

ARROWHEAD GRAYBURG UNIT
WELL INFORMATION
1/2 MILE RADIUS OF REVIEW

NEW WELLNO	WIC	LOCATION	OPERATOR	LEASE	WELLNO	STATUS	POOL	COMMENT		
	0	24	21-5	36-E	Chevron U.S.A.	H T Mattern (NCT-A)	1	ACTIVE	Eumont Gas	
	0	24	21-5	36-E	Chevron U.S.A.	H T Mattern (NCT-A)	4	SI	Penrose Skelly	12/80
	A	25	21-5	36-E	Chevron U.S.A.	W A Ramsay (NCT-B)	3	ACTIVE	Blinebry/DRK	
	A	25	21-5	36-E	Chevron U.S.A.	W A Ramsay (NCT-B)	8	ACTIVE	Drinkard	
AGU 101	B	25	21-5	36-E	Chevron U.S.A.	Graham State (NCT-J)	1	ACTIVE	Penrose Skelly	
	E	25	21-5	36-E	Chevron U.S.A.	W A Ramsay (NCT-B)	2	ACTIVE	Eumont Gas	
AGU 106	* F	25	21-5	36-E	Chevron U.S.A.	W A Ramsay (NCT-B)	1	ACTIVE	Eumont Gas	
AGU 107	6	25	21-5	36-E	Chevron U.S.A.	W A Ramsay (NCT-B)	5	SI	Penrose Skelly	3/86
	6	25	21-5	36-E	Chevron U.S.A.	W A Ramsay (NCT-B)	7	ACTIVE	Blinebry	
	H	25	21-5	36-E	Chevron U.S.A.	W A Ramsay (NCT-B)	4	ACTIVE	Penrose Skelly	
	H	25	21-5	36-E	Chevron U.S.A.	W A Ramsay (NCT-B)	6	ACTIVE	Blinebry/DRK	
AGU 108	I	25	21-5	36-E	Chevron U.S.A.	Moore	1	SI	Paddock	6/89
	I	25	21-5	36-E	Chevron U.S.A.	Sandy	1	ACTIVE	Penrose Skelly	
	J	25	21-5	36-E	Chevron U.S.A.	Kingwood	1	ACTIVE	Paddock	
	K	25	21-5	36-E	ARCO Oil & Gas	J M Brownlee	1	ACTIVE	Eumont Gas	
	L	25	21-5	36-E	ARCO Oil & Gas	J M Brownlee	3	P&A	Arrowhead	
	M	25	21-5	36-E	ARCO Oil & Gas	J M Brownlee	2	P&A	Arrowhead	
	N	25	21-5	36-E	ARCO Oil & Gas	J M Brownlee	4	ACTIVE	Eumont Gas	
	N	25	21-5	36-E	ARCO Oil & Gas	J M Brownlee	5	ACTIVE	Blinebry	
AGU 115	* O	25	21-5	36-E	Bay Petroleum	J M Brownlee	1	D&A	-	
	O	25	21-5	36-E	Chevron U.S.A.	Kingwood	2	SI	Penrose Skelly	7/88
AGU 116	O	25	21-5	36-E	Meridian	Brownlee	1	ACTIVE	Eumont Gas	
	P	25	21-5	36-E	Chevron U.S.A.	Sandy	2	ACTIVE	Penrose Skelly	
	P	25	21-5	36-E	Tahoe	Brownlee	1	SI	Eumont Gas	4/80
	I	26	21-5	36-E	EXXON	New Mexico G State	3	D&A	-	
	I	26	21-5	36-E	EXXON	New Mexico G State	27	ACTIVE	Eumont Oil	
	O	26	21-5	36-E	EXXON	New Mexico G State	8	P&A	Eumont Oil	
	P	26	21-5	36-E	EXXON	New Mexico G State	2	ACTIVE	Eumont Gas	
AGU 121	* A	35	21-5	36-E	Chevron U.S.A.	W A Ramsay (NCT-A)	11	ACTIVE	Arrowhead	
	B	35	21-5	36-E	Chevron U.S.A.	W A Ramsay (NCT-A)	13	ACTIVE	Eumont Gas	
	C	35	21-5	36-E	Chevron U.S.A.	W A Ramsay (NCT-A)	18	ACTIVE	Eumont Oil	
	E	35	21-5	36-E	Chevron U.S.A.	W A Ramsay (NCT-A)	20	SI	Eumont Gas	5/90

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NEW WELLNO	WIC	LOCATION	OPERATOR	LEASE	WELLNO	STATUS	POOL	COMMENT
AGU 123	F	35 21-5 36-E	Chevron U.S.A.	W A Ramsay (NCT-A)	16	ACTIVE	Eumont Oil	
AGU 124	*	35 21-5 36-E	Chevron U.S.A.	W A Ramsay (NCT-A)	9	ACTIVE	Eumont Oil	
	H	35 21-5 36-E	Chevron U.S.A.	W A Ramsay (NCT-A)	6	P&A	Arrowhead	
	H	35 21-5 36-E	Chevron U.S.A.	W A Ramsay (NCT-A)	51	ACTIVE	Eumont Oil	
AGU 134	*	35 21-5 36-E	Chevron U.S.A.	W A Ramsay (NCT-A)	5	ACTIVE	Arrowhead	
AGU 135	J	35 21-5 36-E	Chevron U.S.A.	W A Ramsay (NCT-A)	8	ACTIVE	Arrowhead	
AGU 136	K	35 21-5 36-E	Chevron U.S.A.	W A Ramsay (NCT-A)	10	ACTIVE	Eumont Oil	
	L	35 21-5 36-E	Chevron U.S.A.	W A Ramsay (NCT-A)	19	ACTIVE	Eumont Oil	
	M	35 21-5 36-E	Chevron U.S.A.	W A Ramsay (NCT-A)	12	ACTIVE	Eumont Gas	
	N	35 21-5 36-E	Chevron U.S.A.	W A Ramsay (NCT-A)	7	ACTIVE	Eumont Gas	
	O	35 21-5 36-E	Chevron U.S.A.	W A Ramsay (NCT-A)	3	ACTIVE	Eumont Gas	
AGU 140	P	35 21-5 36-E	Chevron U.S.A.	W A Ramsay (NCT-A)	4	ACTIVE	Arrowhead	
	A	36 21-5 36-E	Chevron U.S.A.	Harry Leonard (NCT-C)	12	ACTIVE	Drinkard	
	B	36 21-5 36-E	Chevron U.S.A.	Harry Leonard (NCT-C)	9	ACTIVE	Eumont Gas	
	B	36 21-5 36-E	Chevron U.S.A.	Harry Leonard (NCT-C)	13	ACTIVE	Drinkard	
AGU 119	*	C 36 21-5 36-E	Chevron U.S.A.	Harry Leonard (NCT-C)	5	ACTIVE	Arrowhead	
	C	36 21-5 36-E	Chevron U.S.A.	Harry Leonard (NCT-C)	17	ACTIVE	Drinkard	
	D	36 21-5 36-E	Chevron U.S.A.	Harry Leonard (NCT-C)	4	ACTIVE	Eumont Gas	
AGU 120	D	36 21-5 36-E	Chevron U.S.A.	Harry Leonard (NCT-C)	20	ACTIVE	Arrowhead	
AGU 126	*	E 36 21-5 36-E	Chevron U.S.A.	Harry Leonard (NCT-C)	3	ACTIVE	Arrowhead	
	E	36 21-5 36-E	Chevron U.S.A.	Harry Leonard (NCT-C)	19	ACTIVE	Blinebry	
AGU 127	F	36 21-5 36-E	Chevron U.S.A.	Harry Leonard (NCT-C)	6	ACTIVE	Arrowhead	
	F	36 21-5 36-E	Chevron U.S.A.	Harry Leonard (NCT-C)	18	ACTIVE	Blinebry	
	G	36 21-5 36-E	Chevron U.S.A.	Harry Leonard (NCT-C)	7	ACTIVE	Eumont Gas	
	G	36 21-5 36-E	Chevron U.S.A.	Harry Leonard (NCT-C)	15	ACTIVE	Drinkard	
	H	36 21-5 36-E	Chevron U.S.A.	Harry Leonard (NCT-C)	8	ACTIVE	Eumont Gas	
	H	36 21-5 36-E	Chevron U.S.A.	Harry Leonard (NCT-C)	14	ACTIVE	Drinkard	
	I	36 21-5 36-E	Jack Markham	State 36	1	ACTIVE	Blinebry/DRK	
	J	36 21-5 36-E	APCO Oil & Gas	State D DE	2	P&A	Arrowhead	
	J	36 21-5 36-E	Hanson Operating	Shell State	2	ACTIVE	Blinebry	
AGU 132	*	K 36 21-5 36-E	Chevron U.S.A.	Harry Leonard (NCT-C)	2	ACTIVE	Arrowhead	
	K	36 21-5 36-E	Chevron U.S.A.	Harry Leonard (NCT-C)	11	P&A	Blinebry	

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AGU 141	*	K 36 21-5 36-E	Chevron U.S.A.	Harry Leonard (NCT-C)	16	ACTIVE	Drinkard	
AGU 133		L 36 21-5 36-E	OXY U.S.A.	State 'M'	2	ACTIVE	Arrowhead	
AGU 142		M 36 21-5 36-E	OXY U.S.A.	State 'M'	1	ACTIVE	Arrowhead	
		N 36 21-5 36-E	Chevron U.S.A.	Harry Leonard (NCT-C)	1	ACTIVE	Arrowhead	
AGU 143	*	N 36 21-5 36-E	Chevron U.S.A.	Harry Leonard (NCT-C)	10	SI	Blinebry	10/84
		O 36 21-5 36-E	ARCO Oil & Gas	State O DE	1	ACTIVE	Arrowhead	
		O 36 21-5 36-E	Hanson Operating	Shell State	1	ACTIVE	Blinebry	
		O 36 21-5 36-E	Meridian	Shell State Com D	12	ACTIVE	Eumont Gas	
		O 36 21-5 36-E	Shell Western	State D	1	O&A	-	
		P 36 21-5 36-E	Gribble	State	1	P&A	-	Never Produced
		P 36 21-5 36-E	Jack Markham	State 36	2	ACTIVE	Drinkard	
		D 30 21-5 37-E	Texaco	V M Henderson	10	ACTIVE	Pen/Pad/DRK	
		E 30 21-5 37-E	Texaco	V M Henderson	8	P&A	Pen/Pad/DRK	
		L 30 21-5 37-E	Chevron U.S.A.	Mattern	1	ACTIVE	Blinebry	
		M 30 21-5 37-E	Chevron U.S.A.	H T Mattern (NCT-B)	14	ACTIVE	Drinkard	
		D 31 21-5 37-E	Chevron U.S.A.	H T Mattern (NCT-B)	16	ACTIVE	Drinkard	
		E 31 21-5 37-E	Chevron U.S.A.	H T Mattern (NCT-B)	12	SI	Penrose Skelly	9/75
		E 31 21-5 37-E	Chevron U.S.A.	H T Mattern (NCT-B)	19	ACTIVE	Drinkard	
		L 31 21-5 37-E	Amerada Hess	Gill Deep	2	ACTIVE	Blinebry/DRK	
		L 31 21-5 37-E	American Explor.	Gill 'A'	1	ACTIVE	Penrose Skelly	
		M 31 21-5 37-E	Amerada Hess	Gill Deep	1	ACTIVE	Drinkard	
		M 31 21-5 37-E	American Explor.	Gill	1	ACTIVE	Eumont Gas	
		M 31 21-5 37-E	American Explor.	Gill 'A'	2	ACTIVE	Penrose Skelly	
AGU 146	*	A 1 22-5 36-E	Chevron U.S.A.	H T Mattern (NCT-F)	2	ACTIVE	Arrowhead	
AGU 147		A 1 22-5 36-E	Chevron U.S.A.	H T Mattern (NCT-F)	3	SI	Blinebry	8/90
		B 1 22-5 36-E	Chevron U.S.A.	H T Mattern (NCT-F)	1	ACTIVE	Arrowhead	
		B 1 22-5 36-E	Chevron U.S.A.	H T Mattern (NCT-F)	4	SI	Blinebry/DRK	8/90
		C 1 22-5 36-E	Marathon	C J Saunders	1	ACTIVE	Eumont Gas	
AGU 149		C 1 22-5 36-E	Marathon	C J Saunders	3	ACTIVE	Blinebry	
AGU 158	*	D 1 22-5 36-E	Marathon	C J Saunders	2	ACTIVE	Arrowhead	
AGU 159		E 1 22-5 36-E	CONOCO Inc.	Lockhart B-1 Fed.	1	ACTIVE	Arrowhead	
		F 1 22-5 36-E	CONOCO Inc.	Lockhart B-1 Fed.	2	ACTIVE	Arrowhead	

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NEW WELLNO	WTC	LOCATION	OPERATOR	LEASE	WELLNO	STATUS	POOL	COMMENT
AGU 160	*	6 1 22-5 36-E	CONOCO Inc.	Lockhart B-1 Fed.	4	ACTIVE	Eumont Gas	
AGU 161		6 1 22-5 36-E	CONOCO Inc.	Lockhart B-1 Fed.	7	ACTIVE	Arrowhead	
AGU 166		H 1 22-5 36-E	CONOCO Inc.	Lockhart B-1 Fed.	8	SI	Arrowhead	
AGU 167	*	I 1 22-5 36-E	CONOCO Inc.	Lockhart B-1 Fed.	9	ACTIVE	BLinebry/DRK	
AGU 168		J 1 22-5 36-E	CONOCO Inc.	Lockhart B-1 Fed.	3	ACTIVE	Arrowhead	
AGU 177	*	K 1 22-5 36-E	Chevron U.S.A.	H T Mattern (NCT-E)	2	ACTIVE	Arrowhead	
AGU 179	*	L 1 22-5 36-E	Chevron U.S.A.	H T Mattern (NCT-E)	1	ACTIVE	Arrowhead	
AGU 150	*	M 1 22-5 36-E	Chevron U.S.A.	H T Mattern (NCT-E)	4	ACTIVE	Arrowhead	
AGU 151		N 1 22-5 36-E	Chevron U.S.A.	H T Mattern (NCT-E)	10	ACTIVE	Eumont Gas	
AGU 152	*	O 1 22-5 36-E	CONOCO Inc.	Lockhart B-1 Fed.	5	ACTIVE	Arrowhead	
AGU 156	*	P 1 22-5 36-E	CONOCO Inc.	Lockhart B-1 Fed.	6	ACTIVE	Eumont Gas	
AGU 157		R 2 22-5 36-E	CONOCO Inc.	State J-2	4	ACTIVE	Arrowhead	
AGU 169	*	A 2 22-5 36-E	CONOCO Inc.	State J-2	13	D&A	-	
AGU 171	*	B 2 22-5 36-E	CONOCO Inc.	State J-2	1	ACTIVE	Arrowhead	
AGU 172		C 2 22-5 36-E	CONOCO Inc.	State J-2	11	ACTIVE	Arrowhead	
AGU 175	*	D 2 22-5 36-E	CONOCO Inc.	State J-2	12	SI	Eumont Gas	O/P 10/75
AGU 176		E 2 22-5 36-E	CONOCO Inc.	State J-2	10	SI	Arrowhead	
		F 2 22-5 36-E	CONOCO Inc.	State J-2	8	P&A	Arrowhead	
		G 2 22-5 36-E	CONOCO Inc.	State J-2	9	ACTIVE	Arrowhead	
		H 2 22-5 36-E	CONOCO Inc.	State J-2	3	ACTIVE	Arrowhead	
		I 2 22-5 36-E	CONOCO Inc.	State J-2	2	ACTIVE	Arrowhead	
		J 2 22-5 36-E	CONOCO Inc.	State J-2	7	SI	Eumont Gas	O/P 10/76
		K 2 22-5 36-E	OXY U.S.A.	State 'N'	2	TR'D	Arrowhead	
		L 2 22-5 36-E	OXY U.S.A.	State 'N'	3	ACTIVE	Arrowhead	
		M 2 22-5 36-E	OXY U.S.A.	State 'N'	4	TR'D	Arrowhead	9/80
		N 2 22-5 36-E	OXY U.S.A.	State 'N'	5	ACTIVE	Eumont Gas	
		O 2 22-5 36-E	CONOCO Inc.	State J-2	1	P&A	Arrowhead	
		P 2 22-5 36-E	CONOCO Inc.	State J-2	6	ACTIVE	Arrowhead	
		A 3 22-5 36-E	Chevron U.S.A.	Harry Leonard (NCT-D)	5	ACTIVE	Arrowhead	
		B 3 22-5 36-E	Chevron U.S.A.	Harry Leonard (NCT-D)	2	ACTIVE	Eumice, 5	
		C 3 22-5 36-E	Chevron U.S.A.	Harry Leonard (NCT-D)	1	ACTIVE	Eumice, 5	
		I 3 22-5 36-E	Chevron U.S.A.	Harry Leonard (NCT-D)	4	ACTIVE	Eumice, 5	

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AGU 189	*	A 11 22-5 36-E	Hal J Rasmussen	State A AC2	13	ACTIVE	Arrowhead	
		B 11 22-5 36-E	Hal J Rasmussen	State A AC2	14	SI	Jalmat Gas	3/89
		C 11 22-5 36-E	Hal J Rasmussen	State A AC2	15	TR'D	Eunice, S	8/89
		G 11 22-5 36-E	Hal J Rasmussen	State A AC2	18	P&A	Arrowhead	
AGU 193		H 11 22-5 36-E	Hal J Rasmussen	State A AC2	17	TR'D	Arrowhead	11/75
AGU 207		I 11 22-5 36-E	Hal J Rasmussen	State A AC2	16	SI	Arrowhead	8/89
		P 11 22-5 36-E	Hal J Rasmussen	State A AC2	73	ACTIVE	Jalmat Gas	
AGU 185	*	A 12 22-5 36-E	Chevron U.S.A.	H T Mattern (NCT-E)	12	ACTIVE	Arrowhead	
		A 12 22-5 36-E	Chevron U.S.A.	H T Mattern (NCT-E)	14	ACTIVE	Drinkard	
		B 12 22-5 36-E	Chevron U.S.A.	H T Mattern (NCT-E)	11	ACTIVE	Eumont Gas	
AGU 187	*	C 12 22-5 36-E	Chevron U.S.A.	H T Mattern (NCT-E)	9	ACTIVE	Arrowhead	
AGU 188		D 12 22-5 36-E	Chevron U.S.A.	H T Mattern (NCT-E)	3	ACTIVE	Arrowhead	
		E 12 22-5 36-E	Chevron U.S.A.	H T Mattern (NCT-E)	5	P&A	Arrowhead	
		E 12 22-5 36-E	Chevron U.S.A.	H T Mattern (NCT-E)	15	ACTIVE	Eumont Oil	
AGU 195		F 12 22-5 36-E	Chevron U.S.A.	H T Mattern (NCT-E)	6	ACTIVE	Arrowhead	
AGU 196	*	G 12 22-5 36-E	Chevron U.S.A.	H T Mattern (NCT-E)	7	ACTIVE	Arrowhead	
		H 12 22-5 36-E	Chevron U.S.A.	H T Mattern (NCT-E)	8	P&A	Arrowhead	
		H 12 22-5 36-E	Chevron U.S.A.	H T Mattern (NCT-E)	13	ACTIVE	Drinkard	
		I 12 22-5 36-E	ARCO Oil & Gas	State '157-0'	4	ACTIVE	Eumont Gas	
		I 12 22-5 36-E	ARCO Oil & Gas	State '157-0'	13	ACTIVE	Drinkard	
		J 12 22-5 36-E	ARCO Oil & Gas	State '157-0'	3	P&A	Arrowhead	
AGU 204		J 12 22-5 36-E	ARCO Oil & Gas	State '157-0'	11	TR'D	Arrowhead	
		K 12 22-5 36-E	ARCO Oil & Gas	State '157-0'	2	P&A	Arrowhead	
		K 12 22-5 36-E	ARCO Oil & Gas	State '157-0'	14	ACTIVE	Drinkard	
AGU 206		L 12 22-5 36-E	ARCO Oil & Gas	State '157-0'	1	ACTIVE	Arrowhead	
		M 12 22-5 36-E	ARCO Oil & Gas	State '157-0'	8	P&A	Arrowhead	
		M 12 22-5 36-E	ARCO Oil & Gas	State '157-0'	15	ACTIVE	Drinkard	
		N 12 22-5 36-E	ARCO Oil & Gas	State '157-0'	7	ACTIVE	Eumont Gas	
		N 12 22-5 36-E	ARCO Oil & Gas	State '157-0'	12	ACTIVE	Drinkard	
		O 12 22-5 36-E	ARCO Oil & Gas	State '157-0'	6	P&A	Arrowhead	
		O 12 22-5 36-E	ARCO Oil & Gas	State '157-0'	10	ACTIVE	Drinkard	
		P 12 22-5 36-E	ARCO Oil & Gas	State '157-0'	5	P&A	Arrowhead	

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	P	12 22-5 36-E	ARCO Oil & Gas	State '157-D'	9	ACTIVE	Drinkard	
	A	13 22-5 36-E	Marathon	McDonald State	11	ACTIVE	Eumont Oil	
	A	13 22-5 36-E	Marathon	McDonald State	30	ACTIVE	Drinkard	
AGU 221	B	13 22-5 36-E	Marathon	McDonald State	12	TA'D	Arrowhead	12/75
	B	13 22-5 36-E	Marathon	McDonald State	32	ACTIVE	Drinkard	
AGU 222 *	C	13 22-5 36-E	Marathon	McDonald State	13	ACTIVE	Arrowhead	
	C	13 22-5 36-E	Marathon	McDonald State	34	ACTIVE	Drinkard	
AGU 223	D	13 22-5 36-E	Marathon	McDonald State	14	ACTIVE	Arrowhead	
	F	13 22-5 36-E	Marathon	McDonald State	16	P&A	Arrowhead	
	G	13 22-5 36-E	Marathon	McDonald State	18	P&A	Arrowhead	
	G	13 22-5 36-E	Marathon	McDonald State	31	ACTIVE	Drinkard	
	H	13 22-5 36-E	Marathon	McDonald State	17	TA'D	Arrowhead	12/75
	H	13 22-5 36-E	Marathon	McDonald State	29	ACTIVE	Drinkard	
	I	13 22-5 36-E	Marathon	McDonald State	19	P&A	Arrowhead	
	I	13 22-5 36-E	Marathon	McDonald State	33	TA'D	Blinebry	12/86
AGU 236	J	13 22-5 36-E	Marathon	McDonald State	22	TA'D	Arrowhead	12/75
	J	13 22-5 36-E	Marathon	McDonald State	26	ACTIVE	Eumont Oil	
	K	13 22-5 36-E	Marathon	McDonald State	24	P&A	Arrowhead	
	O	13 22-5 36-E	Marathon	McDonald State	23	P&A	Arrowhead	
	P	13 22-5 36-E	Marathon	McDonald State	20	P&A	Arrowhead	
	A	14 22-5 36-E	Marathon	McDonald State	15	P&A	Arrowhead	
	A	24 22-5 36-E	ARCO Oil & Gas	McDonald MN State	21	ACTIVE	Jalmat Gas	
	H	24 22-5 36-E	Marathon	McDonald State	27	TA'D	Eumice, 5	6/73
	C	6 22-5 37-E	Chevron U.S.A.	H T Mattern (NCT-D)	10	ACTIVE	Tubb/DRK	
	D	6 22-5 37-E	Chevron U.S.A.	H T Mattern (NCT-D)	7	P&A	Arrowhead	
	D	6 22-5 37-E	Chevron U.S.A.	H T Mattern (NCT-D)	9	ACTIVE	Tubb/DRK	
	E	6 22-5 37-E	Chevron U.S.A.	H T Mattern (NCT-D)	8	ACTIVE	Blinebry/DRK	
	F	6 22-5 37-E	Chevron U.S.A.	H T Mattern (NCT-D)	11	ACTIVE	B/T/D	
	K	6 22-5 37-E	Chevron U.S.A.	H T Mattern (NCT-D)	1	P&A	Arrowhead	
	K	6 22-5 37-E	Chevron U.S.A.	H T Mattern (NCT-D)	12	ACTIVE	B/T/D	
	L	6 22-5 37-E	Martindale Pet.	PanCana Fed.	2	ACTIVE	Drinkard	
	M	6 22-5 37-E	Martindale Pet.	PanCana Fed.	1	ACTIVE	B/T/D	

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	M	6 22-5 37-E	Meridian	Elliott B-6	1	ACTIVE	Eumont Gas	
	N	6 22-5 37-E	Chevron U.S.A.	H T Mattern (NCT-D)	6	ACTIVE	Eumont Gas	
	N	6 22-5 37-E	Chevron U.S.A.	H T Mattern (NCT-D)	13	ACTIVE	B/T/D	
	O	6 22-5 37-E	Dallas McCasland	Elliott	1	ACTIVE	Eumont Oil	
	C	7 22-5 37-E	Chevron U.S.A.	H T Mattern (NCT-D)	5	P&A	Arrowhead	
	C	7 22-5 37-E	Chevron U.S.A.	H T Mattern (NCT-D)	14	ACTIVE	B/T/D	
AGU 184	D	7 22-5 37-E	Chevron U.S.A.	H T Mattern (NCT-D)	4	ACTIVE	Arrowhead	
	D	7 22-5 37-E	Chevron U.S.A.	H T Mattern (NCT-D)	15	ACTIVE	Tubb/DRK	
AGU 198 *	E	7 22-5 37-E	Chevron U.S.A.	H T Mattern (NCT-D)	2	ACTIVE	Arrowhead	
	E	7 22-5 37-E	Chevron U.S.A.	H T Mattern (NCT-D)	16	ACTIVE	Blinebry	
	F	7 22-5 37-E	Chevron U.S.A.	H T Mattern (NCT-D)	3	P&A	Arrowhead	
	F	7 22-5 37-E	Chevron U.S.A.	H T Mattern (NCT-D)	17	ACTIVE	Blinebry	
	G	7 22-5 37-E	Zia Energy	Elliott 'B'	5	ACTIVE	Penrose Skelly	
	I	7 22-5 37-E	Martindale Pet.	Mattern	3	ACTIVE	Drinkard	
	J	7 22-5 37-E	Martindale Pet.	Mattern	2	ACTIVE	Drinkard	
	K	7 22-5 37-E	Martindale Pet.	Mattern	1	ACTIVE	Drinkard	
AGU 201 *	K	7 22-5 37-E	Meridian	Mattern	2	TA'D	Arrowhead	11/75
	L	7 22-5 37-E	Meridian	Mattern	1	ACTIVE	Eumont Gas	
	M	7 22-5 37-E	Martindale Pet.	Little V	2	ACTIVE	Drinkard	
	M	7 22-5 37-E	Chevron U.S.A.	Mattern	6	TA'D	Arrowhead	12/75
	N	7 22-5 37-E	Martindale Pet.	Little V	1	ACTIVE	Drinkard	
	N	7 22-5 37-E	Chevron U.S.A.	Mattern	7	ACTIVE	Eumont Gas	
	O	7 22-5 37-E	Martindale Pet.	Little V	3	ACTIVE	Drinkard	
	O	7 22-5 37-E	Chevron U.S.A.	Mattern	5	TA'd	Arrowhead	12/75
	P	7 22-5 37-E	Martindale Pet.	Little V	4	ACTIVE	Drinkard	
	L	8 22-5 37-E	Texaco	C P Falby Fed	4	ACTIVE	Drinkard	
	M	8 22-5 37-E	Chevron U.S.A.	SP5U	180	P&A	Penrose Skelly	
	O	17 22-5 37-E	Adobe Oil	State	1	P&A	Eumont Oil	
	D	17 22-5 37-E	Zia Energy	New Mexico "M" State	48	ACTIVE	B/T/D	
	E	17 22-5 37-E	Adobe Oil	State	2	P&A	Eumont Oil	
	L	17 22-5 37-E	Zia Energy	Adobe State	3	ACTIVE	Eumont Oil	
	M	17 22-5 37-E	American Exploration	New Mexico "M" State	12	ACTIVE	Eumont Oil	

