

WELL NAME AND NUMBER	SURFACE CASING				INTERMEDIATE CASING				PRODUCTION CASING				TOTAL DEPTH	INTERVAL	
	Casing Size	Depth Set	Sx Cmt	Top Cement	Casing Size	Depth Set	Sx Cmt	Top Cement	Hole Size	Csg Size	Depth Set	Sx Cmt			Top Cement
AMERADA HESS CORP. State "VB" #1 Y State "VB" #2	10-3/4" 8-5/8	255' 1538	200 1175	Circ Circ	7-5/8" --	1513' --	300 --	439' --	6-3/4" 7-7/8	5-1/2" 5-1/2	4252' 6850	438 900	1628' 2610	4690' 6850	4252-466' 5930-601'
ATLANTIC RICHFIELD															
State "B" 1576 #3	8-5/8	1550	700	Circ	--	--	--	--	7-7/8	4-1/2	6200	1332	900	6200	6069-609'
State "B" 1576 #7	8-5/8	1550	700	Circ	--	--	--	--	7-7/8	4-1/2	6200	1460	850	6200	6044-606'
State "B" 1576 #6	8-5/8	1557	700	Circ	--	--	--	--	7-7/8	4-1/2	6200	1592	1605	6200	6074-610'
State "B" 1576 #5	8-5/8	1590	530	Circ	--	--	--	--	7-7/8	4-1/2	6250	1320	1805	6250	6089-610'
State "B" 1576 #4	13	275	200	Circ	8-5/8	1540	775	Circ	8	5-1/2	4150	225	3039	4550	4150-455'
State "B" 1576 #3	13	281	200	Circ	8-5/8	1541	200	Circ	8	5-1/2	4150	230	2776	4591	4150-455'
State "B" 1576 #2	13	276	200	Circ	8-5/8	1544	200	Circ	8	5-1/2	4150	225	2776	4591	4150-455'
State "B" 1576 #1	13	290	200	Circ	9-5/8	1545	200	843	8-3/4	5-1/2	4140	225	2795	4527	4110-455'
State "C" DE #1	8-5/8	1656	550	Circ	--	--	--	--	7-7/8	5-1/2	4221	275	2475	4525	4100-455'
State "E" DE #1	8-5/8	1645	550	Circ	--	--	--	--	7-7/8	5-1/2	4258	275	2512	4665	4221-466'
State "E" DE #2	8-5/8	1643	550	Circ	--	--	--	--	7-7/8	5-1/2	4262	275	2516	4675	4258-467'
State "J" DE #1	8-5/8	1664	550	Circ	--	--	--	--	7-7/8	5-1/2	4262	275	2485	4684	4262-466'
State "L" DE #1	8-5/8	1656	550	Circ	--	--	--	--	7-7/8	5-1/2	4231	275	2476	4700	4231-470'
State "L" DE #2	8-5/8	1546	700	Circ	--	--	--	--	7-7/8	4-1/2	4222	275	2485	4695	4222-466'
State "B" 1578 #1	13	18	14	Circ	8-5/8	1583	225	Circ	7-7/8	5-1/2	6249	1535	2055	6250	6114-611'
State "B" 1578 #2	8-5/8	1655	150	1122	(100 sx @	4800	2170	Circ	7-7/8	5-1/2	4262	225	2833	4725	4262-472'
State "B" 1578 #3	13-3/8	1571	1350	Circ	9-5/8	1480	2170	Circ	8-3/4	7" Inner	4209	225	2780	4724	4209-472'
											19200	1440	Circ	8390	6082-613'
BETTIS, ROYLE AND STOVALL															
State "C" #1	8-5/8	1786	200	Circ	--	--	--	--	8-1/4	7	4378	100	3253	4705	4378-470'
State "C" #2	8-5/8	1814	200	Circ	--	--	--	--	8-1/4	7	4356	100	3231	4634	4356-466'
State "E" #1	8-5/8	1795	200	Circ	--	--	--	--	8-1/4	7	4328	100	3203	4659	4328-465'
State "F" #1	8-5/8	1805	200	Circ	7	3881	75	3304	6-3/4	5 1/2" Liner	4347	40	Circ	4656	4347-465'
State "F" #2	8-5/8	1807	200	Circ	--	--	--	--	8-1/4	7	4367	100	3242	4700	4367-470'
CHEVRON OIL CO.															
State 3-32 #1	10-3/4	821	650	Circ	--	--	--	--	8-3/4	7	4254	320	2622	4705	4254-470'
State 3-32 #2	13-3/8	275	400	Circ	9-5/8	1591	615	336	8-3/4	7	4203	146	3401	4651	4203-465'
State 3-32 #3	13-3/8	279	250	Circ	9-5/8	1567	615	62	8-3/4	7	4185	145	3057	4185	4200-463'
State 3-32 #4	13-3/8	301	250	Circ	9-5/8	1577	615	72	8-3/4	5 1/2" Liner	4178	300	Circ	4620	4178-472'
State 3-32 #5	13-3/8	30	3 yd	--	8-5/8	1645	1250	Circ	7-7/8	4-1/2	6240	870	2695	6240	6030-614'
State 3-32 #6	13-3/8	30	3 yd	--	8-5/8	1579	1250	Circ	7-7/8	4-1/2	6264	870	2500	6266	6070-616'
State 3-32 #7	13-3/8	28	3 yd	--	8-5/8	1598	1050	Circ	7-7/8	4-1/2	6247	870	2550	6250	6080-615'
State 3-32 #8	13-3/8	30	3 yd	--	8-5/8	1604	1050	Circ	7-7/8	4-1/2	6265	870	1750	6277	6056-610'

WELL NAME AND NUMBER	SURFACE CASING			INTERMEDIATE CASING			PRODUCTION CASING						
	Casing Size	Depth Set	Sx Cmt	Top Cement	Casing Size	Depth Set	Sx Cmt	Top Cement	Hole Size	Csg Size	Depth Set	Sx Cmt	Top Cement
CONTINENTAL OIL CO.													
State H-35 #1	10-3/4"	284'	250	--	7-5/8"	1522'	425	Circ	--	5-1/2"	4132'	425	1770'
State H-35 #2	10-3/4	286	225	--	7-5/8	1564	425	Circ	--	5-1/2	4130	425	1770
State H-35 #3	10-3/4	289	250	--	7-5/8	1561	425	Circ	6-3/4	5-1/2	4146	425	1775
State H-35 #5	10-3/4	286	225	--	7-5/8	1561	425	Circ	6-3/4	5-1/2	4149	425	1775
State H-35 #7	13-3/8	375	375	--	9-5/8	4950	300	4189	8-3/4	7	12413	1750	5750
State H-35 #8	8-5/8	1590	600	Circ	--	--	--	--	7-7/8	5-1/2	6750	750	2600
State H-35 #9	11-3/4	366	450	Circ	8-5/8	4940	600	3500	7-7/8	5-1/2	10094	450	5210
State H-35 #10	10-3/4	1596	730	Circ	--	--	--	--	9-7/8	4-1/2	6750	1725	2700
State H-35 #11	10-3/4	1520	795	Circ	--	--	--	--	2-7/8	4-1/2	6245	900	2500
State H-35 #12	7-5/8	1516	525	Circ	--	--	--	--	6-3/4	4-1/2	6245	900	2500
CROWN CENTRAL													
Shell State 1398 #2	8-5/8	320	200	Circ	--	--	--	--	7-7/8	5-1/2	4814	250	3127
EXXON													
New Mexico "J" State #1	12-1/2	230	200	Circ	8-5/8	1556	500	Circ	7-3/4	5-1/2	4298	275	2340
New Mexico "J" State #2	10-3/4	220	125	Circ	7-5/8	1691	400	Circ	6-3/4	5-1/2	4365	275	515
New Mexico "J" State #3	8-5/8	1689	850	Circ	None	Open Hole 1689'	--	--	7-7/8	5-1/2	8739	1625	Circ
New Mexico "J" State #4	8-5/8	1750	800	Circ	--	--	--	--	7-7/8	5-1/2	8730	1650	Circ
New Mexico "J" State #5	13-3/8	320	325	Circ	9-5/8; 10-3/4	3209	500	1359	7-7/8	4-1/2	8761	1925	Circ
New Mexico "Q" State #2	13-3/8	311	325	Circ	9-5/8	3193	500	1343	8-3/4	4-1/2	8858	1600	2400
New Mexico "BO" State #3	13-3/8	322	325	Circ	8-5/8	3203	500	903	7-13/16	4-1/2	9050	1100	3550
New Mexico "BO" State #4	13-3/8	313	325	Circ	8-5/8	3388	600	628	7-7/8	4-1/2	9500	1300	2831
New Mexico "BO" State #5	13-3/8	310	325	Circ	8-5/8	3390	600	630	7-7/8	4-1/2	9070	1150	3159
New Mexico "BO" State #6	13-3/8	319	325	Circ	8-5/8	3403	650	413	7-5/8	4-1/2	9024	1150	3113
New Mexico "BO" State #7	13-3/8	302	325	Circ	8-5/8	3403	650	2200	7-7/8	4-1/2	8996	1150	2100
New Mexico "BO" State #8	13-3/8	309	325	Circ	8-5/8	3398	650	1800	7-7/8	4-1/2	9025	1150	2050
New Mexico "BP" State #1	13-3/8	311	325	Circ	8-5/8	3422	550	2300	7-7/8	4-1/2	9070	1300	2388
New Mexico "BP" State #2	13-3/8	322	325	Circ	8-5/8	3398	650	1800	7-7/8	4-1/2	9000	1150	3089

54' 5310
 Q 5310
 46-5 3110

WELL NAME AND NUMBER	SURFACE CASING				INTERMEDIATE CASING				PRODUCTION CASING				TOTAL DEPTH	INTERVAL
	Casing Size	Depth	Sx Cmt	Top Cement	Casing Size	Depth	Sx Cmt	Top Cement	Hole Size	Csg Size	Depth	Sx Cmt	Top Cement	
State "AN" #1	13-3/8"	338'	350	Circ	8-5/8"	3299'	1400	520'	7-7/8"	5-1/2"	8914'	700	3300'	8945'
State "AN" #2	13-3/8"	334	325	Circ	8-5/8"	3298	1400	1600	7-7/8"	5-1/2"	8898'	700	3300	8900
State "AN" #3	13-3/8"	334	350	Circ	8-5/8"	3300	1600	1650	7-7/8"	5-1/2"	8985	750	3300	8985
State "AN" #4	13-3/8"	317	285	Circ	8-5/8"	3334	1900	Circ	7-7/8"	5-1/2"	9001	650	Circ	9001
State "AN" #5	13-3/8"	317	310	Circ	8-5/8"	3325	1900	Circ	7-7/8"	5-1/2"	9098	650	Circ	9100
State "AN" #6	13-3/8"	337	345	Circ	8-5/8"	3316	1650	Circ	7-7/8"	5-1/2"	9025	827	3600	9025
State "AN" #7	13-3/8"	335	345	Circ	8-5/8"	1375	1280	Circ	7-7/8"	5-1/2"	9022	800	3150	9025
State "AN" #8	13-3/8"	340	350	Circ	9-5/8"	3458	P & A @ 3340'	Circ	8-3/4"	4 1/2 & 2-7/8	11832	P & A @ 5150'	11840	8750-8821
State "AN" #9	13-3/8" P&A	344	350	Circ	8-5/8"	4857	P & A @ 815'	7-7/8"	7-7/8"	5-1/2"	11792	P & A @ 5990'	11800	P & A
State "AN" #10	13-3/8"	344	350	Circ	8-5/8"	4850	1471	P&A@206'	7-7/8"	5-1/2"	9012	575	P&A@2123'	4850
State "AN" #11	12-1/2"	402	275	Circ	9-5/8"	1545	250	644	7-7/8"	5-1/2"	4849	1000	850	4657-4727
State "BA" #1	13-3/8"	252	170	Circ	9-5/8"	1539	250	Circ	8-1/4"	7	4100	200	1985	4760
State "BA" #2	13-3/8"	252	150	Circ	9-5/8"	1523	200	101	8-1/4"	7	4098	200	1982	4650
State "BA" #3	13-3/8"	268	200	Circ	9-5/8"	1526	300	Circ	8-1/4"	7	4100	300	927	4705
State "BA" #4	13-3/8"	268	200	Circ	9-5/8"	1526	300	Circ	8-1/4"	7	4094	300	927	4700
State "BA" #5	9-5/8"	1533	645	Circ	--				8-3/4"	2-7/8 (Dual)	6710	1185	1875	5951-6118
State "BA" #6	13-3/8"	421	404	Circ	9-5/8"	4835	2080	110	8-3/4"	7	12109	850	5675	6367-6644
State "BA" #7	9-5/8"	1517	700	89(Tag)	--				8-3/4"	2-7/8 (Dual)	6750	1667	1900	9902-10016
State "BA" #8	13-3/8"	399	350	Circ	9-5/8"	4837	3550	Circ	8-1/4"	7	10487	1480	2000	10121-10134
State "BA" #9	9-5/8"	1537	700	Circ	--				8-3/4"	2-7/8 (Dual)	6791	1015	2300	5996-6150
State "BA" #10	8-5/8"	1542	600	Circ	--				7-7/8"	5-1/2	6829	1576	1000	6424-6706
State "J" #1	16	172	150	Circ	10-3/4"	1535	300	390	8-1/4"	5-1/2	4109	300	1288	9021-9190
State "J" #2	8-5/8"	1615	800	Circ	--				7-7/8"	5-1/2	6800	650	2480	9948-10176
MARATHON														4606-4728
McCallister State #1	10-3/4"	560	250	Circ	7	4097	700	Circ	6-1/8"	4 1/2 Liner	4670	100	3904	6077-6186
McCallister State #2	10-3/4"	492	250	Circ	7	4100	700	Circ	6-1/4"	4 1/2 Liner	4787	80	Circ	6023-6118
McCallister State #3	9-5/8"	494	250	Circ	7	4096	700	Circ	6-1/4"	4 1/2 Liner	4732	80	Circ	4606-4728
McCallister State #4	9-5/8"	497	200	Circ	7	4099	700	Circ	6-1/4"	4 1/2 Liner	4780	90	Circ	4673-4747
McCallister State #5	16	360	675	Circ	10-3/4"	5000	3758	Circ	8-3/4"	5-1/2	12193	1335	3470	9848-9951
McCallister State #6	9-5/8"	364	300	Circ	--				7-5/8"	5-1/2	6799	3300	240	5968-6017
McCallister State #7	16	371	475	Circ	10-3/4"	5006	3080	Circ	8-3/4"	7	12110	1520	4405	9064-10122

Vop

WELL NAME AND NUMBER	SURFACE CASING				INTERMEDIATE CASING				PRODUCTION CASING				TOTAL DEPTH	INTERVAL
	Casing Size	Depth Set	Sx Cmt	Top Cement	Casing Size	Depth Set	Sx Cmt	Top Cement	Hole Size	Csg Size	Depth Set	Sx Cmt	Top Cement	
MARATHON (Cont'd)														
McCallister State #8	9-5/8"	360'	350	Circ	--	--	--	--	7-5/8"	5-1/2"	6798'	2500	245'	6800'
McCallister State #9	9-5/8	1555	650	Circ	--	--	--	--	7-5/8	5-1/2	6799	2420	700	6800
McCallister State #10	8-5/8	1549	1177	Circ	--	--	--	--	7-7/8	5-1/2	6798	2100	1880	6800
Staplin St. A/C-1 #1	9-5/8	505	250	Circ	7	4102	700	Circ	6-1/4	4 1/2 Liner	4758	110	Circ	4762
Staplin St. A/C-1 #2	9-5/8 P&A	497	175	Circ	7	4082	P&A @ 650'	Circ	6-1/8	4 1/2 Liner	4710	P & A @ 3900'	Circ	4707
Staplin St. A/C-1 #3	7	1503	650	Circ	--	--	--	--	6-1/4	4-1/2	6148	980	Circ	6150
Staplin St. A/C-1 #4	7	1503	675	Circ	--	--	--	--	6-1/4	4-1/2	6148	900	Circ	6150
Staplin St. A/C-1 #5	8-5/8	543	370	Circ	--	--	--	--	7-7/8	5-1/2	4739	1500	Circ	4750
Warm State A/C-1 #1	9-5/8	506	403	Circ	--	--	--	--	8-1/4	7	4100	800	Circ	4664
Warm State A/C-1 #2	9-5/8	517	203	Circ	--	--	--	--	8-3/4	7	4098	700	Circ	4750
Warm State A/C-1 #3	13-3/8	356	375	Circ	9-5/8	5002	2650	1100	8-3/4	2-7/8	10247	1400	2965	10301
Warm State A/C-1 #4	8-5/8	1503	1130	Circ	--	--	--	--	6-3/4	(Triple)	6250	1600	1685	6250
Warm State A/C-1 #5	7	1503	650	Circ	--	--	--	--	6-1/4	4-1/2	6245	1000	190	6250
Warm State A/C-2 #1	10-3/4	497	225	Circ	--	--	--	--	8-3/4	7	4098	700	Circ	4675
Warm State A/C-2 #2	9-5/8	497	250	Circ	--	--	--	--	8-3/4	7	4099	700	Circ	4675
Warm State A/C-2 #3	9-5/8	498	200	Circ	--	--	--	--	8-1/4	5-1/2	4105	800	Circ	4650
Warm State A/C-2 #4	9-5/8	500	220	Circ	--	--	--	--	8-1/4	5-1/2	4085	800	Circ	4650
Warm State A/C-2 #5	10-3/4	504	200	Circ	5-1/2	4096	600	1316	6	4 Liner	4695	100	4294	4695
Warm State A/C-2 #6	10-3/4	495	200	Circ	--	--	--	--	8-1/8	5 1/2 P&A	4097	400	P&A @ 700	4690
Warm State A/C-2 #7	10-3/4	503	200	Circ	--	--	--	--	8-3/4	5-1/2	4395	400	2657	4683
Warm State A/C-2 #8	13-3/8	357	350	Circ	9-5/8	3199	1140	Circ	8-3/4	5-1/2	8866	850	3770	8867
Warm State A/C-2 #9	13-3/8	356	350	Circ	9-5/8	3159	1400	Circ	8-1/4	5-1/2	8769	850	2915	8771
Warm State A/C-2 #10	13-3/8	371	315	Circ	9-5/8	3307	1540	Circ	7-7/8	5-1/2	8868	560	6155	8870
Warm State A/C-2 #11	13-3/8	365	350	Circ	8-5/8	3400	1500	Circ	7-7/8	5-1/2	8797	1255	745	8799
Warm State A/C-2 #12	7	1503	650	Circ	--	--	--	--	6-1/4	4-1/2	6250	1000	1540	6250
Warm State A/C-2 #13	7	1514	700	Circ	--	--	--	--	6-1/4	4-1/2	6286	1000	245	6287
Warm State A/C-2 #14	8-5/8	1502	1000	Circ	--	--	--	--	7-7/8	5-1/2	6248	1280	Circ	6250
Warm State A/C-2 #15	7	1475	650	Circ	--	--	--	--	6-1/4	4-1/2	6283	1150	Circ	6285
Warm State A/C-2 #16	8-5/8	1498	915	Circ	--	--	--	--	7-7/8	5-1/2	4816	1700	Circ	4825
Warm State A/C-2 #17	8-5/8	1499	700	Circ	--	--	--	--	7-7/8	5-1/2	4720	800	1500	4720

43 44

S-11, NAME AND NUMBER	SURFACE CASTING				INTERMEDIATE CASTING				PRODUCTION CASTING				
	Casting Size	Depth	Fix Out	Top Comment	Casting Size	Depth	Fix Out	Top Comment	Core Size	Depth	Fix Out	Top Comment	
2011 OLD CORR.													
Bridges State #4	10-3/4"	846"	175	Circ	7"	4270"	281	2220"	6-1/8"	5" Liner	6877"	390	Circ
Bridges State #11	10-3/4	820	210	Circ	7	4150	210	2615	6-1/8	4 1/2 Liner	6800	475	Circ
Bridges State #13	10-3/4	827	210	Circ	7	4200	210	2664	6-1/4	5 Liner	6800	300	Circ
Bridges State #14	10-3/4	803	250	Circ	7	4198	225	2552	6-1/4	5 Liner	4803	100	Circ
Bridges State #15	10-3/4	818	225	Circ	--	--	--	--	8-3/4	7	4125	220	2525
Bridges State #16	10-3/4	836	220	Circ	--	--	--	--	8-3/4	7	4195	210	2659
Bridges State #17	10-3/4	825	225	Circ	--	--	--	--	8-3/4	7	4200	210	2664
Bridges State #21	10-3/4	828	220	Circ	--	--	--	--	8-3/4	7	4278	220	2670
Bridges State #25	10-3/4	828	220	Circ	--	--	--	--	8-3/4	7	4200	210	2665
Bridges State #27	10-3/4	831	220	Circ	7	4220	210	2684	6-1/8	4 1/2 Liner	4019-4734	Cmt/80 sx.	
Bridges State #30 (WTW)	10-3/4	820	300	Circ	7	4250	210		6-1/4	5 Liner	7000	275	Circ
Bridges State #32	10-3/4	815	257	Circ	7	4210	217	2625	6-1/4	4 1/2 Liner	6800	400	Circ
Bridges State #33	10-3/4	821	250	Circ	7	4200	210	2665	6-1/4	5 Liner	4780	250	Circ
Bridges State #36	10-3/4	815	250	Circ	7	4241	210	2705	6-1/8	5 Liner	6900	425	Circ
Bridges State #38	10-3/4	825	240	Circ	7	4230	210	2694	6-1/4	4 1/2 Liner	6795	400	Circ
Bridges State #97	8-5/8	1567	850	Circ	--	--	--	--	7-7/8	5	6750	1575	2640
Bridges State #99	8-5/8	1572	610	Circ	--	--	--	--	8-3/4	7	6750	2432	Circ
Bridges State #102	8-5/8	1565	800	Circ	--	--	--	--	7-7/8	4-1/2	6200	2380	Circ
Bridges State #103	8-5/8	1514	900	Circ	--	--	--	--	7-7/8	4-1/2	6200	3255	Circ
Bridges State #105 (WTW)	8-5/8	1516	900	Circ	--	--	--	--	7-7/8	4-1/2	6150	1865	Circ
Bridges State #106	8-5/8	1512	850	Circ	--	--	--	--	7-7/8	4-1/2	6147	2765	Circ
Bridges State #108	13-3/8	365	300	Circ	9-5/8	5000	2600	Circ	8-3/4	7 Liner	10300	1250	Circ
Bridges State #110	8-5/8	1592	900	Circ	--	--	--	--	7-7/8	5-1/2	6200	1500	Circ
Bridges State #111	9-5/8	1585	900	Circ	--	--	--	--	8-3/4	7	6190	1800	Circ
Bridges State #115	8-5/8	1608	975	Circ	--	--	--	--	7-7/8	5-1/2	6242	1415	Circ
Bridges State #116	8-5/8	415	400	Circ	--	--	--	--	7-7/8	5-1/2	4850	1600	Circ
Bridges State #117	9-5/8	349	400	Circ	--	--	--	--	8-3/4	7	4850	1600	Circ
Bridges State #178	10-3/4	405	450	Circ	--	--	--	--	8-3/4	7	4850	1600	500
Bridges State #180	9-5/8	367	400	Circ	--	--	--	--	8-3/4	7	4850	1600	550
North Vacuum Abo Unit #95	13-3/8	358	350	Circ	--	--	--	--	8-3/4	7	13816	2750	Circ
North Vacuum Abo Unit #96 (WTW)	13-3/8	365	350	Circ	9-5/8	4400	2400	Circ	8-3/4	7-5/8	11515	1150	Circ

WELL NAME AND NUMBER	SURFACE CASING				INTERMEDIATE CASING				PRODUCTION CASING				TOTAL DEPTH
	Casing Size	Depth Set	Sx Cmt	Top Cement	Casing Size	Depth Set	Sx Cmt	Top Cement	Hole Size	Csg Size	Depth Set	Sx Cmt	Top Cement
MOBIL OIL CORP. (Cont'd)													
North Vacuum Abo Unit #98	13-3/8"	362'	350	Circ	10-3/4"	4400'	1732	Circ	9-5/8"	4-1/2"	10217'	1732	Circ
													11657'
North Vacuum Abo Unit #104	13-3/8"	365	300	Circ	9-5/8"	5000	5025	Circ	8-3/4"	2 strings of 2-7/8" 7 Liner	11657	1375	Circ
													10193 PB
North Vacuum Abo Unit #109 (WTM)	13-3/8"	365	350	Circ	9-5/8"	4890	2600	1900	8-3/4"	7 Liner	10366	1125	Circ
													9380 PB
North Vacuum Abo Unit #112	13-3/8"	380	350	Circ	9-5/8"	5000	2600	475	8-3/4"	7 Liner	10228	1000	Circ
													9971 PB
North Vacuum Abo Unit #137	8-5/8"	1655	1300	Circ	--	--	--	--	7-7/8"	5-1/2"	8700	3100	2620
													8600 PB
North Vacuum Abo Unit #211	11-3/4"	397	400	Circ	8-5/8"	5000	1550	Circ	7-7/8"	5 1/2 Liner	9386	750	Circ
													9354 PB
North Vacuum Abo Unit #212 (WTM)	13-3/8"	353	400	Circ	9-5/8"	5016	2403	590	8-3/4"	7 Liner	10200	1350	Circ
													8730 PB
North Vacuum Abo Unit #218 (WTM)	12-3/4"	253	400	Circ	8-5/8"	3030	1400	Circ	7-7/8"	5-1/2"	8600	2000	Circ
													8600
North Vacuum Abo Unit #222	12-3/4"	263	400	Circ	8-5/8"	3072	1765	Circ	7-7/8"	5-1/2"	8660	1600	Circ
													8660
State "H" #1	16	237	200	Circ	--	--	--	--	8-3/4"	7	4107	200	2645
													4662
State "H" #2	8-5/8"	1568	800	Circ	--	--	--	--	7-7/8"	4-1/2"	6890	2200	1640
													6800 PB
State "I" #1	10-3/4"	473	650	Circ	--	--	--	--	8-3/4"	7	4060	470	1505
													4626
State "I" #2	9-5/8"	1520	685	Circ	--	--	--	--	8-3/4"	7	6850	2295	5916
													6448 PB
State "K" #1	10-3/4"	796	176	Circ	--	--	--	--	8-3/4"	7	4090	179	2800
													4667
State "K" #2	9-5/8"	1600	331	Circ	--	--	--	--	8-3/4"	7	4210	226	4682
													4641
State "K" #3	10-3/4"	791	225	Circ	--	--	--	--	9	5-1/2"	4080	245	2540
													4682
State "K" #7	8-5/8"	1572	900	Circ	--	--	--	--	7-7/8"	4-1/2"	6298	1800	1680
													6251 PB
State "K" #8	8-5/8"	1514	900	Circ	--	--	--	--	7-7/8"	4-1/2"	6290	2085	6290
													6290
State "K" #9	8-5/8"	1545	900	Circ	--	--	--	--	7-7/8"	4-1/2"	6200	2675	6163
													6163 PB
State "CC" #1	16	360	360	Circ	10-3/4"	4967	2175	715	9-5/8"	2 @ 2-7/8"	12080	4460	Circ
													12080
State "DD" #1	13-3/8"	370	350	Circ	9-5/8"	5000	3575	Circ	8-3/4"	7	10553	1520	5660
													9390 PB

INT 841 9995 11468 944 955 10016 842 6017 839 848 847 847 847 838 851 851

WELL NAME AND NUMBER	SURFACE CASING				INTERMEDIATE CASING				PRODUCTION CASING				TOTAL DEPTH
	Casing Size	Depth Set	Sx Cmt	Top Cement	Casing Size	Depth Set	Sx Cmt	Top Cement	Hole Size	Csg Size	Depth Set	Sx Cmt	Top Cement
PHILLIPS PETROLEUM CO. (Cont'd)													
Vacuum Abo Unit #6-59	13-3/8"	332'	350	Circ	8-5/8"	3250'	400	2000'	7-7/8"	5-1/2"	8982'	545	3600'
Vacuum Abo Unit #6-63	13-3/8"	318	350	Circ	8-5/8"	3240	400	2000	7-7/8"	5-1/2	8999	555	2300
Vacuum Abo Unit #14-1	13-3/8"	316	290	Circ	8-5/8"	3200	200	2000	7-7/8"	4-1/2	9006	690	2500
Vacuum Abo Unit #14-2	13-3/8"	300	190	Circ	8-5/8"	3451	200	2200	7-7/8"	4-1/2	9062	778	2000
Vacuum Abo Unit #14-3	13-3/8"	313	305	Circ	8-5/8"	3233	250	1670	7-7/8"	4-1/2	9107	450	5600
Vacuum Abo Unit #15-1	13-3/8"	308	310	Circ	8-5/8"	3254	1100	145	7-7/8"	5-1/2	9049	925	1293
Vacuum Abo Unit #15-2	13-3/8"	314	310	Circ	8-5/8"	3275	1100	Circ	7-7/8"	5-1/2	8969	775	2860
Vacuum Abo Unit #15-4	13-3/8"	318	320	Circ	8-5/8"	3274	1200	Circ	7-7/8"	5-1/2	9010	775	3188
SHELL OIL CO.													
State "A" #1	8-5/8"	1538	600	Circ	--	--	--	--	7-7/8"	5-1/2	4270	275	2414
State "A" #2	8-5/8"	1533	600	Circ	--	--	--	--	7-7/8"	5-1/2	4276	275	2420
State "A" #3	8-5/8"	1536	600	Circ	--	--	--	--	7-7/8"	5-1/2	4270	275	2414
State "A" #4	8-5/8"	1558	600	Circ	--	--	--	--	7-7/8"	5-1/2	4299	275	2443
State "A" #5	13-3/8"	293	300	Circ	9-5/8"	2982	1250	--	7-7/8"	5-1/2	10300	1800	Circ
State "A" #6	8-5/8"	1557	600	Circ	--	--	--	--	7-7/8"	5-1/2	6300	750	1838
State "A" #7	8-5/8"	1665	800	Circ	--	--	--	--	6-5/8"	4-1/2	6302	700	2
State "A" #8	8-5/8"	1575	800	Circ	--	--	--	--	6-5/8"	4-1/2	6302	700	2342
State "B" #1	8-5/8"	1575	600	Circ	--	--	--	--	7-3/4"	5-1/2	4300	275	2444
State "B" #2	8-5/8"	1629	600	Circ	--	--	--	--	7-7/8"	5-1/2	7097	275	7100
State "B" #3	8-5/8"	1650	800	Circ	--	--	--	--	6-5/8"	4-1/2	6200	700	Circ
State "B" #4	8-5/8"	1611	800	Circ	--	--	--	--	6-5/8"	4-1/2	4280	275	2424
State "D" #1	8-5/8"	1493	600	Circ	--	--	--	--	7-7/8"	5-1/2	6899	450	3861
State "D" #2	8-5/8"	1562	700	Circ	--	--	--	--	7-7/8"	5-1/2	4284	275	2428
State "E" #1	8-5/8"	1483	600	Circ	--	--	--	--	7-7/8"	5-1/2	9505	1800	Circ
State "E" #2	13-3/8"	332	300	Circ	9-5/8"	3285	475	--	8-3/4"	7	4315	275	2459
State "F" #1	8-5/8"	1575	600	Circ	--	--	--	--	7-7/8"	5-1/2	4320	275	2464
State "F" #2	8-5/8"	1584	600	Circ	--	--	--	--	6-5/8"	4-1/2	6219	700	Circ
State "F" #3	8-5/8"	1657	800	Circ	--	--	--	--	6-5/8"	4-1/2	6219	700	Circ
State "F" #4	8-5/8"	1593	800	Circ	--	--	--	--	6-5/8"	4-1/2	4315	275	2459
State "H" #1	8-5/8"	1596	600	Circ	--	--	--	--	6-5/8"	4-1/2	6250	750	Circ
State "H" #2	8-5/8"	1613	800	Circ	--	--	--	--	7-7/8"	5-1/2	4726	200	3376
State "I" #2	8-5/8"	307	25	Circ	--	--	--	--	7-7/8"	5-1/2	8950	NA	935
State "K" #1	8-5/8"	1700	800	Circ	--	--	--	--	7-7/8"	5-1/2	8960	1180	1190
State "K" #3	8-5/8"	1710	1100	Circ	--	--	--	--	6-5/8"	4-1/2	4790	400	2434
State "VAA" #5	7-5/8"	325	250	Circ	--	--	--	--	7-7/8"	5-1/2	4290	275	1498
Swigart #1	8-5/8"	1571	600	Circ	--	--	--	--	7-7/8"	5-1/2	6898	800	6275 PB
Swigart #2	8-5/8"	1601	610	Circ	--	--	--	--	7-7/8"	5-1/2	6898	800	6275 PB

