1/2	6404	1750	7 7/8	1.32	5.7695	Circ.				
135 FNL & 2567 FEL (B)										DV@4389				

Well and Location	Type	Status	Perforations	Casing Size	Depth	No. of Sacks	Hole Size	CMT YLD	FT/FT3	Meas. TOC	Calc. TOC	Date Drilled	API Number	TD
Melrose Energy	Oil	Active	2640-2900	13 3/8	400	375	17 1/2	1.32	1.4390	Circ.		1/13/1993	30-015-27161	10,720
Artesia Unit #70				9 5/8	2600	1000	12 1/4	1.32	3.1917	Circ.				
915 FNL & 990 FWL (D)				4 1/2	3100	625	7 7/8	1.32	4.3881	Circ.				
Melrose Energy	Oil	Active	2603-2859	8 5/8	355	375	12 1/4	1.32	2.4219	Circ.		10/17/1997	30-015-29700	3000
Artesia Unit #69				5 1/2	2991	750	7 7/8	1.32	5.7695	Circ.				
430 FNL & 990 FWL (D)														
Melrose Energy	Oil	Active	2347-2894	8 5/8	350	375	12 1/4	1.32	2.4219	Circ.		1/11/1998	30-015-29862	3010
Artesia Unit #71 (E)				5 1/2	3004	650	7 7/8	1.32	5.7695	Circ.				
1650 FNL & 330 FWL														
Melrose Energy	Oil	Active	2707-2899	8 5/8	348	350	12 1/4	1.32	2.4219	Circ.		2/27/1998	30-015-29863	3150
Artesia Unit #72				4 1/2	3095	700	7 7/8	1.32	4.3881	Circ.				
2210 FNL & 990 FWL (E)														
Melrose Energy	Oil	Active	2668-2678	8 5/8	311	300	12 1/4	1.32	2.4219	Circ.		2/10/1998	30-015-29998	3000
Artesia Unit #74				4 1/2	2999	700	7 7/8	1.32	4.3881	Circ.				
449 FNL & 1651 FWL (C)														
Melrose Energy	Oil	Active	2610-2798	8 5/8	327	275	12 1/4	1.32	2.4219	Circ.		3/28/1998	30-015-29999	3000
Artesia Unit #75				4 1/2	3000	700	7 7/8	1.32	4.3881	Circ.				
1650 FNL & 1650 FWL (F)														
Melrose Energy	Oil	Active	2588-2912	8 5/8	314	325	12 1/4	1.32	2.4219	Circ.		3/25/1998	30-015-30000	3125
Artesia Unit #76				4 1/2	3120	650	7 7/8	1.32	4.3881	Circ.				
1650 FSL & 1155 FWL (L)														
BP Amoco	Oil	Inactive	6297-6315	8 5/8	750	300	10	1.32	7.1565	Circ.		6/19/1960	30-015-01737	6405
Empire Abo Unit E #40				5 1/2	6405	320*	7 7/8	7.3 & 1.88	5.7695	1467				
660 FNL & 660 FEL (A)				*5 1/2 cmt'd w/	170 sx HYS & 150 sx 4% Incon									
Melrose Energy	Oil	Inactive	2160-2236	7	601	75	9 5/8	1.32	4.1996		289	9/1/1960	30-015-01751	2267
Artesia Unit #8				4 1/2	2257	125	6 1/4	1.32	9.7421		1051			
330 FNL & 990 FEL (B)														
BP Amoco	Oil	Inactive	6210-6324	8 5/8	750	275	9 5/8	1.32	10.0423		surface	6/1/1960	30-015-01735	6350
Empire Abo Unit E #39				5 1/2	6350	275*	7 7/8	1.32	5.7695		1939'			
660 FNL & 1980 FEL (B)				*5 1/2 cmt'd w/	125 sx HYS & 150 sx 4% Incon						64%eff.			
BP Amoco	Oil	Inactive	6244-6254	8 5/8	798	450	11	1.32	3.9321	Circ.		4/29/1979	30-015-22818	6300
Empire Abo Unit E #392				5 1/2	6320	1700	7 7/8	1.32	5.7695	Circ.				
959 FNL & 2400 FEL (B)										DV@ 3021				
BP Amoco	Oil	Inactive	6160-6170	8 5/8	800	450	11	1.32	3.9321	Circ.		5/14/1979	30-015-22819	6300
Empire Abo Unit E #393				5 1/2	6300	1675	7 7/8	1.32	5.7695	Circ.				
1110 FNL & 2250 FEL (B)										DV@ 3024				

Well and Location	Type	Status	Perforations	Casing Size	Depth	No. of Sacks	Hole Size	CMT YLD	FT/FT3	Meas. TOC	Calc. TOC	Date Drilled	API Number	TD
BP Amoco	Oil	Inactive	6112-6120	8 5/8	800	450	10	1.32	7.1565	Circ.		4/24/1979	30-015-222843	6350
Empire Abo Unit E #395				5 1/2	6299	1260	7 7/8	1.32	5.7695	Circ.				
75 FNL & 1820 FEL (B)										DV@3003				
Meirose Energy	Oil	Active	2167-2173	7	580	75	10 3/4	1.32	2.7534		376	2/12/1961	30-015-01749	2215
Atesia Unit #10				4 1/2	2214	125	6 1/4	1.32	9.7421		1008			
360 FNL & 1950 FWL (C)														
BP Amoco	Oil	Inactive	6242-6250	8 5/8	737	300	11	1.32	3.9321	Circ.		6/11/1960	30-015-01736	6349
Empire Abo Unit E #38				5 1/2	6344	830	7 7/8	1.32	5.7695	Circ.				
660 FNL & 1980 FWL (C)														
BP Amoco	Oil	Active	6050-6102	8 5/8	750	500	11	1.32	3.9321	Circ.		8/17/1976	30-015-21822	6400
Empire Abo Unit E #382				5 1/2	6400	1825	7 7/8	1.32	5.7695	Circ.				
1175 FNL & 1316 FWL (C)										DV@3997				
BP Amoco	Oil	Inactive	6206-6216	8 5/8	750	350	11	1.32	3.9321	Circ.		1/26/1979	30-015-22765	6320
Empire Abo Unit E #383				5 1/2	6320	1450	7 7/8	1.32	5.7695	Circ.				
1190 FNL & 1910 FWL (C)										DV@2987				
BP Amoco	Oil	Inactive	6222-6236	8 5/8	750	400	11	1.32	3.9321	Circ.		1/24/1979	30-015-22766	6300
Empire Abo Unit E #384				5 1/2	6300	1550	7 7/8	1.32	5.7695	Circ.				
600 FNL & 1400 FWL (C)										DV@3008				
BP Amoco	Oil	P&A	6236-6264	8 5/8	1000	525	SEE ATTACHED PLUGGING DIAGRAM					8/8/1975	30-015-21536	6385
Empire Abo Unit E #381				5 1/2	6385	600								
1155 FNL & 2475 FWL @														
Meirose Energy	Oil	Inactive	2130-2140											
Atesia Unit #11				4 1/2	2163	450	8	1.32	4.1891		297	12/20/1960	30-015-02654	2166
360 FNL & 360 FWL (D)														
BP Amoco	Oil	Inactive	6283-6313	8 5/8	751	400	12 1/4	1.32	2.4219	46		8/16/1960	30-015-01753	6350
Empire Abo Unit E #37				5 1/2	6350	800	7 7/8	1.32	5.7695	Circ.				
660 FNL & 660 FWL (D)														
BP Amoco	Oil	Inactive	6280-6318	8 5/8	1000	450	11	1.32	3.9321	Surf.		7/4/1975	30-015-21535	6390
Empire Abo Unit E #371				5 1/2	6390	550	7 7/8	1.32	5.7695	Circ.				
1195 FNL & 10 FWL (D)										DV@4017				
BP Amoco	Oil	Inactive	6252-6270	8 5/8	750	400	11	1.32	3.9321	Surf.		8/6/1977	30-015-22203	6383
Empire Abo Unit E #372				5 1/2	6383	1000	7 7/8	1.32	5.7695	Circ.				
100 FNL & 1291 FWL (D)										DV@4211				
BP Amoco	Oil	Inactive	6255-6271	8 5/8	800	450	11	1.32	3.9321	Circ.		2/11/1979	30-015-22775	6356
Empire Abo Unit E #374				5 1/2	6345	1425	7 7/8	1.32	5.7695	Circ.				
220 FNL & 700 FWL (D)										DV@2993				