ARROWHEAD GRAYBURG UNIT
WELL INFORMATION
1/2 MILE RADIUS OF REVIEW

NEW WELLNO	WIC	LOCATION	OPERATOR	LEASE	WELLNO	STATUS	POOL	COMMENT
AGU 216	A	18 22-5 37-E	Chevron U.S.A.	A L Christmas (NCT-C)	8	ACTIVE	Arrowhead	
	A	18 22-5 37-E	Chevron U.S.A.	A L Christmas (NCT-C)	13	ACTIVE	Drinkard	
	B	18 22-5 37-E	Martindale Pet.	Deck Federal	1	ACTIVE	Blinebry/DRK	
	B	18 22-5 37-E	Sun Oil	Ruby Crosby	2	P&A	Arrowhead	
	C	18 22-5 37-E	Meridian	Ruby Crosby	1	ACTIVE	Eumont Gas	
	C	18 22-5 37-E	Martindale Pet.	Deck Federal	2	ACTIVE	Drinkard	
	D	18 22-5 37-E	Chevron U.S.A.	A L Christmas (NCT-C)	1	P&A	Arrowhead	
	D	18 22-5 37-E	Chevron U.S.A.	A L Christmas (NCT-C)	14	ACTIVE	Drinkard	
	D	18 22-5 37-E	Chevron (D Hartman)	A L Christmas	1	ACTIVE	Eumont Oil	
	E	18 22-5 37-E	Chevron U.S.A.	A L Christmas (NCT-C)	4	P&A	Arrowhead	
	E	18 22-5 37-E	Chevron U.S.A.	A L Christmas (NCT-C)	12	ACTIVE	Drinkard	
	F	18 22-5 37-E	Chevron U.S.A.	A L Christmas (NCT-C)	2	P&A	Arrowhead	
	F	18 22-5 37-E	Chevron U.S.A.	A L Christmas (NCT-C)	10	ACTIVE	Drinkard	
	G	18 22-5 37-E	Chevron U.S.A.	A L Christmas (NCT-C)	3	P&A	Arrowhead	
	G	18 22-5 37-E	Chevron U.S.A.	A L Christmas (NCT-C)	9	ACTIVE	Blinebry	
	H	18 22-5 37-E	Chevron U.S.A.	A L Christmas (NCT-C)	7	ACTIVE	Eumont Gas	
	H	18 22-5 37-E	Chevron U.S.A.	A L Christmas (NCT-C)	11	ACTIVE	Drinkard	
	I	18 22-5 37-E	American Exploration	New Mexico "M" State	8	SI	Langlie Mattix	1/90
AGU 232	J	18 22-5 37-E	American Exploration	New Mexico "M" State	1	ACTIVE	Langlie Mattix	
	J	18 22-5 37-E	Zia Energy	New Mexico "M" State	49	ACTIVE	Eumice 5/A, SW	
AGU 233	K	18 22-5 37-E	Amerada Hess	State PA	1	P&A	Arrowhead	
	K	18 22-5 37-E	Amerada Hess	State PA	4	ACTIVE	Arrowhead	
	L	18 22-5 37-E	Chevron U.S.A.	A L Christmas (NCT-C)	5	P&A	Arrowhead	
	L	18 22-5 37-E	Chevron U.S.A.	A L Christmas (NCT-C)	15	ACTIVE	Blinebry	
	M	18 22-5 37-E	Chevron U.S.A.	A L Christmas (NCT-C)	6	P&A	Arrowhead	
	M	18 22-5 37-E	Chevron U.S.A.	A L Christmas (NCT-C)	16	ACTIVE	Blinebry	
	N	18 22-5 37-E	Amerada Hess	State PA	2	P&A	Arrowhead	
	N	18 22-5 37-E	Amerada Hess	State PA	5	ACTIVE	Eumont Gas	
	N	18 22-5 37-E	Rice Engineering	Blin-DRK Disposal	N-18	ACTIVE	San Andres	Disposal
	O	18 22-5 37-E	American Exploration	New Mexico "M" State	2	P&A	Arrowhead	
	P	18 22-5 37-E	American Exploration	New Mexico "M" State	3	P&A	Arrowhead	
	A	19 22-5 37-E	American Exploration	New Mexico "M" State	101	SI	Jalmat Oil	8/89

ARROWHEAD GRAYBURG UNIT
WELL INFORMATION
1/2 MILE RADIUS OF REVIEW

NEW WELLNO	WIC	LOCATION	OPERATOR	LEASE	WELLNO	STATUS	POOL	COMMENT
ABU 245	B 19	22-5 37-E	American Exploration	New Mexico "M" State	6	SI	Langlie Mattix	11/89
	C 19	22-5 37-E	American Exploration	New Mexico "M" State	4	SI	Langlie Mattix	11/89
ABU 247	D 19	22-5 37-E	American Exploration	New Mexico "M" State	5	ACTIVE	Langlie Mattix	
	E 19	22-5 37-E	American Exploration	New Mexico "M" State	42	SI	Langlie Mattix	WI
	F 19	22-5 37-E	American Exploration	New Mexico "M" State	43	TR'D	Langlie Mattix	1/76
	G 19	22-5 37-E	EXXON	New Mexico "M" State	7	P&A	Arrowhead	
	G 19	22-5 37-E	American Exploration	New Mexico "M" State	46	ACTIVE	Langlie Mattix	WI
	K 19	22-5 37-E	American Exploration	New Mexico "M" State	33	ACTIVE	Langlie Mattix	WI
	L 19	22-5 37-E	American Exploration	New Mexico "M" State	40	ACTIVE	Langlie Mattix	
	O 20	22-5 37-E	American Exploration	State	1	SI	Langlie Mattix	5/75

ARROWHEAD GRAYBURG UNIT
 LEA COUNTY, NEW MEXICO
 EXISTING & PROPOSED WELL NAME

OPERATOR	LEASE	WELLNO	APINO	NEW WELLNO
Amerada Hess	State 'PA'	4	3002525878	AGU 233 WIC
American Explor.	NM State 'M'	5	3002510362	AGU 247
American Explor.	NM State 'M'	6	3002510359	AGU 245
American Explor.	NM State 'M'	8	3002510355	AGU 231
ARCO	State 'D' DE	1	3002504940	AGU 143 WIC
ARCO	State 157 D	1	3002508890	AGU 206
ARCO	State 157 D	11	3002526478	AGU 204
Chevron U.S.A.	A L Christmas (NCT-C)	8	3002510351	AGU 216
Chevron U.S.A.	Graham State (NCT-J)	1	3002522821	AGU 101
Chevron U.S.A.	Kingwood	2	3002523939	AGU 115 WIC
Chevron U.S.A.	Harry Leonard (NCT-C)	1	3002504928	AGU 142
Chevron U.S.A.	Harry Leonard (NCT-C)	2	3002504929	AGU 132 WIC
Chevron U.S.A.	Harry Leonard (NCT-C)	3	3002504930	AGU 126 WIC
Chevron U.S.A.	Harry Leonard (NCT-C)	5	3002504932	AGU 119 WIC
Chevron U.S.A.	Harry Leonard (NCT-C)	6	3002504933	AGU 127
Chevron U.S.A.	Harry Leonard (NCT-C)	20	3002529093	AGU 120
Chevron U.S.A.	H T Mattern (NCT-D)	2	3002510092	AGU 198 WIC
Chevron U.S.A.	H T Mattern (NCT-D)	4	3002510094	AGU 184
Chevron U.S.A.	H T Mattern (NCT-E)	1	3002508727	AGU 168
Chevron U.S.A.	H T Mattern (NCT-E)	2	3002508728	AGU 167 WIC
Chevron U.S.A.	H T Mattern (NCT-E)	3	3002508880	AGU 188
Chevron U.S.A.	H T Mattern (NCT-E)	4	3002508729	AGU 177 WIC
Chevron U.S.A.	H T Mattern (NCT-E)	6	3002508882	AGU 195
Chevron U.S.A.	H T Mattern (NCT-E)	7	3002508883	AGU 196 WIC
Chevron U.S.A.	H T Mattern (NCT-E)	9	3002508886	AGU 187 WIC
Chevron U.S.A.	H T Mattern (NCT-E)	12	3002508888	AGU 185 WIC
Chevron U.S.A.	H T Mattern (NCT-F)	1	3002508731	AGU 147
Chevron U.S.A.	H T Mattern (NCT-F)	2	3002524021	AGU 146 WIC
Chevron U.S.A.	W A Ramsay (NCT-A)	4	3002504921	AGU 140
Chevron U.S.A.	W A Ramsay (NCT-A)	5	3002504920	AGU 134 WIC
Chevron U.S.A.	W A Ramsay (NCT-A)	8	3002504917	AGU 135
Chevron U.S.A.	W A Ramsay (NCT-A)	9	3002504916	AGU 124 WIC
Chevron U.S.A.	W A Ramsay (NCT-A)	10	3002504915	AGU 136
Chevron U.S.A.	W A Ramsay (NCT-A)	11	3002504914	AGU 121 WIC
Chevron U.S.A.	W A Ramsay (NCT-A)	16	3002504924	AGU 123

ARROWHEAD GRAYBURG UNIT
 LEA COUNTY, NEW MEXICO
 EXISTING & PROPOSED WELL NAME

OPERATOR	LEASE	WELLNO	APINO	NEW WELLNO
Chevron U.S.A.	W A Ramsay (NCT-B)	4	3002521620	AGU 107
Chevron U.S.A.	W A Ramsay (NCT-B)	5	3002523324	AGU 106 WIC
Chevron U.S.A.	Sandy	1	3002523949	AGU 108
Chevron U.S.A.	Sandy	2	3002523995	AGU 116
CONOCO Inc.	Lockhart B-1 Fed.	1	3002508721	AGU 158 WIC
CONOCO Inc.	Lockhart B-1 Fed.	2	3002508723	AGU 159
CONOCO Inc.	Lockhart B-1 Fed.	3	3002524706	AGU 166
CONOCO Inc.	Lockhart B-1 Fed.	5	3002508726	AGU 179 WIC
CONOCO Inc.	Lockhart B-1 Fed.	7	3002524272	AGU 160 WIC
CONOCO Inc.	Lockhart B-1 Fed.	8	3002524528	AGU 161
CONOCO Inc.	State J-2	1	3002508738	AGU 151
CONOCO Inc.	State J-2	2	3002508739	AGU 169 WIC
CONOCO Inc.	State J-2	3	3002508740	AGU 157
CONOCO Inc.	State J-2	4	3002508741	AGU 150 WIC
CONOCO Inc.	State J-2	5	3002508742	AGU 176
CONOCO Inc.	State J-2	6	3002508745	AGU 175 WIC
CONOCO Inc.	State J-2	9	3002508748	AGU 156 WIC
CONOCO Inc.	State J-2	11	3002508743	AGU 152 WIC
Marathon	McDonald State	12	3002508898	AGU 221
Marathon	McDonald State	13	3002508899	AGU 222 WIC
Marathon	McDonald State	14	3002508900	AGU 223
Marathon	McDonald State	22	3002508906	AGU 236
Marathon	C J Saunders	2	3002508733	AGU 149
Meridian	Mattern	2	3002510098	AGU 201 WIC
OXY USA	State 'M'	1	3002504938	AGU 141 WIC
OXY USA	State 'M'	2	3002504939	AGU 133
OXY USA	State 'N'	2	3002508744	AGU 171 WIC
OXY USA	State 'N'	3	3002508735	AGU 172
Hal J Rasmussen	State A AC2	13	3002508872	AGU 189 WIC
Hal J Rasmussen	State A AC2	16	3002508875	AGU 207
Hal J Rasmussen	State A AC2	17	3002508876	AGU 193

ARROWHEAD GRAYBURG UNIT
PROPOSED INJECTION WELL CONVERSIONS

Proposed Well Number	Lease Name	Wellno	Footage	Unit/Sec/TWS/RNG	Operator	Pool
AGU 106 WIC	W A RAMSAY (NCT-B)	5	2105 FNL & 1650 FEL	6 25 21 5 36 E	Chevron	Penrose Skelly
AGU 115 WIC	KINGWOOD	2	660 FSL & 1650 FEL	0 25 21 5 36 E	Chevron	Penrose Skelly
AGU 119 WIC	HARRY LEONARD (NCT-C)	5	660 FNL & 1980 FNL	C 36 21 5 36 E	Chevron	Arrowhead
AGU 121 WIC	W A RAMSAY (NCT-A)	11	660 FNL & 660 FEL	A 35 21 5 36 E	Chevron	Arrowhead
AGU 124 WIC	W A RAMSAY (NCT-A)	9	1980 FNL & 1980 FEL	G 35 21 5 36 E	Chevron	Eumont Oil
AGU 126 WIC	HARRY LEONARD (NCT-C)	3	1980 FNL & 660 FNL	E 36 21 5 36 E	Chevron	Arrowhead
AGU 132 WIC	HARRY LEONARD (NCT-C)	2	1980 FSL & 1980 FNL	K 36 21 5 36 E	Chevron	Arrowhead
AGU 134 WIC	W A RAMSAY (NCT-A)	5	1980 FSL & 660 FEL	I 35 21 5 36 E	Chevron	Arrowhead
AGU 141 WIC	STATE 'M'	1	660 FSL & 660 FNL	M 36 21 5 36 E	OXY USA	Arrowhead
AGU 143 WIC	STATE 'D' DE	1	330 FSL & 2310 FEL	0 36 21 5 36 E	ARCO	Arrowhead
AGU 146 WIC	H T MATTERN (NCT-F)	2	660 FNL & 660 FEL	A 1 22 5 36 E	Chevron	Arrowhead
AGU 150 WIC	STATE J-2	4	660 FNL & 660 FEL	A 2 22 5 36 E	CONOCO	Arrowhead
AGU 152 WIC	STATE J-2	11	660 FNL & 1980 FNL	C 2 22 5 36 E	CONOCO	Arrowhead
AGU 156 WIC	STATE J-2	9	1980 FNL & 1980 FEL	G 2 22 5 36 E	CONOCO	Arrowhead
AGU 158 WIC	LOCKHART B-1 FED.	1	1980 FNL & 660 FNL	E 1 22 5 36 E	CONOCO	Arrowhead
AGU 160 WIC	LOCKHART B-1 FED.	7	1980 FNL & 1830 FEL	G 1 22 5 36 E	CONOCO	Arrowhead
AGU 167 WIC	H T MATTERN (NCT-E)	2	1980 FSL & 1980 FNL	K 1 22 5 36 E	Chevron	Arrowhead
AGU 169 WIC	STATE J-2	2	1980 FSL & 660 FEL	I 2 22 5 36 E	CONOCO	Arrowhead
AGU 171 WIC	STATE 'N'	2	2310 FSL & 2310 FNL	K 2 22 5 36 E	OXY USA	Arrowhead
AGU 175 WIC	STATE J-2	6	660 FSL & 1980 FEL	0 2 22 5 36 E	CONOCO	Arrowhead
AGU 177 WIC	H T MATTERN (NCT-E)	4	660 FSL & 660 FNL	M 1 22 5 36 E	Chevron	Arrowhead
AGU 179 WIC	LOCKHART B-1 FED.	5	660 FSL & 1980 FEL	0 1 22 5 36 E	CONOCO	Arrowhead
AGU 185 WIC	H T MATTERN (NCT-E)	12	660 FNL & 660 FEL	S 12 22 5 36 E	Chevron	Arrowhead
AGU 187 WIC	H T MATTERN (NCT-E)	9	660 FNL & 1980 FNL	C 12 22 5 36 E	Chevron	Arrowhead
AGU 189 WIC	STATE 'A' AC 2	13	660 FNL & 660 FEL	A 11 22 5 36 E	Rasmussen	Arrowhead
AGU 196 WIC	H T MATTERN (NCT-E)	7	2310 FNL & 2310 FEL	G 12 22 5 36 E	Chevron	Arrowhead
AGU 198 WIC	H T MATTERN (NCT-D)	2	2310 FNL & 330 FNL	E 7 22 5 37 E	Chevron	Arrowhead
AGU 201 WIC	MATTERN	2	1650 FSL & 1650 FNL	K 7 22 5 37 E	Chevron	Arrowhead
AGU 222 WIC	MCDONALD STATE AC 2	13	330 FNL & 2310 FNL	C 13 22 5 37 E	Marathon	Arrowhead
AGU 233 WIC	STATE 'PA'	4	2310 FSL & 1980 FNL	K 18 22 5 37 E	Amerada Hess	Arrowhead

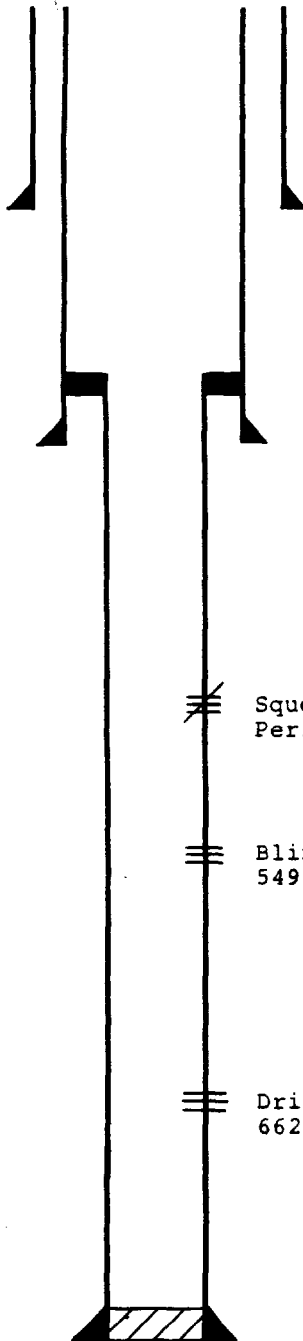
PROPOSED ARROWHEAD GRAYBURG UNIT INJECTION WELLS TO BE DRILLED

LOCATION

<u>WELL NO.</u>	<u>UNIT</u>	<u>SECTION</u>	<u>TWS</u>	<u>RANGE</u>
AGU 110	WI	NE/4 SW/4	25	21-S 36-E
AGU 113	WI	SW/4 SW/4	25	21-S 36-E
AGU 128	WI	SE/4 NE/4	36	21-S 36-E
AGU 139	WI	SW/4 SE/4	35	21-S 36-E
AGU 148	WI	NE/4 NW/4	1	22-S 36-E
AGU 165	WI	NE/4 SE/4	1	22-S 36-E
AGU 181	WI	SW/4 SW/4	6	22-S 37-E
AGU 194	WI	SW/4 NW/4	12	22-S 36-E
AGU 203	WI	NE/4 SE/4	12	22-S 36-E
AGU 205	WI	NE/4 SW/4	12	22-S 36-E
AGU 210	WI	SW/4 SE/4	12	22-S 36-E
AGU 212	WI	SW/4 SW/4	7	22-S 37-E
AGU 214	WI	SW/4 SE/4	7	22-S 37-E
AGU 218	WI	NE/4 NW/4	18	22-S 37-E
AGU 220	WI	NE/4 NE/4	13	22-S 36-E
AGU 225	WI	SW/4 NE/4	13	22-S 36-E
AGU 227	WI	SW/4 NW/4	18	22-S 37-E
AGU 229	WI	SW/4 NE/4	18	22-S 37-E
AGU 235	WI	NE/4 SE/4	13	22-S 36-E
AGU 240	WI	SW/4 SW/4	18	22-S 37-E
AGU 242	WI	SW/4 SE/4	18	22-S 37-E
AGU 246	WI	NE/4 NW/4	19	22-S 37-E

WELL DATA SHEET

Chevron
 LEASE W.A. Ramsay NCT-B WELL NO. 3 FIELD Blinebry/Drinkard DATE 11/1/88
 LOCATION 330 FEET FROM N LINE AND 330 FEET FROM E LINE
 SECTION 25 TOWNSHIP 21-S RANGE 36-E COUNTY Lea STATE NM



GE: 3491 '
 KDB to GE 11 '
 DF to GE 10 '

13 3/8" OD lbs.
 Surf. Pipe set @
362' w/ 350 sx
 Cmt. Circ? Yes

9 5/8" OD 36 lbs.
8rd Thd Gr J-55
 ST&C Csg set at
3678' w/ 375 sx
 Cmt. Circ? No
 TOC at 2210' by
 TS

Squeezed Paddock
 Perfs 5159-5169'

Blinebry Perfs
 5492-5784'

Drinkard Perfs
 6625-6654'

7 " OD
 Gr J-55
23 # Liner set
 @ 3551-6669' w/
659 sx Cmt.
 TOC @ 3551 by TS
 Circ.

Date Completed 7-31-63
 Initial Formation Drinkard
 FROM: 6625 TO: 6654
 Initial Production 194 BOPD 15 BWPD
206 MCFPD 1062 GOR

Completion Data:
7/23/63 - Perforate Drinkard @ 6625,
6645 & 6654 w/ 6 3/4" SPF. Acidize w/
300 gal. 15% gel ret. acid.

Subsequent Workover or Reconditioning:
8/12/63 - Perforated Paddock @ 5159-
5169 w/ 2, 1/2" SPF. Acidized w/ 500
 gal 15% NE Acid. Paddock potential
135 BOPD + 1 BWPD + 56 MCFGPD. 415 GOR

2/7/64 - Put Drinkard on pump.

2/3/69 - Acidized Paddock perfs w/
1500 gal. 28% NE acid. Before: 37 BOPD
 + 2 BWPD. After: 70 BOPD + 53 BWPD.

3/7/72 - Abandoned Drinkard. Per-
 forated Blinebry 5492-96, 5516-20,
5600-04, 5630-34, 5736-40, & 5780-84.
 Acidize w/ 500 gal 15% NE. Frac'd w/
40000 gal. GBW and 0-3 PPG 20-40 sd.
 Blinebry Potential: 25 BOPD + 74 BWPD.
33100 GOR. Dual Blinebry and Paddock.

9/1/86 - Squeeze Paddock, re-entered
 and treated Drinkard w/ 500 gal. 15%
 NEFE HCL. Acid-frac'd w/ 1500 gal. 20%
 DGA w/ 30% CO₂. Dualled Drinkard and
 Blinebry.

4/87 - Blinebry & Drinkard commingled.

Present Prod. _____ BOPD _____ BWPD
 _____ MCFPD _____ GOR
 _____ Date

Remarks or Additional Data:
Liner in 8 3/4" hole.

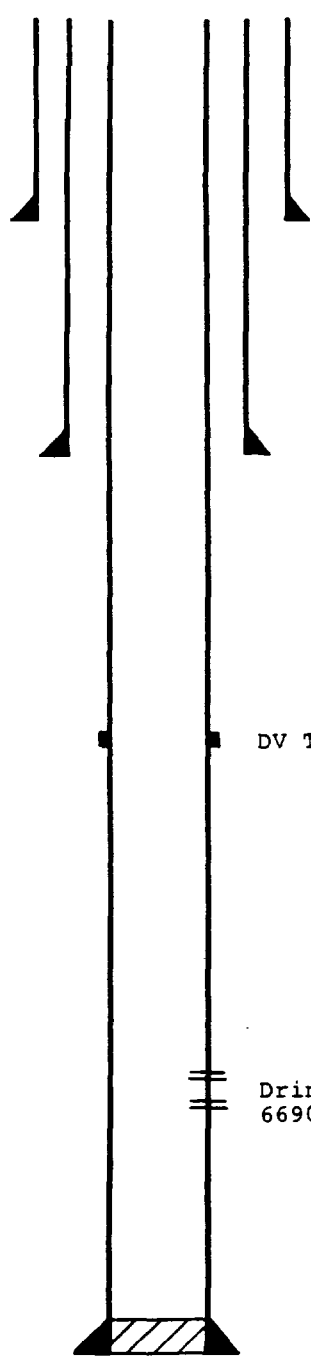
Had to perf 3653 and squeeze to get
good cement at base of intermediate.

PBD 6670 '

TD 6700 '

WELL DATA SHEET

Chevron
LEASE W.A. Ramsay NCT-B WELL NO. 8 FIELD Drinkard DATE 11/1/88
LOCATION 905 FEET FROM N LINE AND 990 FEET FROM E LINE
SECTION 25 TOWNSHIP 21-S RANGE 36-E COUNTY Lea STATE NM



GE: 3515 '
KDB to GE 13 '
DF to GE 12 '

11 3/4" OD 42 lbs
Surf. Pipe set @
385 w/ 275 sx
Cmt. Circ? Yes

8 5/8" OD lbs.
Thd Gr K-55
24&32# Csg set at
2690 w/ 600 sx
Cmt. Circ? Yes
TOC at by
TS

DV Tool at 4485'

Drinkard Perfs
6690-6721'

5 1/2" OD
Gr K-55
15.5# Csg set @
6850 w/ 1075 sx
Cmt. Circ? NO
TOC @ 1400 by TS

Date Completed 3/22/85
Initial Formation Drinkard
FROM: 6690 TO: 6721
Initial Production 27 BOPD 70 BWPD
64 MCFPD 2370 GOR

Completion Data:
3/5/85 - Perforate 6690-94, 6706-10 &
6717-21. Breakdown w/ 300 gal 15% NEFE
acid.

3/7/85 - Acidized w/ 4000 gal. 15%
NEFE w/ 48 balls.

Subsequent Workover or Reconditioning:

Present Prod. BOPD BWPD
 MCFPD GOR
 Date

Remarks or Additional Data:

PBD 6804 '
TD 6850 '

WELL DATA SHEET

Chevron

LEASE Graham State NCT-J WELL NO. 1 FIELD Penrose Skelly DATE 11/1/88

LOCATION 660 FEET FROM N LINE AND 1650 FEET FROM E LINE

SECTION 25 TOWNSHIP 21-S RANGE 36-E COUNTY Lea STATE NM

Date Completed 2-2-69
Initial Formation Grayburg
FROM: 3725 TO: 3797
Initial Production 42 BOPD 62 BWPD
NM MCFPD NA GOR

Completion Data:
2/4/69 - Perforate Paddock 5201-15'.
Acidize w/ 500 gal. 15% NE acid. Set
CIBP at 5150. Perforate Grayburg
3725-27, 3764-66, & 3795-97. Acidized
w/ 500 gal. 15% NE acid. Frac'd w/
20,000 gal. GBW w/ 0-2 ppq sand.

Subsequent Workover or Reconditioning:

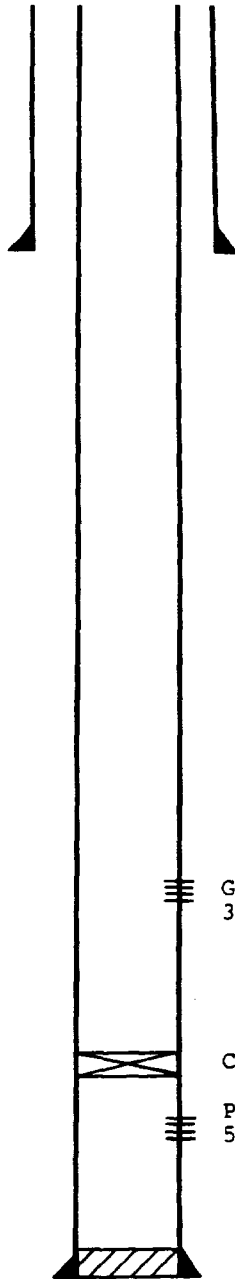
5/69 - Equip to pump.
10/80 - Dump acid w/ 1000 gal. 15%
NEFE. Before: 2 BO + 4 BW. After: 6 BO
+ 23 BW.

Present Prod. _____ BOPD _____ BWPD
_____ MCFPD _____ GOR
Date _____

Remarks or Additional Data:

GE: 3518 '
KDB to GE 10 '
DF to GE _____ '

8 5/8" OD 24 lbs.
Surf. Pipe set @
1312 w/ 450 sx
cmt. Circ? Yes



Grayburg Perfs
3725-3797

CIBP @ 5150

Paddock Perfs
5201-15'

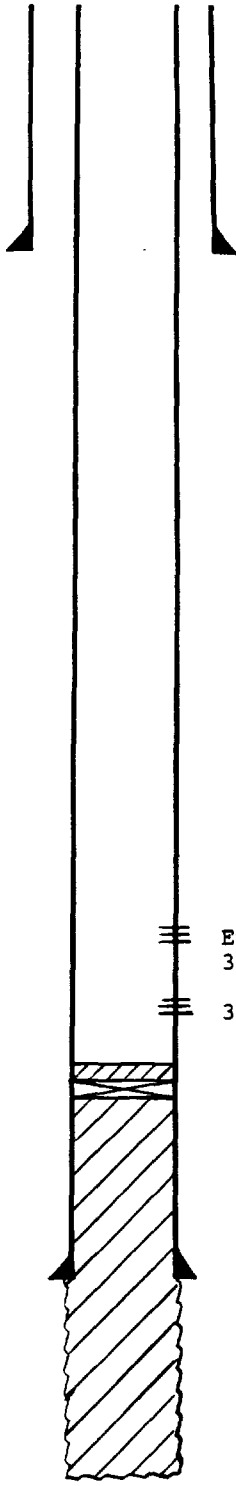
4 1/2 " OD
Gr J-55
11.6# Csg set @
5270 ' w/ 575 sx
Cmt. Circ? No
TOC @ 2355 by TS

PBD 5150 '

TD 5270 '

WELL DATA SHEET

Chevron
LEASE W.A. Ramsay NCT-B WELL NO. 2 FIELD Eumont DATE 11/1/88
LOCATION 1980 FEET FROM N LINE AND 660 FEET FROM W LINE
SECTION 25 TOWNSHIP 21-S RANGE 36-E COUNTY Lea STATE NM



GE: 3555 '
KDB to GE 6.8 '
DF to GE _____

9 5/8" OD _____ lbs.
Surf. Pipe set @
295 w/ 175 sx
cmt. Circ? Yes

Date Completed 11/18/44
Initial Formation Grayburg
FROM: 3746 TO: 3855
Initial Production 180 BOPD 0 BWPD
270 MCFPD 1500 GOR

Completion Data:
10/31/88 - Acidized w/ 2000 gals.

Subsequent Workover or Reconditioning:

1/45 - Ran gas packer to 3823 to shut off water. Would not flow.

6/18/51 - Set retainer @ 3736. Squeezed 3735-3855'. Cap w/ 5' cmt. Perforated 3530-80' and 3630-3720'. Recomplete to Eumont, IP-900 MCFPD.

11/29/51 - Acidized Eumont w/ 500 gal. Before: 900 MCFPD After: 3.8 MMCFPD

3/11/77 - Acidized w/ 1000 gals. 15% Before: 470 MCFPD After: 490 MCFPD

Eumont Perfs
3530-3580'

3630-3720'

cmt retainer @ 3736'

5 1/2" OD
Gr H
14 # Csg set @
3746 ' w/ 200 sx
Cmt. Circ? No
TOC @ 1533 by T8
Calc

Present Prod. _____ BOPD _____ BWPD
_____ MCFPD _____ GOR
_____ Date

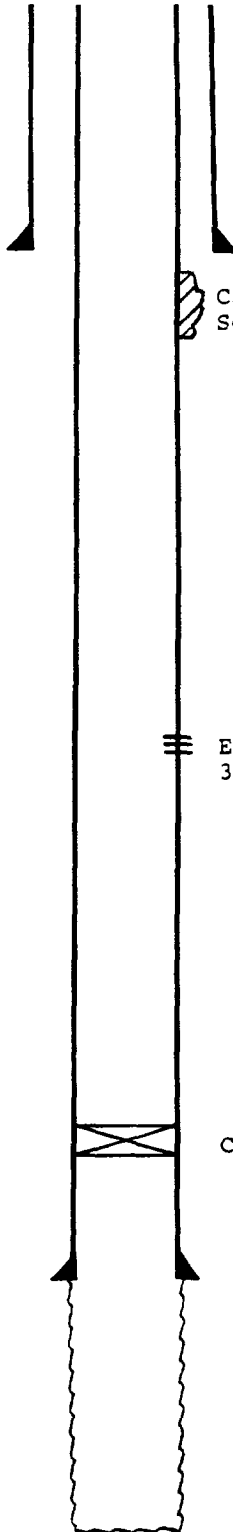
Remarks or Additional Data:
5 1/2 in 6 3/4" hole.