WELL NAME AND NUMBER	SURFACE CASING				INTERMEDIATE CASING				PRODUCTION CASING				TOTAL DEPTH	INTER	
	Casing Size	Depth Set	Sx Cmt	Top Cement	Casing Size	Depth Set	Sx Cmt	Top Cement	Hole Size	Csg Size	Depth Set	Sx Cmt			Top Cement
SOHIO PETROLEUM CO.															
Humble State #1	8-5/8"	1594'	100	Circ	--	--	--	--	8"	5-1/2"	4212'	200	2908'	4686'	4212-
Humble State #2	8-5/8	1585	125	Circ	--	--	--	--	8	7	4246	200	1312	4572 PB	4246-
SUN OIL CO.															
"B" Lee State #1	13-3/8	342	275	Circ	8-5/8	3370	1150	270	7-7/8	5-1/2	8859	650	4060	8859	8206-
"B" Lee State #3	13-3/8	328	275	Circ	8-5/8	3369	1150	200	7-7/8	5-1/2	8740	940	100	8696 PB	8054-
"B" Lee State #4	13-3/8	334	275	Circ	8-5/8	3400	1000	500	7-7/8	5-1/2	9000	820	3520	8965 PB	3348-
"B" Lee State #5	13-3/8	352	325	Circ	8-5/8	3416	1150	2100	7-7/8	5-1/2	9224	1000	250	8819 PB	3764-
"B" Lee State #6	8-5/8	1513	550	Circ	--	--	--	--	6-3/4	4-1/2	4787	550	Circ	4787	4573-
"B" Lee State #7	8-5/8	1649	550	Circ	--	--	--	--	6-3/4	4-1/2	4772	650	Circ	4772	4426-
TEXACO INC.															
Vacuum Grayburg SA Unit															
#2	7-5/8	1600	700	Circ	--	--	--	--	6-3/4	4-1/2	4705	300	1030	4705	4536-
#3	8-5/8	884	200	Circ	--	--	--	--	6-3/4	5-1/2	4234	300	Circ	4685	4234-
#4	8-5/8	353	300	Circ	--	--	--	--	7-7/8	5-1/2	4800	500	Circ	4800	4525-
#5 WIM	8-5/8	357	300	Circ	--	--	--	--	7-7/8	4-1/2	4800	650	Circ	4800	4387-
#10	8-5/8	803	200	Circ	--	--	--	--	6-3/4	5-1/2	4135	300	Circ	4710	4135-
#11	8-5/8	1610	250	Circ	--	--	--	--	--	5-1/2	4126	200	2600	4698	4126-
#12	8-5/8	860	300	Circ	--	--	--	--	7-7/8	5-1/2	4067	300	1780	4690	4067-
#13	8-5/8	863	300	Circ	--	--	--	--	6-3/4	5-1/2	4154	300	Circ	4680	4154-
#18	8-5/8	354	250	Circ	--	--	--	--	7-7/8	5-1/2	4800	500	Circ	4800	4311-
#19 WIM	8-5/8	354	300	Circ	--	--	--	--	7-7/8	4-1/2	4700	650	Circ	4735	4377-
#20	8-5/8	353	300	Circ	--	--	--	--	7-7/8	5-1/2	4800	500	Circ	4800	4700-
#25	7-5/8	1593	300	Circ	--	--	--	--	6-3/4	5-1/2	4092	200	930	4710	4403-
#26	8-5/8	1556	300	Circ	--	--	--	--	6-3/4	5-1/2	4090	200	930	4710	4092-
#27	8-5/8	1538	300	Circ	--	--	--	--	6-3/4	5-1/2	4064	200	900	4710	4064-
#28	8-5/8	1503	300	Circ	--	--	--	--	6-3/4	5-1/2	4085	200	Circ	4710	4085-
#31 WIM	8-5/8	360	210	Circ	--	--	--	--	--	4-1/2	4710	650	2610	4750	4376-
#32	8-5/8	353	300	Circ	--	--	--	--	7-7/8	5-1/2	4800	500	Circ	4800	4710-
#33 WIM	8-5/8	367	300	Circ	--	--	--	--	7-7/8	4-1/2	4800	500	Circ	4800	4333-
#34	8-5/8	352	210	Circ	--	--	--	--	7-7/8	5-1/2	4800	550	Circ	4800	4435-
#35 WIM	8-5/8	357	300	Circ	--	--	--	--	7-7/8	4-1/2	4800	650	Circ	4800	4339-
#38	8-5/8	1593	300	Circ	--	--	--	--	6-3/4	5-1/2	4079	200	920	4710	4079-
#39	8-5/8	1590	300	Circ	--	--	--	--	6-3/4	5-1/2	4090	200	930	4710	4090-
#40	8-5/8	1559	300	Circ	--	--	--	--	6-3/4	5-1/2	4076	200	920	4710	4076-
#41	9-5/8	1554	350	Circ	7	4100	250	1720	--	5 1/2 Liner	4445	175	--	4710	4445-

WELL NAME AND NUMBER	SURFACE CASING				INTERMEDIATE CASING				PRODUCTION CASING				TOTAL DEPTH
	Casing Size	Depth Set	Sx Cmt	Top Cement	Casing Size	Depth Set	Sx Cmt	Top Cement	Hole Size	Csg Size	Depth Set	Sx Cmt	Top Cement
TEXACO INC. (Cont'd)													
New Mexico "CC" State													
NCT-2 #1	11-3/4"	1670'	1000	Circ	--	--	--	--	7-7/8"	2-7/8"	6250'	1000	Circ
New Mexico "L" State #6	13-3/8	1510	1200	Circ	9-5/8	4800	1700	--	8-3/4	2-7/8	11318	1600	2490
													6252'
													12255
New Mexico "L" State #7	11-3/4	1510	1000	Circ	8-5/8	3350	350	1915	7-7/8	2-7/8	8750	1400	Circ
New Mexico "L" State #8-X (ASD)	11-3/4	1490	1000	Circ	8-5/8	3400	1850	Circ	7-5/8	2-7/8	6800	1400	Circ
													6750
													6800
New Mexico "L" State #9	8-5/8	1462	650	Circ	--	--	--	--	7-5/8	2-7/8	6849	900	3250
New Mexico "L" State #5	16 & 13-3/8	1504	1150	Circ	9-5/8	4788	1700	1973	8-3/4	2-7/8	10215	2250	Circ
													6850
													12215
New Mexico "M" State #7	13-3/8	1513	1100	Circ	9-5/8	4805	1700	Circ	8-3/4	2-7/8	10232	2087	1720
													12220
New Mexico "M" State #8	10-3/4	1485	1200	Circ	7-5/8	3400	800	1835	6-3/4	1 1/2 Liner	6248	600	Circ
New Mexico "M" State #6 P&A	11-3/4	1550	1050	Circ	8-5/8	3400	350	537	7-5/8	4 1/2 Liner	6800	950	3820
New Mexico "M" State #1	10-3/4	272	150	Circ	7-5/8	1574	200	175	6-3/4	5-1/2	4106	250	156
New Mexico "M" State #2	7-5/8	1572	300	Circ	--	--	--	--	6-3/4	5-1/2	4108	200	930
New Mexico "M" State #3	7-5/8	1613	450	Circ	--	--	--	--	6-3/4	5-1/2	4188	200	1030
New Mexico "M" State #4	7-5/8	1606	350	260	--	--	--	--	6-3/4	5-1/2	4190	200	2670
New Mexico "M" State #5	11-3/4	1550	1000	Circ	8-5/8	3320	350	1450	7-7/8	2-7/8	6863	1400	Circ
New Mexico "M" State #6	13-3/8	1576	1250	Circ	9-5/8	4800	1700	Circ	8-5/8	2-7/8	10300	1800	500
													10300
New Mexico "N" State #7	11-3/4	1648	1000	Circ	8-5/8	3393	500	Circ	7-5/8	2-7/8	6850	1400	Circ
New Mexico "N" State #8	13-3/8	374	450	Circ	9-5/8	4800	500	2100	8-5/8	2-7/8	10300	1800	Circ
													6850
													10300
New Mexico "O" State NCT-1													
#1	10-3/4	249	175	Circ	7-5/8	1561	200	179	6-3/4	5-1/2	4088	230	507
#2	10-3/4	258	200	Circ	7-5/8	1536	200	325	6-3/4	5-1/2	4098	250	208
#3	10-3/4	258	200	Circ	7-5/8	1538	200	327	6-3/4	5-1/2	4094	250	204
#4	10-3/4	254	200	Circ	7-5/8	1533	250	Circ	6-3/4	5-1/2	4099	200	987
#5	10-3/4	270	200	Circ	7-5/8	1549	250	Circ	6-3/4	5-1/2	4113	200	1001
#6	10-3/4	256	200	Circ	7-5/8	1539	250	Circ	6-3/4	5-1/2	4100	200	988
#7	7-5/8	1537	300	Circ	--	--	--	--	6-3/4	5-1/2	4099	200	987
#8	7-5/8	1540	300	Circ	--	--	--	--	6-3/4	5-1/2	4095	200	983
#9	7-5/8	1542	300	Circ	--	--	--	--	6-3/4	5-1/2	4070	200	908
#10	7-5/8	1548	280	Circ	--	--	--	--	6-3/4	5-1/2	4093	200	981
#11	13-3/8	350	350	Circ	10-3/4 & 9-5/8	4800	1600	Circ	8-3/4	4-1/2	12154	2300	2002
													12155
													9601-9

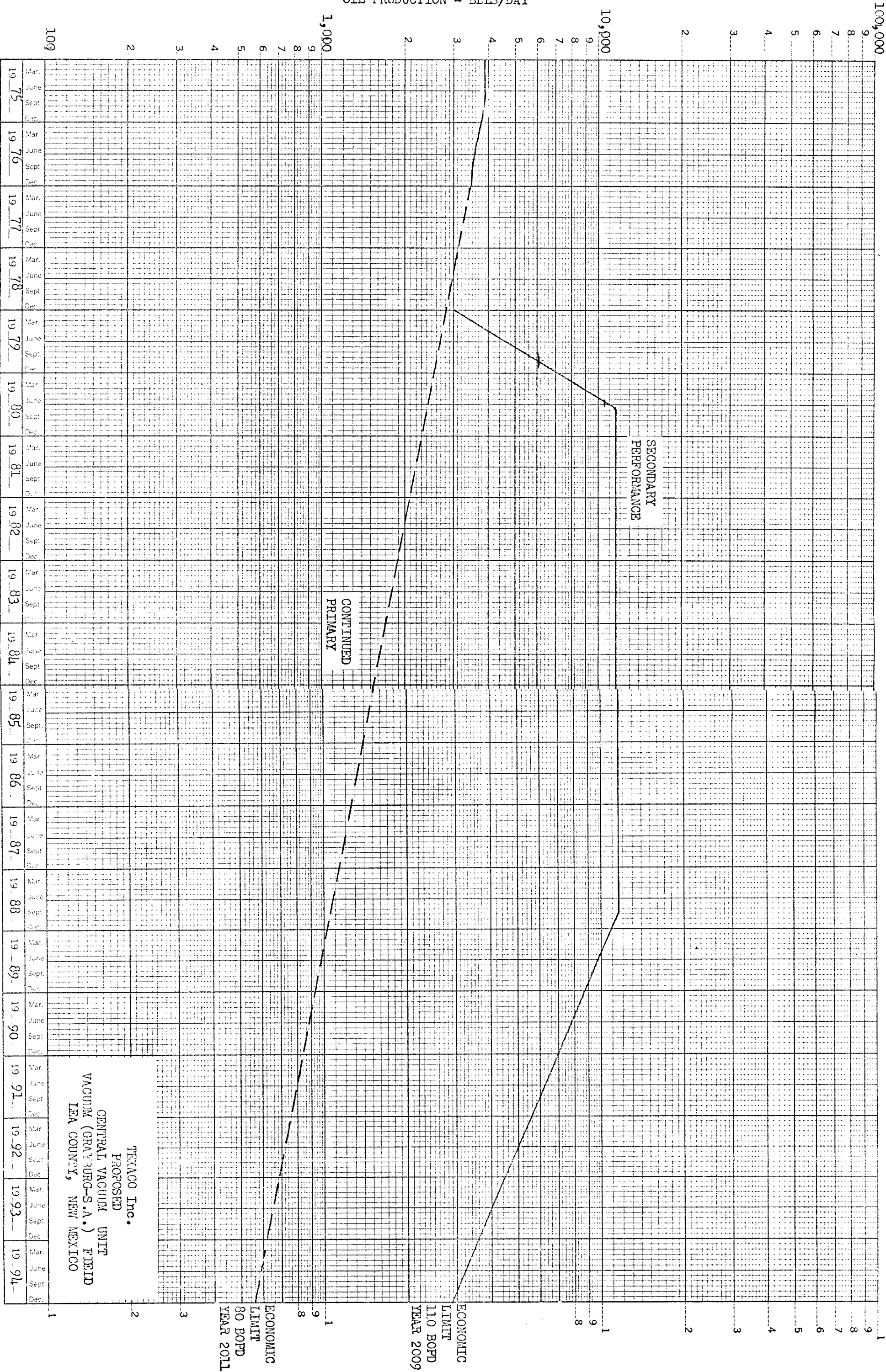
INTER

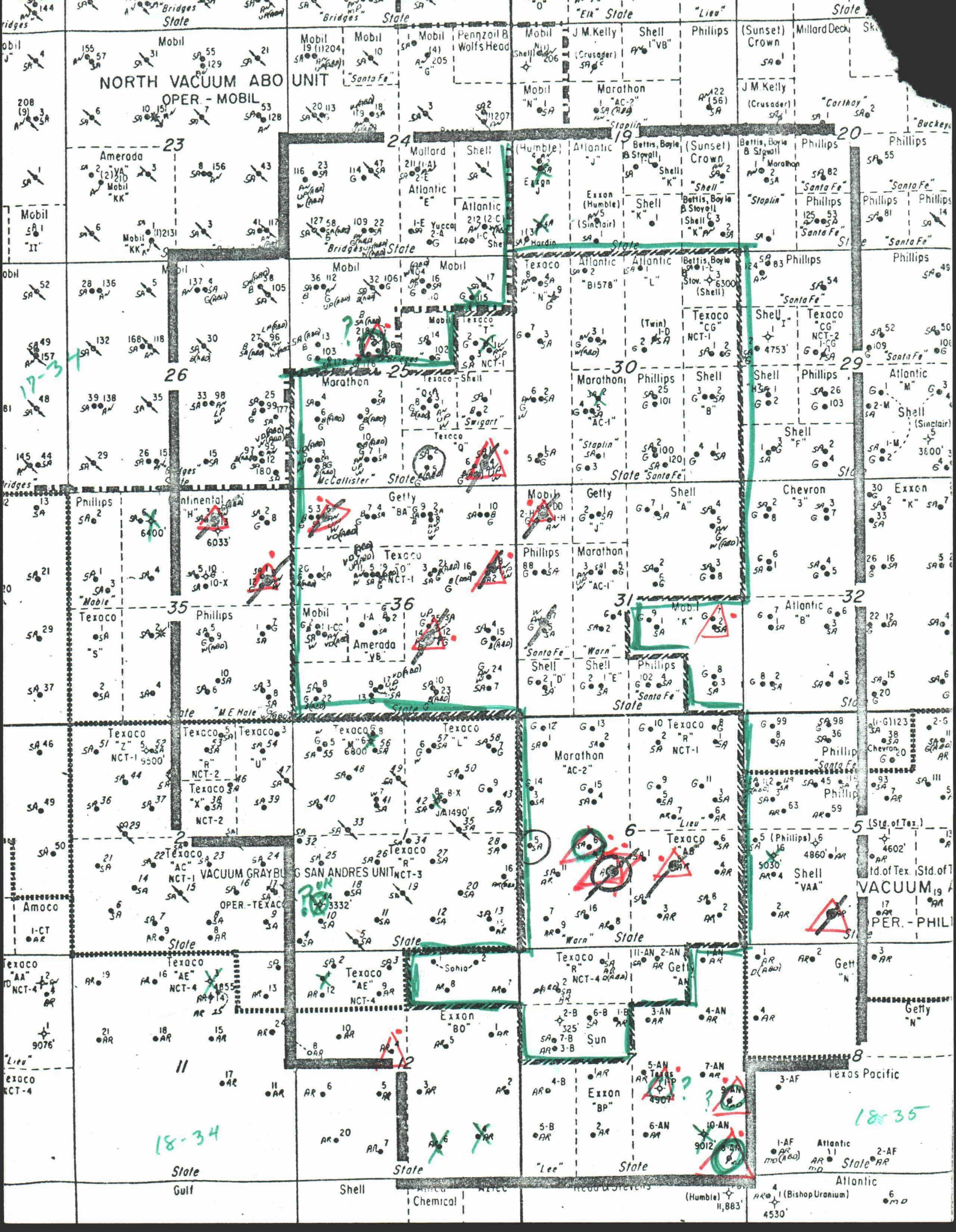
WELL NAME AND NUMBER	SURFACE CASING				INTERMEDIATE CASING				PRODUCTION CASING				TOTAL DEPTH	INT
	Casing Size	Depth	Sx Cmt	Top Cement	Casing Size	Depth	Sx Cmt	Top Cement	Hole Size	Csg Size	Depth	Sx Cmt	Top Cement	
TEXACO INC. (Cont'd)														
New Mexico "O" State NCT-1	8-5/8"	1599'	580	Circ	--	--	--	--	7-7/8"	2-7/8" (Dual)	6918'	900	1850'	6920'
#12														638
#13	11-3/4"	1550	900	Circ	8-5/8"	3374	500	Circ	7-7/8"	2-7/8" (Dual)	6852	1200	Circ	594
#14	13-3/8 & 16	1593	1200	Circ	9-5/8"	4825	1700	Circ	8-3/4"	3-1/2" (Dual)	12152	1025	4650	591
#15	11-3/4"	1550	1000	Circ	9-5/8"	3300	900	Circ	7-7/8"	2-7/8" (Dual)	6915	900	22	9954
#16	11-3/4"	1530	1000	Circ	8-5/8"	3300	750	Circ	7-7/8"	2-7/8" (Dual)	6600	1200	Circ	593
#17	13-3/8 & 16	1612	1200	Circ	9-5/8"	4750	1700	Circ	8-3/4"	3-1/2" (Dual)	12082	1325	1625	620
#18	13-3/8"	1555	1200	Circ	11-3/4"									9962
#19	11-3/4"	1549	1100	Circ	9-5/8"	4796	1700	Circ	8-3/4"	2-7/8" (Dual)	11508	2200	5817	602
#20	11-3/4"	1548	1000	Circ	--	--	--	--	7-7/8"	2-7/8" (Dual)	6849	1400	Circ	10130
#21	11-3/4"	1570	1100	Circ	8-5/8"	3302	1650	Circ	7-5/8"	2-7/8" (Dual)	6825	1800	2365	598
#22	11-3/4"	1549	1100	Circ	--	--	--	--	7-7/8"	2-7/8" (Dual)	6799	1400	Circ	596
#23	11-3/4"	1520	1000	Circ	8-5/8"	3300	600	Circ	7-7/8"	2-7/8" (Dual)	6800	1000	Circ	587
#24	13-3/8"	1534	1200	Circ	9-5/8"	4418	1700	Circ	8-5/8"	2-7/8" (Triple)	10300	2400	2800	668
#25	11-3/4"	1499	1300	Circ	--	--	--	--	7-7/8"	2-7/8" (Dual)	6799	1400	Circ	592
New Mexico "P" State #1	10-3/4"	230	200	Circ	8-5/8"	4825	1100	Circ	7-7/8"	4-1/2"	10200	1050	2410	913
New Mexico "Q" State #1	10-3/4"	275	200	Circ	7-5/8"	1638	200	Circ	6-3/4"	5-1/2"	4238	250	290	10042
New Mexico "Q" State #2	10-3/4"	280	200	Circ	7-5/8"	1545	200	Circ	6-3/4"	5-1/2"	4108	200	930	593
New Mexico "Q" State #3	7-5/8"	1598	300	Circ	--	--	--	--	--	5-1/2"	4108	200	950	409
New Mexico "Q" State #4	16 & 13-3/8"	385	400	Circ	9-5/8"	4799	1700	Circ	12-1/4"	2-7/8"	11468	2500	940	409
New Mexico "Q" State #5	11-3/4"	1550	1100	Circ	8-5/8"									914
New Mexico "Q" State #6	11-3/4"	1530	1300	Circ	8-5/8"	3305	500	Circ	7-7/8"	2-7/8" (Dual)	6850	1400	Circ	9951
New Mexico "Q" State #8	8-5/8"	1611	600	Circ	--	--	750	745	7-5/8"	2-7/8" (Dual)	6850	900	Circ	10069
New Mexico "R" State NCT-1	10-3/4"	249	200	Circ	--	--	--	--	7-7/8"	2-7/8" (Dual)	6846	900	Circ	ASD-
#1	10-3/4"	257	200	Circ	7-5/8"	1536	250	Circ	6-3/4"	5-1/2"	4112	200	1483	601
#2	7-5/8"	1533	300	Circ	--	--	250	Circ	6-3/4"	5-1/2"	4105	200	1702	4111
#3	8-5/8"	1515	300	Circ	--	--	--	--	6-3/4"	5-1/2"	4102	200	1670	410
#5											4070	200	4710	407

WELL NAME AND NUMBER	SURFACE CASING				INTERMEDIATE CASING				PRODUCTION CASING				TOTAL DEPTH
	Casing Size	Depth Set	Sx Cmt	Top Cement	Casing Size	Depth Set	Sx Cmt	Top Cement	Hole Size	Csg Size	Depth Set	Sx Cmt	Top Cement
TEXACO INC. (Cont'd)													
New Mexico "R" State NCT-1 (Cont'd)	11-3/4"	357'	350	Circ	8-5/8"	3080'	1600	Circ	7-5/8"	2-7/8"	8849'	1300	Circ
#6	11-3/4"	360	400	Circ	8-5/8"	3032	1650	Circ	7-5/8"	2-7/8"	8847	1300	Circ
#7	11-3/4"	1515	1000	Circ	--	--	--	--	7-7/8"	2-7/8"	6850	1400	Circ
#8	11-3/4"	1500	900	Circ	--	--	--	--	6-3/4"	2-7/8"	6320	800	440
#9	11-3/4"	1474	1000	Circ	--	--	--	--	6-3/4"	2-7/8"	6150	1000	Circ
#10	10-3/4"	1497	800	Circ	--	--	--	--	6-3/4"	2-7/8"	6247	1200	Circ
#11	10-3/4"	1550	800	Circ	--	--	--	--	6-3/8"	2-7/8"	6248	1000	Circ
New Mexico "R" State													
NCT-2 #5	8-5/8"	1605	550	Circ	--	--	--	--	7-7/8"	4-1/2"	3332	150	2575
New Mexico "R" State													
NCT-3 #14 P & A	13-3/8"	355	400	Circ	9-5/8"	4800	1700	Circ	8-5/8"	2-7/8"	10200	2000	Circ
New Mexico "R" State													
NCT-3 #15 ASD	11-3/4"	402	350	Circ	8-5/8"	3250	1650	Circ	7-7/8"	2-7/8"	8800	1600	Circ
New Mexico "R" State													
NCT-3 #16 ASD	10-3/4"	336	300	Circ	8-5/8"	3128	750	Circ	7-5/8"	2-7/8"	8836	1180	3140
New Mexico "R" State													
NCT-4 #1	11-3/4"	336	300	Circ	8-5/8"	3314	465	Circ	7-7/8"	2-7/8"	8793	1400	500
New Mexico "R" State													
NCT-4 #2	7-5/8"	1597	300	Circ	--	--	--	--	6-3/4"	5-1/2"	4102	200	940
New Mexico "R" State													
NCT-1 #1 P & A	8-5/8"	1638	1000	Circ	--	--	--	--	7-7/8"	2-7/8"	6799	800	1500
New Mexico "R" State													
NCT-1 #2	7-5/8"	1598	800	Circ	--	--	--	--	7-1/4"	4-1/2"	4740	300	1865
New Mexico "R" State													
NCT-1 #3	11-3/4"	1550	1000	Circ	--	--	--	--	7-7/8"	2-7/8"	6850	1400	Circ
New Mexico "R" State													
Texaco-Mobil State Cam #1	13-3/8"	350	400	Circ	9-5/8"	4800	1700	Circ	8-3/4"	2-7/8"	10298	1800	Circ
Texaco-Mobil State Cam #1													
Texaco-Shell State #1	13-3/8"	390	400	Circ	9-5/8"	4800	1700	Circ	8-5/8"	2-7/8"	10199	2400	Circ
Texaco-Shell State #1													
YUCCA SALVAGE CO.													
State "A" #2	8-5/8"	1665	700	Circ	--	--	--	--	7-7/8"	4-1/2"	6877	900	2690

INTER

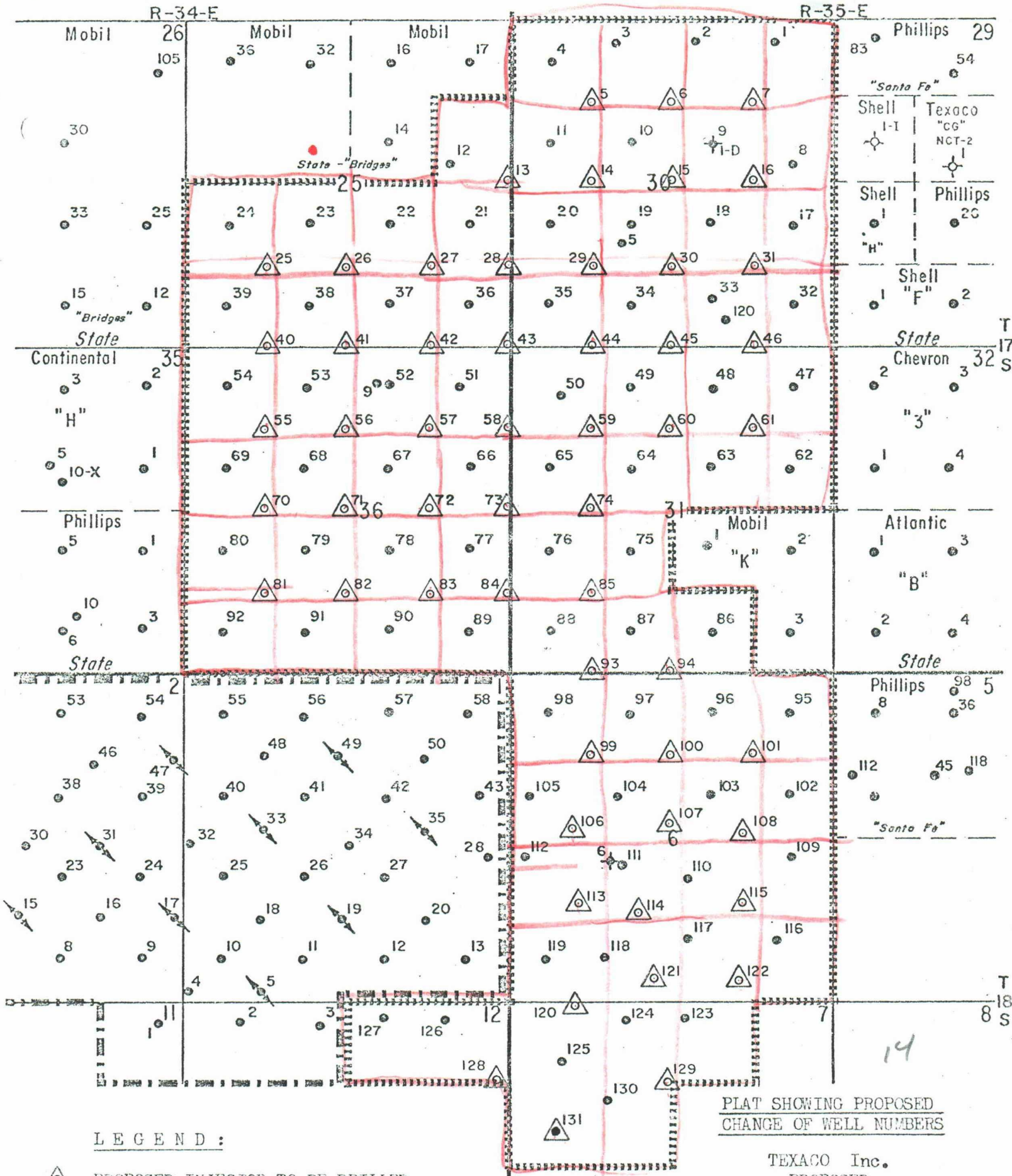
OIL PRODUCTION - BBLs/DAY





R-34-E

R-35-E



LEGEND :

△ PROPOSED INJECTOR TO BE DRILLED

△ CONVERT TO INJECTION WELL

----- PROPOSED CENTRAL VACUUM UNIT BOUNDARY

----- VACUUM GRAYBURG-SAN ANDRES UNIT BOUNDARY

PLAT SHOWING PROPOSED
CHANGE OF WELL NUMBERS

TEXACO Inc.