Well and Location	Type	Status	Perforations	Casing Size	Depth	No. of Sacks	Hole Size	CMT YLD	FT/FT3	Meas. TOC	Calc. TOC	Date Drilled	API Number	TD
BP Amoco	Oil	P&A	6216-6228	8 5/8	800	480	11	1.32	3.9321	Circ.		4/16/1978	30-015-22462	6275
Empire Abo Unit E #373				5 1/2	6275	1300	7 7/8	1.32	5.7695	Circ.				
150 FNL & 15 FWL (D)										DV @ 3001				
Melrose Energy	Oil	Inactive	2262-2270									12/10/1954	30-015-01745	2715
Atesla Unit #12				5 1/2	2640	75	7 7/8	1.32	5.7695	Circ Cmt		4/17/2001	Circ. Cmt to surface	
1980 FNL & 660 FWL (E)														
BP Amoco	Oil	Inactive	6266-6294	8 5/8	764	350	12 1/4	1.32	2.4219	40		8/3/1960	30-015-01752	6350
Empire Abo Unit F # 37				5 1/2	6350	850	7 7/8	1.32	5.7695	Circ.				
1850 FNL & 710 FWL (E)														
BP Amoco	Oil	Inactive	6186-6200	8 5/8	750	500	11	1.32	3.9321	Circ.		7/14/1976	30-015-21806	6400
Empire Abo Unit F #371				5 1/2	6400	2260	7 7/8	1.32	5.7695	Circ.				
2220 FNL & 25 FWL (E)										DV @ 4004				
BP Amoco	Oil	Inactive	6217-6237	8 5/8	750	400	11	1.32	3.9321	Circ.		2/3/1979	30-015-22768	6362
Empire Abo Unit F #374				5 1/2	6355	1400	7 7/8	1.32	5.7695	Circ.				
2525 FNL & 520 FWL (E)										DV @ 3004				
BP Amoco	Oil	Inactive	6230-6240	8 5/8	800	500	11	1.32	3.9321	Circ.		2/22/1979	30-015-22786	6357
Empire Abo Unit F #376				5 1/2	6357	1900	7 7/8	1.32	5.7695	Circ.				
1335 FNL & 700 FWL (E)										DV @ 3002				
BP Amoco	Oil	Inactive	6220-6240	8 5/8	800	600	11	1.32	3.9321	Circ.		3/1/1979	30-015-22772	6350
Empire Abo Unit F #375				5 1/2	6350	1550	7 7/8	1.32	5.7695	Circ.				
1780 FNL & 1175 FEL (H)										DV @ 3005				
BP Amoco	Oil	Active	6234-6242	8 5/8	805	400	11	1.32	3.9321	11		5/3/1979	30-015-22805	6350
Empire Abo Unit F #373				5 1/2	6344	1476	7 7/8	1.32	5.7695	500				
1820 FNL & 150 FWL (E)														
BP Amoco	Oil	P&A	6238-6243	8 5/8	750	300	11	1.32	3.9321	Circ.		8/22/1977	30-015-22137	6370
Empire Abo Unit #372				5 1/2	6370	500	7 7/8	1.32	5.7695	Circ.				
2490 FNL & 1100 FWL (E)										DV @ 4207				
BP Amoco	Oil	Inactive	6246-6254	8 5/8	720	250	10	1.32	7.1565	Circ.		5/15/1960	30-015-01733	6404
Empire Abo Unit F #38				5 1/2	6404	275*	7 7/8	1.32	5.7695	64				
1650 FNL & 1650 FWL (F)				*5 1/2 cmt/d w/ 125 sx HYS & 150 sx 4% Incof										
Melrose Energy	Oil	Inactive	2275-2300									3/3/1955	30-015-01754	2900
Atesla Unit #13				5 1/2	2275	80	7 7/8	1.32	5.7695	Circ.		May-01	Circ. Cmt to surface	
1980 FNL & 1980 FWL (F)														
BP Amoco	Oil	Inactive	6204-6214	8 5/8	800	300	11	1.32	3.9321	Circ.		4/5/1979	30-015-22776	6304
Empire Abo Unit F #382				5 1/2	6303	1216	7 7/8	1.32	5.7695	Circ.				
2400 FNL & 1600 FWL (F)														

Half Mile Well Radius

Well and Location	Type	Status	Perforations	Casing Size	Depth	No. of Sacks	Hole Size	CMT YLD	FT/FT3	Meas. TOC	Calc. TOC	Date Drilled	API Number	TD
BP Amoco	Oil	Inactive	6188-6200	8 5/8	795	400	11	1.32	3.9321	Circ.		4/9/1979	30-015-22806	6300
Empire Abo Unit F #383				5 1/2	6300	1350	7 7/8	1.32	5.7695	Circ.				
1600 FNL & 2350 FWL (F)										DV @3001				
BP Amoco	Oil	Inactive	6215-6234	8 5/8	750	300	11	1.32	3.9321	Circ.		7/20/1977	30-015-22138	6380
Empire Abo Unit F #381				5 1/2	6280	262	7 7/8	1.32	5.7695	Circ.				
1900 FNL & 2260 FWL (F)										DV @4194				
BP Amoco	Oil	Inactive	6200-6210	8 5/8	708	350	10	1.32	7.1565		surface	7/13/1960	30-015-01738	6350
Empire Abo Unit F #39				5 1/2	6350	350*	7 7/8	1.32	5.7695		822			
11650 FNL & 2310 FEL (G)				*5 1/2 cmt'd w/ 200 sx HYS & 150 sx 4% Incor							55% Eff.			
Melrose Energy	Oil	Inactive	2325-2375	8 5/8	400	30	10	1.32	7.1565		187	7/12/1955	30-015-01755	2387
Artesia Unit #14				5	2325	100	7 6/7	1.32	4.9894		1831			
1980 FNL & 1980 FEL (G)														
BP Amoco	Oil	Inactive	6142-6148	13 5/8	745	550	17 1/2	1.32	1.5196	Circ.		8/30/1979	30-015-22911	6425
Empire Abo Unit F #391				8 5/8	3010	950	10	1.32	7.1565	Circ.				
1545 FNL & 1625 FEL (G)				5 1/2	6205	1125	7 7/8	1.32	5.7695	Circ.				
										DV @3001				
BP Amoco	Oil	Inactive	6274-6284	8 5/8	857	375	10	1.32	7.1565		surface	9/6/1961	30-015-01740	6421
Empire Abo Unit F #40				5 1/2	6421	340*	7 7/8	7.3 & 1.88	5.7695		1125			
1650 FNL & 990 FEL (H)				*5 1/2 cmt'd w/ 190 sx HYS & 150 sx 4% Incor							55% Eff.			
Melrose Energy	Oil	Inactive	2350-2367	8 5/8	400	40	10		7.1565		400	2/26/1957	30-015-02126	2525
Artesia Unit #15				5 1/2	2350	100	7 7/8	1.32	5.7695		1779			
1980 FNL & 990 FEL (H)														
Melrose Energy	Oil	P&A	2502-2508	7	598	75	9 3/4	1.32	3.9788		303	2/26/1957	30-015-02126	2525
Artesia Unit #20				4 1/2	2525	200	6 1/4	1.32	9.7421		596			
330 FEL & 2310 FSL (I)														
Melrose Energy	Oil	Inactive	2459-2493	8 5/8	573	70	10	1.32	7.1565		77	4/1/1957	30-015-01748	2634
Artesia Unit #21				4 1/2	2525	300	8	1.32	4.1891		1281			
1980 FEL & 1980 FSL (J)														
BP Amoco	Oil	Inactive	6243-6308	8 5/8	757	350	10	1.32	7.1565		surface	8/23/1961	30-015-01739	6378
Empire Abo Unit G #38				5 1/2	6378	320*	7 7/8	7.3 & 1.88	5.7695		1545			
2310 FSL & 1650 FWL (K)				*5 1/2 cmt'd w/ 170 sx HYS & 150 sx 4% Incor							55% Eff.			
Melrose Energy	Oil	Inactive	2420-2436	8 5/8	569	75	10	1.32	7.1565		38	3/20/1967	30-015-01747	2625
Artesia Unit #22				4 1/2	2503	300	8	1.32	4.1891		1259			
1980 FSL & 1980 FWL (K)														
BP Amoco	Oil	Inactive	6226-6238	8 5/8	720	300	10	1.32	7.1565		surface	6/25/1960	30-015-01734	6351
Empire Abo Unit G #37				5 1/2	6351	320*	7 7/8	7.3 & 1.88	5.7695		1935			
2310 FSL & 330 FWL (L)				*5 1/2 cmt'd w/ 170 sx HYS & 150 sx 4% Incor										

