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March 14, 1996

New Mexico Energy, Minerals, and Natural Resources Department
Oil Conservation Division
2040 South Pacheco Street
Santa Fe, New Mexico 87505

Attention: Mr. Benjamin E. Stone
Petroleum Engineer Specialist

RE: Authorization to Inject
Burch Keely Unit Waterflood

Dear Mr. Stone:

Thank you for your letter dated March 11, 1996. Enclosed are three copies of an updated Attachment C-108 VI (Well Data Sheet). The missing information for the four wells was obtained from the Roswell BLM office and incorporated into the Exhibit. The Artesia OCD office had none of the information that you required.

Please contact me if you should have any questions concerning this matter. Thank you for your assistance.

Sincerely,

David Martin
Land Department

DM/mm
Enclosures

WELL DATA

Attachment C-108 VI

LEASE	WELL#	LOCATION	TD PBTD	TYPE & DATE DRILLED	HOLE SIZE	CASING SZ & WT	SETTING DEPTH	SX CMT	TOC	PERFS
MCINTYRE SABRE OPERATING INC 4301 MAPLEWOOD STE. 500 WITCHITA FALLS, TX 76308	7-A	1650 FSL 1980 FWL 20-17S-30E	11400 (11287)	GAS/MORROW 06-20-77	17 1/2 12 1/4 7 7/8	13 3/8 8 5/8	500' 3487'	487 1335	SURFAC 940'	11101 - 129
	1	330 FNL 330 FWL 29-17S-30E	3446 3432	OIL 05-23-78	12.25 7 7/8	8 5/8 @24# 5 1/2 @14#	481' 3446'	325 760	CIRC	1698 - 1735 3058 - 3398
	1	2310 FSL 330 FWL 20-17S-30E	3296	OIL 01-29-38	12 1/4 8	10" @ 40.5# 7" @ 24#	550' 2640'	50 100	CIRC MUD	2640 - 3296
	3	1650 FSL 990 FWL 20-17S-30E	3465 (3439)	OIL 04-25-78	12 1/2 7 7/8	8 5/8 @24# 5 1/2 @15.5# 5 1/2 @14#	478' 687' 2778'	300 575		1659 - 1696 1808 - 1902 2988 - 3420
	2	660 FSL 660 FWL 20-17S-30E	3346	OIL 05-28-44	10 8	8 1/4 @ 28 # 7 @ 20 #	557' 3170'	50 100	CIRC MUD	
MCINTYRE B	4	1300 FSL 330 FWL 20-17S-30E	3443 (3435)	OIL 05-22-78	12 1/4 7 7/8	8 5/8 5 1/2	479' 3447'	275 325		1652 - 1688 2560 - 3342
MCINTYRE D	6	660 FSL 1980 FWL 20-17S-30E	3428	OIL - P & A 07-26-44	10 8	8 5/8 7	533' 3006'	75 100	CIRC MUD	
MCINTYRE E	2	2310 FSL 1650 FWL 20-17S-30E	3500	OIL -- -37	10 8 1/4	8 5/8 @ 28# 7 @ 24#	530' 2688'	50 100	CIRC MUD	2688 - 3280

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JENKINS B	1	1650 FNL 330 FWL 20-17S-30E	3258	SWD 02-28-36	12 7 7/8	10 3/4 7	479' 3000'	22+50 100	SURF 1' 2663'	
JENKINS B	2	990 FNL 330 FWL 20-17S-30E	3265	OIL 01-15-38	11 7 7/8	8 1/4 @ 32# 7 @ 20#	500' 2912'	50 100		OPEN HOLE
JENKINS B	3	330 FNL 2310 FWL 20-17S-30E	3300	OIL 06-28-38	11 7 7/8	8 1/4 @ 32# 7 @ 20#	505' 2875'	50 100		OPEN HOLE
JENKINS B	4	1650 FNL 1650 FWL 20-17S-30E	3253	OIL 05-10-37	11 7 7/8	8 1/4 @ 32# 7 @ 20#	506' 2843'	50 100		OPEN HOLE
JENKINS B	5	330 FNL 330 FWL 20-17S-30E	3693	OIL 01-11-77	11 6 1/4	8 5/8 @ 22# 4 1/2 @ 10.5#	496' 3667'	200 675		2480 3620
GRAYBURG DEEP UNIT	6	330 FNL 1980 FWL 30-17S-30E	6900 4540	OIL - P&A 03-02-70	11'	8 5/8 @ 24#	1436'	400	CIRC SURF	
GRAYBURG DEEP UNIT	8	1980 FNL 760 FEL 30-17S-30E	11600	GAS (MORROW) 01-13-79	17 1/2 11	11 3/4 @ 42# 8 5/8 @ 32#	476' 3525'	325 750		
GRAYBURG DEEP UNIT	10	660 FNL 2480 FWL 19-17S-30E	11240 (11160)	GAS (PENN) 12-31-87	17 1/2 11 7 7/8	13 3/8 @ 54.5# 8 5/8 @ 32# 5 1/2 @ 17#	429' 3510' 11240'	500 2500 1050		10891 - 10960