PROPOSED

CENTRAL VACUUM UNIT

VACUUM (GRAYBURG-SAN ANDRES) POOL

LEA COUNTY, NEW MEXICO

RJA/CRC

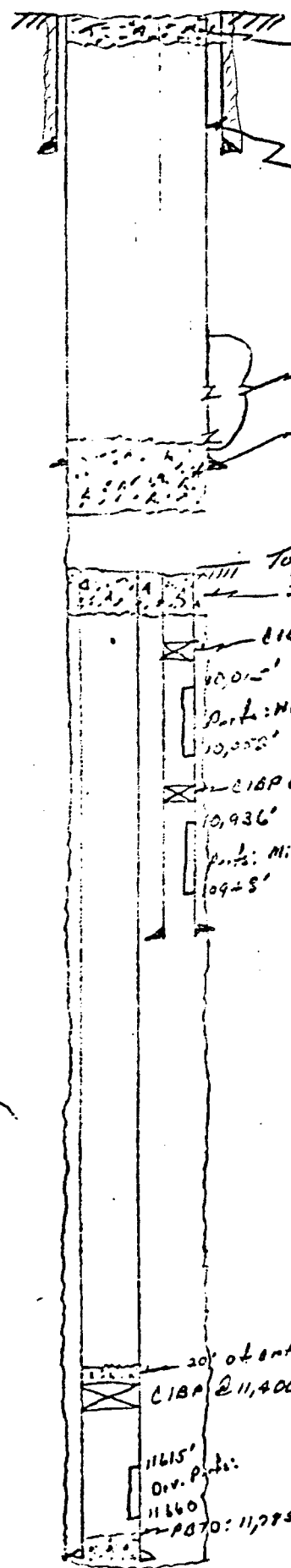
3-16-77

Exhibit "A"

"B. d" P&H W. 1/13

VACUUM DEGRADATION	GETTY OIL COMPANY	5/4/16
LEASE	WELL NO.	LOCATION
STATE "RM"	8	P-7-18-35

P 34



10 sr. ent. Plug @ surface.

$13\frac{3}{8}$ " casing set at 340' with 350 sx of Reg. Wt. cement
Hole size $12\frac{1}{4}$ "

2 Jts of $10\frac{3}{4}$ " Csg. on top of $9\frac{5}{8}$ " Csg.

See Attachment

50 sr. ent. Plug is out of $9\frac{5}{8}$ " Csg. from 3340' to 3500'

$9\frac{5}{8}$ " casing set at 3458' with 1992 sx of Reg. Wt. cement
Hole size $12\frac{1}{4}$ "

Top of ent. around $4\frac{1}{2}$ " $\pm$ $9\frac{5}{8}$ " Csg. @ 5150' by Temp. Survey

25 sr. ent. Plug is out of $4\frac{1}{2}$ " $\pm$ $9\frac{5}{8}$ " Casing @ 5150'

CIBP @ 9986'

10,015'
Part: Not Comp
10,055'

CIBP @ 10,800'

10,936'
Part: Miss.
10,945'

$2\frac{3}{8}$ " casing set at 11057' with 1799 sx of Reg. Wt. cement
Hole size $8\frac{3}{4}$ "

20' of ent.
CIBP @ 11,400'

11615'
Div. P. to:
11660
11795'

$4\frac{1}{2}$ " casing set at 11832' with 170 sx of Reg. Wt. cement
Hole size $8\frac{3}{4}$ " Total Depth 11,832'

NEW MEXICO OIL CONSERVATION COMMISSION	
NAME	
FILE	
DATE	
COMMISSION	
TRANSPORT	
PRODUCTION	
OPERATION	

NEW MEXICO OIL CONSERVATION COMMISSION

FORM C-103
(Rev 3-55)

MISCELLANEOUS REPORTS ON WELLS

(Submit to appropriate District Office as per Commission Rule 1106) 3 - 000
1 - 1106
1 - 1113

Name of Company Midwater Oil Company		Address Box 249, Hobbs, N. Mex.			
Lease State "AM"	Well No. 8	Unit Letter P	Section 7	Township 13S	Range 36E
Date Work Performed 6-2-66	Pool Vacuum Area			County Lea	

THIS IS A REPORT OF: (Check appropriate block)

- ☐ Beginning Drilling Operations ☐ Casing Test and Cement Job ☒ Other (Explain):
☐ Plugging ☐ Remedial Work Casing repair

Detailed account of work done, nature and quantity of materials used, and results obtained. Drilled to 4310'. Made trip w/ bit, hit something going back in hole. Found 2 jts. 9-5/8" csg. loose in hole. 1 jt. 3525 to 3558', other 3580-3614'. Rigged up one 9-5/8" squeeze cup on each jt. of 4-1/2" drill pipe w/ stabilizers above & below cups. HMCQ circulation valve on top of upper joint, & TIV safety joint 5 jts. above circulating valve. Set lower cup @ 3600', upper cup at 3535'. Circulation valve @ 3497'. Safety joint at 3340'. Broke circulation, closed circulation valve. Pumped 20 bbls. fresh water. Mixed 90 sks. reg. cement. Displaced w/ 51 bbls. Max. press. 2507, 1 min. SIP 0%. Fluid level in annulus remained full when shut down. WOC 18 hrs. Released safety jt. Bent in w/ wash pipe, but could not get over top of fish. Mill shoe was built lower on one side than the other & high point was setting down inside safety joint. Ran cut-rip clusterite shoe & went over safety joint without any trouble. Found top cement @ 3453'. Milled over fish to 3537', just through top cup & stabilizer, and had no cement for 17'. Milled cement to just below top of bottom joint of 9-5/8" & had no cement to top of bottom cup @ 3600'. Milled cement to 3313' & fell free. Bottom of bottom joint of 9-5/8" @ 3614'. Milled wash pipe. Ran overshot & found fish had gone to bottom. Recovered all of fish. Ran cement bond log. Results inconclusive. Laid 65 sk. reg. cement plug @ 3450'. Cut top of plug @ 3400', & reversed out estimate 15 sks. Tagged plug @ 3420', dropped 20', perforated (1' to 2' to 3' to 4' to 5' to 6' to 7' to 8' to 9' to 10' to 11' to 12' to 13' to 14' to 15' to 16' to 17' to 18' to 19' to 20' to 21' to 22' to 23' to 24' to 25' to 26' to 27' to 28' to 29' to 30' to 31' to 32' to 33' to 34' to 35' to 36' to 37' to 38' to 39' to 40' to 41' to 42' to 43' to 44' to 45' to 46' to 47' to 48' to 49' to 50' to 51' to 52' to 53' to 54' to 55' to 56' to 57' to 58' to 59' to 60' to 61' to 62' to 63' to 64' to 65' to 66' to 67' to 68' to 69' to 70' to 71' to 72' to 73' to 74' to 75' to 76' to 77' to 78' to 79' to 80' to 81' to 82' to 83' to 84' to 85' to 86' to 87' to 88' to 89' to 90' to 91' to 92' to 93' to 94' to 95' to 96' to 97' to 98' to 99' to 100' to 101' to 102' to 103' to 104' to 105' to 106' to 107' to 108' to 109' to 110' to 111' to 112' to 113' to 114' to 115' to 116' to 117' to 118' to 119' to 120' to 121' to 122' to 123' to 124' to 125' to 126' to 127' to 128' to 129' to 130' to 131' to 132' to 133' to 134' to 135' to 136' to 137' to 138' to 139' to 140' to 141' to 142' to 143' to 144' to 145' to 146' to 147' to 148' to 149' to 150' to 151' to 152' to 153' to 154' to 155' to 156' to 157' to 158' to 159' to 160' to 161' to 162' to 163' to 164' to 165' to 166' to 167' to 168' to 169' to 170' to 171' to 172' to 173' to 174' to 175' to 176' to 177' to 178' to 179' to 180' to 181' to 182' to 183' to 184' to 185' to 186' to 187' to 188' to 189' to 190' to 191' to 192' to 193' to 194' to 195' to 196' to 197' to 198' to 199' to 200' to 201' to 202' to 203' to 204' to 205' to 206' to 207' to 208' to 209' to 210' to 211' to 212' to 213' to 214' to 215' to 216' to 217' to 218' to 219' to 220' to 221' to 222' to 223' to 224' to 225' to 226' to 227' to 228' to 229' to 230' to 231' to 232' to 233' to 234' to 235' to 236' to 237' to 238' to 239' to 240' to 241' to 242' to 243' to 244' to 245' to 246' to 247' to 248' to 249' to 250' to 251' to 252' to 253' to 254' to 255' to 256' to 257' to 258' to 259' to 260' to 261' to 262' to 263' to 264' to 265' to 266' to 267' to 268' to 269' to 270' to 271' to 272' to 273' to 274' to 275' to 276' to 277' to 278' to 279' to 280' to 281' to 282' to 283' to 284' to 285' to 286' to 287' to 288' to 289' to 290' to 291' to 292' to 293' to 294' to 295' to 296' to 297' to 298' to 299' to 300' to 301' to 302' to 303' to 304' to 305' to 306' to 307' to 308' to 309' to 310' to 311' to 312' to 313' to 314' to 315' to 316' to 317' to 318' to 319' to 320' to 321' to 322' to 323' to 324' to 325' to 326' to 327' to 328' to 329' to 330' to 331' to 332' to 333' to 334' to 335' to 336' to 337' to 338' to 339' to 340' to 341' to 342' to 343' to 344' to 345' to 346' to 347' to 348' to 349' to 350' to 351' to 352' to 353' to 354' to 355' to 356' to 357' to 358' to 359' to 360' to 361' to 362' to 363' to 364' to 365' to 366' to 367' to 368' to 369' to 370' to 371' to 372' to 373' to 374' to 375' to 376' to 377' to 378' to 379' to 380' to 381' to 382' to 383' to 384' to 385' to 386' to 387' to 388' to 389' to 390' to 391' to 392' to 393' to 394' to 395' to 396' to 397' to 398' to 399' to 400' to 401' to 402' to 403' to 404' to 405' to 406' to 407' to 408' to 409' to 410' to 411' to 412' to 413' to 414' to 415' to 416' to 417' to 418' to 419' to 420' to 421' to 422' to 423' to 424' to 425' to 426' to 427' to 428' to 429' to 430' to 431' to 432' to 433' to 434' to 435' to 436' to 437' to 438' to 439' to 440' to 441' to 442' to 443' to 444' to 445' to 446' to 447' to 448' to 449' to 450' to 451' to 452' to 453' to 454' to 455' to 456' to 457' to 458' to 459' to 460' to 461' to 462' to 463' to 464' to 465' to 466' to 467' to 468' to 469' to 470' to 471' to 472' to 473' to 474' to 475' to 476' to 477' to 478' to 479' to 480' to 481' to 482' to 483' to 484' to 485' to 486' to 487' to 488' to 489' to 490' to 491' to 492' to 493' to 494' to 495' to 496' to 497' to 498' to 499' to 500' to 501' to 502' to 503' to 504' to 505' to 506' to 507' to 508' to 509' to 510' to 511' to 512' to 513' to 514' to 515' to 516' to 517' to 518' to 519' to 520' to 521' to 522' to 523' to 524' to 525' to 526' to 527' to 528' to 529' to 530' to 531' to 532' to 533' to 534' to 535' to 536' to 537' to 538' to 539' to 540' to 541' to 542' to 543' to 544' to 545' to 546' to 547' to 548' to 549' to 550' to 551' to 552' to 553' to 554' to 555' to 556' to 557' to 558' to 559' to 560' to 561' to 562' to 563' to 564' to 565' to 566' to 567' to 568' to 569' to 570' to 571' to 572' to 573' to 574' to 575' to 576' to 577' to 578' to 579' to 580' to 581' to 582' to 583' to 584' to 585' to 586' to 587' to 588' to 589' to 590' to 591' to 592' to 593' to 594' to 595' to 596' to 597' to 598' to 599' to 600' to 601' to 602' to 603' to 604' to 605' to 606' to 607' to 608' to 609' to 610' to 611' to 612' to 613' to 614' to 615' to 616' to 617' to 618' to 619' to 620' to 621' to 622' to 623' to 624' to 625' to 626' to 627' to 628' to 629' to 630' to 631' to 632' to 633' to 634' to 635' to 636' to 637' to 638' to 639' to 640' to 641' to 642' to 643' to 644' to 645' to 646' to 647' to 648' to 649' to 650' to 651' to 652' to 653' to 654' to 655' to 656' to 657' to 658' to 659' to 660' to 661' to 662' to 663' to 664' to 665' to 666' to 667' to 668' to 669' to 670' to 671' to 672' to 673' to 674' to 675' to 676' to 677' to 678' to 679' to 680' to 681' to 682' to 683' to 684' to 685' to 686' to 687' to 688' to 689' to 690' to 691' to 692' to 693' to 694' to 695' to 696' to 697' to 698' to 699' to 700' to 701' to 702' to 703' to 704' to 705' to 706' to 707' to 708' to 709' to 710' to 711' to 712' to 713' to 714' to 715' to 716' to 717' to 718' to 719' to 720' to 721' to 722' to 723' to 724' to 725' to 726' to 727' to 728' to 729' to 730' to 731' to 732' to 733' to 734' to 735' to 736' to 737' to 738' to 739' to 740' to 741' to 742' to 743' to 744' to 745' to 746' to 747' to 748' to 749' to 750' to 751' to 752' to 753' to 754' to 755' to 756' to 757' to 758' to 759' to 760' to 761' to 762' to 763' to 764' to 765' to 766' to 767' to 768' to 769' to 770' to 771' to 772' to 773' to 774' to 775' to 776' to 777' to 778' to 779' to 780' to 781' to 782' to 783' to 784' to 785' to 786' to 787' to 788' to 789' to 790' to 791' to 792' to 793' to 794' to 795' to 796' to 797' to 798' to 799' to 800' to 801' to 802' to 803' to 804' to 805' to 806' to 807' to 808' to 809' to 810' to 811' to 812' to 813' to 814' to 815' to 816' to 817' to 818' to 819' to 820' to 821' to 822' to 823' to 824' to 825' to 826' to 827' to 828' to 829' to 830' to 831' to 832' to 833' to 834' to 835' to 836' to 837' to 838' to 839' to 840' to 841' to 842' to 843' to 844' to 845' to 846' to 847' to 848' to 849' to 850' to 851' to 852' to 853' to 854' to 855' to 856' to 857' to 858' to 859' to 860' to 861' to 862' to 863' to 864' to 865' to 866' to 867' to 868' to 869' to 870' to 871' to 872' to 873' to 874' to 875' to 876' to 877' to 878' to 879' to 880' to 881' to 882' to 883' to 884' to 885' to 886' to 887' to 888' to 889' to 890' to 891' to 892' to 893' to 894' to 895' to 896' to 897' to 898' to 899' to 900' to 901' to 902' to 903' to 904' to 905' to 906' to 907' to 908' to 909' to 910' to 911' to 912' to 913' to 914' to 915' to 916' to 917' to 918' to 919' to 920' to 921' to 922' to 923' to 924' to 925' to 926' to 927' to 928' to 929' to 930' to 931' to 932' to 933' to 934' to 935' to 936' to 937' to 938' to 939' to 940' to 941' to 942' to 943' to 944' to 945' to 946' to 947' to 948' to 949' to 950' to 951' to 952' to 953' to 954' to 955' to 956' to 957' to 958' to 959' to 960' to 961' to 962' to 963' to 964' to 965' to 966' to 967' to 968' to 969' to 970' to 971' to 972' to 973' to 974' to 975' to 976' to 977' to 978' to 979' to 980' to 981' to 982' to 983' to 984' to 985' to 986' to 987' to 988' to 989' to 990' to 991' to 992' to 993' to 994' to 995' to 996' to 997' to 998' to 999' to 1000' to 1001' to 1002' to 1003' to 1004' to 1005' to 1006' to 1007' to 1008' to 1009' to 1010' to 1011' to 1012' to 1013' to 1014' to 1015' to 1016' to 1017' to 1018' to 1019' to 1020' to 1021' to 1022' to 1023' to 1024' to 1025' to 1026' to 1027' to 1028' to 1029' to 1030' to 1031' to 1032' to 1033' to 1034' to 1035' to 1036' to 1037' to 1038' to 1039' to 1040' to 1041' to 1042' to 1043' to 1044' to 1045' to 1046' to 1047' to 1048' to 1049' to 1050' to 1051' to 1052' to 1053' to 1054' to 1055' to 1056' to 1057' to 1058' to 1059' to 1060' to 1061' to 1062' to 1063' to 1064' to 1065' to 1066' to 1067' to 1068' to 1069' to 1070' to 1071' to 1072' to 1073' to 1074' to 1075' to 1076' to 1077' to 1078' to 1079' to 1080' to 1081' to 1082' to 1083' to 1084' to 1085' to 1086' to 1087' to 1088' to 1089' to 1090' to 1091' to 1092' to 1093' to 1094' to 1095' to 1096' to 1097' to 1098' to 1099' to 1100' to 1101' to 1102' to 1103' to 1104' to 1105' to 1106' to 1107' to 1108' to 1109' to 1110' to 1111' to 1112' to 1113' to 1114' to 1115' to 1116' to 1117' to 1118' to 1119' to 1120' to 1121' to 1122' to 1123' to 1124' to 1125' to 1126' to 1127' to 1128' to 1129' to 1130' to 1131' to 1132' to 1133' to 1134' to 1135' to 1136' to 1137' to 1138' to 1139' to 1140' to 1141' to 1142' to 1143' to 1144' to 1145' to 1146' to 1147' to 1148' to 1149' to 1150' to 1151' to 1152' to 1153' to 1154' to 1155' to 1156' to 1157' to 1158' to 1159' to 1160' to 1161' to 1162' to 1163' to 1164' to 1165' to 1166' to 1167' to 1168' to 1169' to 1170' to 1171' to 1172' to 1173' to 1174' to 1175' to 1176' to 1177' to 1178' to 1179' to 1180' to 1181' to 1182' to 1183' to 1184' to 1185' to 1186' to 1187' to 1188' to 1189' to 1190' to 1191' to 1192' to 1193' to 1194' to 1195' to 1196' to 1197' to 1198' to 1199' to 1200' to 1201' to 1202' to 1203' to 1204' to 1205' to 1206' to 1207' to 1208' to 1209' to 1210' to 1211' to 1212' to 1213' to 1214' to 1215' to 1216' to 1217' to 1218' to 1219' to 1220' to 1221' to 1222' to 1223' to 1224' to 1225' to 1226' to 1227' to 1228' to 1229' to 1230' to 1231' to 1232' to 1233' to 1234' to 1235' to 1236' to 1237' to 1238' to 1239' to 1240' to 1241' to 1242' to 1243' to 1244' to 1245' to 1246' to 1247' to 1248' to 1249' to 1250' to 1251' to 1252' to 1253' to 1254' to 1255' to 1256' to 1257' to 1258' to 1259' to 1260' to 1261' to 1262' to 1263' to 1264' to 1265' to 1266' to 1267' to 1268' to 1269' to 1270' to 1271' to 1272' to 1273' to 1274' to 1275' to 1276' to 1277' to 1278' to 1279' to 1280' to 1281' to 1282' to 1283' to 1284' to 1285' to 1286' to 1287' to 1288' to 1289' to 1290' to 1291' to 1292' to 1293' to 1294' to 1295' to 1296' to 1297' to 1298' to 1299' to 1300' to 1301' to 1302' to 1303' to 1304' to 1305' to 1306' to 1307' to 1308' to 1309' to 1310' to 1311' to 1312' to 1313' to 1314' to 1315' to 1316' to 1317' to 1318' to 1319' to 1320' to 1321' to 1322' to 1323' to 1324' to 1325' to 1326' to 1327' to 1328' to 1329' to 1330' to 1331' to 1332' to 1333' to 1334' to 1335' to 1336' to 1337' to 1338' to 1339' to 1340' to 1341' to 1342' to 1343' to 1344' to 1345' to 1346' to 1347' to 1348' to 1349' to 1350' to 1351' to 1352' to 1353' to 1354' to 1355' to 1356' to 1357' to 1358' to 1359' to 1360' to 1361' to 1362' to 1363' to 1364' to 1365' to 1366' to 1367' to 1368' to 1369' to 1370' to 1371' to 1372' to 1373' to 1374' to 1375' to 1376' to 1377' to 1378' to 1379' to 1380' to 1381' to 1382' to 1383' to 1384' to 1385' to 1386' to 1387' to 1388' to 1389' to 1390' to 1391' to 1392' to 1393' to 1394' to 1395' to 1396' to 1397' to 1398' to 1399' to 1400' to 1401' to 1402' to 1403' to 1404' to 1405' to 1406' to 1407' to 1408' to 1409' to 1410' to 1411' to 1412' to 1413' to 1414' to 1415' to 1416' to 1417' to 1418' to 1419' to 1420' to 1421' to 1422' to 1423' to 1424' to 1425' to 1426' to 1427' to 1428' to 1429' to 1430' to 1431' to 1432' to 1433' to 1434' to 1435' to 1436' to 1437' to 1438' to 1439' to 1440' to 1441' to 1442' to 1443' to 1444' to 1445' to 1446' to 1447' to 1448' to 1449' to 1450' to 1451' to 1452' to 1453' to 1454' to 1455' to 1456' to 1457' to 1458' to 1459' to 1460' to 1461' to 1462' to 1463' to 1464' to 1465' to 1466' to 1467' to 1468' to 1469' to 1470' to 1471' to 1472' to 1473' to 1474' to 1475' to 1476' to 1477' to 1478' to 1479' to 1480' to 1481' to 1482' to 1483' to 1484' to 1485' to 1486' to 1487' to 1488' to 1489' to 1490' to 1491' to 1492' to 1493' to 1494' to 1495' to 1496' to 1497' to 1498' to 1499' to 1500' to 1501' to 1502' to 1503' to 1504' to 1505' to 1506' to 1507' to 1508' to 1509' to 1510' to 1511' to 1512' to 1513' to 1514' to 1515' to 1516' to 1517' to 1518' to 1519' to 1520' to 1521' to 1522' to 1523' to 1524' to 1525' to 1526' to 1527' to 1528' to 1529' to 1530' to 1531' to 1532' to 1533' to 1534' to 1535' to 1536' to 1537' to 1538' to 1539' to 1540' to 1541' to 1542' to 1543' to 1544' to 1545' to 1546' to 1547' to 1548' to 1549' to 1550' to 1551' to 1552' to 1553' to 1554' to 1555' to 1556' to 1557' to 1558' to 1559' to 1560' to 1561' to 1562' to 1563' to 1564' to 1565' to 1566' to 1567' to 1568' to 1569' to 1570' to 1571' to 1572' to 1573' to 1574' to 1575' to 1576' to 1577' to 1578' to 1579' to 1580' to 1581' to 1582' to 1583' to 1584' to 1585' to 1586' to 1587' to 1588' to 1589' to 1590' to 1591' to 1592' to 1593' to 1594' to 1595' to 1596' to 1597' to 1598' to 1599' to 1600' to 1601' to 1602' to 1603' to 1604' to 1605' to 1606' to 1607' to 1608' to 1609' to 1610' to 1611' to 1612' to 1613' to 1614' to 1615' to 1616' to 1617' to 1618' to 1619' to 1620' to 1621' to 1622' to 1623' to 1624' to 1625' to 1626' to 1627' to 1628' to 1629' to 1630' to 1631' to 1632' to 1633' to 1634' to 1635' to 1636' to 1637' to 1638' to 1639' to 1640' to 1641' to 1642' to 1643' to 1644' to 1645' to 1646' to 1647' to 1648' to 1649' to 1650' to 1651' to 1652' to 1653' to 1654' to 1655' to 1656' to 1657' to 1658' to 1659' to 1660' to 1661' to 1662' to 1663' to 1664' to 1665' to 1666' to 1667' to 1668' to 1669' to 1670' to 1671' to 1672' to 1673' to 1674' to 1675' to 1676' to 1677' to 1678' to 1679' to 1680' to 1681' to 1682' to 1683' to 1684' to 1685' to 1686' to 1687' to 1688' to 1689' to 1690' to 1691' to 1692' to 1693' to 1694' to 1695' to 1696' to 1697' to 1698' to 1699' to 1700' to 1701' to 1702' to 1703' to 1704' to 1705' to 1706' to 1707' to 1708' to 1709' to 1710' to 1711' to 1712' to 1713' to 1714' to 1715' to 1716' to 1717' to 1718' to 1719' to 1720' to 1721' to 1722' to 1723' to 1724' to 1725' to 1726' to 1727' to 1728' to 1729' to 1730' to 1731' to 1732' to 1733' to 1734' to 1735' to 1736' to 1737' to 1738' to 1739' to 1740' to 1741' to 1742' to 1743' to 1744' to 1745' to 1746' to 1747' to 1748' to 1749' to 1750' to 1751' to 1752' to 1753

9-5/8" w/ 4 jet shots @ 3350'. Lower part of 2nd joint from bottom. Ran HMCB RPS tool & set @ 3310'. Broke formation w/ water @ 2500#. Pumped in @ 2 RPM @ 2200#. Squeezed w/ 100 sks. reg. cement. Cleared tool w/ 7 bbls. Left 2 bbls. in pipe above perforations @ 3350'. ISIP 2100#, 5 min. SIP 1900#, 15 min. SIP 1850#. WOC 18 hrs. Tagged top of cement @ 3324'. Drilled cement from 3324 to 3404', extra hard @ 3350 & 3392'. Washed from 3404 to 3420'. Drilled cement from 3420 to 3450'. Washed from 3450-53'. Reamed from 3453-15'. Rough spot at bottom of top joint of 9-5/8". Had to rotate into top of bottom joint of 9-5/8". Rough spot at bottom of bottom joint. Ran bit to top of cavings and junk at 4663'. Washed and reamed to TD at 4810'.

FIELD <u>Acum Duvonia</u>	OPERATOR <u>GETTY OIL COMPANY</u>	DATE <u>5/5/46</u>
LEASE <u>STATE "A"</u>	WELL NO <u>9</u>	LOCATION <u>I - 11-18-35</u>

PJA

1177 118 10 sx cnt Plug @ Surface

50 sx cnt Plug from 310'-360' at base of 13 3/8" shoe.

13 3/8" casing set at 344' with 250 100 sx of Reg. w/ 2 3/4 gal cement & CIRC.

Hole size 1 7/8"

1111. Top of cnt. @ 500' by Temp. Survey.

50 sx cnt Plug from 815'-915' in 8 5/8" log stub.

25 sx cnt Plug from 785'-795' (50' in 150' out of 8 5/8" log shoe)

look OK

8 5/8" casing set at 485' with 3640 sx of Reg. w/ 2 3/4 gal cement

Hole size 11"

Top of cnt. @ 5865' by Temp. Survey

25 sx cnt Plug at 5990' (50' in 150' out of 5 1/2" log stub)

25 sx cnt Plug from 6940'-7190'.