PBD 3731 '

TD 3855 '

WELL DATA SHEET

Chevron
LEASE W.A. Ramsay NCT-B WELL NO. 1 FIELD Eumont DATE 11/1/88
LOCATION 1980 FEET FROM N LINE AND 1980 FEET FROM W LINE
SECTION 25 TOWNSHIP 21-S RANGE 36-E COUNTY Lea STATE NM



GE: 3553 '
KDB to GE 11 '
DF to GE _____'

9 5/8" OD _____ lbs.
Surf. Pipe set @
311 w/ 250 sx
cmt. Circ? Yes

Casing leak 1047-80'
Squeezed w/ 500 sxs

Eumont Perfs
3414-3644'

CIBP @ 3715'

5 1/2 " OD
Gr H _____
14 # Csg set @
3747 ' w/ 250 sx
Cmt. Circ? No
TOC @ 2562 by TS

Date Completed 8/31/44
Initial Formation Arrowhead
FROM: 3747 TO: 3860
Initial Production 504 BOPD 0 BWPD
620 MCFPD 1230 GOR

Completion Data:
OH completion, no treatment.

Subsequent Workover or Reconditioning:

5/9/45 - Acidized w/ 1000 gals. 15% acid.

5/19/70 - 500 gal. 15% NE dump acid.

7/10/71 - 500 gal. 15% NE dump acid.

3/20/73 - Frac'd w/ 20,000 gals. & 30,000 #s 20-40 sand. Pumped 187 BW, NU oil. CI well.

2/9/77 - Set CIBP @ 3715'. Found hole in casing @ 1080'. Squeeze w/ 500 sxs cmt (100 sxs in formation). Perf Eumont at 3414-16', 3473-75', 3524-26', 3556-58', 3642-44'. Broke down perfs w/ 500 gals. acid. Acidized w/ 1700 gals. Frac treated w/ 30,000 gals. GBW w/ 0-2 PPG sand. Potentialled at 958 MCFGPD.

Present Prod. _____ BOPD _____ BWPD
_____ MCFPD _____ GOR
Date _____

Remarks or Additional Data:

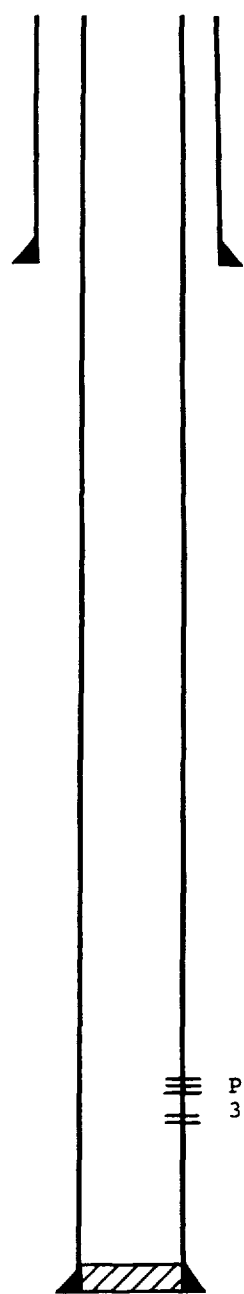
5/2 in 7 7/8" hole

PBD 3715 '

TD 3860 '

WELL DATA SHEET

Chevron
LEASE W.A. Ramsay NCT-B WELL NO. 5 FIELD Penrose Skelly DATE 11-1-88
LOCATION 2105 FEET FROM N LINE AND 1650 FEET FROM E LINE
SECTION 25 TOWNSHIP 21-S RANGE 36-E COUNTY Lea STATE NM



GE: 3528 '
KDB to GE 9 '
DF to GE 8 '

8 5/8" OD lbs.
Surf. Pipe set @
302 w/ 380 sx
cmt. Circ? Yes

≡≡≡ Penrose Perfs
≡≡≡ 3730-3796'

4 1/2 " OD
Gr K-55
11.6# Csg set @
3897 ' w/ 390 sx
Cmt. Circ? No
TOC @ 2000 by TS

Date Completed 11-12-69
Initial Formation Grayburg
FROM: 3730 TO: 3794
Initial Production 137 BOPD 67 BWPD
 NM MCFPD NM GOR

Completion Data:
Perf Grayburg 3730-32', 3768-70',
3794-96', treated w/ 500 gals. Frac'd
w/ 5000 gals. GBW + 15000 # sand.

Subsequent Workover or Reconditioning:
4/7/78 - Install pumping equipment.
9/10/80 - Dumped 1000 gals. 15% acid.

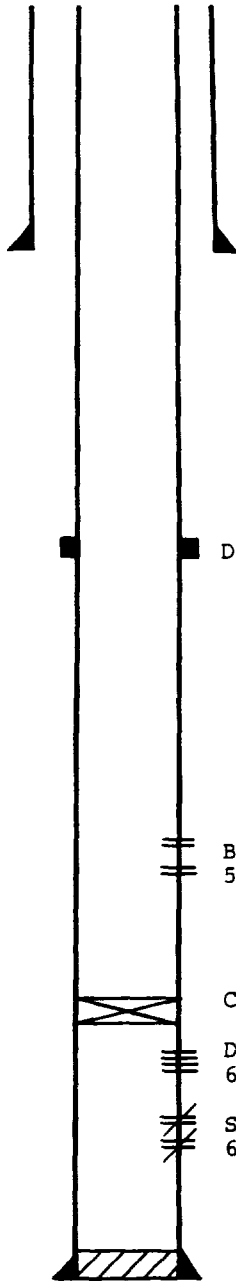
Present Prod. BOPD BWPD
 MCFPD GOR
 Date

Remarks or Additional Data:

PBD 3855 '
TD 3900 '

WELL DATA SHEET

Chevron
LEASE W.A. Ramsay NCT-B WELL NO. 7 FIELD Blinebry DATE 11-1-88
LOCATION 2310 FEET FROM N LINE AND 1900 FEET FROM E LINE
SECTION 25 TOWNSHIP 21-S RANGE 36-E COUNTY Lea STATE NM



GE: 3535 '
KDB to GE 16 '
DF to GE 15 '

8 5/8" OD _____ lbs.
Surf. Pipe set @
1244 w/ 575 sx
cmt. Circ? Yes

DV Tool at 3050'

Blinebry Perfs
5546-5787'

CIBP @ 6500'

Drinkard Perfs
6718'-6720'

Squeezed Drinkard Perfs
6550-6758'

5 1/2 " OD
Gr K-55
15.5# Csg set @
6850 ' w/ 2300 sx
Cmt. Circ? Yes
TOC @ _____ by TS

Date Completed 6-18-77
Initial Formation Blinebry
FROM: 5546 TO: 5787
Initial Production 60 BOPD 4 BWPD
NM MCFPD NM GOR

Completion Data:
Perf Drinkard 6550-52', 6598-6600',
6642-44', 6718-20', 6756-58'. Brcke
down and treated perfs w/ 3700 gals.
15% acid. Test. Squeezed perfs 6718-58
w/ 110 sxs cmt. Reperf 6718-20'.
Acidized all perfs w/ 2250 gals.
Frac'd w/ 7000 gal. GBW and 39500 #'s
20/40 sand. Set CIBP @ 6500'.

6/17/77 - Perf Blinebry 5546-48',
5574-76', 5666-68', 5712-14', & 5785-
87'. Acidized w/ 3800 gals. 15% NEA.
Frac'd w/ 7000 gals. GBW + 32000 #'s
sand.

Subsequent Workover or Reconditioning:

Present Prod. _____ BOPD _____ BOPD
_____ MCFPD _____ GOR
_____ Date _____

Remarks or Additional Data:

PBD 6500 '
TD 6850 '

WELL DATA SHEET

AGU 107

Chevron

LEASE W.A. RAMSAY NCT-B WELL NO. 4 FIELD Penrose Skelly DATE 11/7/88

LOCATION 1650 FEET FROM N LINE AND 330 FEET FROM E LINE

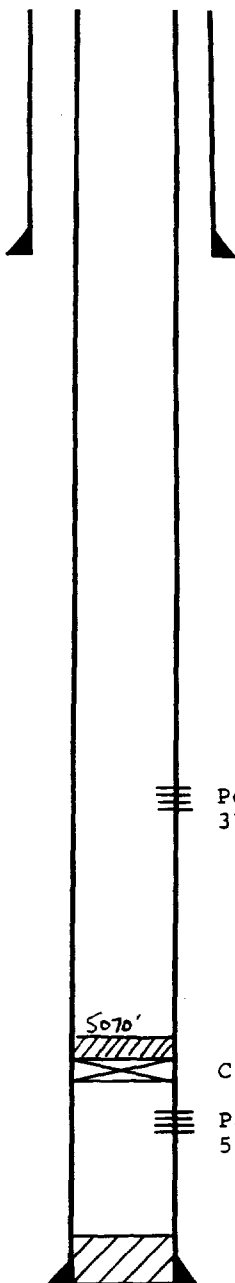
SECTION 25 TOWNSHIP 21-S RANGE 36-E COUNTY Lea STATE NM

GE: 3511 '
KDB to GE 14 '
DF to GE 11 '

Date Completed 2/7/66
Initial Formation Paddock
FROM: 5174 TO: 5184
Initial Production 42 BOPD 1 BWPD
NM MCFPD NM GOR

Completion Data:
Perf Paddock 5174-5184'. Acidize w/
500 gals. 15% NE acid.

8 5/8" OD _____ lbs.
Surf. Pipe set @
1310 w/ 575 sx
cmt. Circ? Yes



Penrose Perfs
3720-3789'

CIBP at 5100'

Paddock Perfs
5174-5184'

4 1/2 " OD
Gr J-55
11.6# Csg set @
5224 ' w/ 445 sx
Cmt. Circ? No
TOC @ 1960 by TS

Subsequent Workover or Reconditioning:

9/67 - Acidized Paddock Perfs w/ 2000
gals. 28%.

3/69 - Set CIBP @ 5100', Capped w/ 2
sx cmt. Perf Grayburg 3718-20',
3760-62', & 3787-89'. Acidized w/ 500
gals. 15% NEA. Frac'd w/ 20,500 gals.
GBW & acid and 41,640 #s sand. IP:
flowed 102 BOPD on 25/64" choke.

6/69 - Install pumping equipment.

8/80 - Repair tbq. leak and dump 1000
gals. acid.

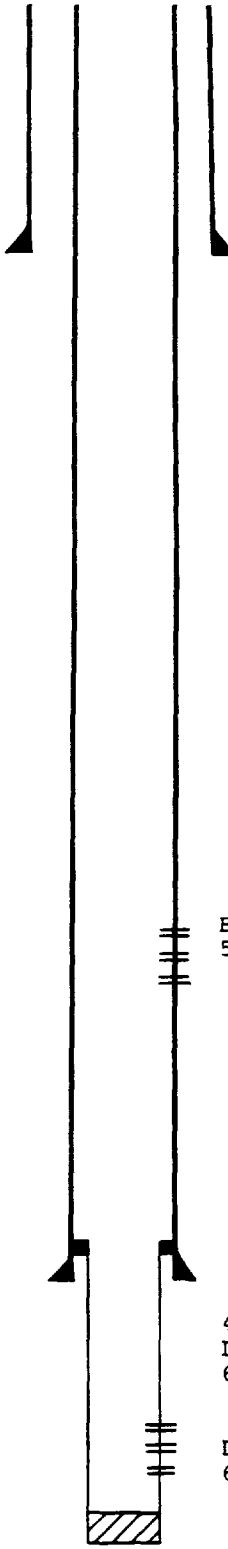
Present Prod. _____ BOPD _____ BWPD
_____ MCFPD _____ GOR
Date _____

Remarks or Additional Data:

PBD 5100 '
TD 5225 '

WELL DATA SHEET

Chevron
 LEASE W.A. Ramsay NCT-B WELL NO. 6 FIELD Blinebry/Drinkard DATE 11/7/88
 LOCATION 2310 FEET FROM N LINE AND 430 FEET FROM E LINE
 SECTION 25 TOWNSHIP 21-S RANGE 36-E COUNTY Lea STATE NM



GE: 3520 '
 KDB to GE 11.25 '
 DF to GE _____'

8 5/8" OD _____ lbs.
 Surf. Pipe set @
1223 w/ 300 sx
 cmt. Circ? Yes

Blinebry Perfs
 5513'-5693'

5 1/2 " OD
 Gr K-55
14 & 17# Csg set @
5950 ' w/ 560 sx
 Cmt. Circ? No
 TOC @ 2106 by TS

4" Hdryl 11.34# K-55 FJ
 Liner set from 5832' to
6820'. Set w/ 75 sx cmt
 Circ

Drinkard Perfs
 6546-6754'

Date Completed 4/18/72
 Initial Formation Blinebry
 FROM: 5513 TO: 5693
 Initial Production 214 BOPD 356 BWPD
 NM MCFPD NM GOR

Completion Data:
 Perf Blinebry 5513, 5546, 5574, 5646,
 & 5693. Acidize w/ 500 gals. Frac'd w/
30,000 gals. GBW, 1000 gals. 15% NEFE
 HCL & 50,000 #s sand.

Subsequent Workover or Reconditioning:

4/76 - Deepen to 6822'. Ran 4" liner
5832-6820. Cmt w/ 75 sx. Perf Drinkard
 at 6546-49', 6585-88', 6626-29',
6681-84', 6720-23', and 6751-54'.
 Acidized w/ 3500 gal. Frac w/ 32000
 gals. and 45000 # sand. Drinkard
 Potential: 60 BOPD + 34 BWPD. Pumping
 below packer.

10/76 - Acidized Blinebry Perfs. Break
 down and acidize perfs w/ 4000 gals.
 Perfs at 5546' and 5699' did not break
 down. Downhole comingle Blinebry and
Drinkard. Potential: 22 BOPD + 140
 BWPD.

12/76 - Clean out to PBTD.

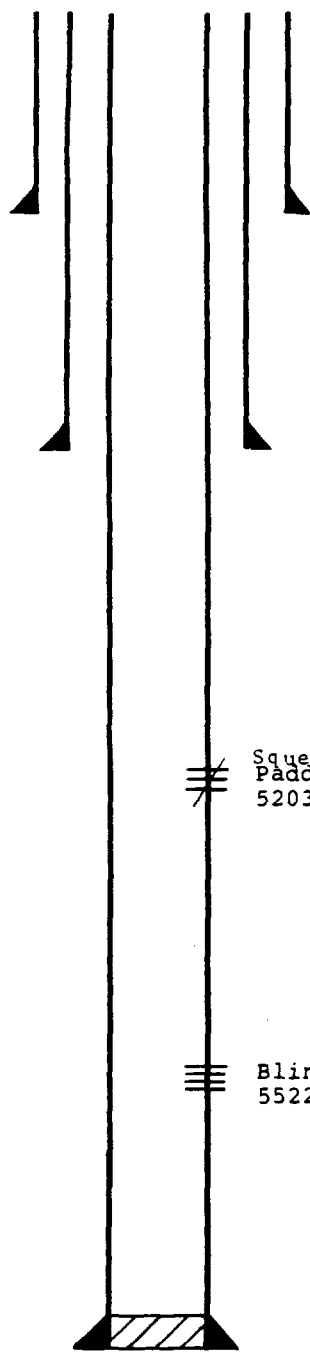
Present Prod. _____ BOPD _____ BWPD
 _____ MCFPD _____ GOR
 _____ Date

Remarks or Additional Data:

PBD 6773 '
 TD 6822 '

WELL DATA SHEET

LEASE Chevron Moore WELL NO. 1 FIELD Blinebry DATE 12/2/88
LOCATION 1980 FEET FROM S LINE AND 410 FEET FROM E LINE
SECTION 25 TOWNSHIP 21-S RANGE 36-E COUNTY Lea STATE NM



GE: 3524 '
KDB to GE _____ '
DF to GE _____ '

Date Completed 7/31/70
Initial Formation Blinebry
FROM: 5522 TO: 5920
Initial Production 113 BOPD Tr BOPD
nm MCFPD nm GOR

12 3/4" OD _____ lbs.
Surf. Pipe set @
305 w/ 250 sx
cmt. Circ? Yes

Completion Data:
Perf Paddock 5203-5207 and Blinebry
5522-5920'. Acidize Paddock w/500
gals. Fraced Blinebry w/33,000 gals
& 27,500 lbs. sand. Left Paddock SI

8 5/8" OD
Csg set at
2660 ' w/ 250 sx
Cmt. Circ? No
TOC at 1751 ' by
TS Calc

Subsequent Workover or Reconditioning:
7/72 - Fraced Blinebry w/62,250 gals
& 90,000 lbs. sand. Squeezed
Paddock perfs. Test Squeeze
to 1500 psi

≡≡≡ Squeezed Paddock Perfs
5203'-5207'

≡≡≡ Blinebry Perfs
5522'-5920'

5 1/2" OD
Gr K-55
15.5# Csg set @
6000 ' w/ 450 sx
Cmt. Circ? No
TOC @ 3030 by TS

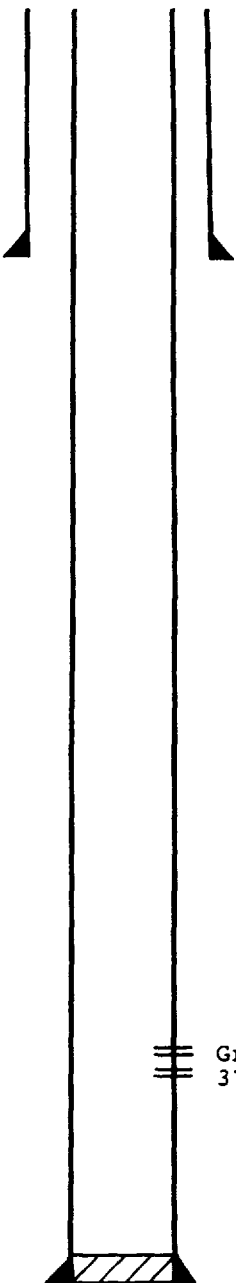
Present Prod. _____ BOPD _____ BOPD
_____ MCFPD _____ GOR
_____ Date

Remarks or Additional Data:
5 1/2 in 7 7/8" hole
8 5/8 in 11" hole

PBD 5994 '
TD 6000 '

WELL DATA SHEET

LEASE Chevron Sandy WELL NO. 1 FIELD Penrose Skelly DATE 12/2/88
LOCATION 2310 FEET FROM S LINE AND 800 FEET FROM E LINE
SECTION 25 TOWNSHIP 21-S RANGE 36-E COUNTY Lea STATE NM



GE: 3526 '
KDB to GE 10 '
DF to GE _____ '

8 5/8" OD _____ lbs.
Surf. Pipe set @
315 w/ 150 sx
cmt. Circ? Yes

Date Completed 12/17/71
Initial Formation Grayburg
FROM: 3726 TO: 3818
Initial Production 94 BOPD 124 BWPD
85 MCFPD 905 GOR

Completion Data:
Perf 3726-3818
Fraced w/ 40,000 gals GEW and 60,000
lbs. sand.

Subsequent Workover or Reconditioning:

Present Prod. _____ BOPD _____ BWPD
_____ MCFPD _____ GOR
Date _____

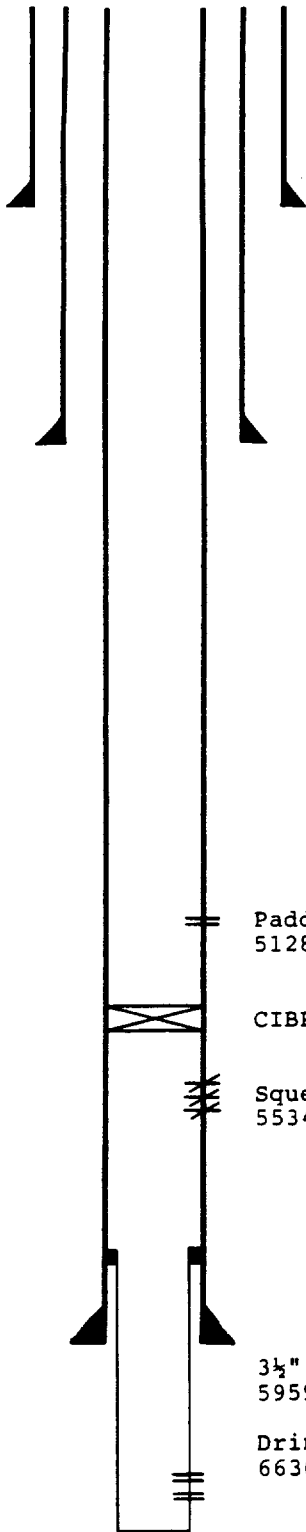
5 1/2" OD
Gr J-55
15.5# Csg set @
3899 ' w/ 180 sx
Cmt. Circ? No
TOC @ 2939 by TS
Calc

Remarks or Additional Data:
5 1/2" in 7 7/8" hole

PBD 3883 '
TD 3899 '

WELL DATA SHEET

LEASE Chevron Kingwood WELL NO. 1 FIELD Paddock DATE 12/2/88
 LOCATION 1780 FEET FROM S LINE AND 1650 FEET FROM E LINE
 SECTION 25 TOWNSHIP 21-S RANGE 36-E COUNTY Lea STATE NM



GE: 3546 '
 KDB to GE 10 '
 DF to GE _____'

12 3/4" OD _____ lbs.
 Surf. Pipe set @
316 w/ 300 sx
 cmt. Circ? Yes

8 5/8" OD _____ lbs.
 Csg set at
2680 ' w/ 250 sx
 Cmt. Circ? _____
 TOC at 1771 ' by
 TS Calc

Paddock Perfs
 5128'-5154'

CIBP @ 5230'

Squeezed Blinebry Perfs
 5534'-5943'

5 1/2" OD
 Gr K-55
15 1/2 & 17# Csg set @
5998 ' w/ 450 sx
 Cmt. Circ? No
 TOC @ 3060 by TS

3 1/2" OD Liner @
 5959'-6890' w/ 50 sxs.
 TOC = 6068 calc
 Drinkard Perfs
 6636'-6784'

Date Completed 4/14/71
 Initial Formation Blinebry
 FROM: 5534 TO: 5943
 Initial Production 112 BOPD 7 BWPD
 nm MCFPD nm GOR

Completion Data:
 Original TD = 6000'
 Perf Blinebry 5534-5943'
 Acidized w/3000 gals. 15#
 Fraced w/78,540 gals & 58,500 #'s
20/40 sd.

Subsequent Workover or Reconditioning:
6/72 - Fraced Blinebry w/62,000 gals
 & 90,000 #'s sd.

5/75 - Squeezed Blinebry. Deepened
 to 6890'. Ran 3 1/2" liner
 from 5959 to 6890' w/50 sxs.
 Perforate Drinkard 6636 -
 6784'. Acidized w/6000 gals.
 Fraced w/22,400 gals & 5300
 #'s sand.

9/85 - Set CIBP @ 5230'. Perf
 Paddock 5128-54'. Acidize w/
 8000 gals.

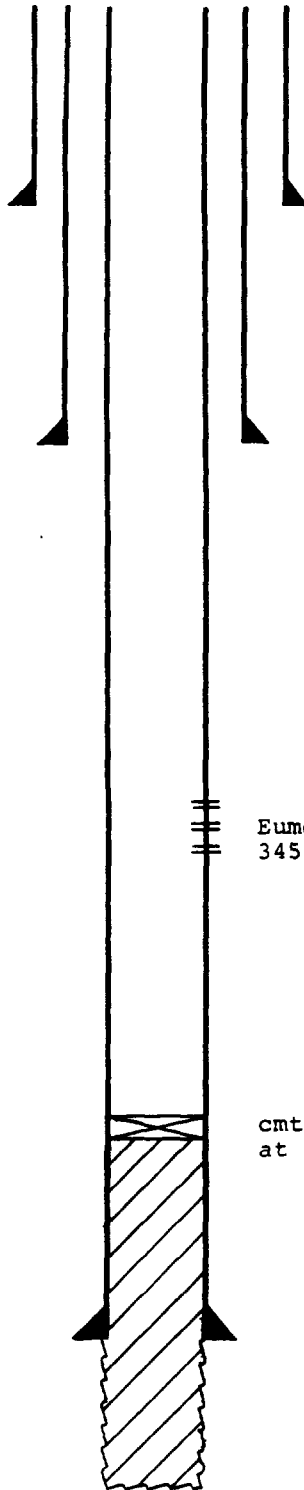
Present Prod. _____ BOPD _____ BWPD
 _____ MCFPD _____ GOR
 _____ Date

Remarks or Additional Data:
5 1/2 in 7 7/8" hole
3 1/2 in 4 3/4" hole
8 5/8 in 11" hole

PBD 5230 '
 TD 6890 '

WELL DATA SHEET

LEASE Arco J.M. Brownlee WELL NO. 1 FIELD Eumont DATE 12/2/88
 LOCATION 2310 FEET FROM S LINE AND 2310 FEET FROM W LINE
 SECTION 25 TOWNSHIP 21-S RANGE 36-E COUNTY Lea STATE NM



GE: 3547 '
 KDB to GE _____ '
 DF to GE _____ '

15 1/2" OD _____ lbs.
 Surf. Pipe set @
255 w/ 300 sx
 cmt. Circ? N/A
 TOC = surf by Calc

10 3/4" OD
45# Csg set at
1349 ' w/ 500 sx
 Cmt. Circ? N/A
 TOC at Surf ' by
PS Calc

Eumont Perfs
 3455'-3657'

cmt. retainer
 at 3693'

7 " OD
 Gr _____
24 # Csg set @
3730 ' w/ 300 sx
 Cmt. Circ? _____
 TOC @ 1886 by PS
 Calc

Date Completed 8/20/36
 Initial Formation Grayburg
 FROM: 3730 TO: 3867
 Initial Production 118 BOPD 0 BWPD
 nm MCFPD nm GOR

Completion Data:
 Shot open hole 3792-3867 w/8000 gals

Subsequent Workover or Reconditioning:
8/38 - Acidized w/5000 gal XR acid

6/40 - Plugged back to 3832 to shut
 off water

2/54 - Plugged back to 3825 w/hydro-
 mite. Fraced w/6000 gals
 oil & 6000 #'s sand

8/76 - Squeezed Grayburg below re-
 tainer at 3693' w/200 sxs.
 Perf Eumont 3455-3657.
 Acidized w/1500 gals.
 Fraced w/30,000 #'s in 5,000
 gals.

Present Prod. _____ BOPD _____ BWPD
 _____ MCFPD _____ GOR
 _____ Date _____

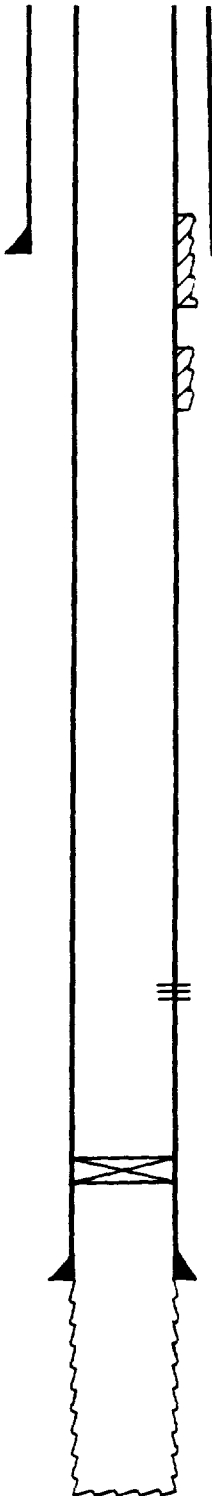
Remarks or Additional Data:

7" in 8 3/4" hole
15# in 1 5/8" hole
10# in 1 1/2" hole

PBD 3693 '
 TD 3867 '

WELL DATA SHEET

LEASE Arco J.M. Brownlee WELL NO. 4 FIELD Eumont DATE 12/2/88
LOCATION 660 FEET FROM S LINE AND 1980 FEET FROM W LINE
SECTION 25 TOWNSHIP 21-S RANGE 36-E COUNTY Lea STATE NM



GE: 3512 '
KDB to GE _____ '
DF to GE 10 _____ '

Date Completed 7/27/42
Initial Formation Grayburg
FROM: 3691 TO: 3800
Initial Production 120 BOPD _____ BWPD _____
MCFPD _____ GOR _____

Completion Data:
Acidized OH w/4500 gallons

8 5/8" OD 28 lbs.
Surf. Pipe set @
295 w/ 175 sx
cmt. Circ? N/A
Toc @ Surf by calc
Repaired casing leaks
252'-450' & 824'

Subsequent Workover or Reconditioning:

4/50 - Set BP @ 3600'. Perf Eumont
3420 - 3440'

3/73 - Acidize Eumont w/1500 gals.
20%

3/82 - Repair casing leaks at 824'
and 252'-450'. Added Eumont
perfs 3391-3578. Acidized w/
4500 gals 15%. Fraced w/
3500 gal + 10150 #'s sand.

12/82 - Repaired wellhead

Eumont Perfs
3391'-3578'

CIBP @ 3600'
5 1/2" OD
Gr _____
15 # Csg set @
3691' w/ 300 sx
Cmt. Circ? _____
TOC @ 372 by ~~TS~~
Calc

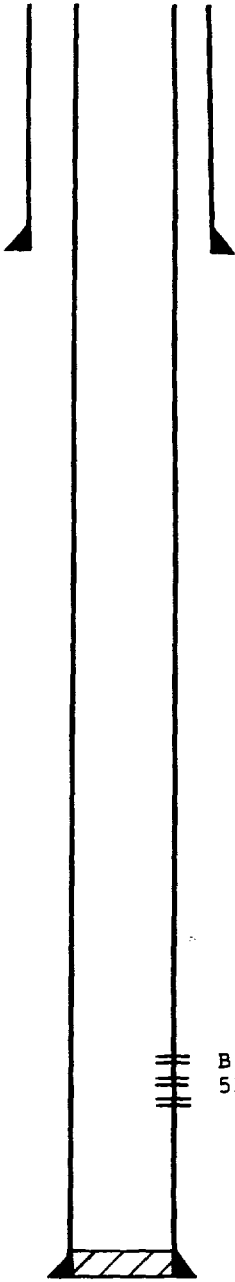
Present Prod. _____ BOPD _____ BWPD _____
MCFPD _____ GOR _____
Date _____

Remarks or Additional Data:
5 1/2 in 6 3/4" hole.