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BURCH A	5	1980 FNL 1980 FEL 19-17S-30E	3154	OIL-P&A 05-08-34	12 1/4 7 7/8	10 @ 40# 6 5/8 @ 24#	456.7' 2858'	10 75		
BURCH A	23	2565 FNL 955 FWL 19-17S-30E	3150	OIL-P&A 06-04-49	12 1/4 8 1/4	8 5/8 @ 24# 7 @ 20#	455' 2492'	75 100		
BURCH A	24	2310 FNL 2615 FEL 19-17S-30E	3183	OIL-P&A 06-12-49	12 1/4 8 1/4	8 5/8 @ 24# 7 @ 20#	482' 2514'	75 100		
BKU	93	2310 FSL 1650 FWL 19-17S-30E	3148	OIL-P&A	12 1/4 8 1/4	8 5/8 7	478' 2660'	50 100	60' 1230'	2540 - 2543 2885 - 2889 OPEN HOLE
BURCH A	8	990 FNL 2310 FWL 19-17S-30E	3225	OIL-P&A 12-10-73	10 3/4 8 1/4	8 1/4 @ 32# 7 @ 20#	445' 2825'	50 100		2455-2772

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LEASE	WELL#	LOCATION	TD PBDT	TYPE & DATE DRILLED	HOLE SIZE	CASING SZ & WT	SETTING DEPTH	SX CMT	TOC	PERFS
BKU	52	990 FNL 990 FWL 19-17S-30E	3127 (2730)	OIL 12-06-37	10 3/4 8 1/4	8 1/4 @ 30# 7 @ 24#	430' 2784'	50 100		2424-2663 3000-3157
BKU	54	660 FNL 1980 FEL 19-17S-30E	3645 (3639)	OIL 08-24-36	10 3/4 8 1/4	8 1/4 @ 30# 7 @ 24#	475' 2715'	50 100		2538-2620
BKU	55	165 FNL 1155 FEL 19-17S-30E	3625 (3619)	OIL 02-06-76	12 1/4 7 7/8	8 5/8 @ 24# 5 1/2 @ 15.5#	496' 3625'	100 625		1613-1618 2483-2774 3067-3582
BKU	56	990 FNL 330 FEL 19-17S-30E	3678 (3672)	OIL 01-15-38	10 3/4 8 1/4 6 1/4	8 1/4 @ 32# 7 @ 20# 4 1/2 LINER	486' 2899' 2868-3678'	50 100 250		2488-2788 3282-3613
BKU	57	1980 FNL 660 FEL 19-17S-30E	3702 (3696)	OIL 04-11-35	12 1/4 8 1/4 6 1/4	10 @ 40# 6 5/8 @ 24# 4 1/2 @ 9.5#	460' 2900' 2693-3702'	70 40 160		2498-2506 2628-2880 3054-3478
BKU	58	1345 FNL 1295 FEL 19-17S-30E	3223	OIL 02-06-50	10 3/4 8 1/4	8 5/8 @ 24# 7 @ 20#	493' 2676'	50 100		2978-3218 2348-2617 (OPEN HOLE) (2676-3223)
BKU	91	2310 FSL 330 FEL 24-17S-29E	3613 (3613)	OIL 05-07-40	10 8 1/4	8 1/4 @ 24# 7 @ 20#	515' 2727'	50 100		2479-2482 2520-2525 (OPEN HOLE) (2727-2613)
BKU	92	1980 FNL 660 FEL 19-17S-30E	3142 (3137)	OIL 06-27-29	17 1/2 12 1/4 8 1/4	12 1/2 @ 50# 10 3/4 @ 40# 6 5/8 @ 24#	368' 900' 2865'	15 20		2845-3142 OPEN HOLE 27