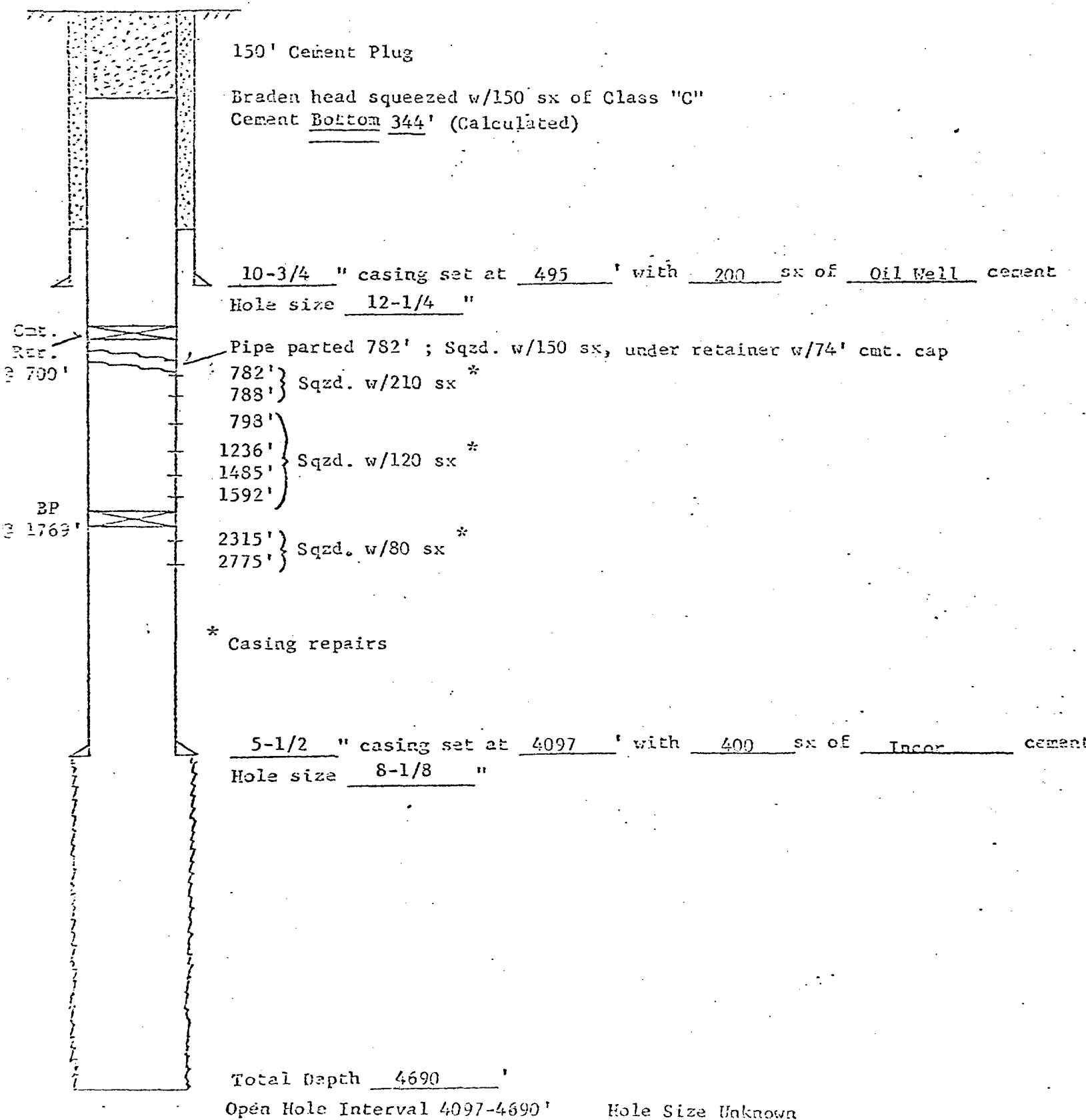
11501'
Ponds: Duvonia
11577'

5 1/2" casing set at 11792' with 275 244 sx of Ircon w/ 2 3/4 gal cement

Total Depth 11792' Hole size 7 7/8"

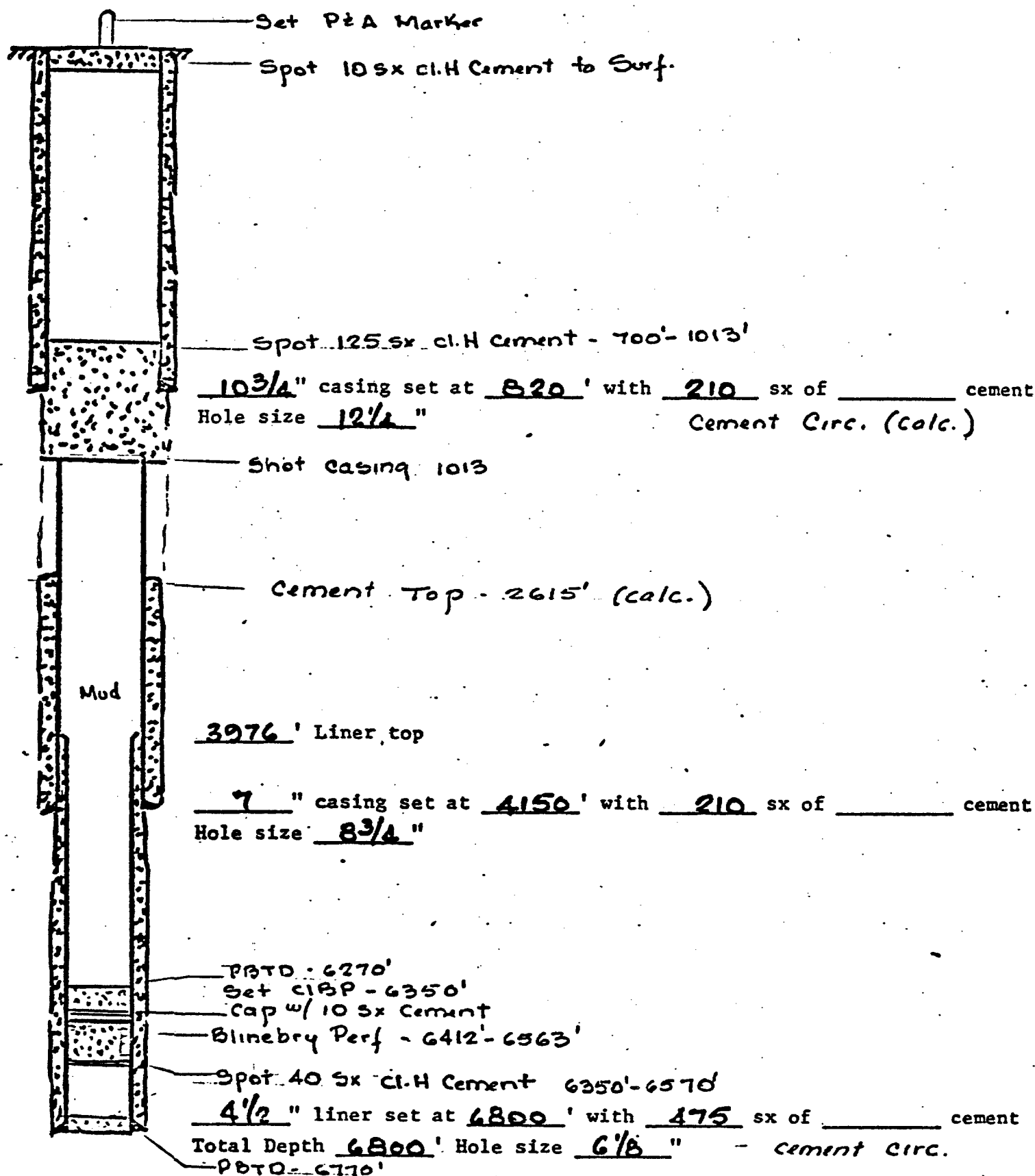
FIELD	VACUUM (G-SA)	OPERATOR	MARATHON OIL COMPANY	DATE	6/25/76
LEASE	WARR STATE a/c 2	WELL NO.	6	LOCATION	Sec. 6-T18S-R35E

STATUS : PLUGGED & ABANDONED



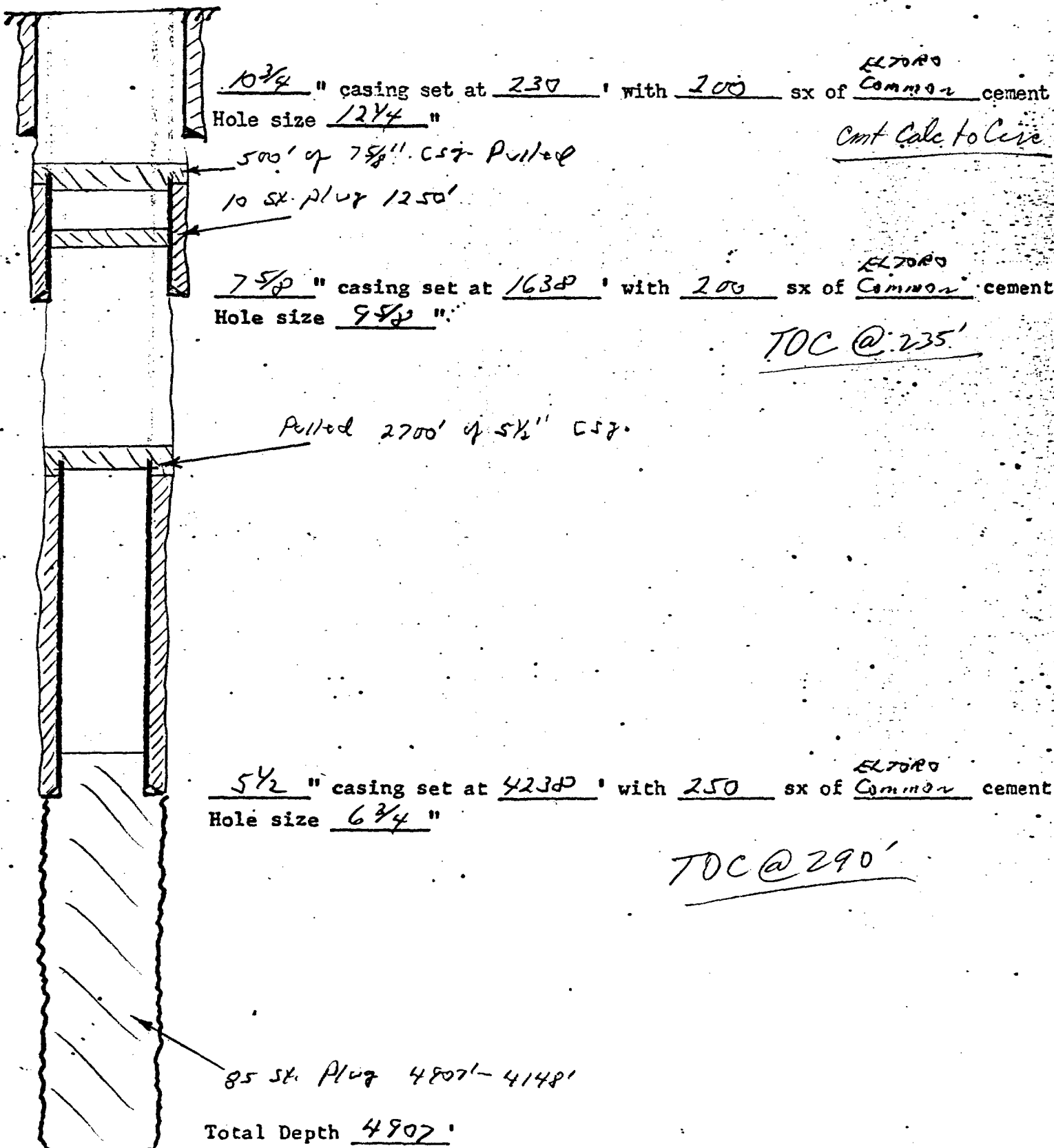
P & A.

FIELD	Vacuum - Blinebry	OPERATOR	Mobil Oil Corp	DATE	5-21-76
LEASE	Bridges - State	WELL No	11	LOCATION	E - Sec 25, T17S, R34E

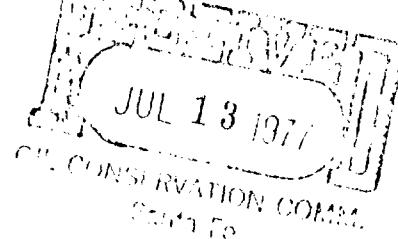
5-21-76
JHS

FIELD	VACUUM GRAYBURY SA	OPERATOR	TEYACO INC	DATE	5-6-76
LEASE	N.M. "P" State	WELL NO	1	LOCATION	I#-7-125-35E

Dry HOLE P&A



CENTRAL VACUUM UNIT
Unorthodox Locations
for Injection Wells



<u>WELL NO.</u>	<u>LOCATION</u>	<u>SECTION</u>	<u>TOWNSHIP</u>	<u>RANGE</u>
5	1310' FNL & 1310' FWL	30	17	35
6	1310' FNL & 2630' FWL	30	17	35
7	1310' FNL & 1330' FEL	30	17	35
13	10' FEL & 2630' FNL	25	17	34
14	1310' FWL & 2630' FNL	30	17	35
15	2630' FWL & 2630' FNL	30	17	35
16	1330' FEL & 2630' FNL	30	17	35
25	1310' FWL & 1330' FSL	25	17	34
26	2630' FWL & 1330' FSL	25	17	34
27	1330' FEL & 1330' FSL	25	17	34
28	10' FEL & 1330' FSL	25	17	34
29	1310' FWL & 1330' FSL	30	17	35
30	2630' FWL & 1330' FSL	30	17	35
31	1330' FEL & 1330' FSL	30	17	35
40	10' FSL & 1310' FWL	25	17	34
41	10' FSL & 2630' FWL	25	17	34
42	10' FSL & 1330' FEL	25	17	34
43	10' FSL & 10' FEL	25	17	34
44	10' FSL & 1310' FWL	30	17	35
45	10' FSL & 2630' FWL	30	17	35
46	10' FSL & 1330' FEL	30	17	35
55	1310' FNL & 1310' FWL	36	17	34
56	1310' FNL & 2630' FWL	36	17	34
57	1310' FNL & 1330' FEL	36	17	34
58	1310' FNL & 10' FEL	36	17	34
59	1310' FNL & 1310' FWL	31	17	35
60	1310' FNL & 2630' FWL	31	17	35
61	1310' FNL & 1330' FEL	31	17	35
70	1310' FWL & 2630' FNL	36	17	34
71	2630' FWL & 2630' FNL	36	17	34
72	1330' FEL & 2630' FNL	36	17	34
73	10' FEL & 2630' FNL	36	17	34
74	1310' FEL & 2630' FNL	31	17	35
81	1330' FSL & 1310' FWL	36	17	34
82	1330' FSL & 2630' FWL	36	17	34
83	1330' FSL & 1330' FEL	36	17	34
84	1330' FSL & 10' FEL	36	17	34
85	1330' FSL & 1310' FWL	31	17	35
93	10' FSL & 1310' FWL	31	17	35
94	10' FSL & 2630' FWL	31	17	35
99	1310' FNL & 1310' FWL	6	18	35
100	1310' FNL & 2630' FWL	6	18	35
101	1310' FNL & 1330' FEL	6	18	35
106	2520' FNL & 1040' FWL	6	18	35
107	2450' FNL & 2630' FWL	6	18	35
108	2630' FNL & 1480' FEL	6	18	35
113	1620' FSL & 1100' FWL	6	18	35
114	2100' FWL & 1460' FSL	6	18	35
115	1500' FEL & 1600' FSL	6	18	35
120	60' FNL & 1100' FWL	7	18	35
121	400' FSL & 2380' FWL	6	18	35
122	350' FSL & 1560' FEL	6	18	35
128	200' FEL & 1310' FNL	12	18	34
129	1310' FNL & 2630' FWL	7	18	35

CENTRAL VACUUM UNIT
Authorized Injection Wells

54 new wells to be drilled at the following locations:

WELL NO.	LOCATION	SECTION	TOWNSHIP SOUTH	RANGE EAST
5	1310' FNL & 1310' FWL	30	17	35
6	1310' FNL & 2630' FWL	30	17	35
7	1310' FNL & 1330' FEL	30	17	35
13	2630' FNL & 10' FEL	25	17	34
14	2630' FNL & 1310' FWL	30	17	35
15	2630' FNL & 2630' FWL	30	17	35
16	2630' FNL & 1330' FEL	30	17	35
25	1330' FSL & 1310' FWL	25	17	34
26	1330' FSL & 2630' FWL	25	17	34
27	1330' FSL & 1330' FEL	25	17	34
28	1330' FSL & 10' FEL	25	17	34
29	1330' FSL & 1310' FWL	30	17	35
30	1330' FSL & 2630' FWL	30	17	35
31	1330' FSL & 1330' FEL	30	17	35
40	10' FSL & 1310' FWL	25	17	34
41	10' FSL & 2630' FWL	25	17	34
42	10' FSL & 1330' FEL	25	17	34
43	10' FSL & 10' FEL	25	17	34
44	10' FSL & 1310' FWL	30	17	35
45	10' FSL & 2630' FWL	30	17	35
46	10' FSL & 1330' FEL	30	17	35
55	1310' FNL & 1310' FWL	36	17	34
56	1310' FNL & 2630' FWL	36	17	34
57	1310' FNL & 1330' FEL	36	17	34
58	1310' FNL & 10' FEL	36	17	34
59	1310' FNL & 1310' FWL	31	17	35
60	1310' FNL & 2630' FWL	31	17	35
61	1310' FNL & 1330' FEL	31	17	35
70	2630' FNL & 1310' FWL	36	17	34
71	2630' FNL & 2630' FWL	36	17	34
72	2630' FNL & 1330' FEL	36	17	34
73	2630' FNL & 10' FEL	36	17	34
74	2630' FNL & 1310' FEL	31	17	35
81	1330' FSL & 1310' FWL	36	17	34
82	1330' FSL & 2630' FWL	36	17	34
83	1330' FSL & 1330' FEL	36	17	34
84	1330' FSL & 10' FEL	36	17	34
85	1330' FSL & 1310' FWL	31	17	35
93	10' FSL & 1310' FWL	31	17	35
94	10' FSL & 2630' FWL	31	17	35
99	1310' FNL & 1310' FWL	6	18	35
100	1310' FNL & 2630' FWL	6	18	35
101	1310' FNL & 1330' FEL	6	18	35
106	2520' FNL & 1040' FWL	6	18	35
107	2450' FNL & 2630' FWL	6	18	35
108	2630' FNL & 1480' FEL	6	18	35
113	1620' FSL & 1100' FWL	6	18	35
114	1460' FSL & 2100' FWL	6	18	35
115	1600' FSL & 1500' FEL	6	18	35
120	60' FNL & 1100' FWL	7	18	35
121	400' FSL & 2380' FWL	6	18	35
122	350' FSL & 1560' FEL	6	18	35
128	1310' FNL & 200' FEL	12	18	34
129	1310' FNL & 2630' FWL	7	18	35

One existing well, Sun Oil Company Lea State "B" No. 7 located as follows:

131	2119' FNL & 918' FWL	7	18	35
-----	----------------------	---	----	----

WELL NAME AND NUMBER	SURFACE CASING			INTERMEDIATE CASING			PRODUCTION CASING			TOTAL DEPTH	INTERVAL	LOCATION	GROUND ELEVATION	OPEN HOLE TIME			
	Casing Size	Depth	Set	Top Cement	Casing Size	Depth	Set	Top Cement	Casing Size						Depth	Set	Top Cement
AMERADA HESS CORP.																	
State "B" #1	10-3/4"	255'	200	Circ	300	439'	6-3/4"	5-1/2"	4252'	4690'	4252-4690	K 36 17 34	3220'	L-3/4"			
State "B" #2	8-5/8"	1538	1175	Circ	--	--	7-7/8"	5-1/2"	6850	6850	5930-6012	K 36 17 34					
State "B" #3	8-5/8"	1550	700	Circ	--	--	7-7/8"	4-1/2"	6200	6200	6069-6094	M 32 17 35					
State "B" #4	8-5/8"	1550	700	Circ	--	--	7-7/8"	4-1/2"	6200	6200	6044-6060	L 32 17 35					
State "B" #5	8-5/8"	1557	700	Circ	--	--	7-7/8"	4-1/2"	6200	6200	6074-6101	K 32 17 35					
State "B" #6	8-5/8"	1590	530	Circ	--	--	7-7/8"	4-1/2"	6250	6250	6079-6106	M 32 17 35					
State "B" #7	13	275	200	Circ	775	Circ	8	5-1/2"	4150	4550	4150-4550	M 32 17 35					
State "B" #8	13	281	200	Circ	200	Circ	8	5-1/2"	4150	4591	4150-4591	K 32 17 35					
State "B" #9	13	276	200	Circ	200	Circ	8	5-1/2"	4150	4527	4140-4527	M 32 17 35					
State "B" #10	13	290	200	Circ	200	843	8-3/4	7	4100	4525	4100-4525	L 32 17 35					
State "B" #11	8-5/8"	1656	650	Circ	--	--	7-7/8"	5-1/2"	4221	4665	4221-4665	P 24 17 34					
State "B" #12	8-5/8"	1645	550	Circ	--	--	7-7/8"	5-1/2"	4258	4675	4255-4675	O 24 17 34					
State "B" #13	8-5/8"	1643	550	Circ	--	--	7-7/8"	5-1/2"	4262	4684	4262-4684	P 24 17 34					
State "B" #14	8-5/8"	1664	650	Circ	--	--	7-7/8"	5-1/2"	4231	4700	4231-4700	M 32 17 35					
State "B" #15	8-5/8"	1656	650	Circ	--	--	7-7/8"	5-1/2"	4222	4695	4222-4695	B 30 17 35					
State "B" #16	8-5/8"	1546	700	Circ	--	--	7-7/8"	5-1/2"	4249	4695	4249-4695	C 30 17 35					
State "B" #17	13	14	14	Circ	--	--	7-7/8"	4-1/2"	6249	6250	6114-6141	O 30 17 35					
State "B" #18	8-5/8"	1655	150	1122	225	Circ	7-7/8"	5-1/2"	4262	4725	4262-4725	P 30 17 35	3283	L-3/4"			
State "B" #19	13-3/8"	1571	1350	Circ	2170	(100 sx @ watersand 140'-150')	7-7/8"	5-1/2"	4209	4724	4209-4724	C 30 17 35	4200	L-3/4"			
State "B" #20	13-3/8"	1571	1350	Circ	4800	Circ	8-3/4	7" Liner	19200	8390 PWD	6042-6139	F 30 17 35					
State "B" #21	8-5/8"	1786	200	Circ	--	--	8-1/4	7	4378	4705	4378-4705	M 32 17 35					
State "B" #22	8-5/8"	1814	200	Circ	--	--	8-1/4	7	4356	4684	4356-4684	P 32 17 35					
State "B" #23	8-5/8"	1795	200	Circ	--	--	8-1/4	7	4328	4659	4328-4659	A 30 17 35					
State "B" #24	8-5/8"	1805	200	Circ	75	3304	6-3/4	5 1/2" Liner	4347	4656	4347-4656	M 20 17 35					
State "B" #25	8-5/8"	1807	200	Circ	--	--	8-1/4	7	4367	4700	4367-4700	L 20 17 35					
State "B" #26	10-3/4	821	650	Circ	--	--	8-3/4	7	4254	4705	4254-4705	M 32 17 35					
State "B" #27	13-3/8"	275	400	Circ	615	336	8-3/4	7	4203	4651	4203-4651	P 32 17 35					
State "B" #28	13-3/8"	279	250	Circ	615	62	8-3/4	7	4185	4455	4200-4695	M 32 17 35					
State "B" #29	13-3/8"	301	250	Circ	615	72	8-3/4	7	4200	4650	4178-4650	M 32 17 35					
State "B" #30	13-3/8"	30	3 yd	--	1250	Circ	7-7/8"	4-1/2"	4178	6250	6030-6140	C 32 17 35					
State "B" #31	13-3/8"	30	3 yd	--	1250	Circ	7-7/8"	4-1/2"	6240	6266	6050-6140	M 32 17 35					
State "B" #32	13-3/8"	28	3 yd	--	1050	Circ	7-7/8"	4-1/2"	6264	6250	6050-6140	M 32 17 35					
State "B" #33	13-3/8"	30	3 yd	--	1050	Circ	7-7/8"	4-1/2"	6247	6277	6050-6140	M 32 17 35					

CASE NO. 5970
 Applicant
 Hearing Date 6-22-77

WELL NAME AND NUMBER	SURFACE CASING			INTERMEDIATE CASING			PRODUCTION CASING			TOTAL DEPTH	INTERVAL	LOCATION				
	Casing Size	Depth Set	Top Sx Cmt	Top Cement	Casing Size	Depth Set	Top Sx Cmt	Top Cement	Hole Size				Csg Size	Depth Set	Sx Cmt	Top Cement
CONTINENTAL OIL CO.																
State H-35 #1	10-3/4"	284'	250	--	7-5/8"	1522'	425	Circ	--	5-1/2"	4132'	425	1770' - C	4700'	4132-4700	1 35 17 34
State H-35 #2	10-3/4	286	225	--	7-5/8	1564	425	Circ	--	5-1/2	4130	425	1770' - C	4741	4130-4741	1 35 17 34
State H-35 #3	10-3/4	289	250	--	7-5/8	1561	425	Circ	6-3/4	5-1/2	4146	425	1775' - C	4700	4146-4700	1 35 17 34
State H-35 #5	10-3/4	286	225	--	7-5/8	1561	425	Circ	6-3/4	5-1/2	4149	425	1775' - C	4695	4149-4695	1 35 17 34
State H-35 #7	13-3/8	375	375	--	9-5/8	4950	300	4189	8-3/4	7	12413	1750	5780' - ?	10100 F800	9230-10000	1 35 17 34
														12413	9184-9230	1 35 17 34
State H-35 #8	8-5/8	1590	600	Circ	--	--	--	--	7-7/8	5-1/2	6750	750	2600' - ?	6750	5966-6010	1 35 17 34
State H-35 #9	11-3/4	366	450	Circ	8-5/8	4940	600	3500	7-7/8	5-1/2	10094	450	5310' - ?	10094	5310-10094	1 35 17 34
State H-35 #10	10-3/4	1596	730	Circ	--	--	--	--	9-7/8	4-1/2	6750	1725	2700' - ?	6750	5043-6002	1 35 17 34
State H-35 #11	10-3/4	1520	795	Circ	--	--	--	--	6-3/4	Plugged and Abandoned		900	2500' - ?	6400	1471-1716	1 35 17 34
State H-35 #12	7-5/8	1516	525	Circ	--	--	--	--		4-1/2	6245		2500' - ?	6250	5254-5029	1 35 17 34
CROWN CENTRAL																
Shell State #1303 #2	8-5/8	320	200	Circ	--	--	--	--	7-7/8	5-1/2	4214	250	2127	4739	4214-4739	1 35 17 35
EXXON																
New Mexico "J" State #1	12-1/2	230	200	Circ	8-5/8	1556	500	Circ	7-3/4	5-1/2	4298	275	2340	4725	1 35 A	1 35 17 35
New Mexico "J" State #2	10-3/4	220	125	Circ	7-5/8	1691	400	Circ	6-3/4	5-1/2	4365	275	515	4765	1 35 A	1 35 17 35
New Mexico "J" State #3	8-5/8	1689	850	Circ	None	Open Hole 1689'	1689'	2870'						2770' BP	Price Well	1 35 17 35
New Mexico "J" State #4	8-5/8	1750	800	Circ	--	--	--	--	7-7/8	5-1/2	8739	1625	Circ	8713	8739-8713	1 35 17 35
New Mexico "J" State #5	8-5/8	1700	1075	Circ	--	--	--	--	7-7/8	5-1/2	8739	1625	Circ	8713	8739-8713	1 35 17 35
New Mexico "BO" State #1	13-3/8	320	325	Circ	9-5/8; 10-3/4	3209	500	1359	6-11/16	4-1/2	8761	1925	Circ	8713	8761-8713	1 35 17 35
New Mexico "BO" State #2	13-3/8	311	325	Circ	9-5/8	3193	500	1343	8-3/4	4-1/2	8858	1600	2900	8713	8858-8713	1 35 17 35
New Mexico "BO" State #3	13-3/8	322	325	Circ	8-5/8	3203	500	903	7-13/16	4-1/2	9050	1100	3550	8713	8900-8713	1 35 17 35
New Mexico "BO" State #4	13-3/8	313	325	Circ	8-5/8	3388	600	628	7-7/8	4-1/2	9500	1300	2931	9500	8713-8713	1 35 17 35
New Mexico "BO" State #5	13-3/8	310	325	Circ	8-5/8	3390	600	630	7-7/8	4-1/2	9070	1150	3159	9070	8474-8993	1 35 17 35
New Mexico "BO" State #6	13-3/8	319	325	Circ	8-5/8	3403	650	413	7-5/8	4-1/2	9024	1150	3113	9075	1 35 A	1 35 17 35
New Mexico "BO" State #7	13-3/8	302	325	Circ	8-5/8	3403	650	2200	7-7/8	4-1/2	8956	1150	2100	9000	8600-8953	1 35 17 35
New Mexico "BO" State #8	13-3/8	309	325	Circ	8-5/8	3398	650	1800	7-7/8	4-1/2	9025	1150	2150	9075	8802-8750	1 35 17 35
New Mexico "BP" State #1	13-3/8	311	325	Circ	8-5/8	3422	550	2300	7-7/8	4-1/2	9070	1300	2395	9070	8802-8750	1 35 17 35
New Mexico "BP" State #2	13-3/8	322	325	Circ	8-5/8	3398	650	1800	7-7/8	4-1/2	9000	1150	3089	9000	8802-8750	1 35 17 35

Continued on back of page

WELL NAME AND NUMBER	SURFACE CASING				INTERMEDIATE CASING				PRODUCTION CASING				TOTAL DEPTH	INTERVAL	LOCATION			GROUND ELEVATION	OPEN HOLE SIZE					
	Casing Size	Depth	Sx	Cmt	Top Cement	Casing Size	Depth	Sx	Cmt	Top Cement	Hole Size	Csg Size			Depth	Sx	Cmt			Top Cement	U	S	T	R
State "A" #1	13-3/8"	338'	350		Circ	8-5/8"	3299'	1400	520'		7-7/8"	5-1/2"	8944'	700	3300' - 7	8945'	8736-8818	A	7	18	35			
State "A" #2	13-3/8"	334	525		Circ	8-5/8"	3298	1400	1600		7-7/8"	5-1/2"	8898	700	3300' - 7	8900	8592-8754	B	7	18	35			
State "A" #3	13-3/8"	334	350		Circ	8-5/8"	3300	1600	1650		7-7/8"	5-1/2"	8985	750	3300' - 7	8985	8519-8872	G	7	18	35			
State "A" #4	13-3/8"	317	350		Circ	8-5/8"	3334	1900	Circ		7-7/8"	5-1/2"	9001	650	Circ	9001	8617-8988	H	7	18	35			
State "A" #5	13-3/8"	317	285		Circ	8-5/8"	3325	1900	Circ		7-7/8"	5-1/2"	9098	650	- 7	9100	8710-8973	J	7	18	35			
State "A" #6	13-3/8"	337	310		Circ	8-5/8"	3316	1650	Circ		7-7/8"	5-1/2"	9025	827	3600' - 7	9025	8856-8968	O	7	18	35			
State "A" #7	13-3/8"	335	345		Circ	8-5/8"	1375	1280	Circ		7-7/8"	5-1/2"	9022	800	3150' - 7	9025	8750-8821	I	7	18	35			
State "A" #8	13-3/8"	340	350		Circ	9-5/8"	3458	P & A @ 3340'			8-3/4"	4 1/2" & 2-7/8"	11832	P & A @ 5150' - 7	11840	P & A	P & A	P	7	18	35			
State "A" #9	12-3/8"	344	350		Circ	8-5/8"	4857	P & A @ 815'			7-7/8"	5-1/2"	11792	P & A @ 5990' - 7	11800	P & A	P & A	I	7	18	35			
State "A" #10	13-3/8"	344	350		Circ	8-5/8"	4850	1471 P&A@206'			7-7/8"	5-1/2"	9012	575 P&A@2123' - 7	4850	4657-4727	P & A	P	7	18	35			
State "A" #11	8-5/8"	402	275		Circ	9-5/8"	1545	250	644		7-7/8"	5-1/2"	4849	1000	850' - 7	4850	4100-4760	B	7	18	35	3980		
State "A" #12	12-1/2"	242	170		Circ	9-5/8"	1545	250	Circ		8-1/4"	7	4100	200	1985' - C	4760	4098-4650	A	36	17	34	3996		
State "A" #13	13-3/8"	252	150		Circ	9-5/8"	1539	250	Circ		8-1/4"	7	4098	200	1982' - C	4650	4098-4650	B	36	17	34	4006		
State "A" #14	13-3/8"	265	150		Circ	9-5/8"	1523	200	101		8-1/4"	7	4100	300	927' - C	4705	4100-4705	D	36	17	34	4018 DF		
State "A" #15	13-3/8"	263	200		Circ	9-5/8"	1526	300	Circ		8-1/4"	7	4094	300	927' - C	4700	4094-4700	C	36	17	34	4013 DF		
State "A" #16	9-5/8"	1533	645		Circ	--					8-3/4"	2-7/8" (Dual)	6710	1185	1875' - 7	6710	5951-6118	D	36	17	34			
State "A" #17	13-3/8"	421	404		Circ	9-5/8"	4835	2080	110		8-3/4"	7	12109	850	5675' - 7	12110	9902-10016	D	36	17	34			
State "A" #18	9-5/8"	1517	700	89(Tag)		--					8-3/4"	2-7/8" (Dual)	6750	1667	1900' - 7	6750	5996-6150	C	36	17	34			
State "A" #19	13-3/8"	399	350		Circ	9-5/8"	4837	3550	Circ		8-1/4"	7	10487	1480	2000' - 7	10490	9024-9190	B	36	17	34			
State "A" #20	9-5/8"	1537	700		Circ	--					8-3/4"	2-7/8" (Dual)	6791	1015	2300' - 7	6800	4606-4728	B	36	17	34	4006		
State "A" #21	8-5/8"	1542	600		Circ	--					7-7/8"	5-1/2"	6829	1576	1000' - 7	6830	6077-6186	A	36	17	34			
State "A" #22	16"	172	150		Circ	10-3/4"	1535	300	390		8-1/4"	7	4109	300	1288' - C	4545	4109-4545	C	31	17	35	3987		
State "A" #23	8-5/8"	1615	800		Circ	--					7-7/8"	5-1/2"	6800	650	2480' - 7	6800	5986-6048	C	31	17	35			
McCallister State #1	10-3/4"	560	250		Circ	7	4097	700	Circ		6-1/8"	4 1/2" Liner	4670	100	3904' - 7	4705	4670-4705	N	25	17	34	4013 DF		
McCallister State #2	10-3/4"	492	250		Circ	7	4100	700	Circ		6-1/4"	4 1/2" Liner	4787	80	Circ	4788	4680-4736	K	25	17	34	4013 DF		
McCallister State #3	9-5/8"	494	250		Circ	7	4096	700	Circ		6-1/4"	4 1/2" Liner	4732	80	Circ	4784	4666-4763	M	25	17	34	4002		
McCallister State #4	9-5/8"	497	200		Circ	7	4099	700	Circ		6-1/4"	4 1/2" Liner	4780	90	Circ	4780	4673-4747	L	25	17	34	4019 DF		
McCallister State #5	16"	350	675		Circ	10-3/4"	5000	3758	Circ		8-3/4"	7	12193	1335	3470' - 7	12195	9348-9951	M	25	17	34			
McCallister State #6	9-5/8"	364	300		Circ	--					7-5/8"	5-1/2"	6799	3300	240' - 7	6800	5968-6017	L	25	17	34			
McCallister State #7	16"	371	475		Circ	10-3/4"	5006	3080	Circ		8-3/4"	7	12110	1520	4405' - 7	12125	9064-10122	N	25	17	34			