PBD 3600 '
TD 3800 '

WELL DATA SHEET

LEASE Arco J.M. Brownlee WELL NO. 5 FIELD Blinebry DATE 12/2/88
LOCATION 660 FEET FROM S LINE AND 2310 FEET FROM W LINE
SECTION 25 TOWNSHIP 21-S RANGE 36-E COUNTY Lea STATE NM



GE: 3520 '
KDB to GE 11 '
DF to GE 10 '

Date Completed 8/8/72
Initial Formation Blinebry
FROM: 5565 TO: 5913
Initial Production 118 BOPD 613 BWPD
MCFPD GOR

Completion Data:
Perf Blinebry 5565-5913. Acidized w/
714 gals. Frac w/45,000 gals &
45,000 #'s sd.

8 5/8" OD lbs.
Surf. Pipe set @
1312 w/ 700 sx
cmt. Circ? Yes

Subsequent Workover or Reconditioning:

Blinebry Perfs
5565'-5913'

Present Prod. _____ BOPD _____ BWPD
MCFPD _____ GOR
Date _____

5 1/2" OD
Gr J-55
15.5 & 17# Csg set @
6002 ' w/ 750 sx
Cmt. Circ? No
TOC @ 2190 by TS

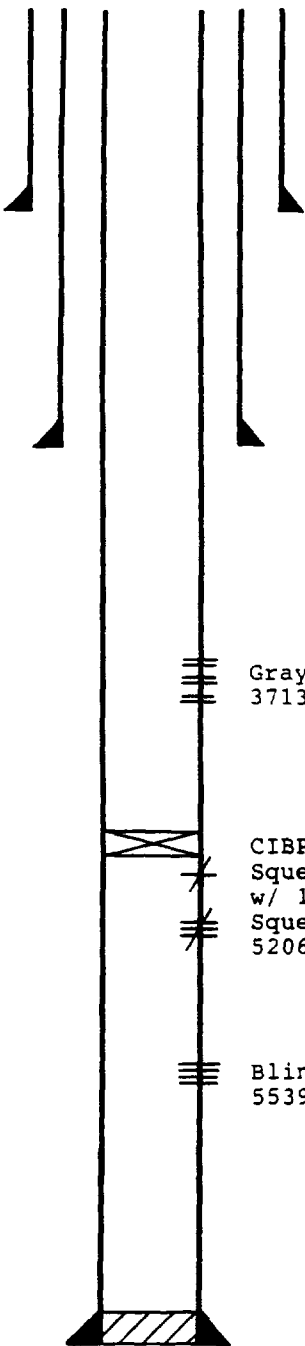
Remarks or Additional Data:
5 1/2 in 7 7/8" hole.

PBD 5961 '
TD 6002 '

WELL DATA SHEET

Agw 115 WI

LEASE Chevron Kingwood WELL NO. 2 FIELD Undesignated DATE 12/2/88
 LOCATION 660 FEET FROM S LINE AND 1650 FEET FROM E LINE
 SECTION 25 TOWNSHIP 21-S RANGE 36-E COUNTY Lea STATE NM



GE: 3525 '
 KDB to GE _____ '
 DF to GE _____ '

12 3/4" OD _____ lbs.
 Surf. Pipe set @ _____
316 w/ 375 sx
 cmt. Circ? Yes

8 5/8" OD
 # Csg set at _____
2670 ' w/ 320 sx
 Cmt. Circ? Yes
 TOC at _____ by
 TS

Grayburg Perfs
 3713'-3916'

CIBP @ 4026'
 Squeezed hole @ 5041'
 w/ 100 sxs.
 Squeezed Paddock Perfs
 5206'-5215'

Blinebry Perfs
 5539'-5928'

5 1/2" OD
 Gr _____
15.5 & 17# Csg set @ _____
6000 ' w/ 800 sx
 Cmt. Circ? No
 TOC @ 900 by CBL

Date Completed 2/15/72
 Initial Formation Blinebry
 FROM: 5539 TO: 5928
 Initial Production 125 BOPD 35 BWPD
 nm MCFPD nm GOR

Completion Data:
 Perf Blinebry 5539-5928. Acidize w/
2000 gals. Frac w/70,000 gal &
88,200 # sd. Perf Paddock 5206-5215.
 Acidize w/2500 gals. Frac w/112,600
 gals. oil & 100,000 #'s sand. Sczd
 Paddock. Squeeze hole at 5041 w/100
 sx.

Subsequent Workover or Reconditioning:
6/88 - Set CIBP @ 4026
 Perf Grayburg 3766 - 3755
 Acidize w/1500 gals. Perf
3713-3738. Set RBP @ 3756.
 Acidize 3713-38' w/2000 gals
 15%. POH w/RBP. Perf 3797-
3916. Acidize all perfs w/
 3000 gals. Broke down perfs
3797-3916 with PPI pkr and
 1000 gals. SI well.

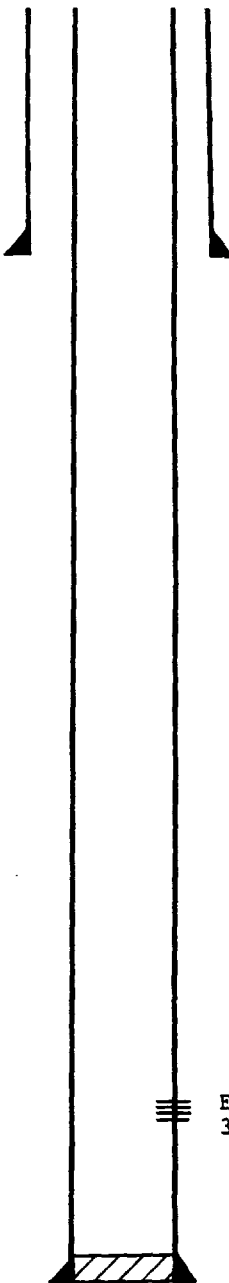
Present Prod. _____ BOPD _____ BWPD
 _____ MCFPD _____ GOR
 _____ Date

Remarks or Additional Data:
5 1/2 in 7 7/8" hole.
12 3/4 in 17 1/2" hole
8 5/8 in 11" hole

PBD 4026 '
 TD 6000 '

WELL DATA SHEET

LEASE Meridian J.M. Brownlee WELL NO. 1 FIELD Eumont DATE 12/2/88
LOCATION 760 FEET FROM S LINE AND 1980 FEET FROM E LINE
SECTION 25 TOWNSHIP 21-S RANGE 36-E COUNTY Lea STATE NM



GE: 3517 '
KDB to GE 9 '
DF to GE _____'

8 5/8" OD _____ lbs.
Surf. Pipe set @
1228 w/ 450 sx
Cmt. Circ? Yes

Eumont
3402'-3542'

5 1/2 " OD
Gr J-55
14 # Csg set @
3596 ' w/ 600 sx
Cmt. Circ? No
TOC @ 1865 by TS

Date Completed 1/5/57
Initial Formation Eumont
FROM: 3402 TO: 3542
Initial Production 0 BOPD 0 BWPD
49,500 MCFPD _____ GOR

Completion Data:
Perf 3402-36, 3455-72, 3498-3518,
3526-42. Fraced w/60,000 gals oil &
60,000 # sd.

Subsequent Workover or Reconditioning:

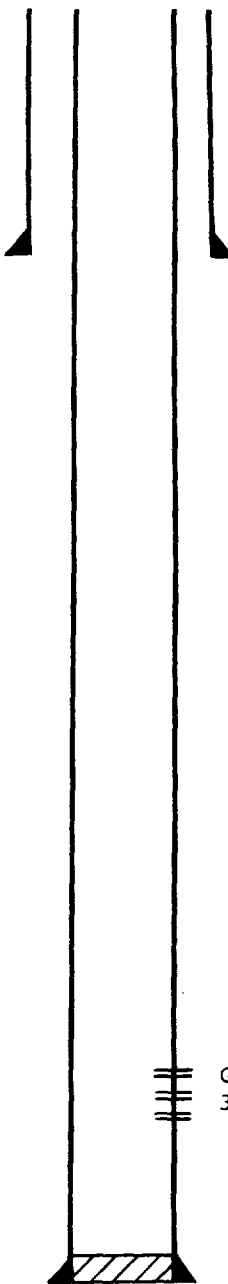
Present Prod. _____ BOPD _____ BWPD
_____ MCFPD _____ GOR
_____ Date _____

Remarks or Additional Data:
5 1/2 in 7 7/8" hole

PBD 3562 '
TD 3596 '

WELL DATA SHEET

LEASE Chevron Sandy WELL NO. 2 FIELD Penrose Skelly DATE 12/2/8
LOCATION 990 FEET FROM S LINE AND 790 FEET FROM E LINE
SECTION 25 TOWNSHIP 21-S RANGE 36-E COUNTY Lea STATE NM



GE: 3518 '
KDB to GE 8 '
DF to GE _____'

8 5/8" OD _____ lbs.
Surf. Pipe set @
315 w/ 150 sx
cmt. Circ? Yes

Grayburg Perfs
3666'-3889'

5 1/2 " OD
Gr J-55
15.5# Csg set @
3928 ' w/ 330 sx
Cmt. Circ? No
TOC @ 2168 by TS
Calc

Date Completed 3/1/72
Initial Formation Grayburg
FROM: 3666 TO: 3889
Initial Production 47 BOPD 68 BWPD
70.5 MCFPD 1500 GOR

Completion Data:
Perf 3563-3894. Fraced w/40,000 gals
and 60,000 #'s sand.

Subsequent Workover or Reconditioning:

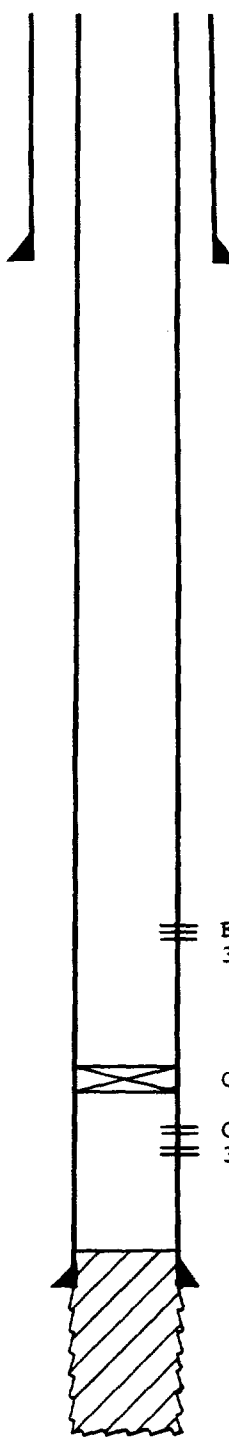
Present Prod. _____ BOPD _____ BWPD
_____ MCFPD _____ GOR
_____ Date

Remarks or Additional Data:
5 1/2 in 7 7/8" hole

PBD 3908 '
TD 3930 '

WELL DATA SHEET

LEASE Tahoe Brownlee WELL NO. 1 FIELD Eumont T/A'd DATE 12/2/88
 LOCATION 660 FEET FROM S LINE AND 660 FEET FROM E LINE
 SECTION 25 TOWNSHIP 21-S RANGE 36-E COUNTY Lea STATE NM



GE: 3526 '
 KDB to GE 11 '
 DF to GE 10 '

8 5/8" OD _____ lbs.
 Surf. Pipe set @
325 w/ 250 sx
 cmt. Circ? Yes

≡≡≡ Eumont Perfs
 3516'-3572'

⊗ CIBP @ 3600'

≡≡≡ Grayburg Perfs
 3694'-3710'

5 1/2" OD
 Gr _____
14 # Csg set @
3720 ' w/ 250 sx
 Cmt. Circ? _____
 TOC @ 2299 by DS
 calc

Date Completed 11/28/57
 Initial Formation Grayburg
 FROM: 3694 TO: 3710
 Initial Production 10 BOPD 20 BWPD
 NM MCFPD NM GOR

Completion Data:
 Tested OH 3720-90'. Flwd load oil &
 sulpher water. PB to 3715'. Perf
3694-3710'. Fraced w/6000 gal &
3000 # sd.

Subsequent Workover or Reconditioning:
8/79 - Set CIBP @ 3600'. Perf 3516-
3572'. Acidized w/1000 gals
15%. SI.

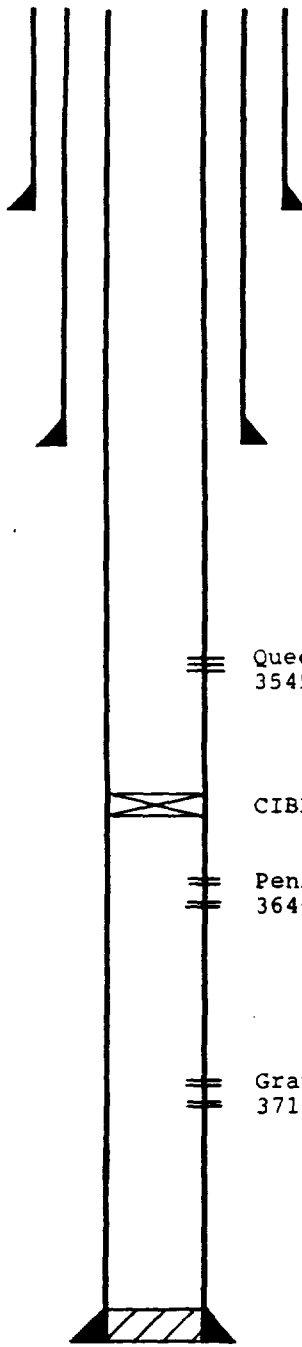
Present Prod. _____ BOPD _____ EWPD
 _____ MCFPD _____ GOR
 _____ Date _____

Remarks or Additional Data:
5 1/2 in 7 3/4" hole.

PBD 3600 '
 TD 3790 '

WELL DATA SHEET

LEASE Exxon State G WELL NO. 2 FIELD Eumont Gas DATE 11/18/88
 LOCATION 660 FEET FROM S LINE AND 660 FEET FROM E LINE
 SECTION 26 TOWNSHIP 21-S RANGE 36-E COUNTY Lea STATE NM



GE: 3518 '
 KDB to GE '
 DF to GE 10 '

10 3/4"OD lbs.
 Surf. Pipe set @
204 w/ 60 sx
 cmt. Circ? N/A
 TOC @ Surf by Calc

7 5/8"OD 46.4 lbs
 Csg set at
1335 ' w/ 375 sx
 Cmt. Circ? N/A
 TOC at surf ' by
TS Calc

Queen Perfs
 3545'-3585'

CIBP @ 3605'

Penrose Perfs
 3640'-3670'

Grayburg Perfs
 3716'-3816'

5 1/2" OD
 Gr
17 # Csg set @
3828 ' w/ 125 sx
 Cmt. Circ? No
 TOC @ 2445 by TS
 Calc

Date Completed 8/18/42
 Initial Formation Grayburg
 FROM: 3640 TO: 3786
 Initial Production 22 BOPD 0 BOPD
nm MCFPD nm GOR

Completion Data:
 Perf 3724-3786. Acidized w/10,000
 gals. Perf 3640-3670'

Subsequent Workover or Reconditioning:
10/48 - Perf 3716-3816 and acidize
 w/ 2000 gals.

8/55 - Frac 3716-3816 w/20,000 gals
 oil + 30,000 #'s sand.

4/5/60 - Set CIBP @ 3605. Perf
3545-3585. Split csg @ 21'.
 Squeezed split csg w/125
 sx. Acidized perfs w/500
 gals. Fraced w/19,000 gals
 GBW & 30,000 #'s sand.

Present Prod. BOPD BOPD
 MCFPD GOR
 Date

Remarks or Additional Data:
5 1/2 in 6 3/4" hole

PBD 3605 '
 TD 3828 '

WELL DATA SHEET

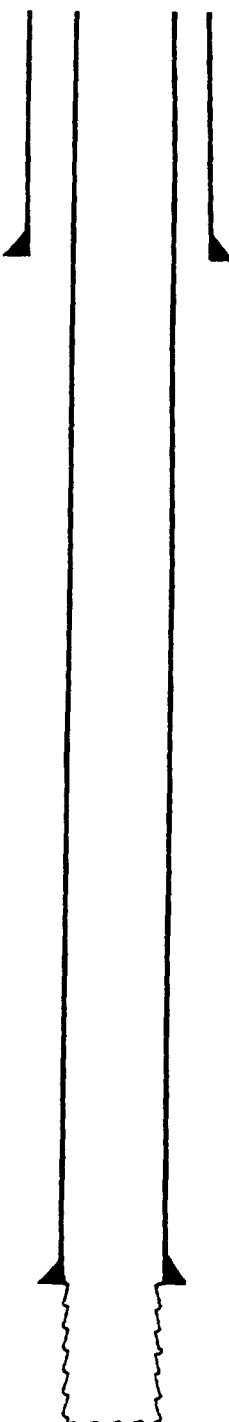
LEASE Chevron WA Ramsay (NCT-A) WELL NO. 11 FIELD Arrowhead DATE 11/15/88
LOCATION 660 FEET FROM N LINE AND 660 FEET FROM E LINE
SECTION 35 TOWNSHIP 21-S RANGE 36-E COUNTY Lea STATE NM

GE: 3533
KDB to GE 8
DF to GE _____

Date Completed 4/14/42
Initial Formation Grayburg
FROM: 3734 TO: 3835
Initial Production 886 BOPD 0 BWPD
1042 MCFPD 1177 GOR

Completion Data:
OH Completion _____

9 5/8" OD 25.7 lbs.
Surf. Pipe set @
290 w/ 250 sx
cmt. Circ? Yes



Subsequent Workover or Reconditioning:
2/24/47 - Installed gas lift

3/9/53 - Installed rod pump system.

9/7/78 - Dump acid w/750 gals 15%
HCL

10/16/79 - Dump acid w/750 gals 15%
HCL

10/24/80 - Plugged back to 3801 w/
sand and hydromite.

10/31/80 - Dump 1000 gallons 15% HCL

12/19/80 - Drill out hydromite to
3865'.

Present Prod. _____ BOPD _____ BWPD
_____ MCFPD _____ GOR
_____ Date _____

5 1/2" OD
Gr H
14 # Csg set @
3734 ' w/ 350 sx
Cmt. Circ? No
TOC @ 1867 by TS
Calc

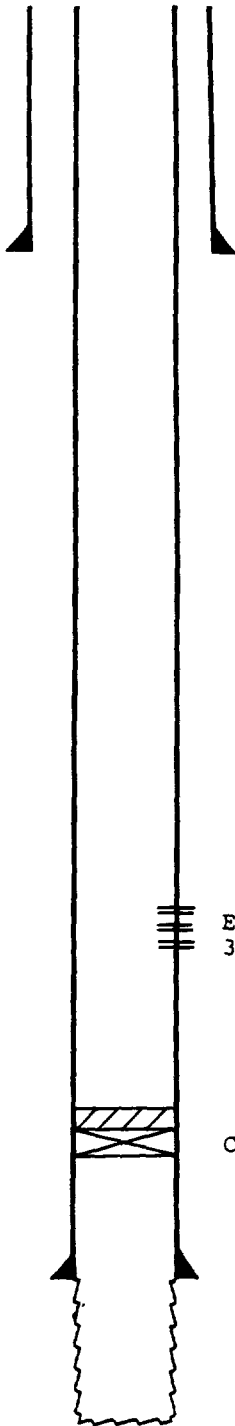
Remarks or Additional Data:
5 1/2" in 7 7/8" hole
4 3/4" OH

PBD _____

TD 3835

WELL DATA SHEET

LEASE Chevron WA Ramsay (NCT-A) WELL NO. 13 FIELD Eumont DATE 11/15/88
LOCATION 660 FEET FROM N LINE AND 1980 FEET FROM E LINE
SECTION 35 TOWNSHIP 21-S RANGE 36-E COUNTY Lea STATE NM



GE: 3548 '
KDB to GE 13 '
DF to GE _____

9 5/8" OD 25.7 lbs.
Surf. Pipe set @
293 w/ 240 sx
cmt. Circ? Yes

Date Completed 7/28/44
Initial Formation Grayburg
FROM: 3741 TO: 3845
Initial Production 115 BOPD 0 BWPD
nm MCFPD nm GOR

Completion Data:
Shot OH w/150 qts.

Subsequent Workover or Reconditioning:
7/9/50 - Installed gas lift

3/11/53 - Installed rod pump

3/22/62 - Dump acid w/1000 gals
gyposol

7/9/65 - Dump acid w/1000 gals 15%
HCL

78 - Abandon Arrowhead and recom-
plete in Eumont. Set CIBP @ 3730
w/10' cmt cap. Perf Eumont
3555-3672'. Acidized w/3300
gals 15% HCL. Fraced Eumont w/
42,000 gals & 43,750 #'s sand.

Eumont Perfs
3555'-3672'

CIBP @ 3730'

5 1/2 " OD
Gr H
14 # Csg set @
3741 ' w/ 150 sx
Cmt. Circ? No
TOC @ 2941 by TG
Calc

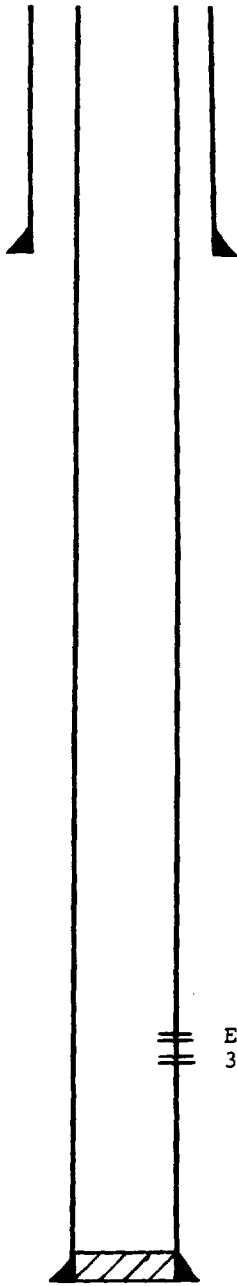
Present Prod. _____ BOPD _____ BWPD
_____ MCFPD _____ GOR
_____ Date _____

Remarks or Additional Data:
5 1/2" casing in 7 7/8" hole.
4 3/4" OH

PBD 3720 '
TD 3845 '

WELL DATA SHEET

LEASE Chevron WA Ramsay (NCT-A) WELL NO. 16 FIELD Eumont DATE 11/15/88
LOCATION 1980 FEET FROM N LINE AND 1980 FEET FROM W LINE
SECTION 35 TOWNSHIP 21-S RANGE 36-E COUNTY Lea STATE NM



GE: 3564 '
KDB to GE 10 '
DF to GE 9 '

8 5/8" OD 24 lbs.
Surf. Pipe set @
263 w/ 200 sx
cmt. Circ? Yes

== Eumont Perfs
== 3804-3864'

5 1/2" OD
Gr J-55
14 # Csg set @
3875 ' w/ 1350 sx
Cmt. Circ? No
TOC @ 1220 by TS

Date Completed 4/23/56
Initial Formation Penrose
FROM: 3804 TO: 3864
Initial Production 336 BOPD 4 BWPD
108 MCFPD 320 GOR

Completion Data:
Perf 3804-24', 3833-46', 3856-64'.
Acidized w/500 gals mud acid.
Fraced w/10,000 gals & 10,000 #'s
sand

Subsequent Workover or Reconditioning:
4/25/61 - Installed pumping equip.

11/8/77 - Dump acid w/750 gals 15%
HCL

7/23/79 - Dump acid w/750 gals 15%
HCL

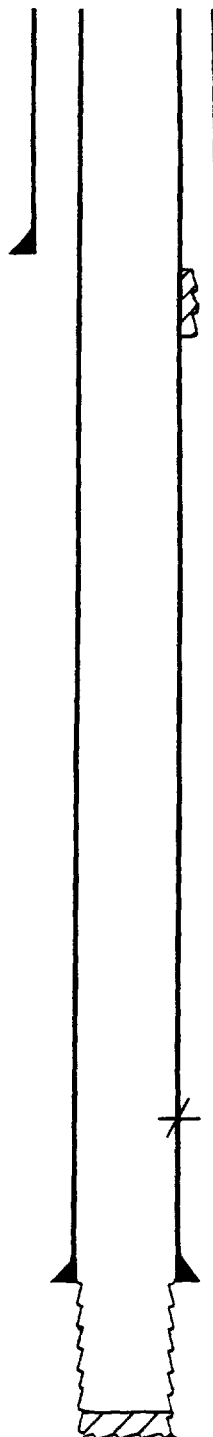
Present Prod. _____ BOPD _____ BWPD
_____ MCFPD _____ GOR
_____ Date _____

Remarks or Additional Data:
5 1/2" casing in 7 7/8" hole
Cored: 3715-3727
3727-3777
3777-3827
3822-3875

DST's: 3614-3715
3710-3827
3822-3875

PBD 3872 '
TD 3875 '

LEASE Chevron WA Ramsay (NCT-A) WELL NO. 9 FIELD Arrowhead DATE 11/15/88
LOCATION 1980 FEET FROM N LINE AND 1980 FEET FROM E LINE
SECTION 35 TOWNSHIP 21-S RANGE 36-E COUNTY Lea STATE NM



GE: 3561 '
KDB to GE 6.5 '
DF to GE 5 '

9 5/8" OD 25.7 lbs.
Surf. Pipe set @
290 w/ 250 sx
cmt. Circ? Yes

Squeezed casing leak
at 288'-326'

Squeeze perf @ 3696'

5 1/2" OD
Gr H
14 # Csg set @
3748 ' w/ 350 sx
Cmt. Circ? No
TOC @ 2231 by TS
Calc

Date Completed 4/8/41
Initial Formation Grayburg
FROM: 3748 TO: 3856
Initial Production 389 BOPD 0 BWPD
423 MCFPD 1087 GOR

Completion Data:
OH Completion

Subsequent Workover or Reconditioning:
6/9/45 - Dump acid w/1000 gals

2/5/50 - Run packer to 3636'

4/19/51 - Acidized w/1000 gals. In-
install gas lift system

4/3/53 - Install rod pump

4/19/60 - PB w/Hydromite to 3758'.
Fraced w/15,000 gals oil &
1-3 ppg sand. Perfed 3696
and squeezed gas channel
w/157 sxs. Drill out to
3811'. Well flowing.

7/29/74 - Found and squeezed csg
leak at 288-326 w/260 sxs.
Dump acid w/1000 gals 15%

11/10/78 - Dump acid w/750 gals 15%

11/10/79 - Install rod pump
8/24/81 - Dump acid w/840 gals 15%

Present Prod. _____ BOPD _____ BWPD
_____ MCFPD _____ GOR
_____ Date

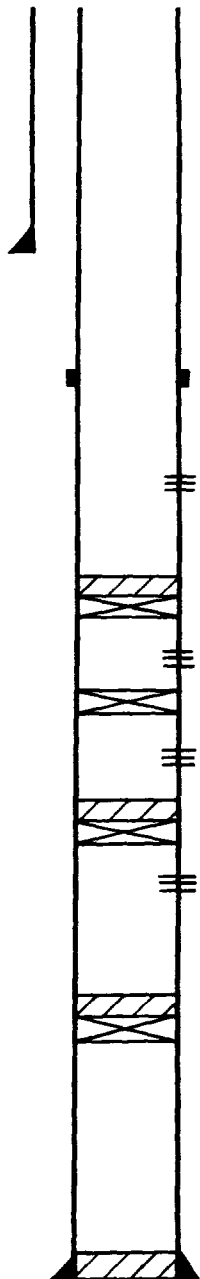
Remarks or Additional Data:
5 1/2" casing in 7 7/8" hole
4 3/4" openhole

PBD 3811 '

TD 3856 '

WELL DATA SHEET

LEASE Chevron WA Ramsay (NCT-A) WELL NO. 51 FIELD Eumont DATE 11/15/88
 LOCATION 1980 FEET FROM N LINE AND 510 FEET FROM E LINE
 SECTION 35 TOWNSHIP 21-S RANGE 36-E COUNTY Lea STATE NM



GE: 3549 '
 KDB to GE 16.5 '
 DF to GE _____'

8 5/8" OD 24 lbs.
 Surf. Pipe set @
1445 w/ 575 sx
 cmt. Circ? Yes

DV tool @ 2794'

Eumont Perfs
 3543'-3678'

CIBP @ 5250

Paddock Perfs
 5310-5439'
 CIBP @ 5610'

Blinebry Perfs
 5647'-5838'

CIBP @ 6214

Tubb Perfs
 6366'-6561'

CIBP @ 6650'

Drinkard Perfs
 6713'-6749'

5 1/2" OD
 Gr K-55
15.5# Csg set @
6797 ' w/ 2100 sx
 Cmt. Circ? No
 TOC @ 1388 by TS

Date Completed 10/11/77
 Initial Formation Drinkard
 FROM: 6713 TO: 6749
 Initial Production 20 BOPD 43 BWPD
 nm MCFPD nm GOR

Completion Data:
Perf Drinkard 6713-16', 6746-49',
Break down perfs and acidize w/2000
gals 15% HCL. Fraced w/16,000 gals
GBW w/1-3 ppg sd.