Well and Location	Type	Status	Perforations	Casing Size	Depth	No. of Sacks	Hole Size	CMT YLD	FT/FT3	Meas. TOC	Calc. TOC	Date Drilled	API Number	TD
Melrose Energy	Oil	Inactive	2370-2378	7	611	75	8 3/4	1.32	6.6494		117	12/22/1956	30-015-01746	2395
Artesia Unit #23				4 1/2	2395	150	6 1/4	1.32	9.7421		948			
1980 FSL & 660 FWL (L)														
Yates Drfg Co.	Oil	Active	2852-2868	8 5/8	724	250	10	1.32	7.1565		surface	12/19/1960	30-015-01728	6406
Sinclair State #1				4 1/2	296	175	6 1/4	1.32	9.7421		surface			
990 FSL & 400 FWL (M)														
Melrose Energy	Oil	Inactive	OH 2356-2421	8 5/8	552	50	10	1.32	7.1565		198	5/13/1956	30-015-01732	2421
Artesia Unit #28				5 1/2	2356	100	8 5/8	1.32	4.1520		1945			
990 FSL & 330 FWL (M)														
Melrose Energy	Oil	Active	2454-2467	8 5/8	551	100	11	1.32	3.9321		162	12/25/1956	30-015-01742	2495
Artesia Unit #29				4 1/2	2494	100	8	1.32	4.1891		2079			
990 FSL & 1650 FWL (N)														
Dekalb Energy	Oil	P&A	2470-2512	8 5/8	546	100	SEE ATTACHED PLUGGING DIAGRAM							
Artesian Unit #30				4 1/2	2494	100						12/28/1956	30-015-01743	2535
990 FSL & 2310 FEL (O)														
Melrose Energy	Oil	Inactive	2506-2556	8 5/8	559	100	10	1.32	7.1565		surface	1/5/1957	30-015-01744	2575
Artesia Unit #31				4 1/2	2572	100	8	1.32	4.1891		2157			
990 FSL & 990 FEL (P)														
Melbourne	Gas	Inactive	10560-10722	20	39	15	24	1.32	1.0413		24	6/16/1982	30-015-24059	10861
State BX Com #1				13 3/8	811	950	17 1/2	1.32	1.4390		surface	5/15/1995		
660 FSL & 1980 FEL (O)				8 5/8	2713	1200	10	1.32	7.1565		surface			
				5 1/2	10861	950	7 7/8	1.32	5.7695		5435			
Amoco Production Co.	Gas	Inactive		13 3/8	558	530	17 1/2	1.32	1.4390	Circ.		5/9/1997	30-015-29133	10805
351 Evelyn #35 State Com				9 5/8	2820	1418	12 1/4	1.32	3.1917	Circ.				
1730 FNL & 660 FEL (H)				5 1/2	10805	1330	7 7/8	1.32	5.7695		3208			
Chambers & Kennedy		D&A		8 5/8	824	250	SEE ATTACHED PLUGGING DIAGRAM							
Delh-Taylor State #1												11/27/1959	30-015-01731	7002
660 FSL & 1980 FWL (N)														
Hondo Western Yates		D&A		8 5/8	769	350	SEE ATTACHED PLUGGING DIAGRAM							
State "A" #41												9/22/1961	30-015-01741	6470
2310 FSL & 2310 FEL (J)														
Melrose Energy	Oil	Inactive	2195-2201	7	599	75	10	1.32	3.5936		332	8/20/1961	30-015-01750	2255
Artesia Unit #9				4 1/2	2255	125	6 1/4	1.32	9.7421		1049			
360 FNL & 2310 FEL (B)														
Marbob	Oil	Active	3883-4222	8 5/8	519	400	10	1.32	7.1565		surface	3/3/2001	30-015-31424	4422
State D #8				5 1/2	4421	750	7 7/8	1.32	5.7695		137			
430 FNL & 1650 FEL (B)														

Half Mile Well Radius

Well and Location	Type	Status	Perforations	Casing Size	Depth	No. of Sacks	Hole Size	CMT YLD	FT/FT3	Meas. TOC	@ 100%	75%	@ 50%	Date Drilled	API Number
Melrose Energy Artesia Unit #23	Inj	Active	2370-2378	7	611	75	8 3/4	1.32	6.6494		surface	117	282	12/22/1956	30-015-01746
1980 FSL & 660 FWL (L)	Order	wfx768		4 1/2	2395	150	6 1/4	1.32	9.7421		466	948	1431		
Yates Drilg Co. Sinclair State #1	Oil	Active	2852-2868	8 5/8	724	250	10	1.32	7.1565		surface	surface	surface	12/19/1960	30-015-01728
990 FSL & 400 FWL (M)				4 1/2	296	175	6 1/4	1.32	9.7421		surface	surface	surface		
Melrose Energy Artesia Unit #28	Oil	Inactive	OH 2356-2421	8 5/8	552	50	10	1.32	7.1565		80	198	316	5/13/1956	30-015-01732
990 FSL & 330 FWL (M)				5 1/2	2356	100	8 5/8	1.32	4.1520		1808	1945	2082		
Melrose Energy Artesia Unit #29	Inj	Active	2454-2467	8 5/8	551	100	11	1.32	3.9321		32	162	291	12/25/1956	30-015-01742
990 FSL & 1650 FWL (N)	Order	wfx768		4 1/2	2494	100	8	1.32	4.1891	1944					
DeKalb Energy Artesian Unit #30	Oil	P&A	2470-2512	8 5/8	546	100	SEE ATTACHED PLUGGING DIAGRAM								546
990 FSL & 2310 FEL (O)				4 1/2	2494	100							2494		
Melrose Energy Artesia Unit #31	Oil	Inactive	2506-2556	8 5/8	559	100	10	1.32	7.1565		surface	surface	87	1/5/1957	30-015-01744
990 FSL & 990 FEL (P)				4 1/2	2572	100	8	1.32	4.1891		2019	2157	2296		
Mowbourn	Gas	Inactive	10590-10722	20	39	15	24	1.32	1.0413		18	24	29	6/16/1982	30-015-24059
State BX Com #1				13 3/8	811	950	17 1/2	1.32	1.4390		surface	surface	surface	5/15/1995	
660 FSL & 1980 FEL (O)				8 5/8	2713	1200	10	1.32	7.1565		surface	surface	surface		
1730 FNL & 660 FEL (H)				5 1/2	10861	950	7 7/8	1.32	5.7695		3626	5435	7244		
Amoco Production Co. 351 Evelyn "35" State Com	Gas	Inactive		13 3/8	558	530	17 1/2	1.32	1.4390	Circ.	surface		55	5/9/1997	30-015-29133
1730 FNL & 660 FEL (H)				9 5/8	2820	1418	12 1/4	1.32	3.1917	Circ.	surface		surface		
Chambers & Kennedy Delhi Taylor State #1				5 1/2	10805	1330	7 7/8	1.32	5.7695		676	3208	5741		
660 FSL & 1980 FWL (N)		D&A		8 5/8	824	250	SEE ATTACHED PLUGGING DIAGRAM								824
Hondo Western Yates State "A" #41		D&A		8 5/8	769	350	SEE ATTACHED PLUGGING DIAGRAM								769
2310 FSL & 2310 FEL (I)															
Melrose Energy Artesia Unit #9	Oil	Inactive	2195-2201	7	599	75	10	1.32	3.5936		243	332	421	8/20/1961	30-015-01750
380 FNL & 2310 FEL (B)				4 1/2	2255	125	6 1/4	1.32	9.7421		648	1049	1451		