WELL NAME AND NUMBER	SURFACE CASING			INTERMEDIATE CASING			PRODUCTION CASING			TOTAL DEPTH	INTERVAL	LOCATION U S T R	GROUND ELEVATION	OPEN HOLE DATE		
	Casing Size	Depth Set	Top Cement	Casing Size	Depth Set	Top Cement	Hole Size	Csg Size	Depth Set						Sx Cmt	Top Cement
MARATHON (Cont'd)																
McCallister State #8	9-5/8"	350'	Circ	--				7-5/8"	5-1/2"	6798'	2500	245' -	5963-5991	M 25 17 34		
McCallister State #9	9-5/8	1555	Circ	--				7-5/8	5-1/2	6799	2420	700 -	6003-6014	K 25 17 34		
McCallister State #10	8-5/8	1519	Circ	--				7-7/8	5-1/2	6798	2110	1880 -	6016-6762	N 25 17 34		
Staplin St. A/C-1 #1	9-5/8	505	Circ	7	4102	700	Circ	6-1/4	4 1/2 Liner	4758	110	Circ -	4419-4662	N 30 17 35	3366	
Staplin St. A/C-1 #2	9-5/8	175	Circ	7	4082	P&A @ 650'		6-1/8	4 1/2 Liner	4710	P & A @ 3900' -	Circ -	P & A	K 30 17 35		
Staplin St. A/C-1 #3	9-5/8 P&A	1503	Circ	--				6-1/4	4-1/2	6148	950	Circ -	6076-6078	N 30 17 35		
Staplin St. A/C-1 #4	7	1503	Circ	--				6-1/4	4-1/2	6148	900	Circ -	6050-6056	K 30 17 35		
Staplin St. A/C-1 #5	8-5/8	543	Circ	--				7-7/8	5-1/2	4739	1500	Circ -	4472-4553	K 30 17 35		
Wann State A/C-1 #1	9-5/8	506	Circ	--				8-1/4	7	4100	800	Circ -	4100-4664	F 31 17 35	3991	
Wann State A/C-1 #2	9-5/8	517	Circ	--				8-3/4	7	4098	700	Circ -	4400-4660	K 31 17 35	3990	
Wann State A/C-1 #3	13-3/8	356	Circ	9-5/8	5002	2650	1100	8-3/4	2-7/8	10247	1400	2965 -	9122-10146	F 31 17 35		
									(Triple)							
Wann State A/C-1 #4	8-5/8	1503	Circ	--				6-3/4	4-1/2	6250	1600	1695 -	6005-6114	K 31 17 35		
Wann State A/C-1 #5	7	1503	Circ	--				6-1/4	4-1/2	6245	1000	190 -	6039-6074	F 31 17 35		
Wann State A/C-2 #1	10-3/4	497	Circ	--				8-3/4	7	4098	700	Circ -	4098-4664	D 6 18 35	3993 DF	
Wann State A/C-2 #2	9-5/8	250	Circ	--				8-3/4	7	4099	700	Circ -	4099-4665	C 6 18 35	3994	
Wann State A/C-2 #3	9-5/8	498	Circ	--				8-1/4	5-1/2	4105	800	Circ -	4105-4660	E 6 18 35	3995	
Wann State A/C-2 #4	9-5/8	500	Circ	--				8-1/4	5-1/2	4085	800	Circ -	4085-4650	F 6 18 35	3996	
Wann State A/C-2 #5	10-3/4	504	Circ	5-1/2	4096	600	1316	6	4 Liner	4695	100	4294 -	4522-4539	L 6 18 35	3997 DF	
Wann State A/C-2 #6	10-3/4	495	Circ	--				8-1/8	5 1/2 P&A	4097	400	P&A @ 700'	P & A	K 6 18 35		
Wann State A/C-2 #7	10-3/4	503	Circ	--				8-3/4	5-1/2	4395	400	2657 -	4395-4683	M 6 18 35	3998	
Wann State A/C-2 #8	13-3/8	357	Circ	9-5/8	3199	1440	Circ	8-3/4	5-1/2	8866	850	3770 -	8456-8730	N 6 18 35		
Wann State A/C-2 #9	13-3/8	356	Circ	9-5/8	3159	1400	Circ	8-1/4	5-1/2	8769	850	2915 -	8423-8702	M 6 18 35		
Wann State A/C-2 #10	13-3/8	371	Circ	9-5/8	3307	1540	Circ	7-7/8	5-1/2	8668	560	6155 -	8494-8781	K 6 18 35		
Wann State A/C-2 #11	13-3/8	365	Circ	8-5/8	3400	1500	Circ	7-7/8	5-1/2	8797	1255	745 -	8435-8655	L 6 18 35		
Wann State A/C-2 #12	7	1503	Circ	--				6-1/4	4-1/2	6250	1000	1540 -	5996-6142	D 6 18 35		
Wann State A/C-2 #13	8-5/8	1514	Circ	--				6-1/4	4-1/2	6286	1000	245 -	6027-6170	C 6 18 35		
Wann State A/C-2 #14	7	1502	Circ	--				7-7/8	5-1/2	6248	1280	Circ -	5951-6123	E 6 18 35		
Wann State A/C-2 #15	8-5/8	1475	Circ	--				6-1/4	4-1/2	6283	1150	Circ -	6046-6155	F 6 18 35		
Wann State A/C-2 #16	8-5/8	1498	Circ	--				7-7/8	5-1/2	4816	1700	Circ -	4521-4622	N 6 18 35	3997	
Wann State A/C-2 #17	8-5/8	1499	Circ	--				7-7/8	5-1/2	4720	800	1500 -	4447-4604	K 6 18 35	3979	

WELL NAME AND NUMBER	SURFACE CASING			INTERMEDIATE CASING			PRODUCTION CASING			TOTAL DEPTH	INTERVAL	LOCATION		
	Casing Size	Depth	Top Cement	Casing Size	Depth	Top Cement	Hole Size	Csg Size	Depth	Top Cement				
	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft		U	S	T R
PHIL OIL CORP.														
Bridges State #4	10-3/4"	846'	175	7"	4270'	281	6-1/8"	5" Liner	6877'	390	Circ	B	26	17 34
Bridges State #11	10-3/4"	820	210	7	4150	210	6-1/8"	4 1/2 Liner	6800	475	Circ	F	25	17 34
Bridges State #13	10-3/4"	827	210	7	4200	210	6-1/4"	5 Liner	6800	300	Circ	F	25	17 34
Bridges State #14	10-3/4"	803	250	7	4198	225	6-1/4"	5 Liner	4803	100	Circ	G	25	17 34
Bridges State #15	10-3/4"	818	225	--	--	--	8-3/4"	7	4125	220	2525 -C	O	25	17 34
Bridges State #16	10-3/4"	836	220	--	--	--	8-3/4"	7	4195	210	2659 -C	O	25	17 34
Bridges State #17	10-3/4"	825	225	--	--	--	8-3/4"	7	4200	210	2664 -C	B	25	17 34
Bridges State #22	10-3/4"	828	220	--	--	--	8-3/4"	7	4278	220	2670 -C	A	25	17 34
Bridges State #25	10-3/4"	828	220	--	--	--	8-3/4"	7	4200	210	2665 -C	X	24	17 34
Bridges State #27	10-3/4"	831	220	7	4220	210	6-1/8"	5 Liner	4019-4734	Qnt/80 sx.	7000	J	26	17 34
Bridges State #30 (WIV)	10-3/4"	820	300	7	4250	210	6-1/4"	5 Liner	6800	275	Circ	H	26	17 34
Bridges State #32	10-3/4"	815	257	7	4210	217	6-1/4"	4 1/2 Liner	6800	400	Circ	G	26	17 34
Bridges State #33	10-3/4"	821	250	7	4200	210	6-1/4"	5 Liner	4780	250	Circ	C	25	17 34
Bridges State #36	10-3/4"	815	250	7	4241	210	6-1/8"	5 Liner	6900	425	Circ	J	26	17 34
Bridges State #30	10-3/4"	825	240	7	4230	210	6-1/4"	4 1/2 Liner	6795	400	Circ	D	25	17 34
Bridges State #97	8-5/8"	1567	850	--	--	--	7-7/8"	5	6750	1575	2640 -C	A	26	17 34
Bridges State #99	9-5/8"	1572	610	--	--	--	8-3/4"	7	6750	2432	Circ	F	26	17 34
Bridges State #102	8-5/8"	1565	800	--	--	--	7-7/8"	4-1/2	6200	2380	Circ	I	26	17 34
Bridges State #103	8-5/8"	1514	900	--	--	--	7-7/8"	4-1/2	6200	3255	Circ	G	25	17 34
Bridges State #105 (WIV)	8-5/8"	1516	900	--	--	--	7-7/8"	4-1/2	6150	1865	Circ	F	25	17 34
Bridges State #106	8-5/8"	1512	850	--	--	--	7-7/8"	4-1/2	6147	2765	Circ	A	26	17 34
Bridges State #106	13-3/8"	365	300	9-5/8"	5000	2600	8-3/4"	7 Liner	10300	1250	Circ	C	25	17 34
Bridges State #110	8-5/8"	1592	900	--	--	--	7-7/8"	5-1/2	6200	1500	Circ	F	25	17 34
Bridges State #111	9-5/8"	1585	900	--	--	--	8-3/4"	7	6190	1800	Circ	B	25	17 34
Bridges State #115	8-5/8"	1603	975	--	--	--	7-7/8"	5-1/2	6242	1415	Circ	F	25	17 34
Bridges State #176	8-5/8"	415	400	--	--	--	7-7/8"	5-1/2	4850	1600	Circ	A	25	17 34
Bridges State #177	9-5/8"	349	400	--	--	--	8-3/4"	7	4850	1600	Circ	F	25	17 34
Bridges State #173	10-3/4"	405	450	--	--	--	8-3/4"	7	4850	1600	500 -C	I	25	17 34
Bridges State #180	9-5/8"	367	400	--	--	--	8-3/4"	7	4850	1600	550 -C	F	26	17 34
North Vacuum Abo Unit #95 (WIV)	13-3/8"	358	350	--	--	--	8-3/4"	7	13816	2750	Circ	F	26	17 34
North Vacuum Abo Unit #96 (WIV)	13-3/8"	365	350	9-5/8"	4400	2400	8-3/4"	7-5/8	11515	1150	Circ	H	26	17 34

WELL NAME AND NUMBER	SURFACE CASING			INTERMEDIATE CASING			PRODUCTION CASING			TOTAL DEPTH	INTERVAL	LOCATION	SECOND ELEVATION	OPEN HOLE SIZE
	Casing Size	Depth	Sx Cmt	Casing Size	Depth	Sx Cmt	Hole Csg Size	Depth	Sx Cmt					
		Set	Top		Set	Top		Set						
			Cement			Cement								
MOBIL OIL CORP. (Cont'd)														
North Vacuum Abo Unit #98	13-3/8"	362'	350	10-3/4"	4400'	1732	9-5/8"	10217'	1732	11657'	8414-8558	J 26 17 34		
							2 strings of 2-7/8				9995-10119			
							7 Liner	11657			11162-11508			
North Vacuum Abo Unit #104	13-3/8"	365	300	9-5/8"	5000	5025	8-3/4"	10200	1375	10193 PB	8444-9360	B 25 17 34		
											9592-9944			
											10016-10116			
North Vacuum Abo Unit #109 (WTW)	13-3/8"	365	350	9-5/8"	4890	2600	8-3/4"	10366	1125	9380 PB	8427-8466	H 24 17 34		
North Vacuum Abo Unit #112	13-3/8"	380	350	9-5/8"	5000	2600	8-3/4"	10228	1000	9971 PB	6011-6036	D 25 17 34		
North Vacuum Abo Unit #117	8-5/8"	1655	1300	--	--	--	7-7/8"	8700	3100	8600 PB	8392-8452			
											8461-8525	B 26 17 34		
North Vacuum Abo Unit #211	11-3/4"	397	400	8-5/8"	5000	1550	7-7/8"	9386	750	9354 PB	8475-8509	J 24 17 34		
North Vacuum Abo Unit #212 (WTW)	13-3/8"	353	400	9-5/8"	5016	2403	8-3/4"	10200	1350	8730 PB	8479-8640	F 24 17 34		
North Vacuum Abo Unit #218 (WTW)	12-3/4"	253	400	8-5/8"	3030	1400	7-7/8"	8600	2000	8600	8382-8422	F 25 17 34		
North Vacuum Abo Unit #222	12-3/4"	263	400	8-5/8"	3072	1765	7-7/8"	8660	1600	8660	8511-8576	I 24 17 34		
State "H" #1	16"	237	200	--	--	--	8-3/4"	4107	200	4662	4107-4662	D 31 17 35	3997 PB	6-1/4"
State "H" #2	8-5/8"	1568	800	--	--	--	7-7/8"	6850	2200	6800 PB	6025-6061	D 31 17 35		
State "I" #1	10-3/4"	473	650	--	--	--	8-3/4"	4060	470	4626	4060-4626	L 36 17 34		
State "I" #2	9-5/8"	1520	695	--	--	--	8-3/4"	6850	2295	6448 PB	5916-5969	L 36 17 34		
State "K" #1	10-3/4"	796	176	--	--	--	8-3/4"	4090	179	4667	4090-4667	J 31 17 35		
State "K" #2	9-5/8"	1600	331	--	--	--	8-3/4"	4210	226	4682	4210-4682	I 31 17 35		
State "K" #3	10-3/4"	791	225	--	--	--	9	4060	245	4641	4060-4641	F 31 17 35		
State "K" #7	8-5/8"	1572	900	--	--	--	7-7/8"	6298	1800	6251 PB	6043-6076	I 31 17 35		
State "K" #8	8-5/8"	1514	900	--	--	--	7-7/8"	6290	2085	6290	6076-6117	F 31 17 35		
State "K" #9	8-5/8"	1545	900	--	--	--	7-7/8"	6200	2675	6163 PB	6007-6055	J 31 17 35		
State "CC" #1	16"	360	360	10-3/4"	4967	2175	9-5/8"	12080	4460	12080	P & A	L 36 17 34		
State "DD" #1	13-3/8"	370	350	9-5/8"	5000	3575	8-3/4"	10553	1520	9390 PB	9287-9320	D 31 17 35		

WELL NAME AND NUMBER

PHILLIPS PETROLEUM CO.

WELL NAME AND NUMBER	SURFACE CASING				INTERMEDIATE CASING				PRODUCTION CASING				TOTAL DEPTH	INTERVAL	LOCATION N T R	SPOT ELEVATION	CIRCUIT HOLE SIZE	
	Casing Size	Depth	Sx Cmt	Top Cement	Casing Size	Depth	Sx Cmt	Top Cement	Hole Size	Csg Size	Depth	Sx Cmt						Top Cement
PHILLIPS PETROLEUM CO.																		
M. E. Hale #1	9-5/8"	1572'	250	694'	7"	4289'	400	1362'-C	6-1/8"	4 1/2" Liner	4648'	125	Circ	4648'	I 35 17 34	4482-4556		
M. E. Hale #3	9-5/8	1491	400	Circ	--	--	--	--	8-3/4	7	4099	400	1172 -C	4552	F 35 17 34	4099-4552		
M. E. Hale #5	9-5/8	1544	900	Circ	--	--	--	--	8-3/4	7	4098	400	1171 -C	4609	F 35 17 34	4098-4609		
M. E. Hale #6	9-5/8	1523	635	Circ	--	--	--	--	8-3/4	7	4097	400	1162 -C	4721	C 35 17 34	4097-4721		
M. E. Hale #7	9-5/8	1596	642	Circ	--	--	--	--	7-7/8	4-1/2	6900	1133	2550 -F	6855 PB	I 35 17 34	5922-5946		
M. E. Hale #8	13-3/8	320	350	Circ	9-5/8	3250	400	2500	7-7/8	4-1/2	10359	712	2200 -F	5010 PB	F 35 17 34	4639-4670		
M. E. Hale #9	13-3/8	323	350	Circ	9-5/8	3400	400	2500	7-7/8	7	10497	1050	2700 -F	4800 PB	J 35 17 34			
M. E. Hale #10	8-5/8	1600	700	Circ	--	--	--	--	7-7/8	4-1/2	6200	800	3150 -F	4702 PB	O 35 17 34	4501-4568		
Santa Fe #1	13-3/8	252	250	Circ	9-5/8	1530	275	564	8-3/4	7	4104	400	1307 -C	4743 PB	E 31 17 35	4104-4665	3965	
Santa Fe #2	13	255	225	Circ	9-5/8	1541	275	669	6-1/8	4 1/2 Liner	4742	160	Circ	4685	F 31 17 35	4554-4633		
Santa Fe #3	9-5/8	1524	875	Circ	--	--	--	--	8-1/4	7	4104	400	812 -C	4650	O 30 17 35	4104-4650		
Santa Fe #4	13	255	200	Circ	9-5/8	1509	275	637	8-3/4	7	4101	400	1330 -C	4748 PB	E 5 17 35	4114-4650	3965	
Santa Fe #5	13	255	200	Circ	9-5/8	1536	275	664	6-1/8	4 1/2 Liner	4750	160	Circ		O 31 17 35	4100-4748		
Santa Fe #6	9-5/8	1548	875	Circ	--	--	--	--	8-3/4	7	4096	400	1304 -C	4752 PB	I 31 17 35	4114-4674	3963	
Santa Fe #7	9-5/8	1572	875	Circ	--	--	--	--	8-3/4	7	4175	400	1358 -C	5030	P & A			
Santa Fe #8	9-5/8	1591	875	Circ	--	--	--	--	8-3/4	7	4124	400	1335 -C	4667	I 5 17 35	4124-4667	3962	
Santa Fe #9	9-5/8	1561	650	Circ	--	--	--	--	8-3/4	7	4128	400	1344 -C	4645	J 30 17 35	4128-4645		
Santa Fe #10	8-5/8	1625	1000	Circ	--	--	--	--	8-3/4	7	4122	400	1330 -C	4645	C 5 17 35	4122-4645		
Santa Fe #11	8-5/8	320	185	Circ	--	--	--	--	7-7/8	5-1/2	4418	1000	1050 -F	4650	K 29 17 35	4418-4650		
Santa Fe #12	8-5/8	1699	500	Circ	--	--	--	--	7-7/8	5-1/2	4753	350	2900 -F	4573	C 29 17 35	4341-4626		
Santa Fe #13	13-3/8	337	350	Circ	9-5/8	4773	762	2400	7-7/8	5-1/2	4410	950	Circ	4770	D 29 17 35	4410-4770		
Santa Fe #14	8-5/8	1595	700	Circ	--	--	--	--	8-3/4	7	10500	1110	5600 -F	10500	I 31 17 35	6030-6042		
Santa Fe #15	8-5/8	1600	700	Circ	--	--	--	--	7-7/8	4-1/2	6904	1083	1500 -F	6851 PB	E 31 17 35	6150-6300		
Santa Fe #16	8-5/8	1595	700	Circ	--	--	--	--	7-7/8	4-1/2	6255	800	3000 -F	4873 PB	C 5 17 35	6039-6140		
Santa Fe #17	8-5/8	1598	640	Circ	--	--	--	--	7-7/8	4-1/2	6250	800	2900 -F	6195 PB	D 5 17 35	6112-6132		
Santa Fe #18	8-5/8	1620	640	Circ	--	--	--	--	7-7/8	4-1/2	6200	800	2500 -F	6154 PB	O 30 17 35	6001-6074		
Santa Fe #19	8-5/8	1581	700	Circ	--	--	--	--	7-7/8	4-1/2	6200	600	2550 -F	6158 PB	J 30 17 35	6072-6102		
Santa Fe #20	8-5/8	1667	640	Circ	--	--	--	--	7-7/8	4-1/2	6200	800	2300 -F	6200	C 31 17 35	6030-6174		
Santa Fe #21	8-5/8	1530	650	Circ	--	--	--	--	7-7/8	4-1/2	6225	750	2250 -F	6225	K 29 17 35	6104-6135		
Santa Fe #22	8-5/8	402	350	Circ	--	--	--	--	7-7/8	4-1/2	6250	800	2600 -F	4936 PB	E 5 17 35	4492-4611		
Santa Fe #23	8-5/8	397	350	Circ	--	--	--	--	7-7/8	4-1/2	4696	275	2700 -F	4700	F 5 17 35	4472-4610		
Santa Fe #24	8-5/8	1688	600	Circ	--	--	--	--	7-7/8	5-1/2	4750	275	2050 -F	4730 PB	O 30 17 35	4454-4547		
Santa Fe #25	8-5/8	390	375	Circ	--	--	--	--	7-7/8	5-1/2	4832	2050	2200 -F	8937 PB	D 29 17 35	8626-4729		
Santa Fe #26	8-5/8	390	375	Circ	--	--	--	--	7-7/8	5-1/2	4839	300	2710 -F	4850	F 5 17 35	4389-4762		

WELL NAME AND NUMBER	SURFACE CASING				INTERMEDIATE CASING				PRODUCTION CASING				TOTAL DEPTH	INTERVAL	LOCATION			GROUND ELEVATION	CROWN HOLE SIZE
	Casing Size	Depth	Sx Cmt	Top Cement	Casing Size	Depth	Sx Cmt	Top Cement	Hole Size	Csg Size	Depth				Sx Cmt	Top Cement			
											Set	Set							
PHILLIPS PETROLEUM CO. (Cont'd)																			
Vacuum Abo Unit #6-59	13-3/8"	332'	350	Circ	8-5/8"	3250'	400	2000'	7-7/8"	5-1/2"	8982'	545	3600' - 7	8982'	F	5	12	35	8544-8742
Vacuum Abo Unit #6-63	13-3/8"	318	350	Circ	8-5/8"	3240	400	2000	7-7/8"	5-1/2"	8999	555	2300 - 7	9000	E	5	12	35	8233-8813
Vacuum Abo Unit #14-1	13-3/8"	316	290	Circ	8-5/8"	3200	200	2000	7-7/8"	4-1/2"	9006	690	2500 - C	9006	K	5	12	35	8250-8910
Vacuum Abo Unit #14-2	13-3/8"	300	300	Circ	8-5/8"	3451	200	2200	7-7/8"	4-1/2"	9062	778	2000 - C	8910 PB	M	5	12	35	8504-8795
Vacuum Abo Unit #14-3	13-3/8"	313	190	Circ	8-5/8"	3233	250	1670	7-7/8"	4-1/2"	9107	450	5600 - C	9079 PB	N	5	12	35	8561-8830
Vacuum Abo Unit #15-1	13-3/8"	308	305	Circ	8-5/8"	3254	1100	145	7-7/8"	5-1/2"	9049	925	1293	8900 PB	D	8	18	35	8226-8500
Vacuum Abo Unit #15-2	13-3/8"	314	310	Circ	8-5/8"	3275	1100	Circ	7-7/8"	5-1/2"	8969	775	2860 - 7	8885 PB	C	8	12	35	8800-8835
Vacuum Abo Unit #15-4	13-3/8"	318	320	Circ	8-5/8"	3274	1200	Circ	7-7/8"	5-1/2"	9010	775	3188 - 7	8910 PB	E	8	12	35	8843-8905
SHILL OIL CO.																			
State "A" #1	8-5/8	1538	600	Circ	--	--	--	--	7-7/8	5-1/2	4270	275	2414	4410	E	31	17	35	4270-4410
State "A" #2	8-5/8	1533	600	Circ	--	--	--	--	7-7/8	5-1/2	4276	275	2420	4667	G	31	17	35	4276-4667
State "A" #3	8-5/8	1536	600	Circ	--	--	--	--	7-7/8	5-1/2	4270	275	2414	4690	H	31	17	35	4270-4690
State "A" #4	8-5/8	1558	600	Circ	--	--	--	--	7-7/8	5-1/2	4299	275	2443	4710	A	31	17	35	4299-4710
State "A" #5	13-3/8	293	300	Circ	9-5/8	2982	1250	--	7-7/8	5-1/2	10300	1800	Circ	6250 PB	A	31	17	35	6069-6174
State "A" #6	8-5/8	1557	600	Circ	--	--	--	--	7-7/8	5-1/2	6900	750	1838	6195 PB	G	31	17	35	5997-6128
State "A" #7	8-5/8	1665	800	Circ	--	--	--	--	6-5/8	4-1/2	6310	700	10	6310	B	31	17	35	5939-6177
State "A" #8	8-5/8	1575	800	Circ	--	--	--	--	6-5/8	4-1/2	6302	700	2	6302	H	31	17	35	5939-6177
State "B" #1	8-5/8	1575	600	Circ	--	--	--	--	7-3/4	5-1/2	4300	275	2342	4695	P	30	17	35	4300-4695
State "B" #2	8-5/8	1629	600	Circ	--	--	--	--	7-7/8	5-1/2	4300	275	2444	4735	I	30	17	35	4300-4735
State "B" #3	8-5/8	1650	800	Circ	--	--	--	--	6-5/8	4-1/2	7097	800	Circ	7100	F	30	17	35	6076-6134
State "B" #4	8-5/8	1611	800	Circ	--	--	--	--	6-5/8	4-1/2	6200	700	Circ	6175 PB	F	30	17	35	6060-6129
State "D" #1	8-5/8	1493	600	Circ	--	--	--	--	7-7/8	5-1/2	4280	275	2424	4690	M	31	17	35	4290-4690
State "D" #2	8-5/8	1562	700	Circ	--	--	--	--	7-7/8	5-1/2	6899	450	3861	6260 PB	M	31	17	35	5960-6156
State "D" #3	8-5/8	1483	600	Circ	--	--	--	--	7-7/8	5-1/2	4284	275	2428	4690	N	31	17	35	4290-4690
State "E" #1	8-5/8	1483	600	Circ	9-5/8	3285	475	Circ	8-3/4	7	9505	1800	Circ	6266 PB	H	31	17	35	6098-6134
State "E" #2	13-3/8	332	300	Circ	--	--	--	--	7-7/8	5-1/2	4315	275	2459	4700	N	29	17	35	4315-4700
State "F" #1	8-5/8	1575	600	Circ	--	--	--	--	7-7/8	5-1/2	4320	275	2464	4725	N	29	17	35	4320-4725
State "F" #2	8-5/8	1594	600	Circ	--	--	--	--	6-5/8	4-1/2	6219	700	Circ	6219	N	29	17	35	6072-6121
State "F" #3	8-5/8	1657	800	Circ	--	--	--	--	6-5/8	4-1/2	6249	700	Circ	6250	N	29	17	35	6039-6131
State "F" #4	8-5/8	1593	800	Circ	--	--	--	--	6-5/8	4-1/2	6249	700	Circ	6250	N	29	17	35	6039-6131
State "H" #1	8-5/8	1596	600	Circ	--	--	--	--	7-7/8	5-1/2	4315	275	2459	4700	L	29	17	35	4315-4700
State "H" #2	8-5/8	1613	800	Circ	--	--	--	--	6-5/8	4-1/2	6250	750	Circ	6250	L	29	17	35	6102-6133
State "I" #1	8-5/8	307	25	Circ	--	--	--	--	7-7/8	5-1/2	4726	200	3376	4730	E	29	17	35	6111-6146
State "I" #2	8-5/8	1700	800	Circ	--	--	--	--	7-7/8	5-1/2	8950	NA	A	4657 PB	O	19	17	35	4406-4657
State "K" #1	8-5/8	1710	1100	Circ	--	--	--	--	7-7/8	5-1/2	8900	1180	935	8950	F	19	17	35	8663-8705
State "K" #3	7-5/8	325	250	Circ	--	--	--	--	6-5/8	5-1/2	4790	400	1190	4794	I	19	17	35	4633-4661
State "VAA" #5	8-5/8	1571	600	Circ	--	--	--	--	7-7/8	5-1/2	4290	275	2434	4700	I	29	17	35	4290-4700
Swigart #1	8-5/8	1601	610	Circ	--	--	--	--	7-7/8	5-1/2	6898	800	1498	6275 PB	I	29	17	35	6054-6122
Swigart #2	8-5/8				--	--	--	--											

* Shell did not allow casing cut logs
Drawing in R

WELL NAME AND NUMBER	SURFACE CASING				INTERMEDIATE CASING				PRODUCTION CASING				TOTAL DEPTH	LOCATION U. S. T. R.	SHOULDER ELEVATION	CIRCUIT HOLE
	Casing Size	Depth	Sx	Cmt	Top Cement	Casing Size	Depth	Sx	Cmt	Top Cement	Hole Size	Csg Size	Depth	Sx	Cmt	Top Cement
SUNCO PETROLEUM CO. Humble State #1	8-5/8"	1594'	100								8"	5-1/2"	4212'	200	2908'-C	4686'
Humble State #2	8-5/8"	1585	125								8	7	4246	200	1312'-C	4572 PB
SUN OIL CO. "B" Lee State #1	13-3/8	342	275			8-5/8	3370	1150		270	7-7/8	5-1/2	8859	650	4060'-T	8859
"B" Lee State #3	13-3/8	328	275			8-5/8	3369	1150		200	7-7/8	5-1/2	8740	940	100'-T	8696 PB
"B" Lee State #4	13-3/8	334	275			8-5/8	3400	1000		500	7-7/8	5-1/2	9000	820	3920'-T	8965 PB
"B" Lee State #5	13-3/8	352	325			8-5/8	3416	1150		2100	7-7/8	5-1/2	9224	1000	250'-T	8819 PB
"B" Lee State #6	8-5/8	1513	550								6-3/4	4-1/2	4787	550	Circ -C	4787
"B" Lee State #7	8-5/8	1649	550								6-3/4	4-1/2	4772	650	Circ -C	4772
TEXACO INC. Vacuum Grayburg SA Unit	7-5/8	1600	700								6-3/4	4-1/2	4705	300	1030	4705
#2	8-5/8	884	200								6-3/4	5-1/2	4234	300	Circ	4635
#3	8-5/8	353	300								7-7/8	5-1/2	4800	500	Circ	4800
#4	8-5/8	357	300								7-7/8	4-1/2	4800	650	Circ	4800
#5 WTW	8-5/8	803	200								6-3/4	5-1/2	4135	300	Circ	4710
#10	8-5/8	1610	250									5-1/2	4126	200	2600	4668
#11	8-5/8	860	300								7-7/8	5-1/2	4067	300	1780	4600
#12	8-5/8	863	300								6-3/4	5-1/2	4154	300	Circ	4610
#13	8-5/8	354	250								7-7/8	5-1/2	4800	500	Circ	4800
#18	8-5/8	354	300								7-7/8	4-1/2	4700	650	Circ	4735
#19 WTW	8-5/8	353	300								7-7/8	5-1/2	4800	500	Circ	4800
#20	7-5/8	1593	300								6-3/4	5-1/2	4092	200	930	4710
#25	8-5/8	1536	300								6-3/4	5-1/2	4090	200	930	4710
#26	8-5/8	1538	200								6-3/4	5-1/2	4064	200	900	4710
#27	8-5/8	1503	300								6-3/4	5-1/2	4035	200	Circ	4710
#28	8-5/8	360	210									4-1/2	4710	650	2610	4750
#31 WTW	8-5/8	353	300								7-7/8	5-1/2	4800	500	Circ	4800
#32	8-5/8	367	300								7-7/8	4-1/2	4800	650	Circ	4800
#33 WTW	8-5/8	352	210								7-7/8	5-1/2	4800	550	Circ	4800
#34	8-5/8	357	300								7-7/8	4-1/2	4800	650	Circ	4800
#35 WTW	8-5/8	1593	300								6-3/4	5-1/2	4079	200	920	4710
#38	8-5/8	1590	300								6-3/4	5-1/2	4090	200	930	4710
#39	8-5/8	1559	300								6-3/4	5-1/2	4076	200	920	4710
#40	9-5/8	1534	350			7	4100	250		1720		5 1/2 Liner	4445	175	--	4710