Subsequent Workover or Reconditioning:
5/12/78 - Set CIBP @ 6650' w/20' cmt
cap. Perf Tubb 6366-6561'. Acidize
w/11,500 gals. Set CIBP @ 6214 w/35'
cmt cap. Perf Blinebry 5647-49,
5754-56, 5814-16, 5836-38. Break
down perf w/1500 gals 15%. Acidize
w/5000 gals 15%. Set CIBP @ 5610.
Perf Paddock 5310-12, 5386-88, 5437-
39, 5509-11. Break down perfs w/1250
gals 15%. Set CIBP @ 5250' w/35' cmt
cap. Perf Eumont 3543-45', 3566-68',
3583-85', 3610-12', 3633-35', 3659-
61', 3676-78'. Break down perfs w/
2000 gals 15%.

8/2/79 - Dump acid w/750 gals 15%
3/8/82 - Dump acid w/1000 gals 15%
8/4/82 - Dump acid w/750 gals 15%
10/19/83 - Dump acid w/750 gals 15%
6/20/88 - Dump acid w/500 gals 15%

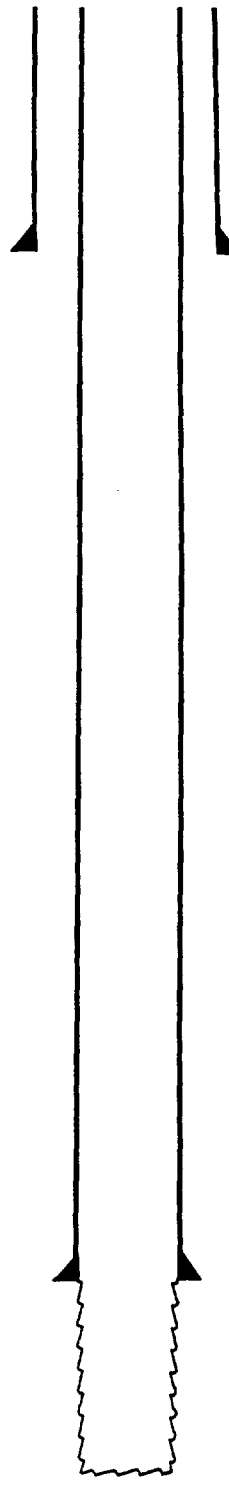
Present Prod. _____ BOPD _____ BWPD
 _____ MCFPD _____ GOR
 _____ Date _____

Remarks or Additional Data:
5 1/2" casing in 7 7/8" hole

PBD 6778 '
 TD 6800 '

WELL DATA SHEET

LEASE Chevron WA Ramsay (NCT-A) WELL NO. 5 FIELD Arrowhead DATE 11/15/88
LOCATION 1980 FEET FROM S LINE AND 660 FEET FROM E LINE
SECTION 35 TOWNSHIP 21-S RANGE 36-E COUNTY Lea STATE NM



GE: 3563 '
KDB to GE 6.50 '
DF to GE _____'

9 5/8" OD 25.7 lbs.
Surf. Pipe set @
284 w/ 250 sx
cmt. Circ? Yes

Date Completed 3/24/40
Initial Formation Grayburg
FROM: 3765 TO: 3860
Initial Production 1182 BOPD 0 BWPD
1217 MCFPD 1030 GOR

Completion Data:
OH Completion

Subsequent Workover or Reconditioning:
10/12/49 - Ran pkr to 3658'
2/20/50 - Install Gas lift system
3/17/53 - Install rod pumping system
10/5/78 - Dump acid w/750 gals 15'

Present Prod. _____ BOPD _____ BWPD
_____ MCFPD _____ GOR
_____ Date

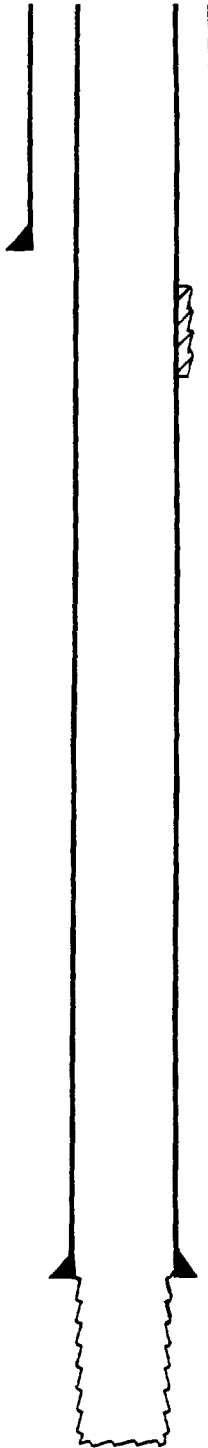
5 1/2" OD
Gr H
14 # Csg set @
3765 ' w/ 200 sx
Cmt. Circ? No
TOC @ 1552 by TB
Calc

Remarks or Additional Data:
5 1/2" casing in 6 3/4" hole
4 3/4" OH

PBD _____ '
TD 3860 '

WELL DATA SHEET

LEASE Chevron WA Ramsay (NCT-A) WELL NO. 8 FIELD Arrowhead DATE 11/15/88
LOCATION 1980 FEET FROM S LINE AND 1980 FEET FROM E LINE
SECTION 35 TOWNSHIP 21-S RANGE 36-E COUNTY Lea STATE NM



GE: 3573
KDB to GE _____
DF to GE 6

9 5/8" OD _____ lbs.
Surf. Pipe set @
291 w/ 250 sx
cmt. Circ? Yes

Squeezed casing leak
@ 480' w/ 560 sxs.

Date Completed 2/2/40
Initial Formation Grayburg
FROM: 3758 TO: 3870
Initial Production 404 BOPD 0 BWPD
1200 MCFPD 2970 GOR

Completion Data:
OH Completion

Subsequent Workover or Reconditioning:

- 2/11/51 - Acidized w/1000 gals 15%
- 11/28/51 - Installed rod pump
- 11/10/55 - Repair casing leak at
480'. Perf @ 1000' and
bradenhead squeezed w/560
sxs.
- 11/29/78 - Dump acid w/750 gals 15%
- 10/17/79 - Dump acid w/750 gals 15%
- 7/31/81 - Dump acid w/750 gals 15%
- 8/24/82 - Dump acid w/750 gals 15%
- 3/18/83 - Dump acid w/750 gals 15%

5 1/2" OD
Gr H _____
14 # Csg set @
3758 ' w/ 390 sx
Cmt. Circ? No
TOC @ 1678 by TS
Calc

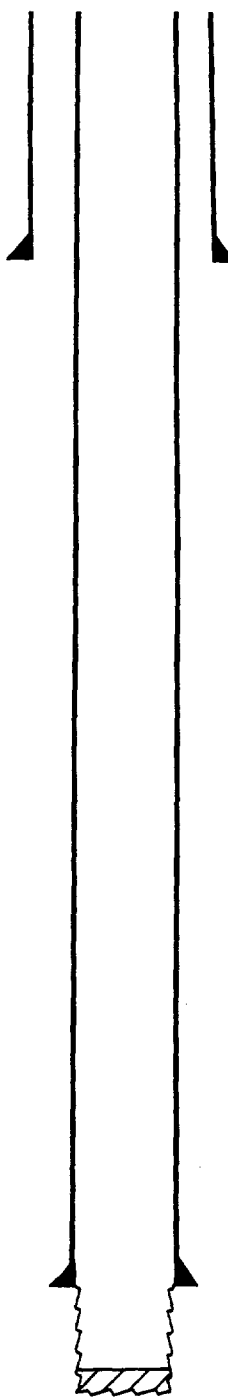
Present Prod. _____ BOPD _____ BWPD
_____ MCFPD _____ GOR
Date _____

Remarks or Additional Data:
5 1/2" csg in 7 7/8" hole
4 3/4 OH

PBD _____
TD 3870

WELL DATA SHEET

LEASE Chevron WA Ramsay (NCT-A) WELL NO. 10 FIELD Eumont DATE 11/15/88
LOCATION 1980 FEET FROM S LINE AND 1980 FEET FROM W LINE
SECTION 35 TOWNSHIP 21-S RANGE 36-E COUNTY Lea STATE NM



GE: 3581
KDB to GE _____
DF to GE 6.5

9 5/8" OD 25.7 lbs.
Surf. Pipe set @
291 w/ 250 sx
cmt. Circ? Yes

5 1/2 " OD
Gr H
14 # Csg set @
3769 ' w/ 350 sx
Cmt. Circ? No
TOC @ 2600 by TS

Date Completed 7/6/47
Initial Formation Penrose/Grayburg
FROM: 3769 TO: 3880
Initial Production 117 BOPD 4 BWPD
nm MCFPD nm GOR

Completion Data:
Acidized w/2000 gals.

Subsequent Workover or Reconditioning:

- 10/1/51 - Acidized w/1000 gals 15%.
- 12/26/51 - Acidized w/2500 gals.
- 3/9/53 - Install rod pump
- 6/27/56 - Plugged back to 3864 w/ Hydromite. Fraced w/10,000 gals oil & 10,000 #'s sand Well flowed.
- 7/13/78 - Dump acid w/750 gals 15%
- 4/9/81 - Dump acid w/750 gals
- 10/23/84 - Equip to pump. Acidize w/ 1000 gals 15%.

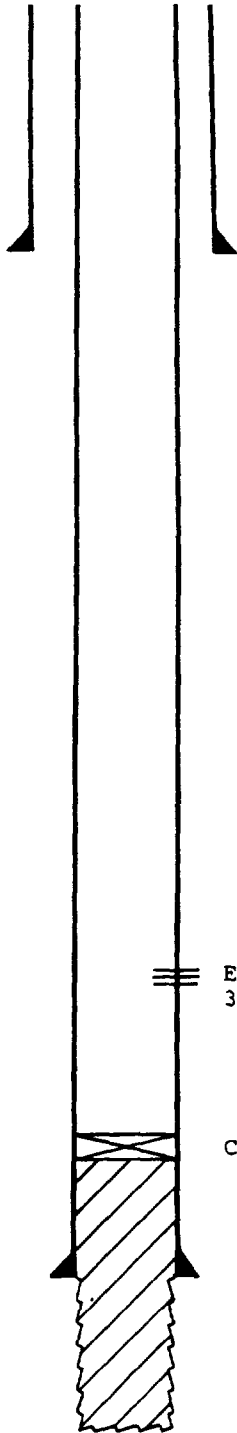
Present Prod. _____ BOPD _____ BWPD
_____ MCFPD _____ GOR
_____ Date

Remarks or Additional Data:
5 1/2" in 7 7/8" hole
4 3/4" OH

PBD 3864
TD 3880

WELL DATA SHEET

(Gas)
 LEASE Chevron WA Ramsay (NCT-A) WELL NO. 12 FIELD Eumont DATE 11/15/88
 LOCATION 660 FEET FROM S LINE AND 660 FEET FROM W LINE
 SECTION 35 TOWNSHIP 21-S RANGE 36-E COUNTY Lea STATE NM



GE: 3580 '
 KDB to GE 10 '
 DF to GE _____'

9 5/8" OD 25.7 lbs.
 Surf. Pipe set @
291 w/ 250 sx
 cmt. Circ? yes

Eumont Gas Perfs
 3598'-3746'

Cement rtn at 3757'

5 1/2" OD
 Gr H _____
14 # Csg set @
3761 ' w/ 350 sx
 Cmt. Circ? No
 TOC @ 1894 by TS
 Calc

Date Completed 6/13/42
 Initial Formation Penrose
 FROM: 3761 TO: 3865
 Initial Production 31 BOPD 0 BWPD
50 MCFPD 1613 GOR

Completion Data:
Acidize w/1000 gals 15%
Re-acidized w/1500 gals 15%

Subsequent Workover or Reconditioning:
3/9/53 - Installed rod pump

7/16/56 - Fraced w/10,000 gals oil &
 10,000 #'s sand. Well
 flowing.

9/29/64 - Dumped acid w/500 gals 15%
 HCL

4/19/73 - Installed rod pump

9/22/81 - Set cmt rtn @ 3757'.
 Squeeze OH w/125 sxs. Perf
 Eumont 3598-3746'. Acidize
 w/2400 gallons.

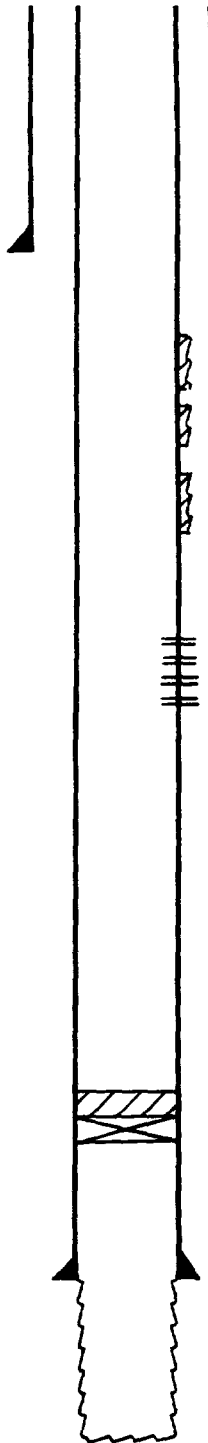
Present Prod. _____ BOPD _____ BWPD
 _____ MCFPD _____ GOR
 _____ Date

Remarks or Additional Data:
5 1/2" csg in 7 7/8" hole
4 3/4" OH

PBD 3757 '
 TD 3865 '

WELL DATA SHEET

LEASE Chevron WA Ramsay (NCT-A) WELL NO. 7 FIELD Eumont DATE 11/15/88
LOCATION 660 FEET FROM S LINE AND 1980 FEET FROM W LINE
SECTION 35 TOWNSHIP 21-S RANGE 36-E COUNTY Lea STATE NM



GE: 3578
KDB to GE 8
DF to GE _____

9 5/8" OD 25.7 lbs.
Surf. Pipe set @
305 w/ 250 sx
cmt. Circ? Yes

Squeezed csg. leaks at

- 637'
- 672'
- 748'
- 1328'

Eumont Perfs
2912'-3678'

CIBP @ 3753'

5 1/2" OD
Gr H
14 # Csg set @
3785 ' w/ 200 sx
Cmt. Circ? No
TOC @ 1572 by T8
Calc

Date Completed 10/1/40
Initial Formation Grayburg
FROM: 3785 TO: 3870
Initial Production 1506 BOPD 0 BWPD
852 MCFPD 565 GOR

Completion Data:
OH Completion

Subsequent Workover or Reconditioning:
12/10/44 - Ran pkr to 3848

6/13/49 - Install gas lift

9/4/52 - Install rod pump

2/13/64 - Pump acid w/1000 gals.

4/23/65 - Squeezed casing leak at 637' w/375 sxs. Dump acid w/1000 gals.

9/10/65 - CI

8/20/73 - Abandoned Arrowhead. Set CIBP @ 3753', topped w/2 sxs. Perf Eumont 2912 - 3678'. Fraced w/14,000 gals & 21,000 #'s sand. Found holes in casing at 748' and 1328'. Squeezed w/300 sxs. Found leak at 672'. Squeezed w/50 sxs.

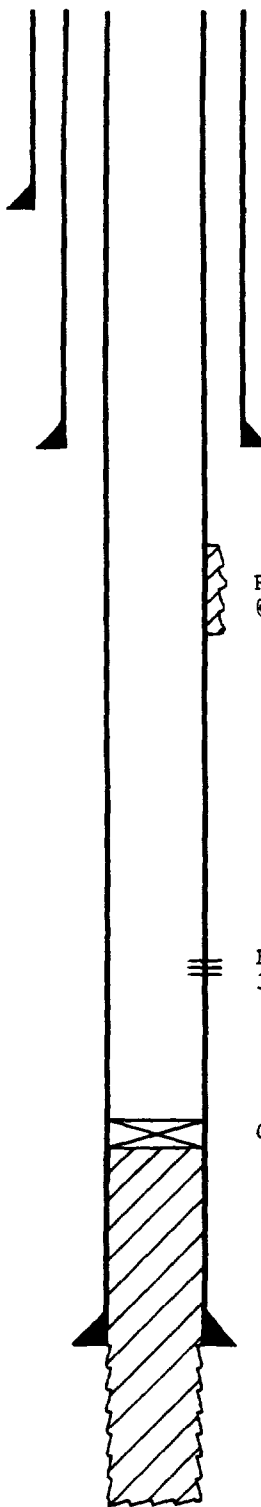
Present Prod. _____ BOPD _____ BWPD
_____ MCFPD _____ GOR
_____ Date

Remarks or Additional Data:
5 1/2" casing in 6 3/4" hole
4 3/4" OH

PBD 3736
TD 3870

WELL DATA SHEET

LEASE Chevron WA Ramsay (NCT-A) WELL NO. 3 FIELD Eumont DATE 11/15/88
 LOCATION 660 FEET FROM S LINE AND 1980 FEET FROM E LINE
 SECTION 35 TOWNSHIP 21-S RANGE 36-E COUNTY Lea STATE NM



GE: 3568 '
 KDB to GE 8 '
 DF to GE 7 '

13 3/8" OD 54.5 lbs.
 Surf. Pipe set @
34' w/ 60 sx
 Cmt. Circ? yes

8 5/8" OD lbs.
 Thd Gr C&D
32# Csg set at
1414' w/ 689 sx
 Cmt. Circ? Yes
 TOC at ' by
 TS

Repaired csg. leak
 @ 1400'

Eumont Perfs
 3465'-3710'

Cmt. rtn @ 3730'

6 " OD
 Gr D
16 # Csg set @
3750' w/ 250 sx
 Cmt. Circ? No
 TOC @ 2650 by TS

Date Completed 7/26/38
 Initial Formation Grayburg
 FROM: 3750 TO: 3810
 Initial Production 528 BOPD 0 BWPD
 nm MCFPD nm GOR

Completion Data:
 OH Completion 3750-3810'

Subsequent Workover or Reconditioning:
10/47 - Ran pkr to 3700'.

3/55 - Put well on pump.

11/55 - Repair casing leak at 1400'.
 Perf 6" at 1500', bradenhead
 squeezed w/368 sxs.

10/78 - Set cmt rtn @ 3730' and
 squeeze Grayburg OH w/100
 sxs cmt. Perf Eumont 3465 -
 3710'. Straddled and acid-
 ized each set of perfs.
 Total acid = 4000 gals.

Present Prod. BOPD BWPD
 MCFPD GOR
 Date

Remarks or Additional Data:
6" in 7 7/8" hole
5 3/8" OH

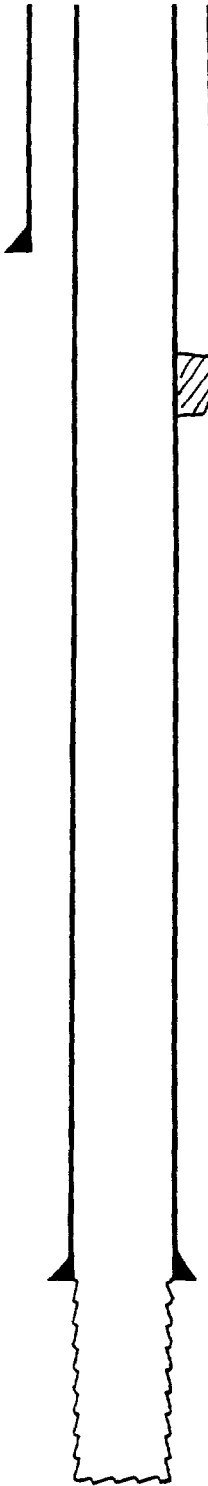
PBD 3730 '
 TD 3810 '

WELL DATA SHEET

LEASE Chevron WA Ramsay (NCT-A) WELL NO. 4 FIELD Arrowhead DATE 11/15/88

LOCATION 660 FEET FROM S LINE AND 660 FEET FROM E LINE

SECTION 35 TOWNSHIP 21-S RANGE 36-E COUNTY Lea STATE NM



GE: 3560 '
KDB to GE 8.5 '
DF. to GE _____'

10 3/4" OD _____ lbs.
Surf. Pipe set @
265 w/ 425 sx
cmt. Circ? Yes

repaired casing leak
616' to 876'

Date Completed 2/26/39
Initial Formation Grayburg
FROM: 3760 TO: 3860
Initial Production 1214 BOPD 0 BWPD
1125 MCFPD 927 GOR

Completion Data:
OH Completion

Subsequent Workover or Reconditioning:

- 11/17/54 - Install Pump
- 2/21/67 - Dump acid w/500 gals 15%
- 5/4/72 - Dump acid w/500 gals 15%
- 6/1/73 - Dump acid w/750 gals 15%
- 11/29/77 - Dump acid w/1000 gals 15%
HCL
- 7/13/82 - Install larger pumping unit.
- 9/89 - Repair Casing Leak 616' - 876' w/ 290 sxs. Acidize open-hole w/2500 gals

6 " OD
Gr C
16 # Csg set @
3760 ' w/ 340 sx
Cmt. Circ? _____
TOC @ 2259 by TS
Calc

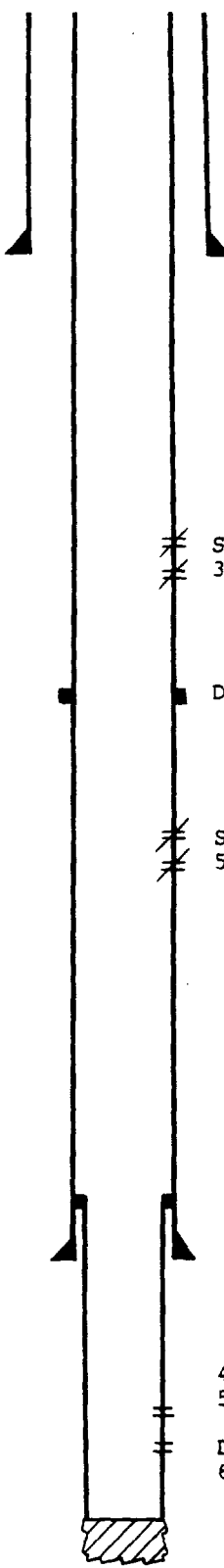
Present Prod. _____ BOPD _____ BWPD
_____ MCFPD _____ GOR
_____ Date

Remarks or Additional Data:
6" csg set in 8 5/8" hole.
5 3/8" OH

PBD _____ '
TD 3860 '

WELL DATA SHEET

LEASE Chevron H. Leonard (NCT-C) WELL NO. 12 FIELD Drinkard DATE 11/16/88
 LOCATION 660 FEET FROM N LINE AND 410 FEET FROM E LINE
 SECTION 36 TOWNSHIP 21-S RANGE 36-E COUNTY Lea STATE NM



GE: 3504 '
 KDB to GE 11.5 '
 DF to GE 10 '

9 5/8" OD 36 lbs.
 Surf. Pipe set @
1230 w/ 500 sx
 cmt. Circ? Yes

Squeezed Grayburg Perfs
3674'-3793

DV Tool @ 3922'

Squeezed Blinebry Perfs
5528'-5836

7 " OD
 Gr K-55
20 & 23# Csg set @
5999 ' w/ 665 sx
 Cmt. Circ? No
 TOC @ 2410 by TS

4 1/2" 11.6# liner
5883'-6766' w/ 150 sx.

Drinkard Perfs
6534'-6715'

PBD _____ '
 TD 6800 '

Date Completed 8/17/71
 Initial Formation Blinebry/Grayburg
 FROM: 5528/3674 TO: 5836/3793
 Initial Production 122/38 BOPD 114/93 BWI
 nm _____ MCFPD nm _____ GOR

Completion Data:
 Perf Blinebry 5528 - 5836'. Acidized
 w/750 gals. Fraced w/42,000 gals GBW
 & 54,000 #'s sand & 6000 gals 15%
 HCL. Set pkr w/blanking plug @ 5448'
 Perf Grayburg 3726 - 28, 3768 - 70,
3791 - 93. Fraced perfs w/28,000
 gals GBW, 3000 gals 15% HCL & 36,000
 #'s sand.

Dual completed. Blinebry and
 Arrowhead.

Subsequent Workover or Reconditioning:
6/8/76 - Squeezed Arrowhead perfs w/
300 sxs.

Deepened to 6800'. Ran 4 1/2
 liner 5883 - 6766' w/150
 sx. Perf Drinkard 6534 -
6715'. Treated Drinkard
 perfs w/6000 gals 15%.
 Fraced w/10,000 GBW &
 25,000 gals GBW w/1-2 ppg
 sand. Treated Blinebry
 perfs w/3000 gals 15%. Set
 pkr at 5990'. Dual complete
 (Blinebry up annulus).

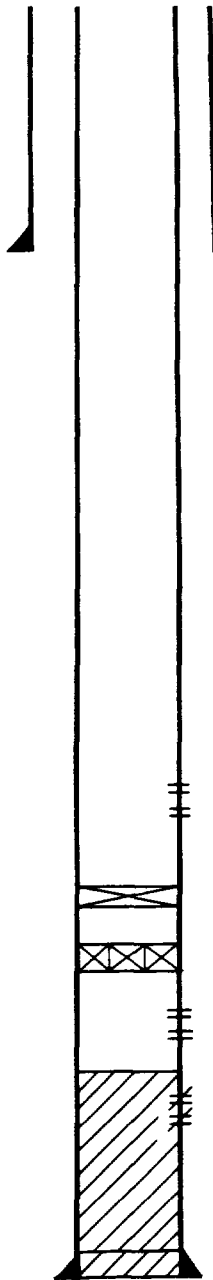
5/3/78 - Squeezed Blinebry perfs w/
75 sxs.

Present Prod. _____ BOPD _____ BWPD
 _____ MCFPD _____ GOR
 _____ Date

Remarks or Additional Data:
7" casing in 8 3/4" hole
4 1/2 liner in 6 1/4" hole

WELL DATA SHEET

LEASE Chevron H. Leonard (NCT-C) WELL NO. 9 FIELD Eumont Gas DATE 11/15/8
 LOCATION 660 FEET FROM N LINE AND 1980 FEET FROM E LINE
 SECTION 36 TOWNSHIP 21-S RANGE 36-E COUNTY Lea STATE NM



GE: 3500 '
 KDB to GE 9.5 '
 DF to GE _____'

8 5/8" OD 24 lbs.
 Surf. Pipe set @
267 w/ 225 sx
 cmt. Circ? Yes

Eumont Perfs
 3474'-3590'

CIBP @ 3638'

Production Packer w/
 Plug @ 3665'

Arrowhead Perfs
 3702'-3730'

Squeezed Arrowhead Perfs
 3684'-3762'

5 1/2 " OD
 Gr J-55
14 # Csg set @
3775 ' w/ 1375 sx
 Cmt. Circ? No
 TOC @ 120 by TS

Date Completed 7/13/56
 Initial Formation Eumont/Grayburg
 FROM: 3474/3702 TO: 3590/3730
 Initial Production 0/60 BOPD 0/16 BWPD
11,750/429 MCFPD NA/7147 GOR

Completion Data:
 Perf 3684-3730 & 3746-3762. Fraced
3746-62 w/5000 gals 15% & 5000 #'s
 sand. Fraced 3684-3730 w/10,000 gals
 15% & 10,000 #'s sand. Squeezed
 perfs w/1203 sxs. PB to 3740'. Perf
3702-3730'. Acidized w/1000 gals 15%
 HCL.

Set prod. pkr @ 3665. Perf Eumont
3474-93', 3504-20', 3526-32', 3537-64',
3570-90'. Broke down perfs w/
250 gals. Frac Eumont w/10,000 gals
 oil & 10,000 #'s sand.

Dual complete - Arrowhead up tbq.
 Eumont gas up annulus.

Subsequent Workover or Reconditioning:
10/19/64 - Acidized Arrowhead w/500
 gals 15% HCL.

11/30/71 - Set plug in SN at 3698'.
 T/A Arrowhead.

11/24/72 - Set CIBP @ 3638'. Prod.
 Eumont up tbq.

6/2/80 - Acidized Eumont w/750 gals
 15% HCL.

Present Prod. _____ BOPD _____ BWPD
 _____ MCFPD _____ GOR
 _____ Date

Remarks or Additional Data:
5 1/2" in 7 7/8" hole

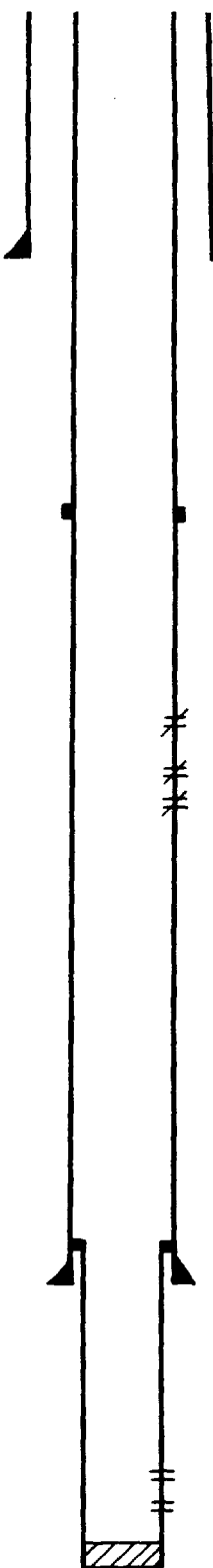
Never pumped Arrowhead.

PBD 3638 '

TD 3775 '

WELL DATA SHEET

LEASE Chevron H. Leonard (NCT-C) WELL NO. 13 FIELD Drinkard DATE 11/16/88
LOCATION 510 FEET FROM N LINE AND 1780 FEET FROM E LINE
SECTION 36 TOWNSHIP 21-S RANGE 36-E COUNTY Lea STATE NM



GE: 3505 '
KDB to GE 11 '
DF to GE _____'

8 5/8" OD 24 lbs.
Surf. Pipe set @
1243 w/ 400 sx
cmt. Circ? Yes

DV tool @ 3604'

* Squeezed Blinebry Perf 5512'
* Squeezed Blinebry Perfs 5540'-5827'

5 1/2" OD
Gr K-55
14 & 15.5# Csg set @
5885 ' w/ 640 sx
Cmt. Circ? No
TOC @ 2050 by TS

4" 11.3# liner from
5774' to 6806' w/
75 sxs.