Half Mile Well Radius

Well and Location	Type	Status	Perforations	Casing Size	Depth	No. of Sacks	Hole Size	CMT YLD	FT/FT3	Meas. TOC	Calc. TOC	Date Drilled	API Number	TD
Melrose Energy	Oil	Inactive	2306-2685	8 5/8	594	50	10	1.32	7.1565		240	5/27/1957	30-015-01761	2725
Artesia Unit #17				4 1/2	2722	300	8	1.32	4.1891		1478			
1980 FNL & 1980 FWL (F)														
R.B. Operating Co.	Oil	Inactive	2568-2609	8 5/8	422	50	10	1.32	7.1565		68	6/7/1965	30-015-10543	2662
Five J #2				5 1/2	2725	100	7 7/8	1.32	5.7695		2154			
1980 FNL & 1980 FEL (G)														
Melrose Energy	Oil	Active	2356-2750	8 5/8	445	75	10	1.32	7.1565		surface	6/10/1957	30-015-01762	2784
Artesia Unit #18				4 1/2	2782	200	8	1.32	4.1891		1953			
1980 FSL & 1980 FWL (K)														
Melrose Energy	Oil	Inactive	2536-2548	7	600	75	9 7/8	1.32	3.7776		320	3/16/1957	30-015-01760	2730
Artesia Unit #19				4 1/2	2677	200	6 1/4	1.32	9.7421		748			
1980 FSL & 660 FWL (L)														
Melrose Energy	Oil	WIW	2498-2609	8 5/8	550	50	10	1.32	7.1565		196	7/21/1956	30-015-01764	2609
Artesia Unit #32				5 1/2	2498	100	8	1.32	5.4303		1960			
990 FSL & 330 FWL (M)														
Melrose Energy	Oil	Inactive	2555-2785	8 5/8	558	50	10	1.32	7.1565		204	12/26/1956	30-015-01758	2812
Artesia Unit #33				5 1/2	2693	65	7 7/8	1.32	5.7695		2322			
330 FSL & 1631 FWL (N)														
BP Amoco	Gas	Inactive	10,780-787	13 3/8	540	640	17 1/2	1.32	1.4390	Surf.		4/18/1996	30-015-28760	11,072
Dorothy State 36 C #1				8 5/8	2630	1025	12 1/4	1.32	2.4219	250				
1163 FSL & 1647 FWL(N)				7	9800	400	7 7/8	1.32	14.0810	8076				
				5 1/2	3410	750	6 1/8	1.32	25.2246					
				5 12" liner set @ 9474 to 10342										
Marbob	Oil	Active	4011-4276	8 5/8	516	400	10	1.32	7.1565		surface	1/15/2001	30-015-31165	4490
State D #10				5 1/2	4490	1150	7 7/8	1.32	5.7695		surface			
330 FNL & 990 FWL (D)														
Marbob	Oil	Not												
State D #25		Comp										2001	30-015-30978	
330 FNL & 2210 FWL (C)														
Hughes														
State A #43	D&A			8 5/8	760	250	SEE ATTACHED PLUGGING DIAGRAM							6496
330 FNL & 1650 FWL (C)												10/22/1961	30-015-02153	
Dreyfus	Gas	Active	7990-8000	13 3/8	444	265	17 1/2	1.32	1.4390	Circ.		2001	30-015-31185	
Gerontimo 36" State #1				9 5/8	2652	1200	12 1/4	1.32	3.1917	Circ.				
1060 FNL & 1980 FWL @				5 1/2	10892	1560	7 7/8	1.32	5.7695		1982			

Well and Location	Type	Status	Perforations	Casing Size	Depth	No. of Sacks	Hole Size	CMT YLD	FT/FT3	Meas. TOC	Calc. TOC	Date Drilled	API Number	TD
Donnelly Drilling	P&A			8 5/8	560	50	SEE ATTACHED PLUGGING DIAGRAM						30-015-01765	2857
Sinclair State B #3														
660 FSL & 1980 FEL (O)														
BP Amoco	Oil	P & A		13 3/8	289	400	17 1/2	1.32	1.4390		surface	4/15/1982	30-015-22543	11,200
Empire Abo Unit # 19				8 5/8	2906	1400	12 1/4	1.32	2.4219		surface			
2280 FNL & 660 FEL (H)				5 1/2	11200	2300	7 7/8	1.32	5.7695		surface			
Johnston	P&A			8 5/8	439	50	SEE ATTACHED PLUGGING DIAGRAM					6/16/1965	30-015-10544	2749
Five #4														
1650 FNL & 660 FEL (H)														
T-18-S, R-28-E, Section 1														
Yates Energy	Oil	Active	2581-2652	8 5/8	710	500	10	1.32	7.1565		surface	10/27/1956	30-015-01767	3818
Fulton Collier #1				5 1/2	3410	750	7 7/8	1.32	5.7695	Circ.				
330 FNL & 1631 FWL (C)														
T-18-S, R-28-E, Section 2														
Melrose Energy	Oil	Inactive	2460-2686	8 5/8	559	75	10	1.32	7.1565		28	5/22/1957	30-015-01783	2706
Artesia Unit #34				5 1/2	2700	100	7 7/8	1.32	5.7695	1460		Well was perfor @ 1820 and sqzd w/ 450 sxs cmt		
330 FNL & 2310 FEL (B)														
Melrose Energy	Oil	Active	2476-2510	8 5/8	550	40	10	1.32	7.1565		267	2/27/1957	30-015-01785	2676
Artesia Unit #35				5 1/2	2570	70	8	1.32	5.4303		2194			
330 FNL & 1650 FWL (C)														
Melrose Energy	Oil	Inactive	2420-2432	8 5/8	550	50	10	1.32	7.1565		196	10/24/1956	30-015-01782	2500
Artesia Unit #36				7	2492	100	8	1.32	12.2182		1282			
330 FNL & 330 FWL (D)														
T-18-S, R-28-E, Section 3														
Melrose Energy	Oil	Active	2912-2996	8 5/8	320	250	12 1/4	1.32	2.4219	Circ.		3/24/1998	30-015-30002	3100
Artesia Unit #78				4 1/2	3092	350	7 7/8	1.32	4.3881	Circ.				
1650 FNL & 330 FEL (H)														
Melrose Energy	Oil	Active	2403-2415	8 5/8	552	50	10	1.32	7.1565		198	8/4/1956	30-015-01800	2622
Artesia Unit #37				5 1/2	2457	60	8	1.32	5.4303		2134			
990 FNL & 990 FEL (A)														
Melrose Energy	Oil	Inactive	2310-2325	7	510	100	11	1.32	2.5455		258	1/28/1956	30-015-02543	2424
Artesia Unit #38				4 1/2	2352	100	6 1/4	1.32	9.7421		1388			
660 FNL & 1980 FEL (B)														