* No well Diagram

WELL NAME AND NUMBER	SURFACE CASING				INTERMEDIATE CASING				PRODUCTION CASING				TOTAL DEPTH	INTERVAL	LOCATION N T R	GEODIC ELEVATION	OPEN HOLE SIZE
	Casing Size		Depth		Casing Size		Depth		Casing Size		Depth						
	Set	Top	Set	Top	Set	Top	Set	Top	Set	Top	Set	Top					
TEXACO INC. (Cont'd)																	
Vacuum Grayburg SA Unit (Cont'd)																	
#2	9-5/8"	1544'	350	70'	--	--	--	--	7"	4128'	250	1750'	4690'	4128-4690	G	1 18 34	
#3	8-5/8	1486	300	Circ	--	--	--	--	5-1/2	4090	200	930	4710	4090-4710	H	1 18 34	
#5	8-5/8	356	300	Circ	--	--	--	--	5-1/2	4800	500	1300	4800	4319-4697	H	2 18 34	
#7 WTW	8-5/8	355	300	Circ	--	--	--	--	4-1/2	4800	600	Circ	4800	4361-4739	H	2 18 34	
#8	8-5/8	355	300	Circ	--	--	--	--	5-1/2	4800	500	Circ	4800	4339-4730	F	1 18 34	
#9 WTW	8-5/8	358	300	Circ	--	--	--	--	4-1/2	4800	650	Circ	4800	4373-4731	F	1 18 34	
#50	8-5/8	354	300	Circ	--	--	--	--	5-1/2	4800	500	Circ	4800	4339-4743	G	1 18 34	
#53	8-5/8	1596	300	Circ	--	--	--	--	5-1/2	4171	250	220	4710	4171-4710	B	2 18 34	
#54	7-5/8	1554	300	Circ	--	--	--	--	5-1/2	4091	200	930	4710	4091-4710	A	2 18 34	
#55	8-5/8	1547	300	Circ	--	--	--	--	5-1/2	4082	250	2180	4710	4082-4710	D	1 18 34	
#56	7-5/8	1521	300	Circ	--	--	--	--	5-1/2	3968	200	810	4710	3968-4710	C	1 18 34	
#57	8-5/8	1515	325	Circ	--	--	--	--	5-1/2	4085	200	925	4710	4085-4710	B	1 18 34	
#58	7-5/8	1507	300	Circ	--	--	--	--	5-1/2	4078	200	930	4710	4078-4710	A	1 18 34	
New Mexico "AB" State																	
#1	8-5/8	1530	300	Circ	--	--	--	--	5-1/2	4070	200	878	4710	4070-4710	J	6 18 35	3975
#2	13-3/8	340	350	Circ	9-5/8	4830	900	253	4 1/2 Liner	9050	1025	Circ	9052	8710-8834	P	6 18 35	
#3	10-3/4	343	250	Circ	7-5/8	5404	900	Circ	4 1/2 Liner	8856	1100	Circ	8856	8253-8648	O	6 18 35	
#4	10-3/4	327	350	Circ	7-5/8	5228	900	Circ	4 1/2 Liner	9079	1100	Circ	9080	8208-8640	I	6 18 35	
#5	11-3/4	340	300	Circ	8-5/8	3070	1550	Circ	2-3/8 (Dual)	8850	1500	6200	8851	6300-6598	J	6 18 35	
#6	7-5/8	1552	650	Circ	--	--	--	--	3-1/2	4720	625	Circ	4720	8172-8794	I	6 18 35	3967
#7	7	1555	650	Circ	--	--	--	--	3-1/2	4750	625	Circ	4750	4654-4704	O	6 18 35	3972
#8	7-5/8	1555	700	Circ	--	--	--	--	4-1/2	4730	300	1103	4730	4637-4705	F	6 18 35	3966
New Mexico "AF" State																	
#1 P & A	8-5/8	825	300	Circ	--	--	--	--	5-1/2	4222	200	1061	5194	4222-5194	D	12 18 34	
#3 P & A	8-5/8	1620	750	Circ	--	--	--	--	5-1/2	4286	500	Circ	4286	4286-4555	B	11 18 34	
#4	8-5/8	3152	1200	Circ	--	--	--	--	2-7/8	8900	1250	Circ	8900	8408-8662	F	12 18 34	
#5	11-3/4	333	300	Circ	8-5/8	3255	1650	Circ	2-7/8	8950	1550	Circ	8950	8497-8603	K	12 18 34	
#6	11-3/4	393	300	Circ	8-5/8	3292	1650	1160	2-7/8	8949	1500	Circ	8950	8556-8621	L	12 18 34	
#7 TRO	11-3/4	327	450	Circ	9-5/8	3275	1750	Circ	2-7/8	9085	1550	Circ	9085	8348-8864	N	12 18 34	
#8 TRO	11-3/4	385	350	Circ	8-5/8	3270	1650	Circ	2-7/8	8948	1550	Circ	8950	8723-8820	H	11 18 34	
#9	11-3/4	367	350	Circ	8-5/8	3150	1650	Circ	2-7/8	9179	1700	11400	10192	8068-8820	C	12 18 34	
#10	11-3/4	322	550	Circ	8-5/8	3199	1650	Circ	2-7/8	8987	1600	2190	8990	8358-8572	E	12 18 34	
#12	11-3/4	393	350	Circ	8-5/8	3255	1650	Circ	2-7/8	8950	1550	Circ	8950	8243-8958	D	12 18 34	
#20	11-3/4	350	300	Circ	8-5/8	3584	1750	Circ	2-7/8	9050	1300	Circ	9050	8746-8969	M	12 18 34	
New Mexico "CG" State NCT-1																	
#1	8-5/8	1640	900	Circ	--	--	--	--	4-1/2	4700	300	2474	4700	4284-4624	H	30 17 35	3976
#2	11-3/4	1620	1000	Circ	--	--	--	--	2-7/8	6250	1200	Circ	6250	6101-6160	H	30 17 35	

* No well designations
? unknown - not on designations

WELL NAME AND NUMBER	SURFACE CASING				INTERMEDIATE CASING				PRODUCTION CASING				TOTAL DEPTH	INTERVAL	LOCATION			SPOT ELEVATION	CUMULATIVE SIZE	
	Casing Size		Depth		Casing Size		Depth		Casing Size		Depth				F	T	R			
	Set	Sx Cmt	Top Cement	Set	Set	Sx Cmt	Top Cement	Set	Set	Sx Cmt	Top Cement	Set					Sx Cmt			Top Cement
TEGOCO INC. (Cont'd)																				
New Mexico "CG" State NCT-2 #1	11-3/4"	1670'	1000	Circ	--	--	--	--	7-7/8"	2-7/8"	6250'	1000	Circ	6252'	F 29	17	35			
New Mexico "I" State #6	13-3/8	1510	1200	Circ	9-5/8	4800	1700	--	8-3/4	2-7/8	11318	1600	2490 - T	12255	B 1	15	34			
New Mexico "I" State #7	11-3/4	1510	1000	Circ	8-5/8	3350	350	1915	7-7/8	2-7/8	8750	1400	1635 - C	6750	A 1	18	34			
New Mexico "I" State #8	11-3/4	1490	1000	Circ	8-5/8	3400	1850	Circ	7-5/8	2-7/8	6800	1400	1732 - C	6800	G 1	15	34			
New Mexico "I" State #9	8-5/8	1462	650	Circ	--	--	--	--	7-5/8	2-7/8	6849	900	3250 - C	6850	H 1	18	34			
New Mexico "M" State #5	16 & 13-3/8	1504	1150	Circ	9-5/8	4788	1700	1973 - C	8-3/4	(Triple)	10215	2250	Circ - ?	12215	D 1	18	34			
New Mexico "M" State #7	13-3/8	1513	1100	Circ	9-5/8	4805	1700	Circ	8-3/4	2-7/8	10232	2087	1720 - T	12220	F 1	15	34			
New Mexico "M" State #8	10-3/4	1485	1200	Circ	7-5/8	3400	800	1835 - C	6-3/4	4 1/2 Liner	6248	600	Circ - ?	6250	C 1	18	34			
New Mexico "M" State #6 F&A	11-3/4	1550	1050	Circ	8-5/8	3400	350	537	7-5/8	4 1/2 Liner	6300	950	3820 - C	6300	C 1	18	34			
New Mexico "M" State #1	10-3/4	272	150	Circ	7-5/8	1574	200	175	6-3/4	5-1/2	4106	250	156 - C	4850	X 30	17	35	3181	4-3/4	
New Mexico "M" State #2	7-5/8	1572	300	Circ	--	--	--	--	6-3/4	5-1/2	4088	200	930 - C	4720	L 30	17	35	3282	4-3/4	
New Mexico "M" State #3	7-5/8	1613	450	Circ	--	--	--	--	6-3/4	5-1/2	4188	200	1030 - C	4750	E 30	17	35	3283	4-3/4	
New Mexico "M" State #4	7-5/8	1606	350	260	--	--	--	--	6-3/4	5-1/2	4190	200	2670 - C	4750	D 30	17	35	3283	4-3/4	
New Mexico "M" State #5	11-3/4	1550	1000	Circ	8-5/8	3320	350	1450 - C	7-7/8	2-7/8	6863	1400	Circ - ?	6863	M 30	17	35			
New Mexico "M" State #6	13-3/8	1576	1250	Circ	9-5/8	4800	1700	Circ	8-5/8	2-7/8	10300	1800	500 - C	10300	I 30	17	35			
New Mexico "N" State #7	11-3/4	1648	1000	Circ	8-5/8	3393	500	143 - C	7-5/8	2-7/8	6890	1400	Circ - ?	6890	E 30	17	35			
New Mexico "N" State #8	13-3/8	374	450	Circ	9-5/8	4800	500	Circ - ?	8-5/8	(Triple)	10300	1800	2835 - C	10300	D 30	17	35			
New Mexico "O" State NCT-1																				
New Mexico #1	10-3/4	249	175	Circ	7-5/8	1561	200	179	6-3/4	5-1/2	4088	230	507 - C	4720	E 36	17	34	4006	4-3/4	
New Mexico #2	10-3/4	258	200	Circ	7-5/8	1536	200	325	6-3/4	5-1/2	4093	250	208 - C	4750	H 36	17	34	4000	4-3/4	
New Mexico #3	10-3/4	258	200	Circ	7-5/8	1538	200	327	6-3/4	5-1/2	4094	250	204 - C	4742	G 36	17	34	4007	4-3/4	
New Mexico #4	10-3/4	254	200	Circ	7-5/8	1533	250	Circ	6-3/4	5-1/2	4099	200	987 - ?	4710	I 36	17	34	3955	4-3/4	
New Mexico #5	10-3/4	270	200	Circ	7-5/8	1549	250	Circ	6-3/4	5-1/2	4113	200	1001 - ?	4725	F 36	17	34	4003	4-3/4	
New Mexico #6	10-3/4	256	200	Circ	7-5/8	1539	250	Circ	6-3/4	5-1/2	4100	200	983 - ?	4725	J 36	17	34	3950	4-3/4	
New Mexico #7	7-5/8	1537	300	Circ	--	--	--	--	6-3/4	5-1/2	4099	200	987 - ?	4710	K 36	17	34	3955	4-3/4	
New Mexico #8	7-5/8	1540	300	Circ	--	--	--	--	6-3/4	5-1/2	4095	200	983 - ?	4710	M 36	17	34	4001	4-3/4	
New Mexico #9	7-5/8	1542	300	Circ	--	--	--	--	6-3/4	5-1/2	4070	200	983 - ?	4710	N 36	17	34	3991	4-3/4	
New Mexico #10	7-5/8	1548	280	Circ	--	--	--	--	6-3/4	5-1/2	4093	200	981 - ?	4710	O 36	17	34	3991	4-3/4	
New Mexico #11	13-3/8	350	350	Circ	10-3/4 & 9-5/8	4800	1600	Circ	8-3/4	4-1/2	12154	2300	2002 - ?	12155	F 36	17	34			

2-3/8 (dual)

WELL NAME AND NUMBER	SURFACE CASING				INTERMEDIATE CASING				PRODUCTION CASING				TOTAL DEPTH	INTERVAL	LOCATION	GROUND ELEVATION	OPEN HOLE SIZE		
	Casing Size	Depth	Sx	Omt	Top Cement	Casing Size	Depth	Sx	Omt	Top Cement	Csg Size	Depth						Sx	Omt
TEXACO INC. (Cont'd)																			
New Mexico "R" State NCT-1 (Cont'd)	11-3/4"	357'	350		Circ	8-5/8"	3080'	1600		Circ	7-5/8"	2-7/8"	8849'	1300	Circ	8850'	8275-3525	H 6 18 35	
New Mexico "R" State NCT-1 (Cont'd)	11-3/4"	360	400		Circ	8-5/8"	3032	1650		Circ	7-5/8"	2-7/8"	8847	1300	Circ	8850	8245-6348	G 6 18 35	
New Mexico "R" State NCT-1 (Cont'd)	11-3/4"	1515	1000		Circ	--	--	--		--	7-7/8"	2-7/8"	6850	1400	Circ	6850	6092-9224	A 6 18 35	
New Mexico "R" State NCT-1 (Cont'd)	11-3/4"	1500	900		Circ	--	--	--		--	6-3/4"	2-7/8"	6320	800	Circ	6322	6054-6124	G 6 18 35	
New Mexico "R" State NCT-1 (Cont'd)	10-3/4"	1474	1000		Circ	--	--	--		--	6-3/4"	2-7/8"	6150	1000	Circ	6150	5934-6125	B 6 18 35	
New Mexico "R" State NCT-1 (Cont'd)	10-3/4"	1497	800		Circ	--	--	--		--	6-3/4"	2-7/8"	6247	1200	Circ	6247	6078-6090	H 6 18 35	
New Mexico "R" State NCT-1 (Cont'd)	10-3/4"	1550	800		Circ	--	--	--		--	6-3/8"	2-7/8"	6248	1000	Circ	6250	5926-5946	B 2 18 34	
New Mexico "R" State NCT-2 #5	8-5/8"	1605	550		Circ	--	--	--		--	7-7/8"	4-1/2"	3332	150	Circ	3902	3332-3902	K 1 18 34	
New Mexico "R" State NCT-3 #14 P & A.	13-3/8"	355	400		Circ	9-5/8"	4800	1700		Circ	8-5/8"	2-7/8"	10200	2000	Circ	10200	8495-8706	P 1 18 34	
New Mexico "R" State NCT-3 #15 ASD	11-3/4"	402	350		Circ	8-5/8"	3250	1650		Circ	7-7/8"	2-7/8"	8800	1600	Circ	8800	Chut-In	I 1 18 34	
New Mexico "R" State NCT-3 #16 ASD	10-3/4"	336	300		Circ	8-5/8"	3128	750		Circ	7-5/8"	2-7/8"	8836	1180	Circ	8836	Chut-In	C 7 18 35	
New Mexico "R" State NCT-4 #1	11-3/4"	336	300		Circ	8-5/8"	3314	465		Circ	7-7/8"	2-7/8"	8793	1400	Circ	8800	4648-4656	D 7 18 35	
New Mexico "R" State NCT-4 #2	7-5/8"	1597	300		Circ	--	--	--		--	6-3/4"	5-1/2"	4102	200	Circ	4753	4604-4735	H 25 17 34	
New Mexico "T" State NCT-1 #1 P & A	8-5/8"	1638	1000		Circ	--	--	--		--	7-7/8"	2-7/8"	6799	800	Circ	6800	4102-4753	H 25 17 34	
New Mexico "T" State NCT-1 #2	7-5/8"	1598	800		Circ	--	--	--		--	7-1/4"	4-1/2"	4740	300	Circ	4740	P & A	H 25 17 34	
New Mexico "T" State NCT-1 #3	11-3/4"	1550	1000		Circ	--	--	--		--	7-7/8"	2-7/8"	6850	1400	Circ	6850	4449-4543	A 2 18 34	
New Mexico "U" State #3 ASD	13-3/8"	350	400		Circ	9-5/8"	4800	1700		Circ	8-3/4"	2-7/8"	10298	1800	Circ	10300	6011-6033	H 25 17 34	
Texaco-Mobil State Ccm #1	13-3/8"	390	400		Circ	9-5/8"	4800	1700		Circ	8-5/8"	2-7/8"	10199	2400	Circ	10200	9093-9239	J 25 17 34	
Texaco-Shell State #1	13-3/8"	390	400		Circ	9-5/8"	4800	1700		Circ	8-5/8"	2-7/8"	10199	2400	Circ	10200	9616-9937	J 25 17 34	
Yucca Salvage Co. State "A" #2	8-5/8"	1665	700		Circ	--	--	--		--	7-7/8"	4-1/2"	6877	900	Circ	6072 PB	10024-10035	C 24 17 34	

3

WELL NAME AND NUMBER	SURFACE CASING				INTERMEDIATE CASING				PRODUCTION CASING				TOTAL DEPTH	INTERVAL	LOCATION				
	Casing Size	Depth	Sx Cmt	Top Cement	Casing Size	Depth	Sx Cmt	Top Cement	Hole Size	Csg. Size	Csg. Wt.	Depth			Sx Cmt	Top Cement	UNIT	TOWNSHIP	RANGE
Crown Cement																			
Shell State B 1398 #2	✓	8 5/8"	320'	200	5 1/8"	—	—	—	7 7/8"	5 1/2"	4814'	250	3127	4799'	I	19	17	35	
EXXON																			
New Mexico "J" State #1	✓	12 1/2"	230'	200	Circ	8 5/8"	1556'	500	Circ	5 1/2"	4288'	275	2340	4725'	I	19	17	35	
"	"	10 3/4"	220'	125	Circ	7 7/8"	1691'	400	Circ	5 1/2"	4365'	275	515	4765'	I	"	"	"	
"	"	8 5/8"	1685'	850	Circ	NONE	OPEN HOLE	1689'-2820'	7 7/8"	5 1/2"	8738'	1625	Circ	8713'	I	"	"	"	
"	"	8 5/8"	1700'	800	Circ	—	—	—	7 7/8"	5 1/2"	8730'	1650	Circ	8706'	I	"	"	"	
"	"	8 5/8"	1705'	1075	Circ	—	—	—	7 7/8"	5 1/2"	8761'	1925	Circ	8718'	N	"	"	"	
"	"	320	320'	325	Circ	9 5/8"-10 3/4"	3209'	500	1359	4 1/2"	8858'	1600	2800	8606' AB	H	12	18	34	
"	"	3 1/2"	311'	325	Circ	9 5/8"	3183'	500	1343	4 1/2"	8858'	1600	2800	8594'-8650'	I	"	"	"	
"	"	3 1/2"	322'	325	Circ	8 5/8"	3203'	500	903	4 1/2"	9050'	1100	3550	8606' AB	J	"	"	"	
"	"	3 1/2"	313'	325	Circ	8 5/8"	3208'	600	620	4 1/2"	9500'	1250	2831	9500'	P	"	"	"	
"	"	3 1/2"	310'	325	Circ	8 5/8"	3220'	600	630	4 1/2"	9500'	1150	3159	9070'	G	"	"	"	
"	"	3 1/2"	319'	325	Circ	8 5/8"	3423'	650	413	4 1/2"	9029'	1150	3113	9025'	O	"	"	"	
"	"	302	302	325	Circ	8 5/8"	3403'	650	2200	4 1/2"	8858'	1150	2100	9000'	A	"	"	"	
"	"	309	309	325	Circ	8 5/8"	3350'	650	1800	4 1/2"	9025'	1150	2831	9025'	B	"	"	"	
"	"	311	311	325	Circ	8 5/8"	3422'	550	2320	4 1/2"	9025'	1300	2389	9070'	K	7	18	35	
"	"	322	322	325	Circ	8 5/8"	3351'	650	1800	4 1/2"	9025'	1150	2831	9025'	A	7	18	35	
Ge-Hy																			
State "AN"	# 1	13 3/4"	338'	350	Circ	8 5/8"	3299'	1400	580' (Temp)	7 7/8	8944'	700	3300' (Temp)	8945' 8736'-8818'	A	7	18	35	
"	# 2	13 3/4"	334'	525	Circ	8 5/8"	3298'	1400	1600 (Temp)	7 7/8	8948'	700	3300' (Temp)	8948' 8592'-8754'	B	"	"	"	
"	# 3	13 3/4"	334'	350	Circ	8 5/8"	3302'	1400	1650 (Temp)	7 7/8	8945'	750	3300' (Temp)	8945' 8519'-8772'	G	"	"	"	
"	# 4	13 3/4"	317'	350	Circ	8 5/8"	3324'	1400	Circ	7 7/8	9001'	650	Circ	9021' 8617'-8988'	H	"	"	"	
"	# 5	13 3/4"	317'	285	Circ	8 5/8"	3325'	1400	Circ	7 7/8	9098'	650	Circ	9100' 8710'-8773'	J	"	"	"	
"	# 6	13 3/4"	327'	310	Circ	8 5/8"	3316'	1650	Circ	7 7/8	9095'	867	Circ	9095' 8856'-8958'	O	"	"	"	
"	# 7	13 3/4"	335'	345	Circ	8 5/8"	1375'	1280	Circ	7 7/8	9095'	800	Circ	9095' 8750'-8821'	I	"	"	"	
"	# 8	13 3/4"	340'	350	Circ	9 5/8"	3458'	P4A @ 3340	8 3/4	11832	11832	P4A @ 5150	11240	P4A	P	"	"	"	
"	# 9	13 3/4"	344'	350	Circ	8 5/8"	41957'	P4A @ 8151	8 3/4	11792	11792	P4A @ 5990	11200	P4A	I	"	"	"	

WELL NAME AND NUMBER	SURFACE CASING				INTERMEDIATE CASING				PRODUCTION CASING				TOTAL DEPTH	INTERVAL	LOCATION				
	Casing Size	Depth	Sx	Cmt	Casing Size	Depth	Sx	Cmt	Hole Size	Csg. Size	Depth	Sx			Cmt	UNIT	SEC.	Township	RANGE
Gatty																			
State AN #10	13 3/8	344	350	CIRC	8 7/8	4850	1471	P84 @ 206	7 3/8	5 1/2	9012	575	P84 @ 2123	P84 A	P	7	18	35	
" #11	8 7/8	402	225	CIRC	—	—	—	—	7 3/8	5 1/2	4849	1000	850 (Temp)	4657-4727	B	"	"	"	
" BA #1	12 1/2	242	170	CIRC	9 5/8	1545	250	644	8 1/4	7	4100	200	1985	4760 4100-4760	A	36	17	34	
" #2	13 3/8	252	150	CIRC	9 5/8	1539	250	CIRC	8 1/4	7	4098	200	1982	4650 4098-4650	B	"	"	"	
" #3	13 3/8	268	150	CIRC	9 5/8	1523	200	101	8 1/4	7	4100	300	927	4705 4100-4705	D	"	"	"	
" #4	13 3/8	268	200	CIRC	9 5/8	1526	300	CIRC	8 1/4	7	4094	300	927	4700 4094-4700	C	"	"	"	
" #5	9 5/8	1533	645	CIRC	—	—	—	—	8 3/4	8 3/8 (Qual)	6710	1185	1875 (Temp)	5951-6118 & 6327-6444	D	"	"	"	
" #6	13 3/8	421	404	CIRC	9 5/8	4825	2080	110 (Temp)	8 3/4	7	12109	850	5675 (Temp)	12110 9902-10016 & 10121-10124	D	"	"	"	
" #7	9 5/8	1517	700	89 (TAG)	—	—	—	—	8 3/4	8 3/8 (Qual)	6750	1667	1900 (Temp)	5906-6150 & 6424-6236	C	"	"	4	
" #8	13 3/8	399	350	CIRC	9 5/8	4837	3550	CIRC	8 1/4	7	10487	1480	2000 (Temp)	10490 5004-9100 & 9948-10126	B	"	"	"	
" #9	9 5/8	1537	700	CIRC	—	—	—	—	8 3/4	8 3/8 (Qual)	6791	1015	2300 (Temp)	6800 4605-4722 & 6077-6186	B	"	"	"	
" #10	8 5/8	1542	600	CIRC	—	—	—	—	7 3/8	5 1/2	6829	1576	1000 (Temp)	6830 6023-6119	A	"	"	"	
" #1	16	172	150	CIRC	10 3/4	1535	200	390	8 1/4	7	4109	300	1288	4545 4109-4545	C	31	17	35	
" #2	8 5/8	1615	800	CIRC	—	—	—	—	7 3/8	5 1/2	6800	650	2480 (Temp)	6800 5988-6048	"	"	"	"	
Marathon									6 1/8	4 1/2 (liner)	4670	100	3904 (Temp)	4705 4620-4725	N	25	17	34	
McCallister State #1	10 3/4	560	250	CIRC	7"	4097	700	CIRC	6 1/4	4 1/2 (liner)	4787	80	CIRC	4787 4690-4736	K	"	"	"	
" #2	10 3/4	492	250	CIRC	7	4090	700	CIRC	6 1/4	4 1/2 (liner)	4732	80	CIRC	4734 4666-4763	M	"	"	"	
" #3	9 5/8	494	250	CIRC	7	4096	700	CIRC	6 1/4	4 1/2 (liner)	4780	90	CIRC	4780 4623-4747	L	"	"	"	
" #4	9 5/8	497	200	CIRC	7	4099	700	CIRC	6 1/4	4 1/2 (liner)	12193	1335	3470 (Temp)	12125 9848-9951	M	"	"	"	
" #5	16	380	675	CIRC	10 3/4	5000	3758	CIRC	8 3/4	7	6799	3300	240 (Temp)	6800 5968-6017	L	"	"	"	
" #6	9 5/8	364	300	CIRC	—	—	—	—	7 3/8	5 1/2	12110	1500	4405 (Temp)	12125 5064-10122	N	"	"	"	
" #7	16	371	475	CIRC	10 3/4	5006	3080	CIRC	8 3/4	7	6798	2500	245 (Temp)	6800 5913-5991	M	"	"	"	
" #8	9 5/8	360	350	CIRC	—	—	—	—	7 3/8	5 1/2	6798	2420	200 (Temp)	6800 6003-6014	K	"	"	"	
" #9	9 5/8	1555	650	CIRC	—	—	—	—	7 3/8	5 1/2	6799	2100	1800 (Temp)	6800 6016-6262	N	"	"	"	
" #10	8 5/8	1549	1177	CIRC	—	—	—	—	7 3/8	5 1/2	4758	110	CIRC	4762 4419-4662	N	"	"	"	
Stephen State #1	9 5/8	505	250	CIRC	7	4102	700	CIRC	6 1/4	4 1/2 (liner)	4710	994 @ 3900	P84 A	P84 A	N	30	17	35	
" #2	9 5/8 (P84)	497	125	CIRC	7	4082	P84 @ 650	—	6 1/8	4 1/2 (liner)	4710	994 @ 3900	P84 A	P84 A	K	"	"	"	

60408

WELL NAME AND NUMBER	SURFACE CASING				INTERMEDIATE CASING				PRODUCTION CASING				TOTAL DEPTH	INTERVAL	UNIT	SEC.	TOWNSHIP	RANGE		
	Casing Size	Csg. Wt.	Depth Set	Sx Cmt	Top Cement	Casing Size	Csg. Wt.	Depth Set	Sx Cmt	Top Cement	Hole Size	Csg. Size							Csg. Wt.	Depth Set
Marathon																				
Staphin State #1	9 5/8	X	497	175	circ	7		4092	PdA 686		6 1/2	4 1/2	4710	PdA 3900	4707	PdA	30	17	35	
" " #3	7		1503	650	circ	—					6 1/4	4 1/2	6418	980	circ	6150	6076-6078	"	"	
" " #4	7		1503	675	circ	—					6 1/4	4 1/2	6448	900	circ	6150	6060-6086	"	"	
" " #5	8 5/8		543	370	circ	—					7 3/8	5 1/2	4739	1500	circ	4750	4472-4553	"	"	
Warr State #1	9 5/8		506	400	circ	—					8 1/4	7	4100	800	circ	4664	4105-4664	31	17	35
" " #2	9 5/8		517	200	circ	—					8 3/4	7	4098	700	circ	4750	4400-4660	"	"	"
" " #3	13 3/8		356	375	circ	9 5/8		5002	2650	1100	8 3/4	2 1/4 (Top)	10447	1400	2965	10301	9122-10146	"	"	"
" " #4	8 5/8		1503	1130	circ	—					6 3/4	4 1/2	6250	1600	1685	6250	6005-6114	"	"	"
" " #5	7		1503	650	circ	—					6 1/4	4 1/2	6245	1000	190	6250	6039-6074	"	"	"
" " #1	10 3/4		497	295	circ	—					8 3/4	7	4098	700	circ	4675	4098-4664	6	18	35
" " #2	9 5/8		497	250	circ	—					8 3/4	7	4099	700	circ	4675	4099-4675	"	"	"
" " #3	9 5/8		498	200	circ	—					8 1/4	5 1/2	4105	800	circ	4650	4105-4650	"	"	"
" " #4	9 5/8		500	220	circ	—					8 1/4	5 1/2	4085	800	circ	4650	4085-4650	"	"	"
" " #5	10 3/4		504	800	circ	5 1/2		4096	600	1316	6	4 (Liner)	4695	100	4294	41695	4552-4589	"	"	"
" " #6	10 3/4		495	200	circ	—					8 1/2	5 1/2	41097	400	PdA 700	4690	PdA	"	"	"
" " #7	10 3/4		503	200	circ	—					8 3/4	5 1/2	4395	400	2657	4683	4395-4683	"	"	"
" " #8	13 3/8		357	350	circ	9 5/8		3199	1440	circ	8 3/4	5 1/2	8866	850	7720	8867	8458-8720	"	"	"
" " #9	13 3/8		356	350	circ	9 5/8		3159	1400	circ	8 1/4	5 1/2	8769	850	2915	8771	8423-8702	"	"	"
" " #10	13 3/8		371	315	circ	9 5/8		3307	1540	circ	7 3/8	5 1/2	8868	560	6155	8870	8494-8781	"	"	"
" " #11	13 3/8		365	350	circ	8 5/8		3400	1500	circ	7 3/8	5 1/2	8797	1255	745	8799	8485-8655	"	"	"
" " #12	7		1503	650	circ	—					6 1/4	4 1/2	6250	1000	1540	6250	5946-6142	"	"	"
" " #13	7		1514	700	circ	—					6 1/4	4 1/2	6286	1000	245	6287	6027-6170	"	"	"
" " #14	8 5/8		1502	1000	circ	—					7 3/8	5 1/2	6249	1280	circ	6250	5951-6123	"	"	"
" " #15	7		1425	650	circ	—					6 1/4	4 1/2	6283	1150	circ	6285	6046-6155	"	"	"
" " #16	8 5/8		1498	915	circ	—					7 3/8	5 1/2	4816	1700	circ	4825	4521-4622	"	"	"
" " #17	8 5/8		1499	700	circ	—					7 3/8	5 1/2	4720	800	1500	4720	4447-4604	"	"	"