Drinkard Perfs
6517'-6703'

PBD 6764 '

TD 6806 '

Date Completed _____
Initial Formation Blinebry
FROM: 5512 TO: 5827
Initial Production 167 BOPD 692 BWPD
nm MCFPD nm GOR

Completion Data:
Perf Blinebry 5512, 5540, 5571, 5630
5655, 5692, 5827. Fraced perfs w/
50,000 gals GBW w/i-3 #'spg & 1500
gals 15% HCL.

Subsequent Workover or Reconditioning:
6/23/72 - Squeezed perf at 5512' w/
100 sxs.

4/1/76 - Deepened to 6806'. Ran 4"
liner 5774-6806'. Perf
Drinkard 6517 - 6703'.
Acidized w/3500 gals GBW &
30,000 gals GBW w/i-3 # spg
Frac w/40,000 gals GBW &
40,000 #'s sand. Produced
Drinkard below pkr at 6440'

8/29/79 - Squeezed Blinebry perfs w/
42 sxs.

3/13/80 - Repair tbg leak.

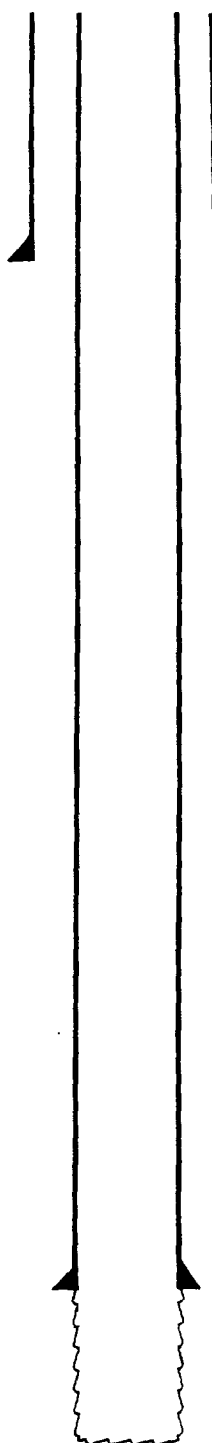
Present Prod. _____ BOPD _____ BWPD _____
_____ MCFPD _____ GOR _____
Date _____

Remarks or Additional Data:
5 1/2" csg in 7 7/8" hole.
4" liner in 4 3/4" OH

WELL DATA SHEET

100 119 21

LEASE Chevron H. Leonard (NCT-C) WELL NO. 5 FIELD Arrowhead DATE 11/15/88
LOCATION 660 FEET FROM N LINE AND 1980 FEET FROM W LINE
SECTION 36 TOWNSHIP 21-S RANGE 36-E COUNTY Lea STATE NM



GE: 3502 '
KDB to GE 9 '
DF to GE _____'

9 5/8" OD 25.7 lbs.
Surf. Pipe set @
289 w/ 250 sx
cmt. Circ? Yes

Date Completed 9/25/42
Initial Formation Grayburg
FROM: 3675 TO: 3800
Initial Production 276 BOPD 0 BWPD
268 MCFPD 971 GOR

Completion Data:
OH completion w/production packer at 3709'.

Subsequent Workover or Reconditioning:
12/12/57 - Fraced w/16,000 gals oil & 16,000 #'s sand.

6/24/68 - CO to 3800'.

12/3/74 - CO to 3800'.

9/11/75 - CO to 3800'.

1/7/77 - Dump acid w/3500 gals 15% HCL.

10/19/87 - CO from 3783 to 3800. Perf open-hole 3686 - 3778 w/100 shots. CO to 3800'. Squeeze treat for scale.

Present Prod. _____ BOPD _____ BWPD
_____ MCFPD _____ GOR
_____ Date

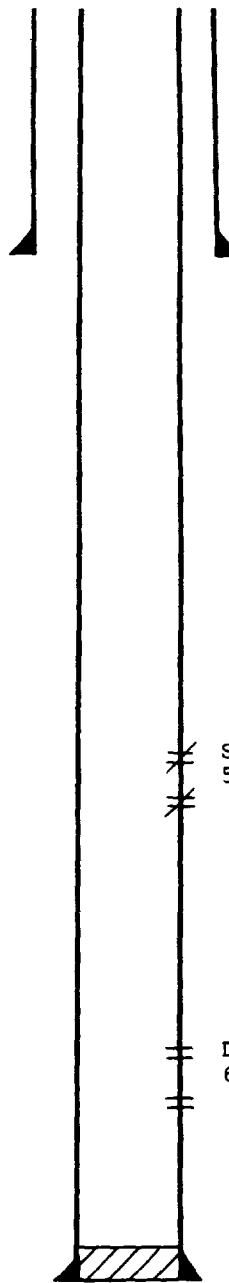
5 1/2 " OD
Gr H-40
14 # Csg set @
3675 ' w/ 200 sx
Cmt. Circ? No
TOC @ 1462 by TS
Calc

Remarks or Additional Data:
5 1/2" in 6 3/4" hole
4 3/4" OH

PBD _____ '
TD 3800 _____'

WELL DATA SHEET

LEASE Chevron H. Leonard (NCT-C) WELL NO. 17 FIELD Drinkard DATE 11/16/88
 LOCATION 560 FEET FROM N LINE AND 2310 FEET FROM W LINE
 SECTION 36 TOWNSHIP 21-S RANGE 36-E COUNTY Lea STATE NM



GE: 3503 '
 KDB to GE 13.6 '
 DF to GE 12 '

8 5/8" OD 24 lbs.
 Surf. Pipe set @
1226 w/ 425 sx
 cmt. Circ? Yes

* Squeezed Blinebry perfs
 5538'-5690'

== Drinkard Perfs
 6562'-6716'

5 1/2" OD
 Gr K-55
14, 15.5 & 17# Csg set @
6855 ' w/ 700 sx
 Cmt. Circ? No
 TOC @ 2410 by TS

Date Completed 5/21/75
 Initial Formation Drinkard
 FROM: 6562 TO: 6716
 Initial Production 54 BOPD 78 BWPD
 nm MCFPD nm GOR

Completion Data:
Perf Drinkard 6562 - 6716'. Acidized
 and fracture treated.

Subsequent Workover or Reconditioning:
4/20/76 - Perf Blinebry 5538 - 5690.
 Acidized & fraced. Down-
 hole commingled Blinebry &
 Drinkard.

8/2/76 - Cleaned out 97' fill to
 6809'.

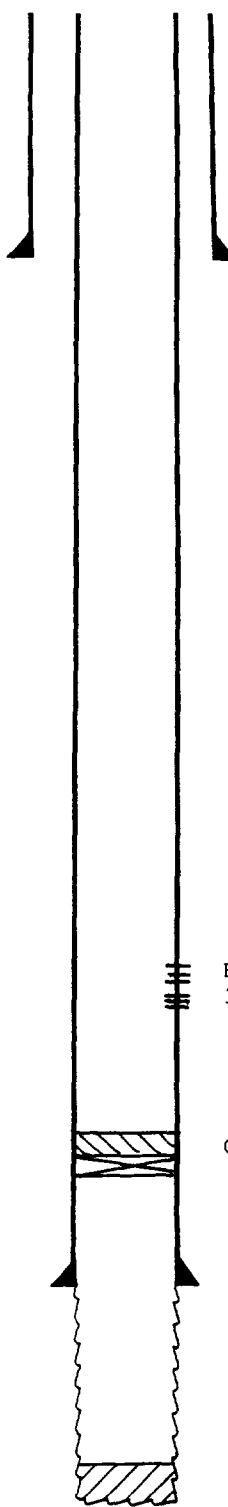
6/2/78 - Squeezed Blinebry perfs.

Present Prod. _____ BOPD _____ BWPD
 _____ MCFPD _____ GOR
 _____ Date _____

Remarks or Additional Data:
5 1/2" casing in 7 7/8" hole

PBD 6809 '
 TD 6856 '

LEASE Chevron H. Leonard (NCT-C) WELL NO. 4 FIELD Eumont Gas DATE 12/7/88
LOCATION 660 FEET FROM N LINE AND 660 FEET FROM W LINE
SECTION 36 TOWNSHIP 21-S RANGE 36-E COUNTY Lea STATE NM



GE: 3531 '
KDB to GE 10 '
DF to GE _____'

9 5/8" OD 25.7 lbs.
Surf. Pipe set @
293 w/ 250 sx
cmt. Circ? yes

Date Completed 2/12/42
Initial Formation Grayburg
FROM: 3730 TO: 3825
Initial Production 267 BOPD 0 BWPD
603 MCFPD 225 GOR

Completion Data:
OH Completion

Subsequent Workover or Reconditioning:
3/28/45 Ran & set formation packer
@ 3777'.

4/19/57 PB to 3788' w/ 22 gals.
hydromite. Acidized 3742'-
3788' w/ 3000 gals 15%.
Installed rod pump.

9/90 Abandoned Grayburg w/ CIBP
at 3710' and 35' cmt. Perf
Eumont 3428 - 3604', acidize
with 2550 gals, frac w/ 4200
gals GW, 114000 #'s sand, and
113 tons CO2.

Eumont Perfs
3428' - 3604'

CIBP @ 3710' W/35' cmt

5 1/2" OD
Gr H
14 # Csg set @
3730' w/ 350 sx
Cmt. Circ? No
TOC @ 2495 by TS

Present Prod. _____ BOPD _____ BWPD
_____ MCFPD _____ GOR
_____ Date

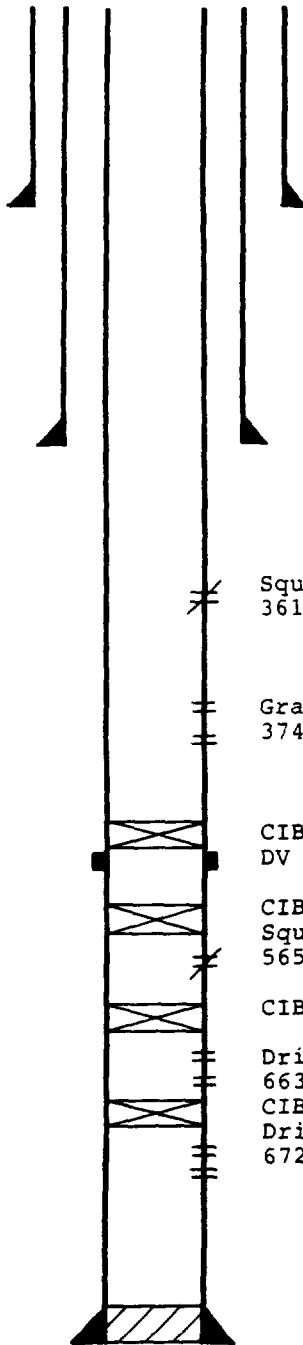
Remarks or Additional Data:
5 1/2" casing in 7 7/8" hole 4 3/4"
OH

PBD 3675 '
TD 3825 '

WELL DATA SHEET

AGU 120

LEASE Chevron H. Leonard (NCT-C) WELL NO. 20 FIELD Arrowhead DATE 11/17/88
 LOCATION 660 FEET FROM N LINE AND 990 FEET FROM W LINE
 SECTION 36 TOWNSHIP 21-S RANGE 36-E COUNTY Lea STATE NM



GE: 3519 '
 KDB to GE 13.6 '
 DF to GE _____'

11 3/4" OD 42 lbs.
 Surf. Pipe set @
 420 w/ 275 sx
 cmt. Circ? Yes

8 5/8" OD 24 &
 32 lbs.
 Csg set at
 2769' w/ 750 sx
 Cmt. Circ? Yes
 TOC at _____' by
 TS

Squeezed Eumont Perfs
 3610'-3642'

Grayburg Perfs
 3746'-3866'

CIBP @ 4120'
 DV tool @ 4699'

CIBP @ 5600'
 Squeezed Blinebry Perfs
 5657'-5794'

CIBP @ 6615'

Drinkard Perfs
 6634'-6670'
 CIBP @ 6710'
 Drinkard Perfs
 6726'-6675'

5 1/2" OD
 Gr K-55
 15.5# Csg set @
 6929' w/ No sx
 Cmt. Circ? No
 TOC @ 400 by TS

Date Completed 3/15/85
 Initial Formation Blinebry
 FRCM: 5657 TO: 5794
 Initial Production 0 BOPD 158 BWPD
 _____ MCFPD _____ GOR

Completion Data:
 Perf Blinebry 5657 - 5794. Acidized
 and fraced.

Subsequent Workover or Reconditioning:

6/4/85 - Squeezed Blinebry perfs w/
 150 sx. Perf Drinkard
 6726 - 6775'. Acidize
 Drinkard. Set CIBP @ 6710'.
 Perf Drinkard 6634 - 6670'.
 Acidize.

11/85 - Set CIBP's @ 6615, 5600,
 4120. Perf Eumont 3610 -
 3642'. Acidize.

12/85 - Squeeze Eumont perfs w/950
 sx. Perf Grayburg 3746-48',
 3760-62', 3774-76', 3785-87',
 3805-07', 3816-18', 3828-30',
 3839-41', 3849-51', 3864-66'
 Acidize w/3000 gals 15% HCL.

Present Prod. _____ BOPD _____ BWPD
 _____ MCFPD _____ GOR
 _____ Date

Remarks or Additional Data:

5 1/2" casing in 7 7/8" hole

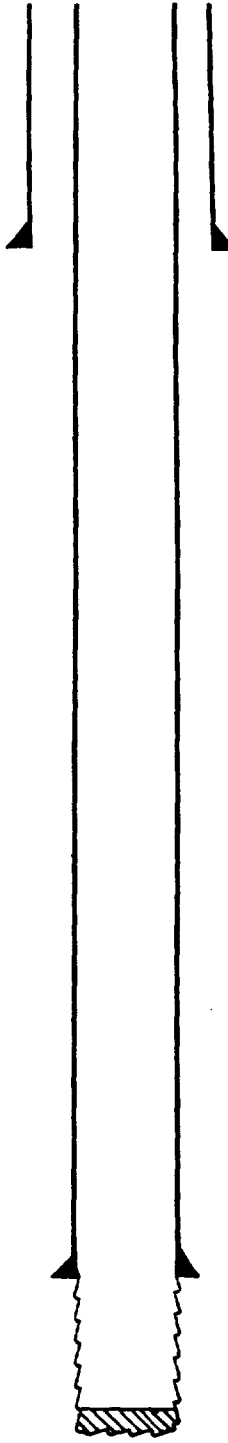
Titan 5 1/2" CIBP knocked downhole
 to 6846'.

PBD 4075 '

TD 6930 '

WELL DATA SHEET

LEASE Chevron H. Leonard (NCT-C) WELL NO. 3 FIELD Arrowhead DATE 11/15/88
LOCATION 1980 FEET FROM N LINE AND 660 FEET FROM W LINE
SECTION 36 TOWNSHIP 21-S RANGE 36-E COUNTY Lea STATE NM



DF: 3544 '
KDB to GE _____ '
DF to GE _____ '

9 5/8" OD 25.7 lbs.
Surf. Pipe set @
290 w/ 275 sx
cmt. Circ? Yes

Date Completed 7/17/40
Initial Formation Grayburg
FROM: 3739 TO: 3840
Initial Production 607 BOPD 0 BWPD
995 MCFPD 1638 GCR

Completion Data:
OH Completion _____

Subsequent Workover or Reconditioning:

- 3/26/45 - Set production pkr @ 3770'
- 4/28/45 - Acidized w/1000 gals 15%.
Could not unset pkr @ 3770'
- 6/4/48 - Perf tbq above pkr @ 3745'.
- 6/10/57 - Fish pkr. Clean out to 3840'. Plugged back to 3800' w/hydromite and aqua seal. Acidized OH w/3000 gals 15%. Set formation pkr @ 3760. Flowed 26 BOPD
- 3/22/64 - Acidized w/500 gals 15%.
- 10/5/64 - Acidized w/500 gals 15%.
Installed rod pump.
- 10/1/80 - Dump acid w/1000 gals 15%
HCL.
- 2/19/85 - CO to 3800' and scale inhibit squeeze.

9/89 - Acidized
Present Prod. _____ BOPD _____ BWPD
_____ MCFPD _____ GOR
_____ Date _____

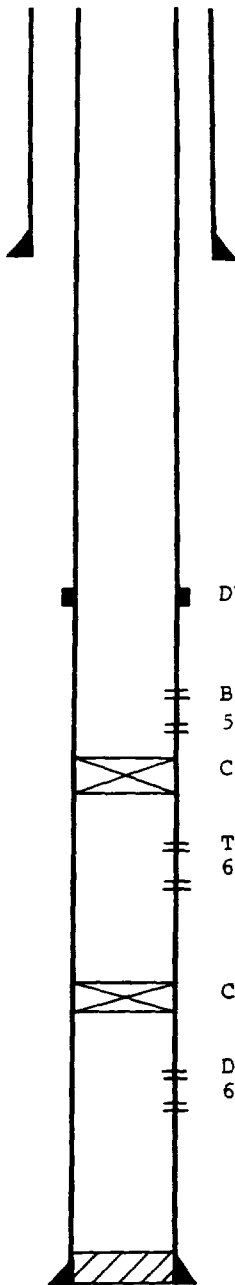
5 1/2 " OD
Gr H
14 # Csg set @
3739 ' w/ 350 sx
Cmt. Circ? _____
TOC @ 1872 by TS
Calc

Remarks or Additional Data:
5 1/2" in 7 7/8" hole
4 3/4" open-hole

PBD 3800 '
TD 3840 '

WELL DATA SHEET

LEASE Chevron H. Leonard (NCT-C) WELL NO. 19 FIELD Blinebry DATE 11/16/88
 LOCATION 1980 FEET FROM N LINE AND 990 FEET FROM W LINE
 SECTION 36 TOWNSHIP 21-S RANGE 36-E COUNTY Lea STATE NM



GE: 3537 '
 KDB to GE 10.6 '
 DF to GE _____'

8 5/8" OD 24 lbs.
 Surf. Pipe set @
1229 w/ 550 sx
 cmt. Circ? Yes

Date Completed 5/6/77
 Initial Formation Drinkard
 FROM: 6579 TO: 6718
 Initial Production 140 BOPD 168 BWPD
 _____ MCFPD _____ GOR

Completion Data:
Perf Drinkard 6579 - 6718'. Acidized and fraced.

Subsequent Workover or Reconditioning:
9/17/79 - TA Drinkard and complete in Tubb. Set CIBP @ 6525'. Perf Tubb 6291 - 6509'. Acidize.

8/5/80 - Frac Tubb.

Set CIBP @ 6275'. Perf Blinebry 5570 - 5791'. Acidize and frac.

DV tool @ 3303'

Blinebry Perfs
 5570'-5791'

CIBP @ 6275'

Tubb Perfs
 6291'-6509'

CIBP @ 6525'

Drinkard Perfs
 6579'-6718'

5 1/2" OD
 Gr K-55
15.5# Csg set @
6800 ' w/ 1850 sx
 Cmt. Circ? Yes
 TOC @ _____ by TS

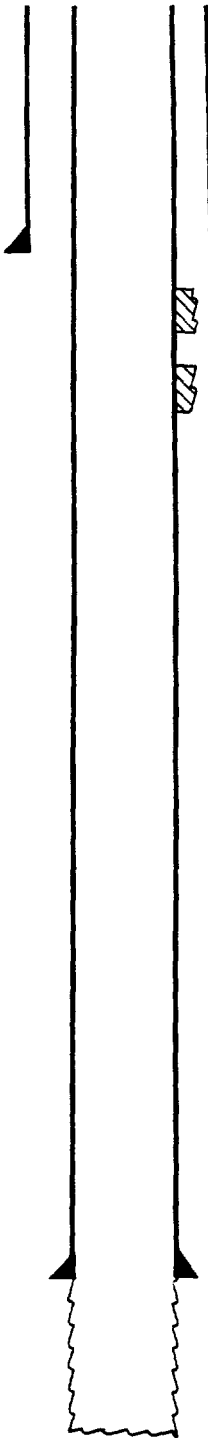
Present Prod. _____ BOPD _____ BWPD
 _____ MCFPD _____ GOR
 _____ Date

Remarks or Additional Data:
5 1/2" casing in 7 7/8" hole

PBD 6275 '
 TD 6800 '

WELL DATA SHEET

LEASE Chevron H. Leonard (NCT-C) WELL NO. 6 FIELD Arrowhead DATE 11/15/88
 LOCATION 1980 FEET FROM N LINE AND 1980 FEET FROM W LINE
 SECTION 36 TOWNSHIP 21-S RANGE 36-E COUNTY Lea STATE NM



GE: 3530 '
 KDB to GE 11 '
 DF to GE _____'

9 5/8" OD 25.7 lbs.
 Surf. Pipe set @
285 w/ 250 sx
 cmt. Circ? Yes

Repaired casing leak @
 460' w/ 200 sxs.

Repaired casing leak @
 742'-755' w/ 200 sxs.

5 1/2 " OD
Gr H
14 # Csg set @
3730 ' w/ 200 sx
 Cmt. Circ? _____
 TOC @ 157 by TS
 Calc

Date Completed 2/29/44
 Initial Formation Grayburg
 FROM: 3730 TO: 3830
 Initial Production 690 BOPD 0 BWPD
2070 MCFPD 3000 GOR

Completion Data:
 OH Completion _____

Subsequent Workover or Reconditioning:
2/9/45 - Set production pkr at 3750'

1/27/58 - Fraced w/16,000 gals oil &
 16,000 #'s sand.

8/22/72 - Repaired casing leak at
 460'. Pumped 200 sx, cmt
 circulated, closed braden-
 head valve. Squeezed leak
 at 742-755' w/200 sxs.
 Clean out to 3830'.

4/29/74 - Clean out 84' of fill to
 3830'. Dump acid w/750
 gals 15% HCL.

6/26/75 - Dump acid w/500 gals HCL.

6/24/76 - CO 12' fill to 3830 and
 dump acid w/1000 gals 15%
 HCL. Perf OH 3732-42',
 3744-48', 3750-60', 3764-
 69', 3780-90', 3792-3803'
 w/200 holes. CO fill to
 3809'. Acidized w/3000
 gals.

2/1/78 - Increase pumping equipment
 capacity.

9/14/87 - Cleaned out fill to 3808'.
 Perf open-hole 3732-42',
 3744-48', 3750-60', 3764-
 69', 3774-84', 3789-97'.
 CO to 3830'.

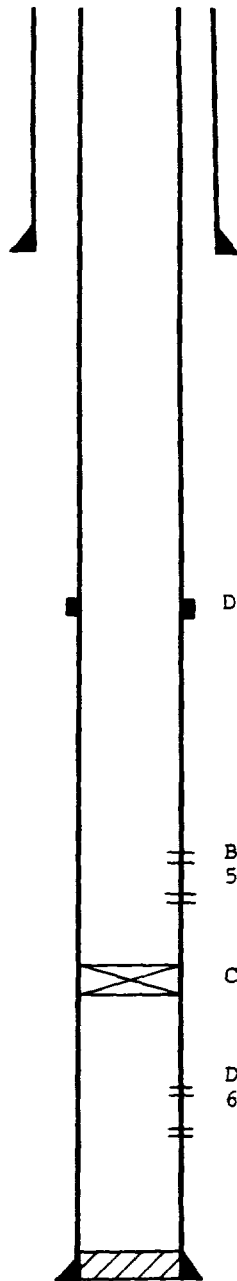
Present Prod. _____ BOPD _____ BWPD
 _____ MCFPD _____ GOR
 _____ Date _____

Remarks or Additional Data:
5 1/2" casing in 6 3/4" hole
4 3/4" OH

PBD _____ '
 TD 3830 '

WELL DATA SHEET

LEASE Chevron H. Leonard (NCT-C) WELL NO. 18 FIELD Blinebry DATE 11/16/88
 LOCATION 2080 FEET FROM N LINE AND 2310 FEET FROM W LINE
 SECTION 36 TOWNSHIP 21-S RANGE 36-E COUNTY Lea STATE NM



GE: 3517 '
 KDB to GE 10.4 '
 DF to GE _____'

8 5/8" OD 24 lbs.
 Surf. Pipe set @
1240 w/ 500 sx
 cmt. Circ? Yes

DV Tool @ 3879'

Blinebry Perfs
 5522'-5758'

CIBP @ 6525'

Drinkard Perfs
 6544'-6723'

5 1/2" OD
 Gr K-55
15.5# Csg set @
6800 ' w/ 2075 sx
 Cmt. Circ? Yes

Gap in cmt. from
 2620 - 2965'.

Date Completed 10/7/76
 Initial Formation Drinkard
 FROM: 6544 TO: 6723
 Initial Production 90 BOPD 105 BWPD
 MCFPD _____ GOR _____

Completion Data:
Perf 5 1/2 @ 2620' and circulated
cement behind casing w/925 sxs. Perf
Drinkard 6544 - 6723'. Acidized and
fraced.

Subsequent Workover or Reconditioning:
7/19/84 - Set CIBP @ 6525'. Perf
Blinebry 5522 - 5758'.
Acidized and fraced.

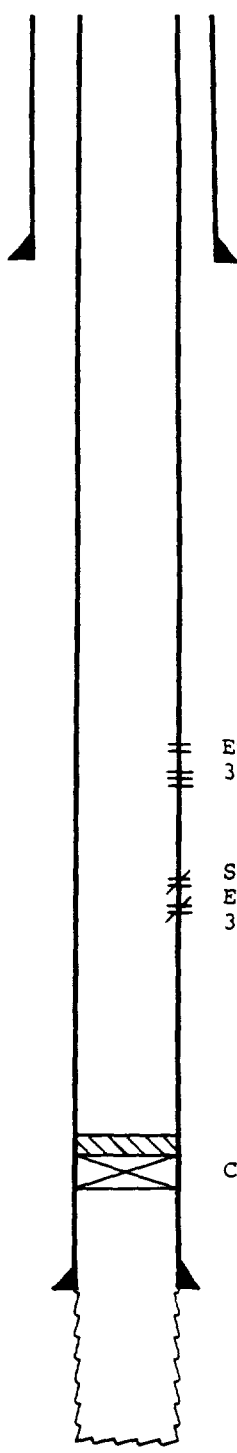
Present Prod. _____ BOPD _____ BWPD
 _____ MCFPD _____ GOR
 _____ Date _____

Remarks or Additional Data:
7 7/8" hole

PBD 6525 '
 TD 6800 '

WELL DATA SHEET

LEASE Chevron H. Leonard (NCT-C) WELL NO. 7 FIELD Eumont Gas DATE 11/15/81
LOCATION 1980 FEET FROM N LINE AND 1980 FEET FROM E LINE
SECTION 36 TOWNSHIP 21-S RANGE 36-E COUNTY Lea STATE NM



GE: 3497 '
KDB to GE 10 '
DF to GE _____'

9 5/8" OD 25.7 lbs.
Surf. Pipe set @
294 w/ 135 sx
cmt. Circ? Yes

== Eumont Gas Perfs
== 3219'-3432'

== Squeezed
== Eumont Perfs
== 3469'-3612'

CIBP @ 3675' w/ 35' cmt.

5 1/2" OD
Gr H
14 # Csg set @
3712' w/ 200 sx
Cmt. Circ? No
TOC @ 2645 by T6
Calc

Date Completed 4/3/44
Initial Formation Grayburg
FROM: 3712 TO: 3805
Initial Production 220 BOPD 0 BWPD
497 MCFPD 2259 GOR

Completion Data:
Acidized w/2000 gals.

Subsequent Workover or Reconditioning:
3/29/62 - Install rod pump.

10/14/64 - Acidized w/500 gals 15% HCL.

6/17/68 - Replace rod string, return to production.

9/18/69 - Repair tbq leaks and return to production.

8/14/72 - Acidized w/750 gals 15%. Return to production.

12/3/79 - Abandoned Arrowhead. Set CIBP @ 3675 w/35' cmt cap. Perf Eumont 3469 - 3612'. Broke down perfs w/150 gals 15% HCL. Acidized w/3600 gals 15% HCL. Squeeze perfs w/100 sx. Perf 3219-3432'. Broke down perfs w/300 gals. Acidized w/4000 gals 15%. Fraced perfs w/7000 gals foam & 4200 #'s sand.

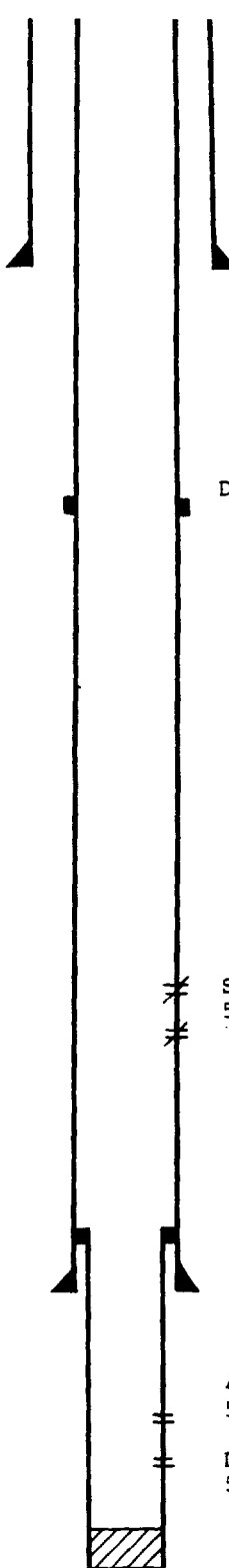
Present Prod. _____ BOPD _____ BWPD
_____ MCFPD _____ GOR
_____ Date

Remarks or Additional Data:
5 1/2" in 7 7/8" hole
4 3/4" OH

PBD 3640 '
TD 3805 '

WELL DATA SHEET

LEASE Chevron H. Leonard (NCT-C) WELL NO. 15 FIELD Drinkard DATE 1/16/88
LOCATION 1650 FEET FROM N LINE AND 2013 FEET FROM E LINE
SECTION 36 TOWNSHIP 21-S RANGE 36-E COUNTY Lea STATE NM



GE: 3498 '
KDB to GE 11.5 '
DF to GE _____'

8 5/8" OD 24 lbs.
Surf. Pipe set @
1235 w/ 400 sx
cmt. Circ? Yes

DV Tool @ 3919'

Squeezed Blinebry Perfs
5552'-5738'

5 1/2" OD
Gr K-55
14 # Csg set @
5892 ' w/ 610 sx
Cmt. Circ? No
TOC @ 2270 by TS

4" 11.6# liner from
5786-6790 w/ 130 sxs.