Half Mile Well Radius

Well and Location	Type	Status	Perforations	Casing Size	Depth	No. of Sacks	Hole Size	CMT YLD	FT/FT3	Meas. TOC	Calc. TOC	Date Drilled	API Number	TD
Melrose Energy	Oil	Inactive	2315-2400	8 5/8	521	50	11	1.32	3.9321		326	11/1/1955	30-015-02542	2401
Artesia Unit #39				5 1/2	2315	75	8	1.32	5.4303		1912			
992 FNL & 2275 FWL (C)														
Melrose Energy	Oil	Inactive	2313-2345	10 1/2	370	Unk.	12 1/4	1.32	4.6034			1/1/1927	30-015-01799	2365
Artesia Unit #40				8 1/4	520	Unk.	10	1.32	5.7385					
1070 FNL & 1570 FWL (C)				5 3/16	2260	Unk.	8	1.32	4.9413					
Melrose Energy	Oil	Inactive	2152-2252	8 1/4	507	50	10	1.32	5.7385		223	4/16/1941	30-015-01776	2252
Artesia Unit #41				7	2152	100	8	1.32	12.2182		942			
330 FNL & 330 FWL (D)														
Melrose Energy	Oil	Inactive	2282-2326	8 5/8	507	50	10	1.32	7.1565		153	7/1/1955	30-015-02547	2338
Artesia Unit #42				5 1/2	2338	25	7 7/8	1.32	5.7695		2195			
990 FNL & 330 FSL (D)														
Melrose Energy	Oil	Inactive	2280-2420	4 1/2	2302	150	6 1/4	1.32	9.7421	1510		12/10/1956	30-015-01796	2430
Artesia Unit #44		WW						1.32				Well was perforated and sqzd w/ cmt.		
2310 FNL & 990 FWL (E)												Temp survey showed top @ 1510'		
Melrose Energy	Oil	Inactive	2282-2326	Unk.		Unk.						6/15/1928	30-015-01790	2366
Artesia Unit #43														
1980 FNL & 250 FWL (E)														
Melrose Energy	Oil	Inactive	2390-2400	10	305	Unk.						1927	30-015-01775	2965
Artesia Unit #45				8 1/4	518	Unk.								
2390 FNL & 1570 FEL (F)														
Melrose Energy	Oil	Active	2370-2419	8 5/8	330-530	Unk.						9/30/1955	30-015-02541	2563
Artesia Unit #46				5 1/2	2453	175	8	1.32	5.4303		1512	8 5/8 pulled aparted when pulled		
2310 FNL & 2267 FWL (F)														
Melrose Energy	Oil	Inactive	2152-2408	8 5/8	450	75	12	1.32	2.6329		255	11/9/1956	30-015-02545	2576
Artesia Unit #47				4 1/2	2519	150	8	1.32	4.1891		1897			
1980 FNL & 1980 FEL (G)														
Melrose Energy	Oil	Active	2272-2485	8 5/8	550	75	10	1.32	7.1565		19	6/8/1956	30-015-01789	2656
Artesia Unit #48				5 1/2	2500	100	8	1.32	5.4303		1962			
2310 FNL & 990 FEL (H)														
Melrose Energy	Oil	Active	2190-2525	8 5/8	509	50	10	1.32	7.1565		155	12/30/1955	30-015-01787	2525
Artesia Unit #52				7	2424	100	8	1.32	12.2182		1214			
1650 FSL & 990 FEL (I)														
Melrose Energy	Oil	Inactive	2327-2438	8 5/8	591	50	10	1.32	7.1565		237	4/1/1956	30-015-07880	2628
Artesia Unit #53				5 1/2	2504	100	8	1.32	5.4303		1966			
1650 FSL & 1650 FEL (J)														

Half Mile Well Radius

Well and Location	Type	Status	Perforations	Casing Size	Depth	No. of Sacks	Hole Size	CMT YLD	FT/FT3	Meas. TOC	Calc. TOC	Date Drilled	API Number	TD
Melrose Energy	Oil	Active	2342-2349	8 1/4	535	50	10	1.32	5.7365		251	8/11/1955	30-015-01801	2473
Artesia Unit #54				5 1/2	2455	50	7 7/8	1.32	5.7695		2169			
1654 FSL & 2272 FWL (K)														
Melrose Energy	Oil	Inactive	2400-2420	Unk.		Unk.						7/11/1926	30-015-01798	2442
Artesia Unit #55														
2390 FSL & 1570 FWL (K)														
Melrose Energy	Oil	Inactive	2072-2442	7	2072	Unk.						3/28/1926	30-015-01797	2442
Artesia Unit #56														
1570 FSL & 1570 FWL (K)														
Melrose Energy	Oil	P&A	2320-2432	8 1/4	682	Unk.	SEE ATTACHED PLUGGING DIAGRAM					8/23/1927	30-015-01795	2438
Artesia Unit #57				7	619	Unk.								
1570 FSL & 1070 FWL (L)														
Melrose Energy	Oil	Active	2403-2418	10	324	Unk.						1/30/1926	30-015-01791	2445
Artesia Unit #58				8 1/4	635	Unk.								
1070 FSL & 250 FWL (M)														
Melrose Energy	Oil	Inactive	2403-2443	10	354	Unk.						2/23/1926	30-015-01792	2474
Artesia Unit #59				8 1/4	807	Unk.								
330 FSL & 330 FWL (M)				4 1/2	2362	200	6 1/4	1.32	9.7421	1425		Temp Survey		
Melrose Energy	Oil	Active	2450-2466	8	300	Unk.	10	1.32	5.0909			4/17/1955	30-015-02548	2625
Artesia Unit #60			& 2351-61	7	750	50	8	1.32	12.2182		145			
1880 FSL & 660 FSL (N)				5	2511	100	7	1.32	7.6364	surface		Sqzd in 1980		
Melrose Energy	Oil	P&A	2434-2452	5	2517	100	SEE ATTACHED PLUGGING DIAGRAM					6/3/1958	30-015-02550	2517
Artesia Unit #61														
660 FSL & 2310 FEL (O)														
Melrose Energy	Oil	Active	2433-2512	8 5/8	545	40	10	1.32	7.1565		262	10/7/1955	30-015-02544	2512
Artesia Unit #62				5 1/2	2433	160	8	1.32	5.4303		1573			
991 FSL & 976 FEL (P)														
Devon Energy Corp.	Gas	Active	10.414-10.424	20	41	15	24	1.32	1.0413	Circ.		4/19/1982	30-015-24005	10.740
Featherstone State #1				13 3/8	415	400	17 1/2	1.32	1.4390	Circ.				
1680 FSL & 660 FEL (I)				8 5/8	2813	1675	12 1/4	1.32	2.4219	Circ.				
				5 1/2	740	2150	7 7/8	1.32	5.7695	Circ.				
Melrose	P&A			8 5/8	561	300	SEE ATTACHED PLUGGING DIAGRAM					8/31/1970	30-015-20322	2435
Artesia Unit #66				5 1/2	2435	600								
1550 FNL 7 1950 FWL (F)														
Melrose	WIW	Active	2158-2443	8 5/8	534	250	11	1.32	3.9321		surface	1/14/1970	30-015-20273	2600
Artesia Unit #65				4 1/2	2600	625	7 7/8	1.32	4.3881		surface			
2280 FNL & 1980 FEL (G)														

Well and Location	Type	Status	Perforations	Casing Size	Depth	No. of Sacks	Hole Size	CMT YLD	FT/FT3	Meas. TOC	Calc. TOC	Date Drilled	API Number	TD
Melrose	WIW	Inactive	2388-2426	8 5/8	550	300	10	1.32	7.1565	Circ.		8/31/1970	30-015-20327	2478
Artesia Unit #67				5 1/2	2478	575	7 7/8	1.32	5.7695	Circ.				
2200 FSL & 2200 FWL (K)														
Flynn Welch	P&A			10	328	Unk.	SEE ATTACHED PLUGGING DIAGRAM					5/13/2026	30-015-01794	2432
State 647 #42				8 1/4	723	Unk.								
2390 FSL & 1070 FWL (L)														
Flynn Welch	P&A			10	374	Unk.	SEE ATTACHED PLUGGING DIAGRAM					5/7/2026	30-015-01793	2428
State 647 #41				8 1/4	715	Unk.								
1570 FSL & 250 FWL (L)														
T-18-S, R-28-E, Section 4														
BAW Oil Co.	Oil	Active	2231-2238	8 5/8	485	50	10	1.32	7.1565		131	8/21/1959	30-015-02556	2307
Smith State #1				4 1/2	2306	100	6 1/4	1.32	9.7421		1342			
660 FNL & 660 FEL (A)														
Fina Oil & Chemical	Oil	P&A	2505-2526	8 5/8	505	50	10	1.32	7.1565		151	3/9/1954	30-015-02590	2526
Humble Stout State #1														
2310 FSL & 330 FEL (I)														
Melrose Energy	Oil	Inactive	2040-2344	10	310	Unk.						9/16/1925	30-015-02580	2344
Lavers State #1				8 1/4	600	Unk.								
1070 FSL & 1070 FEL (P)				6 5/8	2040	Unk.								
Melrose Energy	Oil	Inactive	2270-2402	8 1/4	520	Unk.						11/29/1925	30-015-02581	2402
Lavers State #2				5 1/2	2310	25	7 7/8	1.32	5.7695		2167			
250 FSL & 1070 FEL (P)														
Melrose Energy	Oil	Inactive	2353-2400	8 1/4	500	Unk.						12/26/1925	30-015-02582	2400
Lavers State #3				6 5/8	2151	Unk.								
250 FSL & 250 FEL (P)														
Melrose Energy	Oil	Inactive	2047-2393	8 1/4	515	Unk.						12/4/1925	30-015-02583	2417
Lavers State #4				6 5/8	2148	Unk.								
1070 FSL & 250 FEL (P)														
Fina	Oil	P&A	2414-2416	10	535	Unk.	SEE ATTACHED PLUGGING DIAGRAM					12/1/1925	30-015-02573	2416
Lavers State #5				8 1/4	850	Unk.								
1070 FSL & 1570 FEL (O)				6 5/8	869	Unk.								
				4 1/2	244	Unk.								
Magonaillie	P&A			10 3/4	285		SEE ATTACHED PLUGGING DIAGRAM					12/31/1948	30-015-02557	2818
Carper State #1				8 1/4	535									
330 FNL & 330 FEL (A)				7	1913									