WELL NAME AND NUMBER	SURFACE CASING				INTERMEDIATE CASING				PRODUCTION CASING				TOTAL DEPTH	INTERVAL	LOCATION ~			RANGE	
	Casing Size	Depth	Sx Cmt	Top Cement	Casing Size	Depth	Sx Cmt	Top Cement	Hole Size	Csg. Size	Depth	Sx Cmt			Top Cement	UNIT	SEC.		Township
Crown Central																			
Shall State B1398 #2	8 5/8"	320'	200	Circ	—	—	—	—	7 7/8"	5 1/2"	4214'	250	3127	4733'	4474'-4734'	I	19	17	35
Exxon																			
New Mexico "J" State #1	12 3/4"	230'	200	Circ	8 5/8"	1556'	500	Circ	7 7/8"	5 1/2"	4228'	275	2340	4725'	P 5 A	I	19	17	35
" " " #2	10 3/4"	220'	125	Circ	7 7/8"	1651'	400	Circ	6 3/4"	5 1/2"	4365'	275	515	4765'	P 5 A	I	"	"	"
" " " #3	8 5/8"	1685'	850	Circ	none	0224' 1402'	1685'-2820'	—	7 7/8"	5 1/2"	8738'	1625	Circ	8713'	8812'-8730'	M	"	"	"
" " " #4	8 5/8"	1750'	850	Circ	—	—	—	—	7 7/8"	5 1/2"	8730'	1650	Circ	8706'	8648'-8734'	L	"	"	"
" " " #5	8 5/8"	1705'	1075	Circ	—	—	—	—	7 7/8"	5 1/2"	8761'	1650	Circ	8706'	8648'-8734'	N	"	"	"
" " " #1	13 3/8"	320'	325	Circ	9 5/8"-10 3/4"	3209'	500	1359	6 1/4"	4 1/2"	8761'	1925	Circ	8718'	8520'-8750'	H	12	18	34
" " " #2	13 3/8"	311'	325	Circ	9 5/8"	3183'	500	1343	8 3/4"	4 1/2"	8808'	1600	8800	8800 AB	8594'-8650'	I	"	"	"
" " " #3	13 3/8"	322'	325	Circ	8 5/8"	3203'	500	903	7 7/8"	4 1/2"	9050'	1100	3550	8800 AB	8531'-8660'	J	"	"	"
" " " #4	13 3/8"	313'	325	Circ	8 5/8"	3208'	600	528	7 7/8"	4 1/2"	9500'	1200	2831	9500'	P 5 A	P	"	"	"
" " " #5	13 3/8"	310'	325	Circ	8 5/8"	3280'	600	630	7 7/8"	4 1/2"	9020'	1150	3159	9020'	8484'-8592'	G	"	"	"
" " " #6	13 3/8"	319'	325	Circ	8 5/8"	3203'	650	413	7 7/8"	4 1/2"	9024'	1150	3113	9025'	P 5 A	O	"	"	"
" " " #7	13 3/8"	302'	325	Circ	8 5/8"	3203'	650	2200	7 7/8"	4 1/2"	8996'	1150	2100	9000'	8620'-8953'	A	"	"	"
" " " #8	13 3/8"	309'	325	Circ	8 5/8"	3258'	650	1800	7 7/8"	4 1/2"	9025'	1150	2850	9025'	8453'-8670'	B	"	"	"
" " " #1	13 3/8"	311'	325	Circ	8 5/8"	3222'	550	2300	7 7/8"	4 1/2"	9020'	1320	2387	9020'	8502'-8600'	K	7	11	35
" " " #2	13 3/8"	322'	325	Circ	8 5/8"	3254'	650	1800	7 7/8"	4 1/2"	9000'	1150	3089	9000'	8350'-8771'	N	7	18	35
Geetha																			
State "AN"	13 3/8"	338'	350	Circ	8 5/8"	3299'	1400	580 (Temp)	7 7/8"	5 1/2"	8944'	700	3300 (Temp)	8945 8736-8818	A	7	18	35	
" " " #2	13 3/8"	334'	525	Circ	8 5/8"	3298'	1400	1600 (Temp)	7 7/8"	5 1/2"	8898'	700	3300 (Temp)	8903 8592-8754	B	"	"	"	"
" " " #3	13 3/8"	334'	350	Circ	8 5/8"	3300'	1600	1650 (Temp)	7 7/8"	5 1/2"	8875'	750	3300 (Temp)	8800 8513-8872	G	"	"	"	"
" " " #4	13 3/8"	317'	350	Circ	9 5/8"	3334'	1900	Circ	7 7/8"	5 1/2"	9001'	650	Circ	9001 8617-8988	H	"	"	"	"
" " " #5	13 3/8"	317'	285	Circ	8 5/8"	3325'	1900	Circ	7 7/8"	5 1/2"	9098'	650	Circ	9100 8710-8773	J	"	"	"	"
" " " #6	13 3/8"	327'	310	Circ	8 5/8"	3316'	1650	Circ	7 7/8"	5 1/2"	9095'	857	Circ	9100 8710-8773	I	"	"	"	"
" " " #7	13 3/8"	335'	345	Circ	8 5/8"	1375'	1280	Circ	7 7/8"	5 1/2"	9020'	800	3150 (Temp)	9000 8750-8821	O	"	"	"	"
" " " #8	13 3/8"	340'	350	Circ	9 5/8"	3458'	P 4 A	C 3340'	8 3/4"	4 1/2" 8 3/4"	11832'	P 4 A	C 5150'	11040'	P 4 A	I	"	"	"
" " " #9	13 3/8"	344'	350	Circ	8 5/8"	41857'	P 4 A	C 8101'	7 7/8"	5 1/2"	11792'	P 4 A	C 5990'	11800'	P 4 A	I	"	"	"

WELL NAME AND NUMBER	SURFACE CASING				INTERMEDIATE CASING				PRODUCTION CASING				TOTAL DEPTH	INTERVAL	UNIT	SEC.	Township	RANGE		
	Casing Size	Csg. Wt.	Depth Set	Sx Cmt	Top Cement	Casing Size	Csg. Wt.	Depth Set	Sx Cmt	Top Cement	Csg. Wt.	Depth Set							Sx Cmt	Top Cement
Bridge State #97	10 3/4"	837'	217	-	-	-	-	-	-	-	8 3/4"	4200'	217	2940'	4744'	4200'-4744'	L	26	17	34
Bridge State #99	10 3/4"	824'	250	-	4320'	210	2784'	-	-	-	6 1/4"	4675'	400	CIRC	4680'	4520'-4574'	K	24	17	34
Bridge State #102	10 3/4"	830'	250	-	4245'	220	2635'	-	-	-	6 1/4"	6800'	225	CIRC	6268' PB	6016'-6064'	M	24	17	34
Bridge State #97	8 5/8"	1567'	850	-	-	-	-	-	-	-	7 3/8"	6750'	1575	2640'	6330' PB	5974'-6038'	P	26	17	34
Bridge State #99	9 5/8"	1572'	610	-	-	-	-	-	-	-	8 3/4"	6750'	2432	CIRC	6681' PB	6551'-6638'	I	26	17	34
Bridge State #102	8 5/8"	1565'	800	-	-	-	-	-	-	-	7 3/8"	6200'	2380	CIRC	6171' PB	6031'-6050'	G	25	17	34
Bridge State #103	8 5/8"	1514'	900	-	-	-	-	-	-	-	7 3/8"	6200'	3255	CIRC	6139' PB	5982'-6053'	E	25	17	34
Bridge State #105 (new)	8 5/8"	1516'	900	-	-	-	-	-	-	-	7 3/8"	6150'	1865	CIRC	4560' PB	4448'-4542'	A	26	17	34
Bridge State #106	8 5/8"	1512'	850	-	-	-	-	-	-	-	7 3/8"	6147'	2765	CIRC	6150'	6032'-6077'	C	25	17	34
Bridge State #108	13 3/8"	365'	300	-	5000'	2600	CIRC	-	-	-	8 3/4"	10300'	1250	CIRC	10130' PB	10034'-10057'	F	25	17	34
Bridge State #110	8 5/8"	1592'	900	-	-	-	-	-	-	-	7 3/8"	6200'	1500	CIRC	6167' PB	6030'-6080'	B	25	17	34
Bridge State #111	9 5/8"	1585'	900	-	-	-	-	-	-	-	8 3/4"	6190'	1800	CIRC	6152' PB	5982'-6033'	F	25	17	34
Bridge State #113	8 5/8"	1625'	800	-	-	-	-	-	-	-	7 3/8"	6225'	2440	CIRC	6204' PB	6035'-6123'	E	24	17	34
Bridge State #117	8 5/8"	1640'	700	-	-	-	-	-	-	-	7 3/8"	6210'	2200	2300'	6179' PB	6089'-6145'	K	24	17	34
Bridge State #115	8 5/8"	1608'	975	-	-	-	-	-	-	-	7 3/8"	6242'	1945	-	6242'	P E A	A	25	17	34
Bridge State #117 (new)	8 5/8"	1620'	800	-	-	-	-	-	-	-	7 3/8"	4848'	1400	CIRC	4800' PB	4484'-4745'	M	24	17	34
Bridge State #117 (new)	8 5/8"	365'	275	-	-	-	-	-	-	-	7 3/8"	4872'	1750	CIRC	4712'	4502'-4712'	E	26	17	34
Bridge State #117 (new)	8 5/8"	361'	450	-	-	-	-	-	-	-	7 3/8"	4800'	1550	825'	4800'	4507'-4587'	F	26	17	34
Bridge State #117 (new)	8 5/8"	415'	400	-	-	-	-	-	-	-	7 3/8"	4850'	1600	CIRC	4802' PB	4709'-4758'	F	25	17	34
Bridge State #176	8 5/8"	349'	400	-	-	-	-	-	-	-	8 3/4"	4850'	1600	CIRC	4828' PB	4438'-4715'	I	26	17	34
Bridge State #177	9 5/8"	445'	450	-	-	-	-	-	-	-	8 3/4"	4850'	1600	500'	4850'	4456'-4485'	E	25	17	34
Bridge State #178	10 3/4"	367'	400	-	-	-	-	-	-	-	8 3/4"	4850'	1600	550'	4811' PB	4428'-4736'	P	26	17	34
Bridge State #180	9 5/8"	358'	350	-	-	-	-	-	-	-	8 3/4"	13816'	2750	CIRC	9000' PB	8378'-8451'	P	26	17	34
North Vincon Rd Unit # 95 (new)	13 3/8"	365'	350	-	4400'	2400	CIRC	-	-	-	8 3/4"	11515'	1150	CIRC	8538' PB	8377'-8459'	H	26	17	34
"	"	362'	350	-	4400'	1732	CIRC	-	-	-	9 5/8"	10217'	1732	CIRC	8414'-8558'	9985'-10119'	J	26	17	34
"	"	362'	350	-	4400'	1732	CIRC	-	-	-	9 5/8"	11657'	11657'	11657'	11468'-11508'					
Two Samplings 2 7/8"																				

WELL NAME AND NUMBER

SURFACE CASING

INTERMEDIATE CASING

PRODUCTION CASING

TOTAL DEPTH

INTERVAL

LOCATION

WELL NAME AND NUMBER	SURFACE CASING				INTERMEDIATE CASING				PRODUCTION CASING				TOTAL DEPTH	INTERVAL	LOCATION		
	Casing Size	Csg. Wt.	Depth Set	Sx Cmt	Top Cement	Casing Size	Csg. Wt.	Depth Set	Sx Cmt	Top Cement	Hole Size	Csg. Wt.	Depth Set	Sx Cmt	UNIT	SEC.	Township
North Vassar, Abo Unit #104	13 3/8"		365'	300	CIRC	9 5/8"		5000'	5025		8 3/4"	7" Liner	10200'	1375'	B	25-	17
"	"	" #109 (new)	365'	350	CIRC	9 5/8"		4880'	2600	1900'	8 3/4"	7" Liner	10236'	1125'	A	24	17
"	"	" #112	380'	350	CIRC	9 5/8"		5000'	2600	475'	8 3/4"	7" Liner	10228'	1000'	D	25	17
"	"	"	372'	350	CIRC	9 5/8"		4971'	2300	605'	8 3/4"	7" Liner	10436'	965'	L	24	17
"	"	"	1725'	1300	CIRC						7 7/8" 5 1/2"		8700'	3100'	D	26	17
"	"	"	1655'	1300	CIRC						7 7/8" 5 1/2"		8700'	3100'	B	26	17
"	"	"	1615'	1200	CIRC						7 7/8" 5 1/2"		8700'	3100'	L	26	17
"	"	" #153 (new)	1600'	1000	CIRC						7 7/8" 5 1/2"		8700'	3100'	N	26	17
"	"	"	370'	350	CIRC	9 5/8"		4975'	2400	CIRC	8 3/4"	7" Liner	10359'	1090'	D	24	17
"	"	"	336'	350	CIRC	9 5/8"		5000'	2260	1190'	8 3/4"	7" Liner	10399'	900'	B	24	17
"	"	"	352'	290	CIRC	8 5/8"		5000'	720	2430'	7 7/8" 4 1/2"		8653'	585'	H	24	17
"	"	"	397'	400	CIRC	8 5/8"		5000'	1550	CIRC	7 7/8" 5 1/2"	7" Liner	9386'	750'	J	24	17
"	"	" #212 (new)	353'	400	CIRC	9 5/8"		5016'	2403	580'	8 3/4"	7" Liner	10200'	1350'	N	24	17
"	"	" #218 (new)	253'	400	CIRC	8 5/8"		3070'	1400	CIRC	7 7/8" 5 1/2"		8600'	2000'	F	25	17
"	"	" #222	263'	400	CIRC	8 5/8"		3022'	1765	CIRC	7 7/8" 5 1/2"		8660'	1600'	J	24	17
SANTA FE #10 (new)	9 5/8"		1615'	860	CIRC	7"		4413'	400		6 1/2" 5" Liner		4703'	350'	C	24	17
SANTA FE #1	10 3/4"		1497'	300	CIRC						8 3/4" 7"		4408'	250'	B	24	17
"	"	"	828'	231	CIRC						8 3/4" 7"		4350'	231'	H	24	17
"	"	"	826'	250	CIRC						8 3/4" 7"		4331'	220'	G	24	17
STATE #1	16"		237'	200	CIRC						8 3/4" 7"		4107'	200'	D	31	17
"	"	"	1568'	800	CIRC						7 7/8" 4 1/2"		6280'	2200'	N	31	17
STATE #1	10 3/4"		473'	650	CIRC						8 3/4" 7"		4060'	470'	L	36	17
"	"	"	1520'	685	CIRC						8 3/4" 7"		6450'	2285'	L	36	17
Santa Fe #1	10 3/4"		780'	176	CIRC						8 3/4" 7"		4080'	179'	J	31	17
"	"	"	1600'	331							8 3/4" 7"		4210'	226'	J	31	17
"	"	"	791'	225	CIRC						9" 7"		4020'	245'	H	31	17
"	"	"	1572'	900	CIRC						7 7/8" 5 1/2"		6298'	1800'	Z	31	17

511117 (2)

WELL NAME AND NUMBER

SURFACE CASING

INTERMEDIATE CASING

PRODUCTION CASING

TOTAL DEPTH

INTERVAL

LOCATION ~

WELL NAME AND NUMBER	SURFACE CASING			INTERMEDIATE CASING			PRODUCTION CASING			TOTAL DEPTH	INTERVAL	UNIT	SEC.	TOWNSHIP	RANGE
	Casing Size	Csg. Wt.	Depth Set	Sx Cmt	Top Cement	Casing Size	Csg. Wt.	Depth Set	Sx Cmt	Top Cement					
STATE "K" # 8	8 5/8"		1574'	900	CIRC						6076'-6117'	A	31	12	35
" " # 9	8 5/8"		1545'	900	CIRC						6007'-6065'	J	31	12	35
STATE "P" # 3	9 5/8"		1696'	300	CIRC						4565'-48	B	26	12	35
" " # 4	9 5/8"		1714'	300	66'						4207'-4560'	A	26	12	35
STATE "CC" # 1	16"		360'	360	CIRC	10 3/4"		4967'	2125	715'	12080'	L	36	12	35
STATE "DD" # 1	13 3/8"		370'	350	CIRC	9 5/8"		5000'	3525	CIRC	5287'-5220'	O	31	12	35
PHILLIPS PETROLEUM CO.															
M.E. HALL # 1	9 5/8"		1571'	250	694'	7"		4289'	400	1362'	4648'	I	35	12	35
" " # 3	9 5/8"		1491'	400	CIRC						4095'-4552'	A	35	12	35
" " # 5	9 5/8"		1544'	900	CIRC						4088'-4629'	J	35	12	35
" " # 6	9 5/8"		1523'	635	CAL						4092'-4221'	O	35	12	35
" " # 7	9 5/8"		1528'	642	CIRC						5228'-5246'	J	35	12	35
" " # 8	13 3/8"		320'	350	CIRC	9 5/8"		3250'	400	2500'	4639'-4670'	A	35	12	35
" " # 9	13 3/8"		323'	350	CIRC	9 5/8"		3400'	400	2500'	4800'-48	J	35	12	35
" " # 10	8 5/8"		1600'	700	CAL						4501'-4588'	O	35	12	35
STATE "F" # 1	13 3/8"		252'	250	CAL	9 5/8"		1530'	275	564'	4104'-4665'	E	31	12	35
" " # 2	13"		255'	225	CIRC	9 5/8"		1541'	275	664'	4554'-4683'	F	31	12	35
" " # 3	9 5/8"		1524'	875	CIRC						4104'-4685'	O	30	12	35
" " # 4	13"		255'	200	CAL	9 5/8"		1508'	275	637'	4144'-4650'	E	5	12	35
" " # 5	13"		255'	200	CIRC	9 5/8"		1526'	275	664'	4100'-4748'	O	31	12	35
" " # 6	9 5/8"		1548'	875	CIRC						4822'-4882	O	37	12	35
" " # 7	9 5/8"		1572'	875	CIRC						4822'-4882	O	37	12	35
" " # 8	9 5/8"		1591'	875	CIRC						4822'-4882	O	37	12	35
" " # 9	9 5/8"		1561'	650	CIRC						4822'-4882	O	37	12	35
" " # 10	9 5/8"		1548'	875	CIRC						4822'-4882	O	37	12	35
" " # 11	9 5/8"		1572'	875	CIRC						4822'-4882	O	37	12	35
" " # 12	9 5/8"		1591'	875	CIRC						4822'-4882	O	37	12	35
" " # 13	9 5/8"		1561'	650	CIRC						4822'-4882	O	37	12	35

5/14/11 (10)

WELL NAME AND NUMBER

SURFACE CASING

INTERMEDIATE CASING

PRODUCTION CASING

TOTAL DEPTH

INTERVAL

LOCATION

WELL NAME AND NUMBER	SURFACE CASING			INTERMEDIATE CASING			PRODUCTION CASING			TOTAL DEPTH	INTERVAL	UNIT	SEC.	TOWNSHIP	RANGE
	Casing Size	Csg. Wt.	Depth Set	Sx Cmt	Top Cement	Casing Size	Csg. Wt.	Depth Set	Sx Cmt	Top Cement					
Santa Fe #52	8 5/8"		1625'	1000	CAPC			4448'	1000	1050'	4448'-9650'	M	29	17	35
"	8 5/8"		320'	185	CAPC			4253'	350	2800'	4341'-9696'	C	29	17	35
"	8 5/8"		1699'	500	CAPC			4410'	950	CAPC	4440'-4770'	D	29	17	35
"	13 3/8"		312'	350	CAPC	9 5/8"		10500'	1110	5600'	6030'-6042', 9162'-9300'	I	31	17	35
"	8 5/8"		1585'	700	CAPC			6904'	1083	1500'	6851'-6039'-6140'	E	31	17	35
"	8 5/8"		1600'	700	CAPC			6255'	800	3000'	4586'-4633'	C	5	18	35
"	8 5/8"		1595'	700	CAPC			6250'	800	2900'	6185'-6132'	D	5	18	35
"	8 5/8"		1598'	640	CAPC			6200'	800	2500'	6154'-6074'	O	30	17	35
"	8 5/8"		1620'	640	CAPC			6200'	600	2550'	6158'-6102'	I	30	17	35
"	8 5/8"		1580'	700	CAPC			6200'	800	2300'	6030'-6174'	O	31	17	35
"	8 5/8"		1667'	640	CAPC			6225'	750	2250'	6004'-6135'	K	29	17	35
"	8 5/8"		1530'	650	CAPC			6250'	800	2600'	4592'-4611'	E	5	18	35
"	8 5/8"		403'	350	CAPC			4686'	275	2700'	4472'-4660'	F	5	18	35
"	8 5/8"		397'	350	CAPC			4750'	275	2050'	4454'-4547'	O	30	17	35
"	8 5/8"		1688'	600	CAPC			8982'	2050	2200'	8626'-8729'	D	29	17	35
"	8 5/8"		390'	375	CAPC			4435'	300	2710'	4385'-4762'	F	5	18	35
Vacuum Pk Unit #1-59	13 3/8"		323'	350	CAPC	8 5/8"		8982'	545	3600'	8544'-8742'	F	5	18	35
"	13 3/8"		318'	350	CAPC	8 5/8"		8989'	555	2300'	8231'-8813'	E	5	18	35
"	13 3/8"		316'	270	CAPC	8 5/8"		5008'	660	2500'	8250'-8850'	K	5	18	35
"	13 3/8"		300'	300	CAPC	8 5/8"		5062'	724	2000'	8500'-8795'	M	5	18	35
"	13 3/8"		313'	190	CAPC	8 5/8"		9107'	450	5600'	8561'-8820'	N	5	18	35
"	13 3/8"		308'	305	CAPC	8 5/8"		9045'	925	1293'	8226'-8800'	D	8	18	35
"	13 3/8"		314'	310	CAPC	8 5/8"		8965'	775	2860'	8885'-8835'	C	8	18	35
"	13 3/8"		318'	320	CAPC	8 5/8"		9010'	775	3188'	8848'-8905'	E	8	18	35
SHELL OIL CO.															
Santa Fe #1	8 5/8"		1538'	600	CAPC			4274'	275	2414'	4410'-4440'	B	31	17	35
"	8 5/8"		1533'	600	CAPC			4276'	275	2416'	4428'-4662'	G	31	17	35
"	8 5/8"		1536'	600	CAPC			4270'	275	2414'	4420'-4630'	H	31	17	35

WELL NAME AND NUMBER	SURFACE CASING					INTERMEDIATE CASING					PRODUCTION CASING					TOTAL DEPTH	INTERVAL	UNIT	SEC.	TOWNSHIP	RANGE
	Casing Size	Csg. Wt.	Depth Set	Sx Cmt	Top Cement	Casing Size	Csg. Wt.	Depth Set	Sx Cmt	Top Cement	Casing Size	Csg. Wt.	Depth Set	Sx Cmt	Top Cement						
STATE "A" #4	8 5/8"		1558'	600	CIRC																
" " #5	13 3/8"		293'	300	CIRC	9 5/8"		2982'	1250												
" " #6	8 5/8"		1557'	600	CIRC																
" " #7	8 5/8"		1665'	800	CIRC																
" " #8	8 5/8"		1575'	800	CIRC																
STATE "B" #1	8 5/8"		1575'	600	CIRC																
" " #2	8 5/8"		1629'	600	CIRC																
" " #3	8 5/8"		1650'	800	CIRC																
" " #4	8 5/8"		1611'	800	CIRC																
STATE "D" #1	8 5/8"		1493'	600	CIRC																
" " #2	8 5/8"		1562'	700	CIRC																
STATE "E" #1	8 5/8"		1483'	600	CIRC																
" " #2	13 3/8"		332'	300	CIRC	9 5/8"		3285'	475	CIRC											
STATE "F" #1	8 5/8"		1525'	600	CIRC																
" " #2	8 5/8"		1584'	600	CIRC																
" " #3	8 5/8"		1657'	800	CIRC																
" " #4	8 5/8"		1593'	800	CIRC																
STATE "H" #1	8 5/8"		1596'	600	CIRC																
" " #2	8 5/8"		1613'	800	CIRC																
STATE "I" #2	8 5/8"		307'	25	CIRC																
STATE "K" #1	8 5/8"		1700'	800	CIRC																
" " #3	8 5/8"		1710'	1100	CIRC																
STATE VAA #5	7 7/8"		325'	250	CIRC																
SUNBURY #1	8 5/8"		1571'	600	CIRC																
" " #2	8 5/8"		1601'	600	CIRC																
SOLING PETROLEUM CO.																					
Humble State #1	8 5/8"		1594'	100	CIRC																
" " #2	8 5/8"		1595'	125	CIRC																

5/12/11 (12)

WELL NAME AND NUMBER

SUN OIL CO.

	SURFACE CASING			INTERMEDIATE CASING			PRODUCTION CASING			TOTAL DEPTH	INTERVAL	UNIT	SEC.	TOWNSHIP	RANGE
	Casing Size	Csg. Wt.	Depth Set	Sx Cmt	Top Cement	Casing Size	Csg. Wt.	Depth Set	Sx Cmt	Top Cement					
B LEE STATE #1	13 3/8"	342'	275	275	CAPL	8 5/8"	3370'	1150	270'	270'					
"	13 3/8"	328'	275	275	CAPL	8 5/8"	3369'	1150	200'	200'					
"	13 3/8"	334'	275	275	CAPL	8 5/8"	3400'	1000	500'	500'					
"	13 3/8"	352'	325	325	CAPL	8 5/8"	3446'	1150	200'	200'					
"	8 5/8"	1513'	550	550	CAPL	-	-	-	-	-					
"	8 5/8"	1649'	550	550	CAPL	-	-	-	-	-					

ole size	PRODUCTION CASING			TOTAL DEPTH	INTERVAL	UNIT	SEC.	TOWNSHIP	RANGE
	Csg. Size	Csg. Wt.	Depth Set						
7 7/8"	5 1/2"	8859'	650	8859'	8206'-8628'	F	7	18	35
7 7/8"	5 1/2"	8740'	940	8698'108	8054'-8600'	E	7	18	35
7 7/8"	5 1/2"	8000'	820	8865'108	8148'-8328'	L	7	18	35
7 7/8"	5 1/2"	9224'	1000	8819'108	8764'-8785'	M	7	18	35
6 3/4"	4 1/2"	4787'	550	4787'	4573'-4715'	E	7	18	35
6 3/4"	4 1/2"	4772'	650	4772'	4426'-4712'	E	7	18	35

Texas

174

WELL NAME AND NUMBER

SURFACE CASING

INTERMEDIATE CASING

PRODUCTION CASING

TOTAL DEPTH

INTERVAL

LOCATION

WELL NAME AND NUMBER	SURFACE CASING			INTERMEDIATE CASING			PRODUCTION CASING			TOTAL DEPTH	INTERVAL	UNIT	SEC.	TOWNSHIP	RANGE
	Casing Size	Csg. Wt.	Depth Set	Sx Cmt	Top Cement	Casing Size	Csg. Wt.	Depth Set	Sx Cmt	Top Cement					
Udenna Grappling-San Antonio Unit #19	8 5/8"	-	355'	300	Circ	-	-	-	-	-	4389'-4730'	F	1	18	34
" " " " " " " "	8 5/8"	-	358'	300	Circ	-	-	-	-	-	4373'-4731'	F	1	18	34
" " " " " " " "	8 5/8"	-	354'	300	Circ	-	-	-	-	-	4389'-4743'	G	1	18	34
" " " " " " " "	8 5/8"	-	1596'	300	Circ	-	-	-	-	-	4171'-4710'	B	2	18	34
" " " " " " " "	7 5/8"	-	1554'	300	Circ	-	-	-	-	-	4091'-4710'	A	2	18	34
" " " " " " " "	8 5/8"	-	1547'	300	Circ	-	-	-	-	-	4082'-4710'	D	1	18	34
" " " " " " " "	7 5/8"	-	1521'	300	Circ	-	-	-	-	-	3968'-4720'	C	1	18	34
" " " " " " " "	8 5/8"	-	1515'	325	Circ	-	-	-	-	-	4085'-4720'	B	1	18	34
" " " " " " " "	7 5/8"	-	1507'	300	Circ	-	-	-	-	-	4078'-4710'	A	1	18	34
1001 Mexico AB State #1	8 5/8"	-	1530'	300	Calc to Circ	-	-	-	-	-	4070'-4710'	J	6	18	35
" " " " " " " "	13 3/8"	-	340'	350	Circ	9 5/8"	-	4830'	9050'	1025	Line Calc to Circ	P	6	18	35
" " " " " " " "	10 3/4"	-	343'	250	Circ	7 5/8"	-	5404'	8856'	1100	Line Calc to Circ	O	6	18	35
" " " " " " " "	10 3/4"	-	327'	350	Circ	7 5/8"	-	5222'	9079'	1100	Line Calc to Circ	I	6	18	35
" " " " " " " "	11 3/4"	-	340'	300	Circ	8 5/8"	-	3070'	8850'	1500	2 3/8" (Good)	J	6	18	35
" " " " " " " "	7 5/8"	-	1552'	650	Circ	-	-	-	-	-	4720'-4720'	I	6	18	35
" " " " " " " "	7"	-	1555'	650	Circ	-	-	-	-	-	4154'-4720'	O	6	18	35
" " " " " " " "	7 5/8"	-	1555'	700	Circ	-	-	-	-	-	4154'-4720'	P	6	18	35
New Mexico AE State #1 P4A	8 5/8"	-	825'	300	Calc to Circ	-	-	-	-	-	4222'-5104'	D	12	18	34
" " " " " " " "	8 5/8"	-	1620'	750	Circ	-	-	-	-	-	4286'-4855'	B	11	18	34
" " " " " " " "	8 5/8"	-	3152'	1200	Circ	-	-	-	-	-	8900'-8900'	F	12	18	34
" " " " " " " "	11 3/4"	-	333'	300	Circ	8 5/8"	-	3255'	8950'	1550	Calc to Circ	K	12	18	34
" " " " " " " "	11 3/4"	-	393'	300	Circ	8 5/8"	-	3292'	8949'	1500	Calc to Circ	L	12	18	34
" " " " " " " "	11 3/4"	-	327'	450	Circ	9 5/8"	-	3275'	9085'	1550	Circ	N	12	18	34
" " " " " " " "	11 3/4"	-	385'	350	Circ	9 5/8"	-	3270'	8918'	1550	Calc to Circ	H	11	18	34
" " " " " " " "	11 3/4"	-	367'	350	Circ	8 5/8"	-	3150'	9179'	1700	1400'	C	12	18	34
" " " " " " " "	11 3/4"	-	322'	550	Circ	8 5/8"	-	3199'	8987'	1600	2190'	E	12	18	34
" " " " " " " "	11 3/4"	-	383'	350	Circ	8 5/8"	-	3255'	8950'	1550	Circ	D	12	18	34
" " " " " " " "	11 3/4"	-	350'	300	Circ	8 5/8"	-	3584'	9050'	1300	4221'	M	12	18	34

15

Texas

WELL NAME AND NUMBER

SURFACE CASING

INTERMEDIATE CASING

PRODUCTION CASING

TOTAL DEPTH

INTERVAL

UNIT

SEC.