Drinkard Perfs
5786-6790

PBD 6734 '
TD 6791 '

Date Completed 5/22/72
Initial Formation Blinebry
FROM: 5552 TO: 5738
Initial Production 122 BOPD 58 EWPD
nm MCFPD nm GOR

Completion Data:
Perf Blinebry. Acidize & frac.

Subsequent Workover or Reconditioning:
11/18/75 - Squeeze Blinebry. Deepen,
run 4" liner 5786 - 6790'
Perf Drinkard, acidize,
frac.

10/7/76 - Re-perf Blinebry. Acidized
Commingle production.

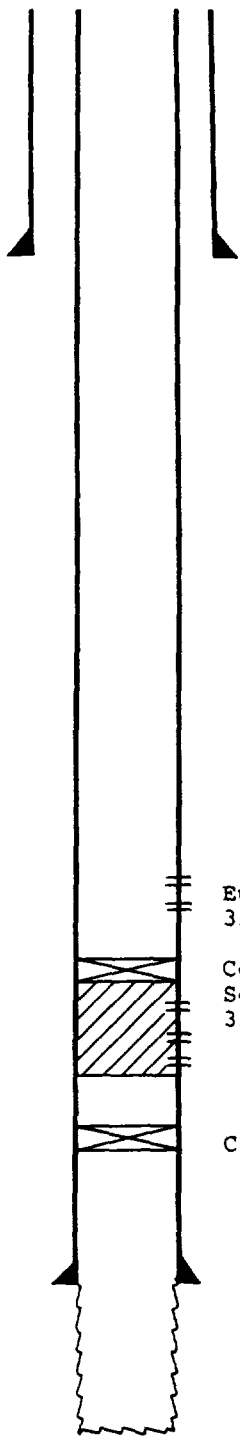
6/8/78 - Squeezed Blinebry perfs.

Present Prod. _____ BOPD _____ BWPD _____
_____ MCFPD _____ GOR _____
_____ Date _____

Remarks or Additional Data:
5 1/2" in 7 7/8" hole
4" liner in 4 3/4" hole

WELL DATA SHEET

LEASE Chevron H. Leonard (NCT-C) WELL NO. 8 FIELD Eumont Gas DATE 11/15/80
 LOCATION 1980 FEET FROM N LINE AND 660 FEET FROM E LINE
 SECTION 36 TOWNSHIP 21-S RANGE 36-E COUNTY Lea STATE NM



GE: 3480 '
 KDB to GE _____ '
 DF to GE 7 _____ '

9 5/8" OD 25.7 lbs.
Surf. Pipe set @
293 w/ 235 sx
cmt. Circ? Yes

Eumont Perfs
 3359'-3488'

Cement rtn. @ 3519'
 Squeezed Eumont Perfs
 3532'-3631'

CIBP @ 3675'

5 1/2" OD
Gr H
14 # Csg set @
3700' w/ 200 sx
Cmt. Circ? No
TOC @ 1487 by TS
Calc

Date Completed 8/27/44
 Initial Formation Grayburg
 FROM: 3700 TO: 3780
 Initial Production 40 BOPD 0 BWPD
 _____ MCFPD _____ GCR

Completion Data:
Shot w/100 qts. Acidized w/5000 gals

Subsequent Workover or Reconditioning:
8/23/52 - Installed rod pump.

2/20/58 - Fraced w/2000 gals oil &
20,000 #'s sand.

5/16/74 - Acidized w/750 gals 15%
HCL. Tested for csg leak
(none).

12/12/79 - Dump acid w/750 gals 15%.

6/13/80 - Abandoned Arrowhead. Set
CIBP @ 3675. Cap w/35'
cmt.

10/7/80 - Perf Eumont 3532-3631.
Acidize w/4200 gals 15%
HCL.

10/30/80 - Squeeze 3532-3631 w/150
sxs. Perf 3359-3488.
Acidize w/3500 gals.

12/12/80 - Acidize w/1250 gals 15%.

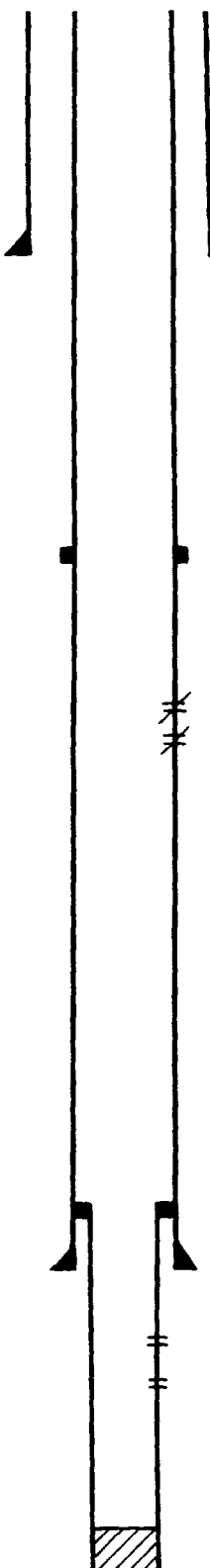
Present Prod. _____ BOPD _____ BWPD
 _____ MCFPD _____ GCR
 _____ Date

Remarks or Additional Data:
5 1/2" in 6 3/4" hole
4 3/4" OH

PBD 3519 '
 TD 3780 '

WELL DATA SHEET

LEASE Chevron H. Leonard (NCT-C) WELL NO. 14 FIELD Drinkard DATE 11/16/88
 LOCATION 1830 FEET FROM N LINE AND 710 FEET FROM E LINE
 SECTION 36 TOWNSHIP 21-S RANGE 36-E COUNTY Lea STATE NM



GE: 3485 '
 KDB to GE 11 '
 DF to GE _____'

8 5/8" OD 24 lbs.
 Surf. Pipe set @
1236 w/ 400 sx
 cmt. Circ? Yes

DV Tool @ 3897'

Squeezed Blinebry Perfs
 5494'-5700'

5 1/2 " OD
 Gr K-55
15.5# Csg set @
5991 ' w/ 390 sx
 Cmt. Circ? No
 TOC @ 2225 by TS

4" 11.6# liner from
 5781-6754' w/ 68 sxs.

Drinkard Perfs
 6502-6677

PBD 6715 '
 TD 6755 '

Date Completed 2/29/72
 Initial Formation Blinebry
 FROM: 5494 TO: 5700
 Initial Production 126 BOPD 423 BWPD
 nm MCFPD nm GOR

Completion Data:
 Perf and frac Blinebry 5494' - 5700'

Subsequent Workover or Reconditioning:
9/18/75 - Deepen, run 4" liner 5781-
6754'. Perf Drinkard 6502-
6677. Acidized and Fraced.

8/28/78 - Plugged Blinebry perfs.

Present Prod. _____ BOPD _____ BWPD
 _____ MCFPD _____ GOR
 _____ Date

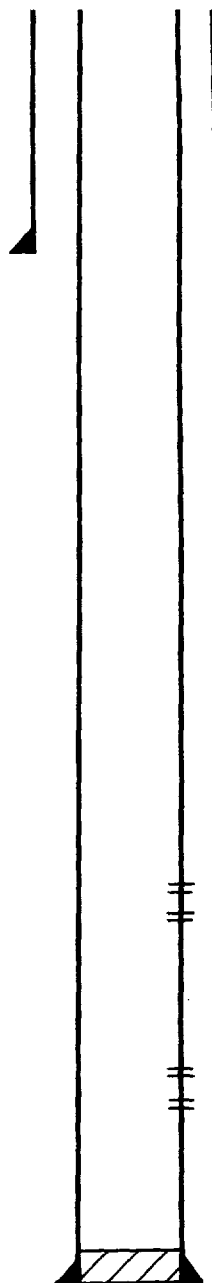
Remarks or Additional Data:
5 1/2" casing in 7 7/8" hole

WELL DATA SHEET

LEASE Markham State "36" WELL NO. 1 FIELD Blinebry/Drinkard DATE 11/17/88

LOCATION 1980 FEET FROM S LINE AND 660 FEET FROM E LINE

SECTION 36 TOWNSHIP 21-S RANGE 36-E COUNTY Lea STATE NM



GE: 3482 '
KDB to GE 12 '
DF to GE _____'

8 5/8" OD 24 lbs.
Surf. Pipe set @
1190 w/ 500 sx
cmt. Circ? yes

Blinebry Perfs
5494'-5828'

Drinkard Perfs
6525'-6586'

5 1/2 " OD
Gr _____
17 # Csg set @
6826 ' w/ 950 sx
Cmt. Circ? No
TOC @ 2500 by TS

Date Completed 10/11/75
Initial Formation Drinkard
FROM: 6525 TO: 6586
Initial Production 158 BOPD 32 BWPD
nm MCFPD nm GOR

Completion Data:
Perf Drinkard. Acidized & fraced.

Subsequent Workover or Reconditioning:

7/28/83 - Set RBP @ 5877. Perf
Blinebry 5494 - 5828'.
Acidized and fraced.

9/14/83 - Retrieved RBP and down-
hole commingle Blinebry &
Drinkard.

Present Prod. _____ BOPD _____ BWPD
_____ MCFPD _____ GOR
_____ Date

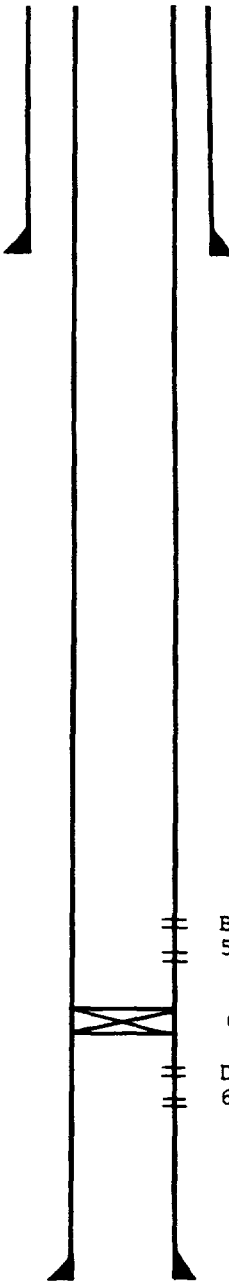
Remarks or Additional Data:
5 1/2" casing in 7 7/8" hole

PBD 6783 '

TD 6831 '

WELL DATA SHEET

LEASE Hanson Shell State WELL NO. 2 FIELD Blinebry DATE 11/17/88
LOCATION 1980 FEET FROM S LINE AND 1650 FEET FROM E LINE
SECTION 36 TOWNSHIP 21-S RANGE 36-E COUNTY Lea STATE NM



GE: 3497 '
KDB to GE _____ '
DF to GE _____ '

8 5/8" OD 24 lbs.
Surf. Pipe set @
1160 w/ 550 sx
cmt. Circ? Yes

Blinebry Perfs
5514'-5738'

CIBP @ 6025'

Drinkard Perfs
6556'-6600'

5 1/2 " OD
Gr K-55
15.5# Csg set @
6885 ' w/ 1100 sx
Cmt. Circ? No
TOC @ 2400 by TS

Date Completed 2/12/75
Initial Formation Blinebry/Drinkard
FROM: 5514/6556 TO: 5738/6600
Initial Production 130/156 BOPD 27/30 BW
30/40 MCFPD 230/256 G

Completion Data:
Perf Drinkard 6556 - 6600'. Acidize
& frac. Perf Blinebry 5514 - 5738.
Acidize & frac. Dual complete.

Subsequent Workover or Reconditioning:

2/80 - Down-hole Comingle

12/84 - TA Drinkard w/CIBP @ 6025'
Acidize Blinebry w/3000 gals.

Present Prod. _____ BOPD _____ BWPD _____
_____ MCFPD _____ GOR _____
_____ Date _____

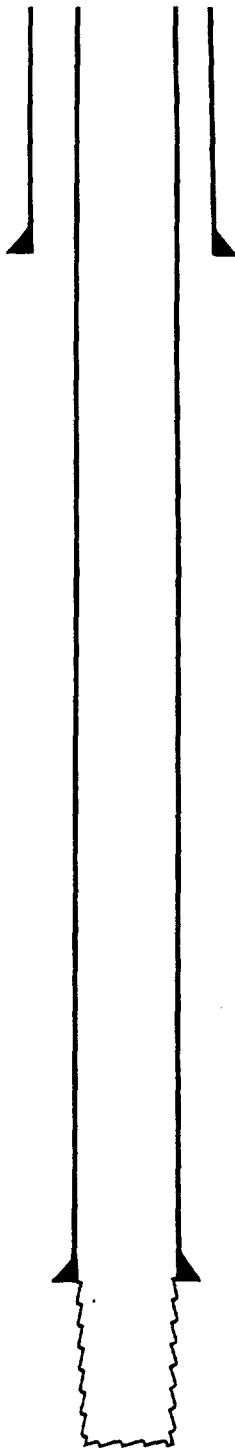
Remarks or Additional Data:
5 1/2" casing in 7 7/8" hole

PBD 6025 '
TD 6885 '

WELL DATA SHEET

AGU 132 LI

LEASE Chevron H. Leonard (NCT-C) WELL NO. 2 FIELD Arrowhead DATE 11/15/88
LOCATION 1980 FEET FROM S LINE AND 1980 FEET FROM W LINE
SECTION 36 TOWNSHIP 21-S RANGE 36-E COUNTY Lea STATE NM



GE: 3521 '
KDB to GE 7 '
DF to GE _____'

9 5/8" OD 25.7 lbs.
Surf. Pipe set @
293 w/ 225 sx
cmt. Circ? Yes

Date Completed 3/21/40
Initial Formation Grayburg
FROM: 3719 TO: 3825
Initial Production 339 BOPD 0 BWPD
602 MCFPD 1778 GOR

Completion Data:
OH Completion

Subsequent Workover or Reconditioning:
4/13/45 - Ran production packer to
3750'. Acidized w/1000 gal
2/27/58 - Fraced w/14,070 gals oil &
& 14,070 #'s sand.
5/28/58 - Installed pumping equip-
ment.
1/15/79 - Scale treat.
3/9/88 - CO 25' fill to 3825', Oper-
hole perf 3723 - 3823 w/51
shots. CO from 3736 - 3825'.
Acidize w/2500 gals 15% HCL.
Change out pumping unit and
rods.

5 1/2 " OD
Gr H
14 # Csg set @
3719 ' w/ 350 sx
Cmt. Circ? No
TOC @ 1852 by TG
Calc

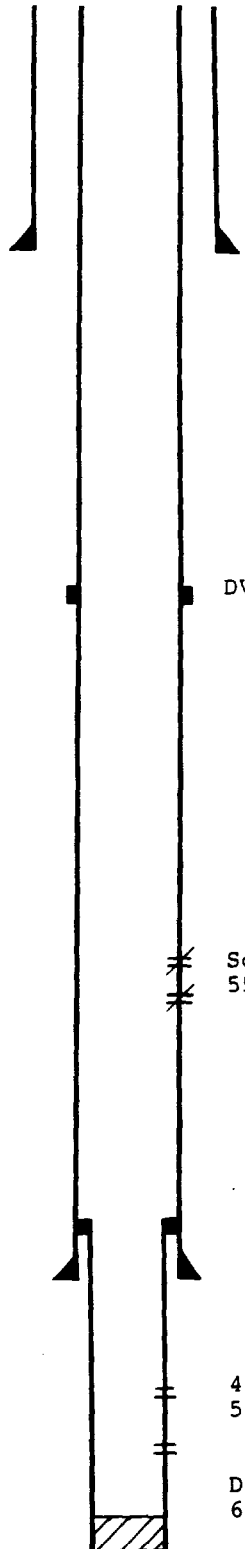
Present Prod. _____ BOPD _____ BWPD
_____ MCFPD _____ GOR
_____ Date

Remarks or Additional Data:
5 1/2" casing in 7 7/8" hole
4 3/4" OH

PBD _____ '
TD 3825 '

WELL DATA SHEET

LEASE Chevron H. Leonard (NCT-C) WELL NO. 16 FIELD Drinkard DATE 11/16/88
 LOCATION 1980 FEET FROM S LINE AND 2240 FEET FROM W LINE
 SECTION 36 TOWNSHIP 21-S RANGE 36-E COUNTY Lea STATE NM



GE: 3519 '
 KDB to GE 11.5 '
 DF to GE _____'

8 5/8" OD 24 lbs.
 Surf. Pipe set @
1220 w/ 350 sx
 cmt. Circ? Yes

DV Tool @ 3899'

Squeezed Blinebry Perfs
 5576-5802

5 1/2" OD
 Gr K-55
14 # Csg set @
5900 ' w/ 635 sx
 Cmt. Circ? No
 TOC @ 1800 by TS

4" 11.3# liner from
 5826-6815' w/ 115 sxs.

Drinkard Perfs
 6598-6741'

Date Completed 6/28/72
 Initial Formation Blinebry
 FROM: 5576 TO: 5802
 Initial Production 45 BOPD 133 BWPD
 _____ MCFPD _____ GOR

Completion Data:
Perf Blinebry 5576 - 5802. Acidize
and fracture treat.

Subsequent Workover or Reconditioning:
6/21/74 - Dump acid w/750 gals 15%.

5/25/76 - Deepen to 6815'. Set 4"
liner from 5826 - 6815.
Perf Drinkard 6598 - 6741'
Acidized and fractured
Drinkard perfs. Produced
Drinkard from below pkr.

4/7/79 - Acidized Drinkard w/500 gal
15%.

7/26/79 - Squeezed Blinebry perfs.

9/22/82 - Dump acid w/250 gals.

4/28/83 - Dump acid w/250 gals 15%
HCL.

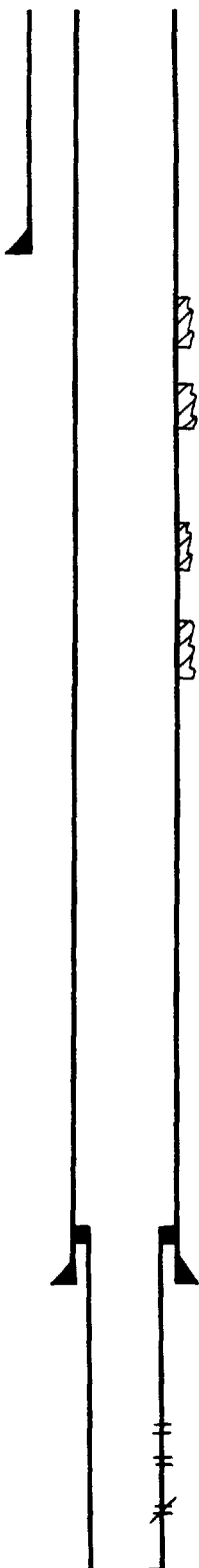
Present Prod. _____ BOPD _____ BWPD
 _____ MCFPD _____ GOR
 _____ Date

Remarks or Additional Data:
5 1/2" casing in 7 7/8" hole
4" liner in 4 3/4" hole

PBD 6773 '
 TD 6815 '

WELL DATA SHEET

LEASE OXY State "M" WELL NO. 2 FIELD Arrowhead DATE 11/17/88
 LOCATION 1980 FEET FROM S LINE AND 660 FEET FROM W LINE
 SECTION 36 TOWNSHIP 21-S RANGE 36-E COUNTY Lea STATE NM



GE: 3555
 KDB to GE _____
 DF to GE _____

8 5/8" OD _____ lbs.
 Surf. Pipe set @
329 w/ 225 sx
 cmt. Circ? N/A
 Toc @ surf by Calc

Repaired casing leak
 @ 345'-510'

Repaired casing leak
 503'-688'

Repaired casing leak
 @ 1670'-1701'

Repaired casing leak
 2619'-2650'

5 1/2 " OD
 Gr _____
 # Csg set @
3700 ' w/ 200 sx
 Cmt. Circ? No
 TOC @ 1892 by DB
Calc

4" liner 3676'-3832'
 Grayburg Perfs
 3790'-3800'
 Squeezed Grayburg Perfs
 3805'-3831'

Date Completed 5/10/40
 Initial Formation Grayburg
 FROM: 3700 TO: 3850
 Initial Production 592 BOPD _____ BWPD _____
2750 MCFPD 3100 GOR

Completion Data:
 OH Completion _____

Subsequent Workover or Reconditioning:

6/4/54 - Cleaned out to 3850. Set
 pkr at 3797'. Tested 100%
 water. PB to 3832'. Set pkr
 at 3785'. Acidized w/500
 gals.

2/14/57 - Cleaned out to 3832. PB to
 3790 w/Calseal squeeze w/
 100 sxs. Drilled out to
 3832'. Ran 4" liner 3676-
 3832 w/20 sxs. Perforate
 3805-3831'. Acidized w/
 1500 gals.

8/29/69 - SI.

12/18/69 - Repair casing leak 345 -
 510' w/350 sxs. Squeezed
 perfs 3805 - 3831 w/100
 sxs. Perf 3808 - 12'.
 Acidized w/450 gals 15%.
 Squeezed 3808'-12' w/ 60
 sxs. Perf 3790'-3800'.
 Acidized w/1000 gals 15%.

8/4/81 Perf 3730, 3735, 3742,
 3755, 3765, 3771, 3778,
 3785. Acidized all perfs
 w/ 1000 gals. 15% HCL.

6/2/87 -Repaired casing leak at
 503 - 688' w/250 sxs. Re-
 paired leaks at 1670-1701'
 w/1500 gals flockeck & 300
 sxs cement. Squeezed leak
 at 2619 - 2650 w/150 sxs.
 Acidized perfs 3730-3800'
 w/1000 gals 15% HCL.

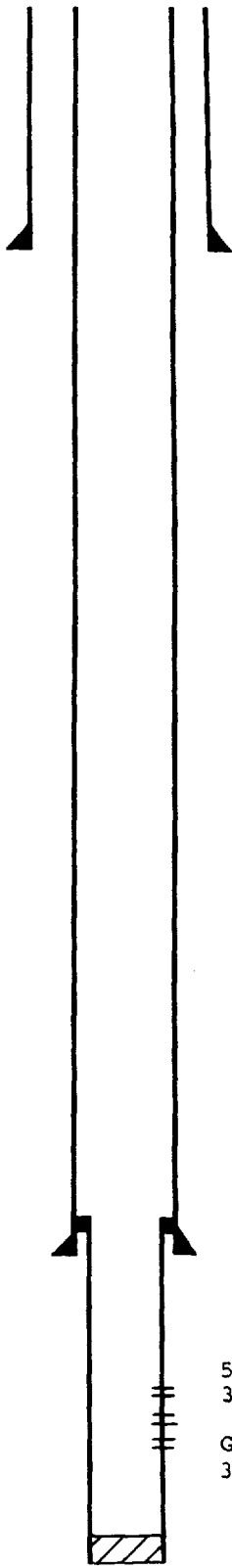
Present Prod. _____ BOPD _____ BWPD _____
 _____ MCFPD _____ GOR _____
 _____ Date _____

Remarks or Additional Data:
5 1/2" casing in 7" hole
9 5/8" in 11" hole

PBD 3832 '
 TD 3850 '

WELL DATA SHEET

LEASE OXY State "M" WELL NO. 1 FIELD Arrowhead DATE 11/17/88
LOCATION 660 FEET FROM S LINE AND 660 FEET FROM W LINE
SECTION 36 TOWNSHIP 21-S RANGE 36-E COUNTY Lea STATE NM



GE: 3544 '
KDB to GE _____ '
DF to GE _____ '

9 5/8" OD _____ lbs.
Surf. Pipe set @
1230 w/ 500 sx
cmt. Circ? N/A
Toc surf by Calc

7 " OD
Gr _____
24 # Csg set @
3714 ' w/ 175 sx
Cmt. Circ? No
TOC @ 2554 by DB
Calc

5" liner set from
3662'-3836' w/ 25 sxs
Grayburg Perfs
3782'-3816'

PBD 3836 '
TD 3840 '

Date Completed 1/22/39
Initial Formation Grayburg
FROM: 3714 TO: 3840
Initial Production 454 BOPD 0 BWPD
nm MCFPD nm GOR

Completion Data:
OH Completion

Subsequent Workover or Reconditioning:
8/22/44 - Acidized w/2000 gals 15%.

8/14/46 - Set OH pkr at 3775'.
Acidized w/2000 gals 15%.

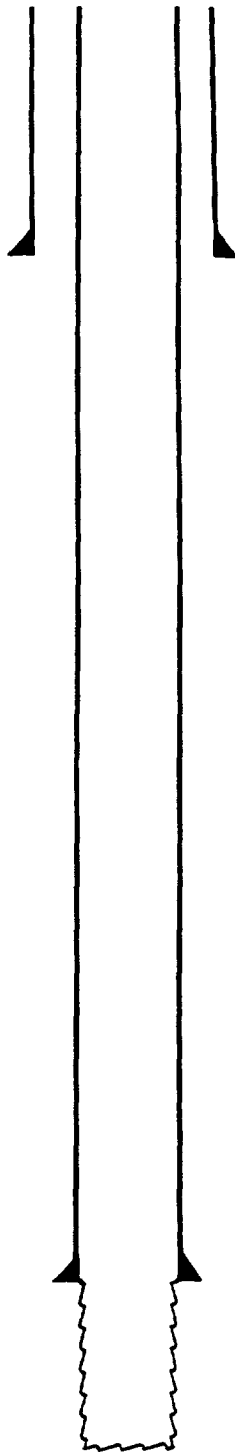
12/29/57 - Plugged OH back to 3803
w/Calseal. OH squeeze w/
100 sxs. Drilled out to
3836'. Ran 5" liner from
3662 - 3836'. Perf liner
3782'-3816'. Acidized w/
10,000 gals.

Present Prod. _____ BOPD _____ BWPD
_____ MCFPD _____ GOR
_____ Date

Remarks or Additional Data:
7" casing in 8 5/8" hole.
9 5/8" casing assumed in 11 3/4" hole.

WELL DATA SHEET

LEASE Chevron H. Leonard (NCT-C) WELL NO. 1 FIELD Arrowhead DATE 11/15/88
LOCATION 660 FEET FROM S LINE AND 1980 FEET FROM W LINE
SECTION 36 TOWNSHIP 21-S RANGE 36-E COUNTY Lea STATE NM



GE: 3515 '
KDB to GE 8 '
DF to GE 7 '

10 3/4" OD _____ lbs.
Surf. Pipe set @
280 w/ 250 sx
cmt. Circ? Yes

Date Completed 4/7/39
Initial Formation Grayburg
FROM: 3700 TO: 3820
Initial Production 597 BOPD 0 BWPD
700 MCFPD 1173 GOR

Completion Data:
OH Completion

Subsequent Workover or Reconditioning:
5/16/45 - Set production pkr @ 3730'
7/21/46 - Acidized w/2000 gals.
7/17/58 - Fraced w/20,000 gals oil &
20,000 #'s sand.
12/13/74 - Clean out 23' of scale
and acidize w/500 gals.
15% HCL.
1/19/76 - Treated w/177 gals SP216
and 550 gals 15% HCL.
6/3/86 - Changed out rods and pump-
ing unit.
9/14/87 - Perf hole 3714-24', 3728-
38', 3746-51', 3756-61',
3770-80', 3788-91', and
3802-04'. Clean out to
3820. Dump acid w/3000 gal
15%. Lost two pads from 6"
casing scrapper in hole.

6" OD
Gr C-55
16 # Csg set @
3700 ' w/ 350 sx
Cmt. Circ? No
TOC @ 1421 by T5
calc

Present Prod. _____ BOPD _____ BWPD
_____ MCFPD _____ GOR
_____ Date

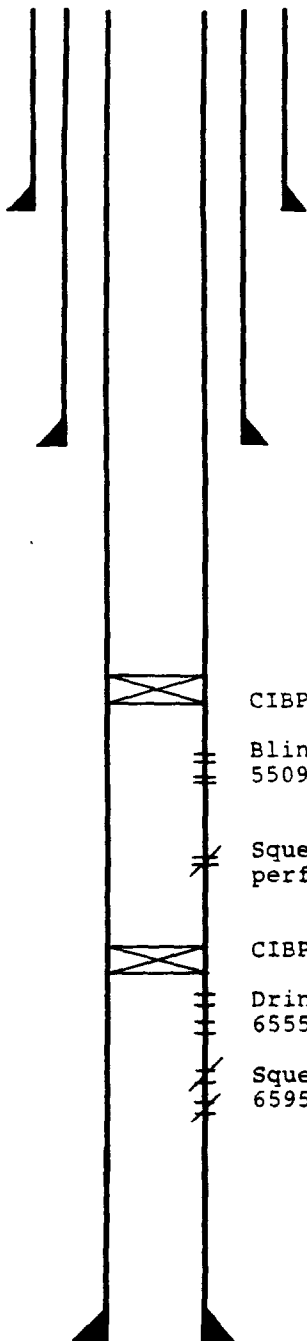
Remarks or Additional Data:
6" casing in 7 7/8" hole
5 3/8" open hole

Junk in hole. Two pads from 6" csg
scraper

PBD _____ '
TD 3820 '

WELL DATA SHEET

LEASE Chevron H. Leonard (NCT-C) WELL NO. 10 FIELD TA DATE 11/16/88
 LOCATION 760 FEET FROM S LINE AND 2080 FEET FROM W LINE
 SECTION 36 TOWNSHIP 21-S RANGE 36-E COUNTY Lea STATE NM



GE: 3518 '
 KDB to GE _____ '
 DF to GE _____ '

13 3/8" OD 48 lbs.
 Surf. Pipe set @
320 w/ 450 sx
 cmt. Circ? Yes

9 5/8" OD
 Gr J-55
36# Csg set at
3906 ' w/ 2950 sx
 Cmt. Circ? No
 TOC at 1340 ' by
 TS

CIBP @ 5480 '
 Blinebry Perfs
5509'-5761 '
 Squeeze cmt through
 perfs @ 5910'-5911 '
 CIBP @ 6480 '
 Drinkard Perfs
6555'-6594 '
 Squeezed Drinkard Perfs
6595'-6804 '

5 1/2" OD
 Gr J-55
14 & 15.5# Csg set @
6870 ' w/ 200 sx
 Cmt. Circ? No
 TOC @ 5950 by TS

cmt 5911 - 4985'.