Half Mile Well Radius

Well and Location	Type	Status	Perforations	Casing Size	Depth	No. of Sacks	Hole Size	CMT YLD	FT/FT3	Meas. TOC	Calc. TOC	Date Drilled	API Number	TD
Maloney-Chambers State #1	P&A						SEE ATTACHED PLUGGING DIAGRAM					12/15/2025	30-015-02559	2500
2390 FNL & 1070 FEL (H)														
Frontier Petroleum	P&A						SEE ATTACHED PLUGGING DIAGRAM					12/23/2025	30-015-02565	2408
McQuigg #5														
1570 FSL & 1570 FEL (J)														
Sunray DX Oil	P&A						SEE ATTACHED PLUGGING DIAGRAM					12/25/2025	30-015-02560	2425
Bookman State #1														
1570 FSL & 1070 FEL (I)														
T-18-S, R-28-E, Section 9														
Sandick Energy	Oil	Active	2318-2436	8 5/8	337	220	10	1.32	7.1565	Circ.		10/1/1985	30-015-25371	2560
Thomas State #2				5 1/2	2493	500	7 7/8	1.32	5.7695	Circ.				
330 FNL & 330 FEL (A)														
T-18-S, R-28-E, Section 10														
Malrose Energy	Oil	Inactive	2320-2518	8 5/8	320	50	10	1.32	7.1565		surface	2/12/1956	30-015-01808	2518
Dunn B Federal #12				4 1/2	2453	100	6 1/4	1.32	9.7421		1489			
660 FNL & 1980 FEL (B)														
Malrose Energy	WIW	Inactive	2448-2504	7	510	200	9 5/8	1.32	4.1996		surface	6/6/1956	30-015-01812	2668
Dunn B Federal #17				4 1/2	2572	100	6 1/4	1.32	9.7421		1608			
660 FNL & 1980 FWL (C)														
Malrose Energy	Oil	Active	2356-2606	8 5/8	533	75	10	1.32	7.1565		2	10/23/1957	30-015-01815	2651
Dunn B Federal #23				4 1/2	2651	200	6 1/4	1.32	9.7421		722			
660 FNL & 660 FWL (D)														

**Wells that pumped HYS 400 cement with a measured TOC,
used to calculate an average cement effeciency for HYS 400**

Well Name	TD	HYS-400 4% Incor.			TOC	Act. Ft. Created	FT/FT3	Calc. Ft. Created, HYS		Calc. Ft. Created, Yld.=1.88		Calc. Ft. Created, Total	% Eff	% Eff W/O highest percent
		Sx	Cmt Sx					Yld.=7.3						
Empire Abo Unit D # 38	6,435	162	150	688	5,747	5.77	6,824	1,627	8,451	0.68	0.68			
Empire Abo Unit #39	6,332	170	150	1,535	4,797	5.77	7,161	1,627	8,788	0.55	0.55			
Empire Abo Unit E #40	6,405	170	150	1,467	4,938	5.77	7,161	1,627	8,788	0.56	0.56			
Empire Abo Unit F #38	6,404	125	150	64	6,340	5.77	5,265	1,627	6,892	0.92				
Empire Abo Unit G #37	6,351	170	150	1,935	4,416	5.77	7,161	1,627	8,788	0.50	0.50			
													3.21	2.29
													Average efficiency	
													0.64	0.57

**Wells that pumped cement with a measured TOC
which are not HYS 400 or using a DV tool,
used to calculate an average cement efficiency.**

Yld.=1.32						
			Act. Ft.	Calc. Ft.		
Well Name	TD	Cmt Sx	TOC	Created	FT/FT3	Created
						% Eff.
EAU 35	6,199	850	640	5,559	4.388	4,923
Walker #4	2,094	575	520	1,574	4.388	3,330
EAU D 35	6,240	900	1,700	4,540	4.388	5,213
EAU 36	6,271	850	1,890	4,381	5.77	6,474
EAU E 36	6,345	750	950	5,395	4.388	4,344
EAU E 35	6,256	850	1,450	4,806	5.77	6,474
EAU F 35	6,336	850	1,350	4,986	4.388	4,923
EAU 36	6,339	950	975	5,364	4.388	5,503
AU 59	2,362	200	1,425	937	4.388	1,158
						7.93
Average % Efficiency						0.88

BP Wells

Well and Location	Type	Status	Perforations	Casing Size	Depth	No. Sacks	Hole Size	CMT YLD	FT/FT3	Meas. TOC	Calc. TOC	Date Drilled	API Number	TD
T-17-S R-28-E Section 26														
BP Amoco														
Empire Abo Unit D #37	Oil	Active	6080-6100	8 5/8	739	300	10	1.32	7.1565	Circ.		6/3/60	30-015-01551	6220
550 FSL & 820 FWL (M)				5 1/2	6218	275*	7 7/8	7.3 & 1.88	5.7695	Circ.				
*5 1/2 cmt'd w/ 125 sx HYS & 150 sx 4% Incor														
T-17-S R-28-E Section 27														
BP Amoco	Oil	Active	6180-6190	8 5/8	751	350	10	1.32	7.1565	Circ.		7/18/60	30-015-01582	6271
Empire Abo Unit #36				5 1/2	6271	850	7 7/8	1.32	5.7695	150'				
330 FSL & 660 FEL (P)														
T-17-S, R-28-E, Section 34														
BP Amoco	Oil	Inactive	6190-6200	8 5/8	600	375	11	1.32	3.9321	Circ.		12/6/56	30-015-22123	6365
Empire Abo Unit G #351				4 1/2	2334	400	7 7/8	1.32	4.3881	1350				
1850 FSL & 1650 FEL (J)														
T-17-S R-28-E Section 35														
BP Amoco	Oil	Inactive	6242-6250	8 5/8	737	300	11	1.32	3.9321	Circ.		6/11/60	30-015-01736	6349
Empire Abo Unit E #38				5 1/2	6344	830	7 7/8	1.32	5.7695	Circ.				
660 FNL & 1980 FWL (C)														
BP Amoco														
Empire Abo Unit F #373	Oil	Active	6234-6242	8 5/8	805	400	11	1.32	3.9321	11		5/3/79	30-015-22805	6350
1820 FNL & 150 FWL (E)				5 1/2	6344	1476	7 7/8	1.32	5.7695	500				
BP Amoco														
Empire Abo Unit F #38	Oil	Inactive	6246-6254	8 5/8	720	250	10	1.32	7.1565	Circ.		5/15/60	30-015-01733	6404
1650 FNL & 1650 FWL (F)				5 1/2	6404	275*	7 7/8	7.3 & 1.88	5.7695	64				
*5 1/2 cmt'd w/ 125 sx HYS & 150 sx 4% Incor														
BP Amoco														
Empire Abo Unit G #37	Oil	Inactive	6226-6238	8 5/8	720	300	10	1.32	7.1565	1935		6/25/60	30-015-01734	6351
2310 FSL & 330 FWL (L)				5 1/2	6351	320*	7 7/8	7.3 & 1.88	5.7695	Meas. TOC				
*5 1/2 cmt'd w/ 170 sx HYS & 150 sx 4% Incor														
BP Amoco														
Empire Abo Unit # E-39	Oil	Inactive	6210-6324	8 5/8	750	275	9 5/8	1.32	10.0423		surface	6/1/60	30-015-01735	6350
660 FNL & 1980 FEL (B)				5 1/2	6350	275*	7 7/8	7.3 & 1.88	5.7695	1939				
*5 1/2 cmt'd w/ 125 sx HYS & 150 sx 4% Incor														
64% Eff.														