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BKU	96	1650 FSL 1650 FEL 19-17S-30E	3247 (3242)	OIL 08-01-50	11 8 1/4	8 5/8 @ 24# 7 @ 23#	509 2560	50 100		1611-1704 2620-3240
BKU	103	990 FSL 1650 FWL 19-17S-30E	3605 (3600)	OIL 01-25-47	11 8 1/4 6 1/2	8 5/8 @ 24# 7 @ 20# 4 1/2 @ 9.5#	464' 2942' 2906-3605'	75 110 140		2942-3247 2504-3061 (OPEN HOLE) (2942-3605)
BKU	104	330 FSL 1650 FWL 19-17S-30E	3277 (3272)	OIL 08-23-41	11 8 1/4	8 5/8 @ 24# 7 @ 20#	533' 2730'	50 100	320' 1315'	2633-2781 (OPEN HOLE) (2730-3277)
BKU	143	330 FNL 1260 FWL 30-17S-30E	3263 (3263)	OIL 08-17-49	11 8 1/4	8 5/8 @ 24# 7 @ 20#	506' 3013'	75 100		2548-2989 3013-3263 OPEN HOLE 25
BKU	142	660 FNL 660 FWL 30-17S-30E	4900 (4837)	OIL 02-15-44	12 1/4 8 1/4 7 7/8	8 5/8 @ 24# 7 @ 20# 5 1/2 @ 17#	502' 2891' 4900'	100 225	1650'	3100-3240 4478-4744
BKU	144	660 FNL 1980 FWL 30-17S-30E	3246	W/W 04-17-44	11 8 1/4	8 5/8 @ 24# 7 @ 20#	508' 2911'	50 100		2533-2810 (OPEN HOLE) (2911-3246)
BKU	145	1295 FNL 2665 FEL 30-17S-30E	3295	OIL 02-13-76	12 1/4 7 7/8	8 5/8 @ 24# 5 1/2 @ 14#	504' 3295'	100 550		1702-1709 2641-2762 3020-3247
BKU	146	660 FNL 1980 FEL 30-17S-30E	3320 (3295)	OIL 05-29-44	11 8 1/4	8 5/8 @ 24# 7 @ 20#	535 2682	50 100		(OPEN HOLE) (2682-3295)

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BKU	147	1295 FNL 1295 FEL 30-17S-30E	3390	OIL 12-17-80	12 1/4 7 7/8	8 5/8 @ 20 # 5 1/2 @ 15.5 #	506' 3390'	357 850		2662-2790 2928-3072 3211-3293
BKU	148	660 FNL 660 FEL 30-17S-30E	3355	OIL 02-06-71	12 1/4 7 7/8	8 5/8 @ 20 # 5 1/2 @ 15.5 #	485' 3357'	100 225		2758-2771 3039-3340
BKU	149	1980 FNL 660 FEL 30-17S-30E	3355 (3344)	OIL 06-20-72	12 1/4 7 7/8	8 5/8 @ 20 # 4 1/2 @ 9.5 #	499' 3350'	100 500		2670-2705 3102-3110 3324-3330
BKU	150	1980 FNL 1980 FEL 30-17S-30E	3475 (3649)	OIL 04-17-71	12 1/4 7 7/8	8 5/8 @ 20 # 4 1/2 @ 9.5 #	515' 3475'	100 400		2680-2811 3076-3088 3304-3446
BKU	151	1980 FNL 1980 FWL 30-17S-30E	3310	OIL 07-09-45	12 1/4 8 1/4	8 @ 24 # 7 @ 20 #	522' 3195'	50 100		2610-2648 (OPEN HOLE) (3195-3310)
BKU	59	1980 FNL 1980 FWL 19-17S-30E	3660	OIL-P&A 01-15-34	12 1/4 8 1/2	10 1/4 @ 40 # 6 5/8 @ 24 # 4.5LIME @ 9.5 #	385' 2801' 2775-3660'	10 MUD 150		
BKU	105	660 FSL 660 FWL 19-17S-30E	3599 (3505)	WW 04-29-42	11 8 1/4 7 7/8	8 5/8 @ 24 # 7 @ 20 # 4 1/2 @ 9.5 #	508' 2773' 2750-3599'	100 100 150		2511-2517 2591-2605 2798-3558
BKU	152	1345 FNL 1260 FWL 30-17S-30E	3316	OIL-T/A 12-14-49	11 8 1/4	8 5/8 @ 24 # 7 @ 23 #	507' 3061'	50 100	2000'	2588-2596 2708-2716 2915-2984 (OPEN HOLE) (3061-3316)

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BKU	144	660 FNL 1980 FWL 30-17S-30E	3254	W/W 04-20-44	11 7 7/8	8 5/8 @ 24# 7 @ 20#	508' 2911'	50 100	311' 1502'	(OPEN HOLE) (2572-2690) 2911-3246
BKU	60	1980 FNL 660 FWL 19-17S-30E	3137	P&A 05-02-32	12 1/4 7 7/8	10 @ 40# 6 5/8 @ 20#	372.7' 2783'	50 100		

BURCH-KEELY WATERFLOOD

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