Township

Range

WELL NAME AND NUMBER	SURFACE CASING			INTERMEDIATE CASING			PRODUCTION CASING			TOTAL DEPTH	INTERVAL	UNIT	SEC.	Township	Range
	Casing Size	Csg. Wt.	Depth Set	Sx Cmt	Top Cement	Casing Size	Csg. Wt.	Depth Set	Sx Cmt	Top Cement					
New Mexico "G.B." State well #1	8 5/8"	-	1640'	900	Circ	-	-	-	-	-	4284' - 4124'	H	30	17	35
" " " " " #2	11 3/4"	-	1620'	1000	Circ	-	-	-	-	-	6101' - 6160'	H	30	17	35
New Mexico "G.B." State well #1	11 3/4"	-	1620'	1000	Circ	-	-	-	-	-	6152' - 6177'	F	29	17	35
New Mexico "L." State #6	13 3/8"	-	1520'	1200	Circ	9 5/8"	-	4900'	1700	-	6041' - 1105'; 6084' - 6091'; 9939' - 9948'	B	1	18	34
" " " " " #7	11 3/4"	-	1520'	1000	Circ	8 5/8"	-	3350'	550	-	5978' - 5982'; 6022' - 6028'	A	1	18	34
" " " " " #8-X (QSD)	11 3/4"	-	1490'	1000	Circ	8 5/8"	-	3400'	1850	-	6082' - 6156'	G	1	18	34
" " " " " #9	8 5/8"	-	1462'	650	Circ	-	-	-	-	-	6053' - 6067'	H	1	18	34
New Mexico "M." State #5	16 1/2" x 13 3/8"	-	1504'	1150	Circ	9 5/8"	-	4788'	1700	1923' (calc)	6044' - 6094'; 9938' - 9940'	D	1	18	34
" " " " " #7	13 3/8"	-	1513'	1100	Circ	9 5/8"	-	4805'	1700	calc to Circ	6016' - 6028'; 9917' - 10,043'	F	1	18	34
" " " " " #8	10 3/4"	-	1485'	1200	Circ	7 5/8"	-	3400'	800	1835'	5962' - 6022'	C	1	18	34
" " " " " #6 P4A	11 3/4"	-	1550'	1050	Circ	8 5/8"	-	3400'	350	537' (calc)	5954' - 6028'	C	1	18	34
New Mexico "N." State #1	10 3/4"	-	272	150	calc to Circ	7 5/8"	-	1574'	200	175'	4106' - 4160'	M	30	17	35
" " " " " #2	7 5/8"	-	1572'	300	calc to Circ	-	-	-	-	-	4088' - 4076'	L	30	17	35
" " " " " #3	7 5/8"	-	1613'	450	calc to Circ	-	-	-	-	-	4188' - 4190'	E	30	17	35
" " " " " #4	7 5/8"	-	1606'	350	260'	-	-	-	-	-	4190' - 4190'	D	30	17	35
" " " " " #5	11 3/4"	-	1550'	1000	Circ	8 5/8"	-	3320'	350	1450'	6004' - 6062'	M	30	17	35
" " " " " #6	13 3/8"	-	1576'	1250	Circ	9 5/8"	-	4200'	1700	calc to Circ	6028' - 6070'; 9024' - 9214'; 9113' - 9233'	L	30	17	35
" " " " " #7	11 3/4"	-	1649'	1000	Circ	8 5/8"	-	3393'	500	Calc to Circ	6064' - 6076'	E	30	17	35
" " " " " #8	13 3/8"	-	374'	450	Calc to Circ	9 5/8"	-	4221'	500	2100'	8424' - 10,097'	D	30	17	35
New Mexico "O." State well #1	10 3/4"	-	249'	175	Circ	7 5/8"	-	1531'	200	179' (calc)	4038' - 4220'	E	36	17	34
" " " " " #2	10 3/4"	-	253'	200	Circ	7 5/8"	-	1536'	200	325' (calc)	4098' - 4750'	H	36	17	34
" " " " " #3	10 3/4"	-	258'	200	Circ	7 5/8"	-	1538'	200	327' (calc)	4094' - 4742'	G	36	17	34
" " " " " #4	10 3/4"	-	254'	200	Circ	7 5/8"	-	1533'	250	Circ	4099' - 4710'	I	36	17	34
" " " " " #5	10 3/4"	-	220'	200	Circ	7 5/8"	-	1549'	250	Circ	4113' - 4715'	F	36	17	34
" " " " " #6	10 3/4"	-	256'	200	Circ	7 5/8"	-	1539'	250	Circ	4100' - 4725'	J	36	17	34
" " " " " #7	7 5/8"	-	1532'	300	Circ	-	-	-	-	-	4093' - 4710'	P	36	17	34
" " " " " #8	7 5/8"	-	1540'	300	Circ	-	-	-	-	-	4085' - 4710'	M	36	17	34
" " " " " #9	7 5/8"	-	1542'	300	Circ	-	-	-	-	-	4070' - 4710	N	36	17	34
" " " " " #10	7 5/8"	-	1548'	280	Circ	-	-	-	-	-	4093' - 4710	O	36	17	34

SURFACE CASING				INTERMEDIATE CASING				PRODUCTION CASING				TOTAL DEPTH	INTERVAL	UNIT	SEC.	TOWNSHIP	RANGE
Casing Size	Csg. Depth	Sx Cmt	Top Cement	Casing Size	Csg. Depth	Sx Cmt	Top Cement	Hole Size	Csg. Size	Csg. Depth	Sx Cmt						
New Mexico "P" State well #1	13 3/4"	-	350'	10 3/4" x 5 7/8"	-	4820'	1600'	8 7/8"	2 7/8" (Qual)	13,154'	2300'	2002' (Calc)	12,155'	9601'-9974'	F	36	17
" " " " #2	8 5/8"	-	1599'	10 3/4" x 5 7/8"	-	4820'	1600'	8 7/8"	2 7/8" (Qual)	13,154'	2300'	2002' (Calc)	12,155'	9601'-9974'	F	36	17
" " " " #3	11 3/4"	-	1550'	10 3/4" x 5 7/8"	-	4820'	1600'	8 7/8"	2 7/8" (Qual)	13,154'	2300'	2002' (Calc)	12,155'	9601'-9974'	F	36	17
" " " " #4	13 3/4" x 1 1/2"	-	1550'	10 3/4" x 5 7/8"	-	4820'	1600'	8 7/8"	2 7/8" (Qual)	13,154'	2300'	2002' (Calc)	12,155'	9601'-9974'	F	36	17
" " " " #5	11 3/4"	-	1593'	10 3/4" x 5 7/8"	-	4820'	1600'	8 7/8"	2 7/8" (Qual)	13,154'	2300'	2002' (Calc)	12,155'	9601'-9974'	F	36	17
" " " " #6	11 3/4"	-	1550'	10 3/4" x 5 7/8"	-	4820'	1600'	8 7/8"	2 7/8" (Qual)	13,154'	2300'	2002' (Calc)	12,155'	9601'-9974'	F	36	17
" " " " #7	13 3/4" x 1 1/2"	-	1612'	10 3/4" x 5 7/8"	-	4820'	1600'	8 7/8"	2 7/8" (Qual)	13,154'	2300'	2002' (Calc)	12,155'	9601'-9974'	F	36	17
" " " " #8	13 3/4"	-	1555'	10 3/4" x 5 7/8"	-	4820'	1600'	8 7/8"	2 7/8" (Qual)	13,154'	2300'	2002' (Calc)	12,155'	9601'-9974'	F	36	17
" " " " #9	11 3/4"	-	1549'	10 3/4" x 5 7/8"	-	4820'	1600'	8 7/8"	2 7/8" (Qual)	13,154'	2300'	2002' (Calc)	12,155'	9601'-9974'	F	36	17
" " " " #10	11 3/4"	-	1570'	10 3/4" x 5 7/8"	-	4820'	1600'	8 7/8"	2 7/8" (Qual)	13,154'	2300'	2002' (Calc)	12,155'	9601'-9974'	F	36	17
" " " " #11	11 3/4"	-	1548'	10 3/4" x 5 7/8"	-	4820'	1600'	8 7/8"	2 7/8" (Qual)	13,154'	2300'	2002' (Calc)	12,155'	9601'-9974'	F	36	17
" " " " #12	11 3/4"	-	1549'	10 3/4" x 5 7/8"	-	4820'	1600'	8 7/8"	2 7/8" (Qual)	13,154'	2300'	2002' (Calc)	12,155'	9601'-9974'	F	36	17
" " " " #13	11 3/4"	-	1520'	10 3/4" x 5 7/8"	-	4820'	1600'	8 7/8"	2 7/8" (Qual)	13,154'	2300'	2002' (Calc)	12,155'	9601'-9974'	F	36	17
" " " " #14	11 3/4"	-	1549'	10 3/4" x 5 7/8"	-	4820'	1600'	8 7/8"	2 7/8" (Qual)	13,154'	2300'	2002' (Calc)	12,155'	9601'-9974'	F	36	17
" " " " #15	13 3/4"	-	1534'	10 3/4" x 5 7/8"	-	4820'	1600'	8 7/8"	2 7/8" (Qual)	13,154'	2300'	2002' (Calc)	12,155'	9601'-9974'	F	36	17
" " " " #16	11 3/4"	-	1499'	10 3/4" x 5 7/8"	-	4820'	1600'	8 7/8"	2 7/8" (Qual)	13,154'	2300'	2002' (Calc)	12,155'	9601'-9974'	F	36	17
" " " " #17	10 3/4"	-	1300'	10 3/4" x 5 7/8"	-	4820'	1600'	8 7/8"	2 7/8" (Qual)	13,154'	2300'	2002' (Calc)	12,155'	9601'-9974'	F	36	17
" " " " #18	10 3/4"	-	1230'	10 3/4" x 5 7/8"	-	4820'	1600'	8 7/8"	2 7/8" (Qual)	13,154'	2300'	2002' (Calc)	12,155'	9601'-9974'	F	36	17
" " " " #19	10 3/4"	-	1230'	10 3/4" x 5 7/8"	-	4820'	1600'	8 7/8"	2 7/8" (Qual)	13,154'	2300'	2002' (Calc)	12,155'	9601'-9974'	F	36	17
" " " " #20	11 3/4"	-	1549'	10 3/4" x 5 7/8"	-	4820'	1600'	8 7/8"	2 7/8" (Qual)	13,154'	2300'	2002' (Calc)	12,155'	9601'-9974'	F	36	17
" " " " #21	11 3/4"	-	1570'	10 3/4" x 5 7/8"	-	4820'	1600'	8 7/8"	2 7/8" (Qual)	13,154'	2300'	2002' (Calc)	12,155'	9601'-9974'	F	36	17
" " " " #22	11 3/4"	-	1548'	10 3/4" x 5 7/8"	-	4820'	1600'	8 7/8"	2 7/8" (Qual)	13,154'	2300'	2002' (Calc)	12,155'	9601'-9974'	F	36	17
" " " " #23	11 3/4"	-	1549'	10 3/4" x 5 7/8"	-	4820'	1600'	8 7/8"	2 7/8" (Qual)	13,154'	2300'	2002' (Calc)	12,155'	9601'-9974'	F	36	17
" " " " #24	13 3/4"	-	1520'	10 3/4" x 5 7/8"	-	4820'	1600'	8 7/8"	2 7/8" (Qual)	13,154'	2300'	2002' (Calc)	12,155'	9601'-9974'	F	36	17
" " " " #25	11 3/4"	-	1534'	10 3/4" x 5 7/8"	-	4820'	1600'	8 7/8"	2 7/8" (Qual)	13,154'	2300'	2002' (Calc)	12,155'	9601'-9974'	F	36	17
New Mexico "P" State #1	10 3/4"	-	1499'	10 3/4" x 5 7/8"	-	4820'	1600'	8 7/8"	2 7/8" (Qual)	13,154'	2300'	2002' (Calc)	12,155'	9601'-9974'	F	36	17
" " " " #1	10 3/4"	-	1300'	10 3/4" x 5 7/8"	-	4820'	1600'	8 7/8"	2 7/8" (Qual)	13,154'	2300'	2002' (Calc)	12,155'	9601'-9974'	F	36	17
" " " " #2	10 3/4"	-	230'	10 3/4" x 5 7/8"	-	4820'	1600'	8 7/8"	2 7/8" (Qual)	13,154'	2300'	2002' (Calc)	12,155'	9601'-9974'	F	36	17
" " " " #3	225'	-	200'	10 3/4" x 5 7/8"	-	4820'	1600'	8 7/8"	2 7/8" (Qual)	13,154'	2300'	2002' (Calc)	12,155'	9601'-9974'	F	36	17
" " " " #4	280'	-	200'	10 3/4" x 5 7/8"	-	4820'	1600'	8 7/8"	2 7/8" (Qual)	13,154'	2300'	2002' (Calc)	12,155'	9601'-9974'	F	36	17
" " " " #5	1598'	-	300'	10 3/4" x 5 7/8"	-	4820'	1600'	8 7/8"	2 7/8" (Qual)	13,154'	2300'	2002' (Calc)	12,155'	9601'-9974'	F	36	17
" " " " #6	395'	-	400'	10 3/4" x 5 7/8"	-	4820'	1600'	8 7/8"	2 7/8" (Qual)	13,154'	2300'	2002' (Calc)	12,155'	9601'-9974'	F	36	17
" " " " #7	11 3/4"	-	1550'	10 3/4" x 5 7/8"	-	4820'	1600'	8 7/8"	2 7/8" (Qual)	13,154'	2300'	2002' (Calc)	12,155'	9601'-9974'	F	36	17
" " " " #8	11 3/4"	-	1530'	10 3/4" x 5 7/8"	-	4820'	1600'	8 7/8"	2 7/8" (Qual)	13,154'	2300'	2002' (Calc)	12,155'	9601'-9974'	F	36	17
" " " " #9	8 5/8"	-	1300'	10 3/4" x 5 7/8"	-	4820'	1600'	8 7/8"	2 7/8" (Qual)	13,154'	2300'	2002' (Calc)	12,155'	9601'-9974'	F	36	17
" " " " #10	10 3/4"	-	600'	10 3/4" x 5 7/8"	-	4820'	1600'	8 7/8"	2 7/8" (Qual)	13,154'	2300'	2002' (Calc)	12,155'	9601'-9974'	F	36	17
" " " " #11	10 3/4"	-	249'	10 3/4" x 5 7/8"	-	4820'	1600'	8 7/8"	2 7/8" (Qual)	13,154'	2300'	2002' (Calc)	12,155'	9601'-9974'	F	36	17
" " " " #12	10 3/4"	-	257'	10 3/4" x 5 7/8"	-	4820'	1600'	8 7/8"	2 7/8" (Qual)	13,154'	2300'	2002' (Calc)	12,155'	9601'-9974'	F	36	17
" " " " #13	7 7/8"	-	1533'	10 3/4" x 5 7/8"	-	4820'	1600'	8 7/8"	2 7/8" (Qual)	13,154'	2300'	2002' (Calc)	12,155'	9601'-9974'	F	36	17
" " " " #14	8 5/8"	-	1515'	10 3/4" x 5 7/8"	-	4820'	1600'	8 7/8"	2 7/8" (Qual)	13,154'	2300'	2002' (Calc)	12,155'	9601'-9974'	F	36	17
" " " " #15	11 3/4"	-	357'	10 3/4" x 5 7/8"	-	4820'	1600'	8 7/8"	2 7/8" (Qual)	13,154'	2300'	2002' (Calc)	12,155'	9601'-9974'	F	36	17
" " " " #16	11 3/4"	-	357'	10 3/4" x 5 7/8"	-	4820'	1600'	8 7/8"	2 7/8" (Qual)	13,154'	2300'	2002' (Calc)	12,155'	9601'-9974'	F	36	17
" " " " #17	11 3/4"	-	357'	10 3/4" x 5 7/8"	-	4820'	1600'	8 7/8"	2 7/8" (Qual)	13,154'	2300'	2002' (Calc)	12,155'	9601'-9974'	F	36	17
" " " " #18	11 3/4"	-	357'	10 3/4" x 5 7/8"	-	4820'	1600'	8 7/8"	2 7/8" (Qual)	13,154'	2300'	2002' (Calc)	12,155'	9601'-9974'	F	36	17
" " " " #19	11 3/4"	-	357'	10 3/4" x 5 7/8"	-	4820'	1600'	8 7/8"	2 7/8" (Qual)	13,154'	2300'	2002' (Calc)	12,155'	9601'-9974'	F	36	17
" " " " #20	11 3/4"	-	357'	10 3/4" x 5 7/8"	-	4820'	1600'	8 7/8"	2 7/8" (Qual)	13,154'	2300'	2002' (Calc)	12,155'	9601'-9974'	F	36	17
" " " " #21	11 3/4"	-	357'	10 3/4" x 5 7/8"	-	4820'	1600'	8 7/8"	2 7/8" (Qual)	13,154'	2300'	2002' (Calc)	12,155'	9601'-9974'	F	36	17
" " " " #22	11 3/4"	-	357'	10 3/4" x 5 7/8"	-	4820'	1600'	8 7/8"	2 7/8" (Qual)	13,154'	2300'	2002' (Calc)	12,155'	9601'-9974'	F	36	17
" " " " #23	11 3/4"	-	357'	10 3/4" x 5 7/8"	-	4820'	1600'	8 7/8"	2 7/8" (Qual)	13,154'	2300'	2002' (Calc)	12,155'	9601'-9974'	F	36	17
" " " " #24	11 3/4"	-	357'	10 3/4" x 5 7/8"	-	4820'	1600'	8 7/8"	2 7/8" (Qual)	13,154'	2300'	2002' (Calc)	12,155'	9601'-9974'	F	36	17
" " " " #25	11 3/4"	-	357'	10 3/4" x 5 7/8"	-	4820'	1600'	8 7/8"	2 7/8" (Qual)	13,154'	2300'	2002' (Calc)	12,155'	9601'-9974'	F	36	17
" " " " #26	11 3/4"	-	357'	10 3/4" x 5 7/8"	-	4820'	1600'	8 7/8"	2 7/8" (Qual)	13,154'	2300'	2002' (Calc)	12,155'	9601'-9974'	F	36	17
" " " " #27	11 3/4"	-	357'	10 3/4" x 5 7/8"	-	4820'	1600'	8 7/8"	2 7/8" (Qual)	13,154'	2300'	2002' (Calc)	12,155'	9601'-9974'	F	36	17
" " " " #28	11 3/4"	-	357'	10 3/4" x 5 7/8"	-	4820'	1600'	8 7/8"	2 7/8" (Qual)	13,154'	2300'	2002' (Calc)	12,155'	9601'-9974'	F	36	17
" " " " #29	11 3/4"	-	357'	10 3/4" x 5 7/8"	-	4820'	1600'	8 7/8"	2 7/8" (Qual)	13,154'	2300'	2002' (Calc)	12,155'	9601'-9974'	F	36	17
" " " " #30	11 3/4"	-	357'	10 3/4" x 5 7/8"	-	4820'	1600'	8 7/8"	2 7/8" (Qual)	13,154'	2300'	2002' (Calc)	12,155'	9601'-9974'	F	36	17
" " " " #31	11 3/4"	-	357'	10 3/4" x 5 7/8"	-	4820'	1600'	8 7/8"	2 7/8" (Qual)	13,154'	2300'	2002' (Calc)	12,155'	9601'-9974'	F	36	17
" " " " #32	11 3/4"	-	357'	10 3/4" x 5 7/8"	-	4820'	1600'	8 7/8"	2 7/8" (Qual)	13,154'	2300'	2002' (Calc)	12,155'	9601'-9974'	F	36	17
" " " " #33	11 3/4"	-	357'	10 3/4" x 5 7/8"	-	4820'	1600'	8 7/8"	2 7/8" (Qual)	13,154'	2300'	2002' (Calc)	12,155'	9601'-9974'	F	36	17
" " " " #34	11 3/4"	-	357'	10 3/4" x 5 7/8"	-	4820'	1600'	8 7/8"	2 7/8" (Qual)	13,154'	2300'	2002' (Calc)	12,155'	9601'-9974'	F	36	17
" " " " #35	11 3/4"	-	357'	10 3/4" x 5 7/8"	-	4820'	1600'	8 7/8"	2 7/8" (Qual)	13,154'	2300'	2002' (Calc)	12,155'	9601'-9974'	F	36	17
" " " " #36	11 3/4"	-	357'	10 3/4" x 5 7/8"	-	4820'	1600'	8 7/8"	2 7/8" (Qual)	13,154'	2300'	2002' (Calc)	12,155'	9601'-9974'	F	36	17
" " " " #37	11 3/4"	-	357'	10 3/4" x 5 7/8"	-	4820'	1600'	8 7/8"	2 7/8" (Qual)	13,154'	2300'	2002' (Calc)	12,155'	9601'-9974'	F	36	17
" " " " #38	11 3/4"	-	357'	10 3/4" x 5 7/8"	-	4820'	1600'	8 7/8"	2 7/8" (Qual)	13,154'	2300'	2002' (Calc)	12,155'	9601'-9974'	F	36	17
" " " " #39	11 3/4"	-	357'	10 3/4" x 5 7/8"	-	4820'	1600'	8 7/8"	2 7/8" (Qual)	13,154'	2300'	2002' (Calc)	12,155'	9601'-9974'	F	36	17
" " " " #40	11 3/4"	-	357'	10 3/4" x 5 7/8"	-	4820'	1600'	8 7/8"	2 7/8" (Qual)	13,154'	2300'	2002' (Calc)	12,155'	9601'-9974'	F	36	17
" " " " #41	11 3/4"	-	357'	10 3/4" x 5 7/8"	-	4820'	1600'	8 7/8"	2 7/8" (Qual)	13,154'	2300'	2002' (Calc)	12,155'	9601'-9974'	F	36	17
" " " " #42	11 3/4"	-	357'	10 3/4" x 5 7/8"	-	4820'	1600'	8 7/8"	2 7/8" (Qual)</								

5/19/77

(1)

WELL NAME AND NUMBER

SURFACE CASING

INTERMEDIATE CASING

PRODUCTION CASING

TOTAL DEPTH

INTERVAL

UNIT SEC.

Township

Range

AMERICAN HESS CORP.

STATE "VB" #1 Y

STATE "VB" #2

ATLANTIC RICHFIELD

STATE "B" 1576 #8

STATE "A" 1576 #7

STATE "B" 1576 #6

STATE "B" 1576 #5

STATE "B" 1576 #4

STATE "B" 1576 #3

STATE "B" 1576 #2

STATE "B" 1576 #1

STATE "C" DE #1

STATE "E" DE #1

STATE "E" DE #2

STATE "J" DE #1

STATE "L" "DE" #1

STATE "L" DE #2

STATE "H" DE #1

STATE "H" "DE" #2

STATE "H" DE #3

STATE "H" "DE" #4

STATE "B" 1578 #1

STATE "B" 1578 #2

STATE "B" 1578 #3

BETTS BOYLE AND STOVALL

STATE "C" #1

STATE "C" #2

STATE "E" #1

Casing Size 10 3/4"

Casing Size 8 5/8"

Casing Size 8 3/8"

Casing Size 8 3/8"

Casing Size 13"

Casing Size 13"

Casing Size 13"

Casing Size 8 3/8"

Casing Size 8 3/8"

Casing Size 8 3/8"

Casing Size 8 3/8"

Casing Size 8 3/8"

Casing Size 8 3/8"

Casing Size 8 3/8"

Casing Size 8 3/8"

Casing Size 8 3/8"

Casing Size 8 3/8"

Casing Size 8 3/8"

Casing Size 8 3/8"

Casing Size 8 3/8"

Casing Size 8 3/8"

Casing Size 13"

Casing Size 8 3/8"

Casing Size 13 3/8"

Casing Size 8 3/8"

Casing Size 8 3/8"

Casing Size 8 3/8"

Casing Size 8 3/8"

Casing Size 8 3/8"

Casing Size 7 5/8"

Casing Size -

Casing Size -

Casing Size -

Casing Size 8 3/8"

Casing Size 8 3/8"

Casing Size 8 3/8"

Casing Size 8 3/8"

Casing Size 8 3/8"

Casing Size 8 3/8"

Casing Size 8 3/8"

Casing Size 8 3/8"

Casing Size 8 3/8"

Casing Size 8 3/8"

Casing Size 8 3/8"

Casing Size 8 3/8"

Casing Size 8 3/8"

Casing Size 8 3/8"

Casing Size 8 3/8"

Casing Size 8 3/8"

Casing Size 8 3/8"

Casing Size 8 3/8"

Casing Size 8 3/8"

Casing Size 8 3/8"

Casing Size 8 3/8"

Casing Size 8 3/8"

Casing Size 8 3/8"

Casing Size 8 3/8"

Casing Size 8 3/8"

Csg. Size 5 1/2"

Csg. Size 5 1/2"

Csg. Size 4 1/2"

Csg. Size 4 1/2"

Csg. Size 4 1/2"

Csg. Size 4 1/2"

Csg. Size 4 1/2"

Csg. Size 4 1/2"

Csg. Size 4 1/2"

Csg. Size 4 1/2"

Csg. Size 4 1/2"

Csg. Size 4 1/2"

Csg. Size 4 1/2"

Csg. Size 4 1/2"

Csg. Size 4 1/2"

Csg. Size 4 1/2"

Csg. Size 4 1/2"

Csg. Size 4 1/2"

Csg. Size 4 1/2"

Csg. Size 4 1/2"

Csg. Size 4 1/2"

Csg. Size 4 1/2"

Csg. Size 4 1/2"

Csg. Size 4 1/2"

Csg. Size 4 1/2"

Csg. Size 4 1/2"

Csg. Size 4 1/2"

Csg. Size 4 1/2"

Csg. Size 4 1/2"

Depth 4252'

Depth 6850'

Depth 6200'

Depth 6200'

Depth 6200'

Depth 6250'

Depth 4150'

Depth 4150'

Depth 4140'

Depth 4100'

Depth 4220'

Depth 4250'

Depth 4262'

Depth 4231'

Depth 4222'

Depth 6249'

Depth 4209'

Depth 4203'

Depth 4188'

Depth 4176'

Depth 4262'

Depth 4209'

Depth 19200'

Depth 4320'

Depth 4356'

Depth 4328'

Depth 3853'

Depth 3831'

Depth 3803'

Interval 4252'-4690'

Interval 5730'-6012'

Interval 6064'-6094'

Interval 6044'-6080'

Interval 6074'-6101'

Interval 6089'-6106'

Interval 4150'-4550'

Interval 4150'-4591'

Interval 4140'-4527'

Interval 4100'-4525'

Interval 4221'-4665'

Interval 4250'-4675'

Interval 4262'-4684'

Interval 4231'-4700'

Interval 4222'-4695'

Interval 6114'-6141'

Interval 4209'-4665'

Interval 4203'-4650'

Interval 4188'-4570'

Interval 4176'-4650'

Interval 4262'-4725'

Interval 4209'-4724'

Interval 6082'-6139'

Interval 4320'-4705'

Interval 4356'-4694'

Interval 4328'-4658'

Interval 3853'-4705'

Interval 3831'-4694'

Interval 3803'-4658'

Unit SEC. 36

Unit SEC. 36

Unit SEC. 32

Unit SEC. 32

Unit SEC. 32

Unit SEC. 32

Unit SEC. 32

Unit SEC. 32

Unit SEC. 32

Unit SEC. 32

Unit SEC. 32

Unit SEC. 32

Unit SEC. 32

Unit SEC. 32

Unit SEC. 32

Unit SEC. 32

Unit SEC. 32

Unit SEC. 32

Unit SEC. 32

Unit SEC. 32

Unit SEC. 32

Unit SEC. 32

Unit SEC. 32

Unit SEC. 32

Unit SEC. 32

Unit SEC. 32

Unit SEC. 32

Unit SEC. 32

Unit SEC. 32

New Mexico Oil Conservation Commission
Examiner Hearing
June 22, 1977
Case No. 5970

STATEMENT OF PHILLIPS PETROLEUM CO.

1. Phillips Petroleum Company, as an offset operator, hereby, objects to the assignment of any additional or special allowable over and above a project allowable equal to the number of developed proration units in the project times the top individual unit allowable, unless the additional or special allowable is contingent upon full reservoir voidage replacement of all produced fluids (e.g. oil, gas and water). Phillips Petroleum Company therefore recommends that the Special Rules and Regulations for the proposed Texaco operated Central Vacuum Grayburg-San Andres Pressure Maintenance Unit provide for an allowable assignment as follows:

"A project allowable equal to the top unit allowable for the Vacuum Grayburg-San Andres Pool times the number of developed 40-acre units in the project area plus a special allowable equal to that percentage of the project allowable by which net water injected (e.g. total water injected minus total water produced) exceeds the volumetric equivalent reservoir voidage (in Bbls.) of the project allowable and its associated produced gas."

2. Phillips Petroleum Company further requests that the following provision be included in the Special Rules and Regulations for this proposed unit:

"Any producing well in the unit area which directly or diagonally offsets a well outside the unit area producing from the same common source of supply shall not be granted any special allowable nor be permitted to produce in excess of top unit allowable for the pool without having same authorized after notice and hearing wherein it is proven that substantial response to injection has occurred."

RECEIVED BY THE STATE OF NEW MEXICO
OIL CONSERVATION COMMISSION
Phillips
CASE NO. 5970
DATE 22 JUN 77