Thickening Time, Hours: Min

Cement Class	% Diamix P	Circulating Bottom Hole Temperature		
		103°F	125°F	172°F
H	20	5:00 +	2:12	0:50
H	40	5:00 +	4:18	1:15
H	50	5:00 +	5:00 +	1:35
H	60	5:00 +	5:00 +	4:15
C	20	4:12	2:12	0:40
C	40	5:00 +	2:36	1:00
C	50	5:00 +	3:07	1:10
C	60	5:00 +	3:45	1:32

Compressive Strength, psi in 24 Hours

Cement Class	% Diamix P	80°F	100°F	140°F	200°F
H	20	414	691	1172	1743
H	40	176	298	771	1354
H	50	98	205	660	1170
H	60	70	120	581	1069
C	20	604	998	1285	2069
C	40	333	548	812	1353
C	50	243	388	780	1240
C	60	198	315	638	1415

HYS-400

HYS-400 has been developed as a high-yield, low-cost slurry for cementing in areas where large slurry volumes are required. HYS-400 provides adequate strength and thickening time for placement under most cementing conditions.

Slurry Composition

Mixture	Cement Class	Water		Slurry Density		Yield cu ft/sk
		gal/sk	cu ft/sk	ppg	pcf	
HYS-400A	A	47.5	6.35	10.8	80.8	7.72
HYS-400P	A	45.1	6.03	10.6	79.5	7.30
HYS-400P	H	45.1	6.03	10.6	79.5	7.30

Thickening Time, Hours: Min

Mixture	Cement Class	8000 ft *125°F	10,000 ft *144°F	12,000 ft *172°F	14,000 ft *208°F
HYS-400A	A	4:45	3:20	2:15	1:20
HYS-400P	A	5:00 +	5:00 +	2:02	1:15
HYS-400P	H	5:00 +	5:00 +	5:00 +	1:21

*Circulating bottom hole temperature

Compressive Strength, psi in 24 Hours

Mixture	Cement Class	100°F	140°F	200°F	260°F
HYS-400A	A		450	2200	877
HYS-400P	A	50	200	455	520
HYS-400P	H	34	206	313	445

HYSWELLS

Well and Location	Type	Status	Perforations	Casing Size	Depth	No. Sacks	REPT'D TOC	Meas. TOC	Date Drilled	API Number	TD
T-17-S R-28-E Section 25											
BP Amoco	Oil	Inactive	6300-6316	8 5/8	738	375		surface	8/20/60	30-015-01537	6392
Empire Abo Unit D 42				5 1/2	6383	320*		1550			
660 FSL & 1980 FWL (N)				*5 1/2 cm't'd w/ 170 sx HYS & 150 sx 4% Incor				55% Eff.			
T-17-S R-28-E Section 26											
BP Amoco	Oil	Active	6152-6172	8 5/8	720	350		surface	7/22/60	30-015-01554	6326
Empire Abo Unit #39				5 1/2	6326	320*		1493			
1650 FSL & 1980 FEL (J)				*5 1/2 cm't'd w/ 170 sx HYS & 150 sx 4% Incor				55% Eff.			
BP Amoco	Oil	P&A	6198-6224	8 5/8	720	375		surface	7/8/60	30-015-01553	6310
Empire Abo Unit C #38				5 1/2	6310	340*		1014			
1650 FSL & 1980 FWL (K)				*5 1/2 cm't'd w/ 190 sx HYS & 150 sx 4% Incor				55% Eff.			
BP Amoco	Oil	Active	6060-6080	8 5/8	738	350		surface	8/27/60	30-015-01557	6280
Empire Unit #37				5 1/2	6226	320*		1393			
1650 FSL & 990 FWL (L)				*5 1/2 cm't'd w/ 170 sx HYS & 150 sx 4% Incor				55% Eff.			
BP Amoco	Oil	Active	6080-6100	8 5/8	739	300		surface	6/3/60	30-015-01551	6220
Empire Abo Unit D #37				5 1/2	6218	275*	Circ.	2428	Circulate to surface after squeeze job		
550 FSL & 820 FWL (M)				*5 1/2 cm't'd w/ 125 sx HYS & 150 sx 4% Incor				55% Eff.			
BP Amoco	Oil	Inactive	6158-6170	8 5/8	739	300	Circ.		6/18/60	30-015-01550	6435
Empire Abo Unit D # 38				5 1/2	6435	312*	688				
330 FSL & 2310 FWL (N)				*5 1/2 cm't'd w/ 162 sx HYS & 150 sx 4% Incor							
BP Amoco	Oil	Active	6208-6222	8 5/8	732	300	Circ.		7/1/60	30-015-01552	6332
Empire Abo Unit #39				5 1/2	6332	320*	1535				
330 FSL & 1980 FEL (O)				*5 1/2 cm't'd w/ 170 sx HYS & 150 sx 4% Incor							
BP Amoco	Oil	Active	6199-6219	8 5/8	714	375		surface	7/25/60	30-015-01555	6330
Empire Abo Unit #40				5 1/2	6330	320*		1497			
660 FSL & 660 FEL (P)				*5 1/2 cm't'd w/ 170 sx HYS & 150 sx 4% Incor				55% Eff.			
T-17-S R-28-E Section 35											
BP Amoco	Oil	Inactive	6297-6315	8 5/8	750	300	Circ.		6/19/60	30-015-01737	6405
Empire Abo Unit E #40				5 1/2	6405	320*	1467				
660 FNL & 660 FEL (A)				*5 1/2 cm't'd w/ 170 sx HYS & 150 sx 4% Incor							

HYSWELLS

Well and Location	Type	Status	Perforations	Casing Size	Depth	No. Sacks	REPT'D TOC	Meas. TOC	Date Drilled	API Number	TD
BP Amoco	Oil	Inactive	6210-6324	8 5/8	750	275	Circ.		6/1/60	30-015-01735	6350
Empire Abo Unit E #39				5 1/2	6350	275*		1939'			
660 FNL & 1980 FEL (B)				*5 1/2 cm'd w/ 125 sx HYS & 150 sx 4% Incor				64% Eff.			
BP Amoco	Oil	Inactive	6246-6254	8 5/8	720	250	Circ.		5/15/60	30-015-01733	6404
Empire Abo Unit F #38				5 1/2	6404	275*	64				
1650 FNL & 1650 FWL (F)				*5 1/2 cm'd w/ 125 sx HYS & 150 sx 4% Incor							
BP Amoco	Oil	Inactive	6200-6210	8 5/8	708	350		surface	7/13/60	30-015-01738	6350
Empire Abo Unit F #39				5 1/2	6350	350*		822			
11650 FNL & 2310 FEL (G)				*5 1/2 cm'd w/ 200 sx HYS & 150 sx 4% Incor				55% Eff.			
BP Amoco	Oil	Inactive	6274-6284	8 5/8	857	375		surface	9/6/61	30-015-01740	6421
Empire Abo Unit F #40				5 1/2	6421	340*		1125			
1650 FNL & 990 FEL (H)				*5 1/2 cm'd w/ 190 sx HYS & 150 sx 4% Incor				55% Eff.			
BP Amoco	Oil	Inactive	6243-6308	8 5/8	757	350		surface	8/23/61	30-015-01739	6378
Empire Abo Unit G #38				5 1/2	6378	320*		1545			
2310 FSL& 1650 FWL (K)				*5 1/2 cm'd w/ 170 sx HYS & 150 sx 4% Incor				55% Eff.			
BP Amoco	Oil	Inactive	6226-6238	8 5/8	720	300		surface	6/25/60	30-015-01734	6351
Empire Abo Unit G #37				5 1/2	6351	320*	1935				
2310 FSL & 330 FWL (L)				*5 1/2 cm'd w/ 170 sx HYS & 150 sx 4% Incor							
T-17-S, R-28-E, Section 36											
BP Amoco	Oil	Inactive	6238-6252	8 5/8	748	350		surface	10/7/61	30-015-05760	6400
Empire Abo Unit E #41				5 1/2	6400	320*		1567			
330 FNL & 330 FWL (D)				*5 1/2 cm'd w/ 170 sx HYS & 150 sx 4% Incor				55% Eff.			
RECOMMENDATION:											
No recommended action at this time because the tops appear sufficient to protect the injection interval and any fresh water zones.											

Old wells

These are wells drilled in the 1920's and have no data available on them.

Well and Location	Type	Status	Perforations	Casing Size	Depth	No. Sacks	Meas. TOC	Calc. TOC	Date Drilled	API Number	TD
T-17-S R-28-E Section 35											
Welch State #1	P&A			Unk.		Unk.			9/9/26	30-015-01729	2710
2310 FNL & 250 FWL (E)									P&A 8/14/34		
T-18-S, R-28-E, Section 3											
Melrose Energy Artesia Unit #40	Oil	Inactive	2313-2345	10 1/2 8 1/4	370 520	Unk. Unk.			1/1/27	30-015-01799	2365
1070 FNL & 1570 FWL (C)				5 3/16	2260	Unk.					
Melrose Energy Artesia Unit #43	Oil	Inactive	2282-2326	Unk.	Unk.	Unk.			6/15/28	30-015-01790	2366
1980 FNL & 250 FWL (E)											
Melrose Energy Artesia Unit #45	Oil	Inactive	2390-2400	10 8 1/4	305 518	Unk. Unk.			1927	30-015-01775	2965
2390 FNL & 1570 FEL (F)											
Melrose Energy Artesia Unit #55	Oil	Inactive	2400-2420	Unk.	Unk.	Unk.			7/11/26	30-015-01798	2442
2390 FSI & 1570 FWL (K)											
Melrose Energy Artesia Unit #56	Oil	Inactive	2072-2442	7	2072	Unk.			3/28/26	30-015-01797	2442
1570 FSL & 1570 FWL (K)											
Melrose Energy Artesia Unit #57	Oil	P&A	2320-2432	8 1/4 7	682 619	Unk. Unk.			8/23/27	30-015-01795	2438
1570 FSI & 1070 FWL (L)											
Melrose Energy Artesia Unit #58	Oil	Active	2403-2418	10 8 1/4	324 635	Unk. Unk.			1/30/26	30-015-01791	2445
1070 FSL & 250 FWL (M)											

Old wells

Melrose Energy	Oil	Inactive	2403-2443	10	354	807	Ukn.			2/23/26	30-015-01792	2474
Artesia Unit # 59				8 1/4	807		Ukn.					
330 FSL & 330 FWL (M)				4 1/2	2362		200	1425		Temp Survey		
Flynn Welch	P&A			10	328		Ukn.			5/13/26	30-015-01794	2432
State 647 #42				8 1/4	723		Ukn.					
2390 FSL & 1070 FWL (L)												
Flynn Welch	P&A			10	374		Ukn.			5/7/26	30-015-01793	2428
State 647 #41				8 1/4	715		Ukn.					
1570 FSL & 250 FWL (L)												
T-18-S, R-28-E, Section 4												
Melrose Energy	Oil	Inactive	2040-2344	10	310		Ukn.			9/16/25	30-015-02580	2344
Lever State #1				8 1/4	600		Ukn.					
1070 FSL & 1070 FEL (P)				6 5/8	2040		Ukn.					
Melrose Energy	Oil	Inactive	2270-2402	8 1/4	520		Ukn.			11/29/25	30-015-02581	2402
Lever State #2				5 1/2	2310		25	2167				
250 FSI & 1070 FEL (P)												
Melrose Energy	Oil	Inactive	2353-2400	8 1/4	500		Ukn.			12/26/25	30-015-02582	2400
Lever State #3				6 5/8	2151		Ukn.					
250 FSI & 250 FEI (P)												
Melrose Energy	Oil	Inactive	2047-2393	8 1/4	515		Ukn.			12/4/25	30-015-02583	2417
Lever State #4				6 5/8	2148		Ukn.					
1070 FSL & 250 FEL (P)												
Fina	Oil	P&A	2414-2416	10	535		Ukn.			12/1/25	30-015-02573	2416
Lever State #5				8 1/4	850		Ukn.					
1070 FSL & 1570 FEL (O)				6 5/8	869		Ukn.					
				4 1/2	244		Ukn.					
Maloney-Chambers	P&A									12/15/25	30-015-02559	2500
State #1												
2390 FNL & 1070 FEL (H)												
Frontier Petroleum	P&A									12/23/25	30-015-02565	2408
McQuigg #5												
1570 FSL & 1570 FEL (J)												

Old wells

[illegible]

Wells Without Surf pipe

Well and Location	Type	Status	Locator	Comment	Recommended Action
Marbob Energy	Oil	P&A	Page 3	P&A	No action
N.G. Phillips #5					fresh water protected
1650 FSL & 1650 FEL (J)					
Marbob Energy	Oil	Active	Page 3	Cement to surf	No action
Walker State #2					fresh water protected
330 FSL & 1650 FEL (O)					
Melrose Energy	Oil	Inactive	Page 9	Calc TOC	No action
Artesia Unit #11				(@ 919 ft)	fresh water protected
360 FNL & 360 FW1 (D)					
Melrose Energy	Oil	Inactive	PAGE 17		No action
Artesia Unit #44		WTW			fresh water protected
2310 FNL & 990 FWL (E)					
Melrose Energy	Oil	Inactive	Page 17		Dig out well head
Artesia Unit #43					If surface is present
1980 FNL & 250 FWL (E)					fresh water protected
Melrose Energy	Oil	Inactive	Page 18		Dig out well head
Artesia Unit #56					If surface is present
1570 FSL & 1570 FWL (K)					fresh water protected
Melrose Energy	Oil	Inactive	Page 18		Dig out well head
Artesia Unit #55					If surface is present
2390 FSL & 1570 FW1 (K)					fresh water protected
Melrose Energy	Oil	P&A	Page 18		Well Plugged
Artesia Unit #61					fresh water protected
660 FSL & 2310 FEL (O)					

Wells Without Surf pipe

On wells with unknow surface casing the proposed procedure is as follows:

- 1) Dig up wellhead to determine if surface pipe is present/ if present fresh water is protected
- 2) If surface pipe is not present/ run CBL to determine cement tops on Production pipe
If cement is above injection zone fresh water is protected
If cement is below injection zone well will be squeezed cemented to protect fresh water

WELLS WITHOUT SUFFICIENT CEMENT IF 50 % EFF. FACTOR USED	
Well Name	Reference page # of 1/2 mile radius data
Larue, C.E. & Muncy B.M. Moore State #1 1650 FNL & 330 FEL (H)	page 6
Melrose Energy Artesia Unit # 7 480 FNL & 330 FWL (D)	page 15
Melrose Energy Artesia Unit #53 1650 FSI & 1650 FEL (J)	Page 18
Melrose Energy Artesia Unit # 33 330 FSL & 1631 FWL (N)	Page 15
Melrose Energy Artesia Unit #35 330 FNL & 1650 FWL (C)	Page 16
Melrose Energy Artesia Unit #37 990 FNL & 990 FEL (A)	Page 17
Melrose Energy Artesia Unit #54 1654 FSI & 2272 FWL (K)	Page 18

Plugged wells with issues

Well and Location	Status	Comment	Recommended Action
Maloney-Chambers State #1 2390 FNL & 1070 FEL (H)	Plugged	D&A No Plugging Report	No Action Required Well is nearly 1/2 mile from proposed injection well This well is an area where the reservoir is non productive Because of low perm Producers will be drilled between this wellbore and the proposed injection well