Date Completed 6/19/57
 Initial Formation Drinkard
 FROM: 6555 TO: 6594
 Initial Production 84 BOPD 33 BWPD
206 MCFPPD 2452 GOR

Completion Data:
 Set cmt plugs 9800 - 9930 ', 9445 - 9600 ', 8300 - 8550 ', 7680 - 7900 ', 6870 - 6920 '. Perf Drinkard 6555 - 6804 '. Test, treated. Final Drinkard perfs 6555 - 6594 '. Acidized w/1000 gals 15%. Fraced w/15,000 gals oil & 15,000 #'s sand.

Subsequent Workover or Reconditioning:
5/17/72 - TA Drinkard. Set CIBP @ 6480 '. Perf 5910-11 to pump cmt. Pumped 300 sx cmt. TOC by TS @ 4985 '. Perf Blinebry 5509-5761 '. Broke perfs w/300 gals. Frac w/38,106 gal GBW & 50,000 #'s sand.

5/17/74 - Dump acid w/750 gals 15% HCL.

8/23/76 - Dump acid w/1000 gals 15% HCL.

7/14/83 - Set CIBP @ 5480 '.

Present Prod. _____ BOPD _____ BWPD
 _____ MCFPPD _____ GOR
 _____ Date _____

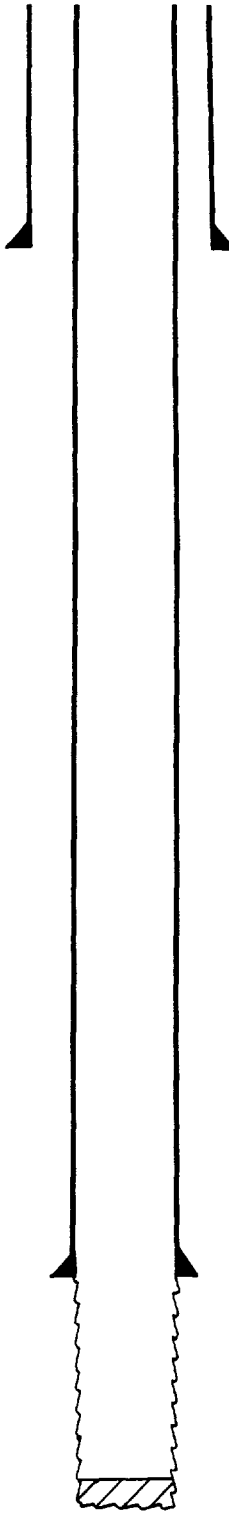
Remarks or Additional Data:
5 1/2" casing in 7 7/8" hole

PBD 5480 '
 TD 9930 '

WELL DATA SHEET

AGU 143 WI

LEASE Arco State "D" DE WELL NO. 1 FIELD Arrowhead DATE 11/18/88
LOCATION 330 FEET FROM S LINE AND 2310 FEET FROM E LINE
SECTION 36 TOWNSHIP 21-S RANGE 36-E COUNTY Lea STATE NM



GE: 3509 '
KDB to GE _____ '
DF to GE _____ '

8 5/8" OD 28 lbs.
Surf. Pipe set @
1161 w/ 650 sx
cmt. Circ? N/A
TOC @ surf by calc

Date Completed 5/39
Initial Formation Grayburg
FROM: 3711 TO: 3809
Initial Production 273 BOPD 0 BWPD
nm MCFPD nm GOR

Completion Data:
OH Completion

Subsequent Workover or Reconditioning:
5/41 - Acidized w/4000 gals.
9/41 - Set packer 3736-43 to shut-
off gas. Reset @ 3726'.
5/79 - Dump acid w/500 gals.
11/88 - String shot open hole,
cleaned out to 3800',
acidized w/ 5000 gals. 15%
HCL.

Present Prod. _____ BOPD _____ BWPD
_____ MCFPD _____ GOR
_____ Date

5 1/2" OD
Gr _____
17 # Csg set @
3711 ' w/ 75 sx
Cmt. Circ? No
TOC @ 2881 by TS
Calc

Remarks or Additional Data:
5 1/2" in 6 3/4" hole

PBD 3800 '
TD 3809 '

WELL DATA SHEET

LEASE Hanson Shell State WELL NO. 1 FIELD Blinebry DATE 11/17/88
LOCATION 660 FEET FROM S LINE AND 1650 FEET FROM E LINE
SECTION 36 TOWNSHIP 21-S RANGE 36-E COUNTY Lea STATE NM

Date Completed 1/9/75
Initial Formation Blinebry/Drinkard
FROM: 5514/6499 TO: 5841/6542
Initial Production 131/165 EOPD 10/15 BW:
80/200 MCFPD 610/
1212 GOR

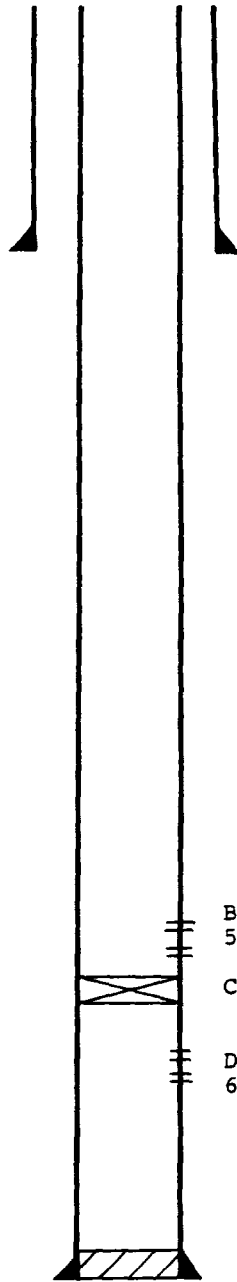
Completion Data:
Perf Drinkard 6499-6542. Acidize and
frac. Perf Blinebry 5514 - 5841.
Acidize & frac. Dual complete.

Subsequent Workover or Reconditioning:
2/4/80 - Downhole commingle.

12/11/80 - TA Drinkard w/CIBP @
6025'. Acidize Blinebry
w/3500 gals.

Present Prod. _____ BOPD _____ BOPD _____
_____ MCFPD _____ GOR _____
_____ Date _____

Remarks or Additional Data:
5 1/2" in 7 7/8" hole



GE: 3493 '
KDB to GE 9 '
DF to GE _____ '

8 5/8" OD 23 lbs.
Surf. Pipe set @
1160 w/ 450 sx
cmt. Circ? Yes

Blinebry Perfs
5514'-5841'

CIBP @ 6025'

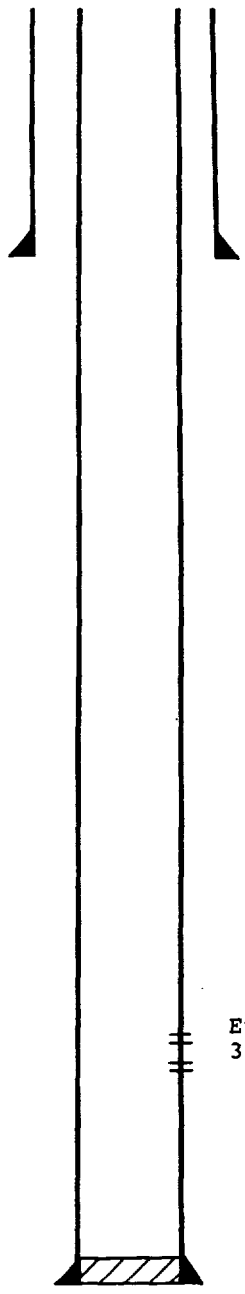
Drinkard Perfs
6499'-6542'

5 1/2 " OD
Gr _____
15.5# Csg set @
6853 ' w/ 450 sx
Cmt. Circ? No
TOC @ 3800 by TS

PBD 6025 '
TD 6855 '

WELL DATA SHEET

LEASE Meridian Shell State Com "D" WELL NO. 12 FIELD Eumont DATE 11/15/88
LOCATION 660 FEET FROM S LINE AND 1980 FEET FROM E LINE
SECTION 36 TOWNSHIP 21-S RANGE 36-E COUNTY Lea STATE NM



GE: 3500 '
KDB to GE 11 '
DF to GE _____'

8 5/8" OD 32 lbs.
Surf. Pipe set @
1133 w/ 400 sx
cmt. Circ? Yes

Eumont Perfs
3358'-3439'

5 1/2 " OD
Gr J-55
15.5# Csg set @
3564 ' w/ 650 sx
Cmt. Circ? No
TOC @ 98 by TB
Calc

Date Completed 11/13/55
Initial Formation Eumont
FROM: 3358 TO: 3439
Initial Production 0 BOPD 0 BWPD
42,500 MCFPD - GOR

Completion Data:
Perf Eumont 3358 - 3439'. Fraced.

Subsequent Workover or Reconditioning:

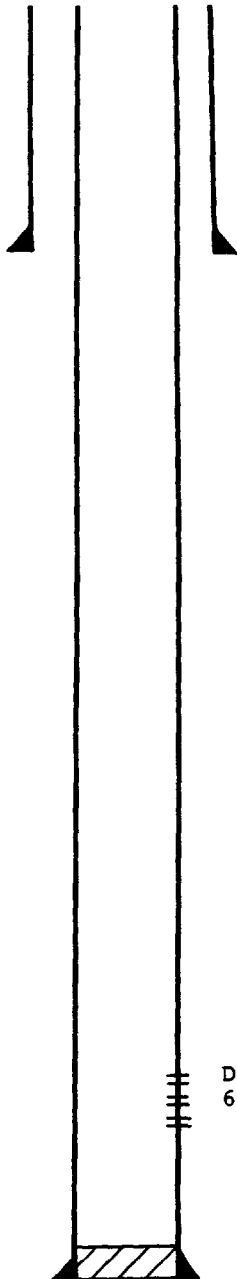
Present Prod. _____ BOPD _____ BWPD
_____ MCFPD _____ GOR
_____ Date

Remarks or Additional Data:
5 1/2" in 7 7/8" hole

PBD _____ '
TD 3564 '

WELL DATA SHEET

LEASE Markham State "36" WELL NO. 2 FIELD Drinkard DATE 11/17/88
LOCATION 660 FEET FROM S LINE AND 660 FEET FROM E LINE
SECTION 36 TOWNSHIP 21-S RANGE 36-E COUNTY Lea STATE NM



GE: 3478 '
KDB to GE 12 '
DF to GE _____'

8 5/8" OD 24 lbs.
Surf. Pipe set @
1195 w/ 400 sx
Cmt. Circ? Yes

Drinkard Perfs
6491'-6606'

5 1/2" OD
Gr K-55
15.5 & 17# Csg set @
6806 ' w/ 950 sx
Cmt. Circ? No
TOC @ 2500 by TS

Date Completed 10/20/75
Initial Formation Drinkard
FROM: 6491 TO: 6606
Initial Production 152 BOPD 20 BWPD
nm MCFPD nm GOR

Completion Data:
Perf Drinkard 6491 - 6606'. Acidized and fraced.

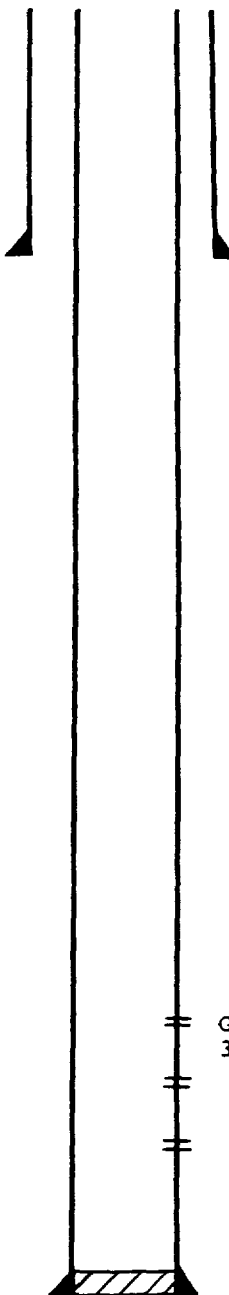
Subsequent Workover or Reconditioning:
11/9/87 - Ran 7 1/4" 3/4" between 8 5/8 & 5 1/2" casing. Pumped 250 sx cmt (circ). Acidized w/1000 gals.

Present Prod. _____ BOPD _____ BWPD
MCFPD _____ GOR
Date _____

Remarks or Additional Data:
5 1/2" casing in 7 7/8" hole

PBD 6758 '
TD 6815 '

LEASE Chevron H.T. Mattern (NCT-F) WELL NO. 2 FIELD Arrowhead DATE 11/22/80
LOCATION 660 FEET FROM N LINE AND 660 FEET FROM E LINE
SECTION 1 TOWNSHIP 22-S RANGE 36-E COUNTY Lea STATE NM



GE: 3476 '
KDB to GE 12.5 '
DF to GE _____'

8 5/8" OD 24 lbs.
Surf. Pipe set @
358 w/ 200 sx
cmt. Circ? Yes

Grayburg Perfs
3652'-3799'

5 1/2" OD
Gr K-55
15.5# Csg set @
3900 ' w/ 425 sx
Cmt. Circ? No
TOC @ 2153 by TS

Date Completed 2/14/72
Initial Formation Grayburg
FROM: 3652 TO: 3799
Initial Production 62 BOPD 8 BWPD
nm MCFPD nm GOR

Completion Data:
Perf 3652 - 54', 3704 - 06', 3734 - 36', 3797 - 99'. Acidized w/
500 gals. Fraced w/5000 gal
GBW w/1-3 #'s spg. Completed
pumping.

Subsequent Workover or Reconditioning:
8/12/80 - Dump acid w/1000 gals 15%.

Present Prod. _____ BOPD _____ BWPD
_____ MCFPD _____ GOR
_____ Date

Remarks or Additional Data:
5 1/2" casing in 7 7/8" hole

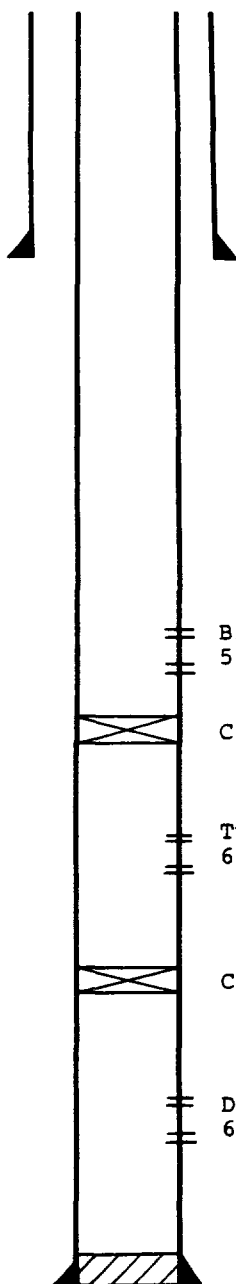
PBD 3860 '
TD 3900 '

WELL DATA SHEET

LEASE Chevron H.T. Mattern (NCT-F) WELL NO. 3 FIELD Blinebry DATE 11/22/88

LOCATION 800 FEET FROM N LINE AND 389 FEET FROM E LINE

SECTION 1 TOWNSHIP 22-S RANGE 36-E COUNTY Lea STATE NM



GE: 3474 '
KDB to GE 11.6 '
DF to GE _____'

9 5/8" OD 36 lbs.
Surf. Pipe set @
1159 w/ 470 sx
cmt. Circ? Yes

Blinebry Perfs
5491'-5731'

CIBP @ 6187'

Tubb Perfs
6209-6336'

CIBP @ 6418'

Drinkard Perfs
6500'-6719'

5 1/2" OD
Gr K-55
15.5 & 17# Csg set @
6849 ' w/ 910 sx
Cmt. Circ? No
TOC @ 2130 by TS

Date Completed 5/29/74
Initial Formation Drinkard
FROM: 6500 TO: 6719
Initial Production 215 BOPD 162 BWPD
nm MCFPD nm GOR

Completion Data:
Perf 6500 - 6719. Fraced.

Subsequent Workover or Reconditioning:
12/31/82 - Set CIBP @ 6418. Perf
Tubb 6209 - 6336'. Acid-
ized and fraced.

12/30/85 - Set CIBP @ 6187'. Perf
Blinebry 5491 - 5731'.
Acidize and fraced.

Present Prod. _____ BOPD _____ BWPD
_____ MCFPD _____ GOR
_____ Date

Remarks or Additional Data:
5 1/2" casing in 7 7/8" hole

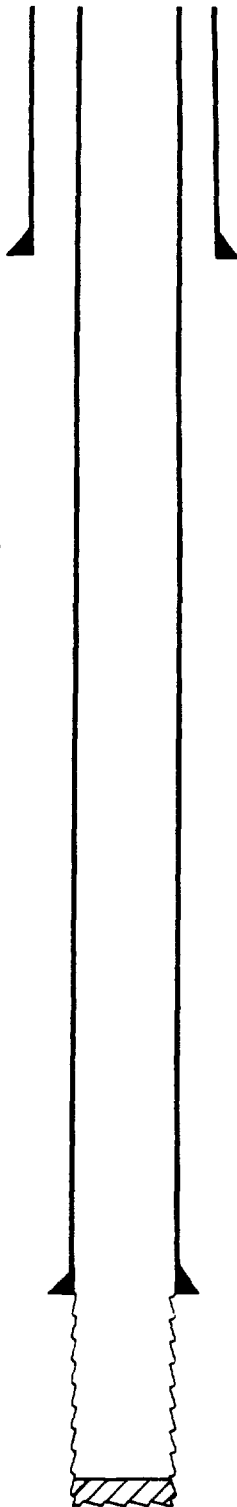
PBD 6814 '

TD 6850 '

LEASE Chevron H.T. Mattern (NCT-F) WELL NO. 1 FIELD Arrowhead DATE 11/22/88

LOCATION 660 FEET FROM N LINE AND 1980 FEET FROM E LINE

SECTION 1 TOWNSHIP 22-S RANGE 36-E COUNTY Lea STATE NM



GE: 3501 '
KDB to GE 12 '
DF to GE _____'

10 3/4" OD 32.75 lbs.
Surf. Pipe set @
293 w/ 275 sx
cmt. Circ? Yes

Date Completed 12/12/38
Initial Formation Grayburg
FROM: 3705 TO: 3805
Initial Production 70 BOPD 0 BWPD
176 MCFPD 2514 GOR

Completion Data:
Acidized w/7000 gals

Subsequent Workover or Reconditioning:

3/20/43 - Set production packer at 3751'.

4/9/56 - Plugged back to 3786 w/24 gals Hydromite. Fraced w/ 10,000 gals visco frac w/ 1# spg.

8/21/67 - Dump acid w/500 gals 15% HCL.

2/26/68 - Installed pumping unit.

Present Prod. _____ BOPD _____ BWPD
_____ MCFPD _____ GOR
_____ Date _____

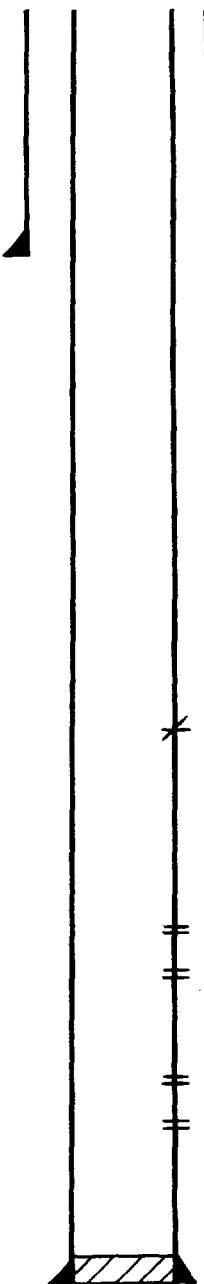
6 " OD
Gr C & D
16 # Csg set @
3705 ' w/ 400 sx
Cmt. Circ? No
TOC @ 2415 by TS

Remarks or Additional Data:
6" in 7 7/8" hole
5 3/8" open-hole

PBD 3786 '
TD 3805 '

WELL DATA SHEET

LEASE Chevron H.T. Mattern (NCT-F) WELL NO. 4 FIELD Blinebry/Drinkard DATE 11/22/88
 LOCATION 660 FEET FROM N LINE AND 1650 FEET FROM E LINE
 SECTION 1 TOWNSHIP 22-S RANGE 36-E COUNTY Lea STATE NM



GE: 3496 '
 KDB to GE 13.6 '
 DF to GE _____'

8 5/8" OD 24 lbs.
 Surf. Pipe set @
1139 w/ 440 sx
 cmt. Circ? Yes

Squeezed Perfs
 5452'

Blinebry Perfs
 5548'-5700'

Drinkard Perfs
 6512'-6684'

5 1/2" OD
 Gr K-55
15.5# Csg set @
6800 ' w/ 700 sx
 Cmt. Circ? No
 TOC @ 2346 by TS

Date Completed 7/25/75
 Initial Formation Drinkard
 FROM: 6512 TO: 6684
 Initial Production 51 BOPD 18 BWPD
 nm MCFPD nm GOR

Completion Data:
Perf Drinkard 6512 - 6684'. Acidized and fraced.

Subsequent Workover or Reconditioning:
7/21/76 - Perf Blinebry 5548 - 5700'
Acidized and fraced. Down hole commingled Blinebry and Drinkard.

10/13/76 - Perfed 5452 and squeezed w/25 sxs to shut-off water flow.

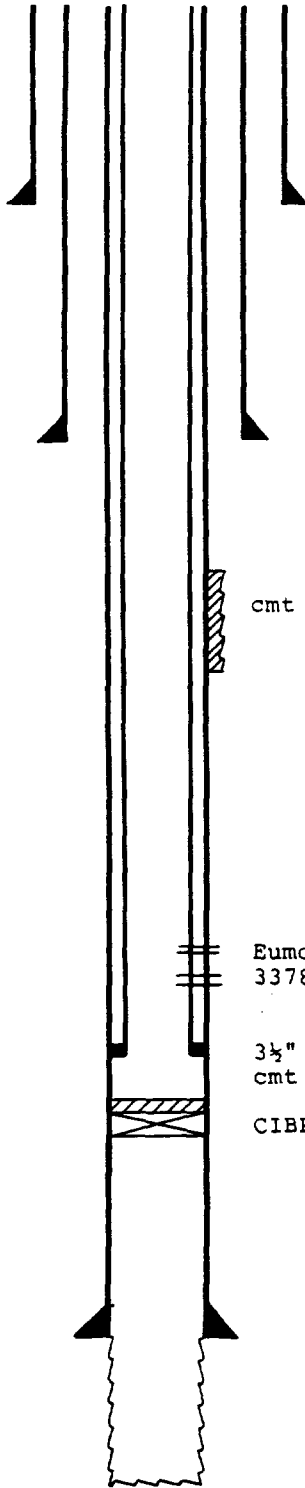
Present Prod. _____ BOPD _____ BWPD
 _____ MCFPD _____ GOR
 _____ Date

Remarks or Additional Data:
5 1/2" casing in 7 7/8" hole

PBD 6761 '
 TD 6800 '

WELL DATA SHEET

LEASE Marathon Saunders WELL NO. 1 FIELD Eumont Gas DATE 11/21/88
 LOCATION 660 FEET FROM N LINE AND 1980 FEET FROM W LINE
 SECTION 1 TOWNSHIP 22-S RANGE 36-E COUNTY Lea STATE NM



GE: 3527 '
 KDB to GE _____ '
 DF to GE 12 '

10 3/4" OD 40 lbs.
 Surf. Pipe set @
292 w/ 250 sx
 cmt. Circ? N/A
 TOC @ Surf by Calc

7 5/8" OD 26.4 #
 Csg set at
1196 ' w/ 400 sx
 Cmt. Circ? N/A
 TOC at Surf ' by
TS Calc

cmt circ. hole @ 2195'

Eumont Perfs
 3378'-3454'

3 1/2" csg. set @ 3628'
 cmt w/ 225 sxs circ.

CIBP @ 3640'

5 1/2" OD
 Gr _____
17 # Csg set @
3700 ' w/ 200 sx
 Cmt. Circ? _____
 TOC @ 1893 by TS
Calc

Date Completed 1/10/39
 Initial Formation Grayburg
 FROM: 3700 TO: 3830
 Initial Production 936 BOPD 0 BWPD
1200 MCFPD 1282 GOR

Completion Data:
OH Completion

Subsequent Workover or Reconditioning:
8/19/57 - Set BP @ 3640' w/1.5 sxs
cmt on top. Perf casing at
2195'. Ran rtn to 2053 to
circ cement. Circ cement
but could not hold pres-
sure at the squeeze perf.
Drilled out to 3630'. Ran
3 1/2" casing to 3628' and
cemented w/225 sxs. (circ)
Perf Eumont 3378 - 3405,
3416 - 3454'. Treated w/
10,500 gals & 10,000 #'s
sand.

Present Prod. _____ BOPD _____ BWPD
 _____ MCFPD _____ GOR
 _____ Date _____

Remarks or Additional Data:
5 1/2" in 7" hole

PBD 3630 '

TD 3830 '

WELL DATA SHEET

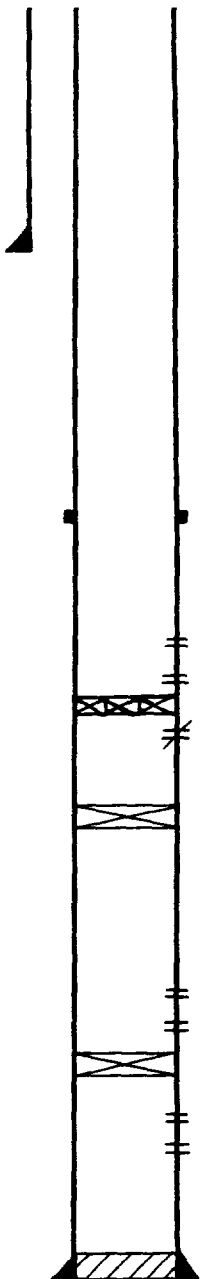
LEASE Marathon Saunders WELL NO. 3 FIELD Blinebry DATE 11/21/88
LOCATION 430 FEET FROM N LINE AND 2307 FEET FROM W LINE
SECTION 1 TOWNSHIP 22-S RANGE 36-E COUNTY Lea STATE NM

Date Completed 2/10/79
Initial Formation Drinkard
FROM: 6533 TO: 6621
Initial Production 201 BOPD 254 BWPD
361 MCFPD 1796 GOR

Completion Data:
Perf Drinkard. Acidize and frac.
CIBP @ 6675' with perfs 6683 - 92
below.

GE: 3514 '
KDB to GE 12 '
DF to GE _____'

9 5/8" OD 32 lbs.
Surf. Pipe set @
1391 w/ 700 sx
cmt. Circ? Yes



DV tool @ 3932'

Blinebry Perfs
5518'-5870'
Cmt Retainer @ 5960'
Squeeze Perf @ 5980'
w/ 50 sxs cmt.

CIBP @ 6160'

Drinkard Perfs
6533'-6621'

CIBP @ 6675'

Drinkard Perfs
6683'-6692'

7 " OD
Gr _____
Csg set @
6788 ' w/ 2200 sx
Cmt. Circ? _____
TOC @ 4100 by CBL
* first stage
second stage circ

Subsequent Workover or Reconditioning:
10/15/79 - Perf Blinebry 5763-5870'.
Acidized and fraced.
Perfed 5518 - 5721. Acid-
ized and fraced.

5/18/82 - Down hole commingled.

11/16/82 - Set CIBP @ 6160 w/2 sxs.

3/25/83 - Perf 5980 and squeezed 50
sxs cmt to shut off water
channel.

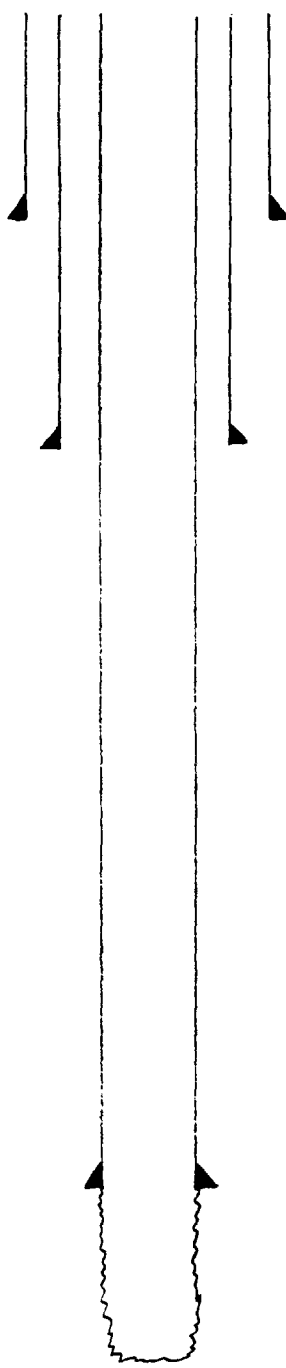
Present Prod. _____ EOPD _____ BWPD _____
_____ MCFPD _____ GOR _____
Date _____

Remarks or Additional Data:
7" in 8 3/4" hole

PBD 6160 '
TD 6800 '

WELL DATA SHEET

LEASE Marathon Saunders WELL NO. 2 FIELD Arrowhead DATE 1/29/91
LOCATION 660 FEET FROM N LINE AND 660 FEET FROM W LINE
SECTION 1 TOWNSHIP 22-S RANGE 36-E COUNTY Lea STATE NM



GE: 3553 '
KDB to GE _____ '
DF to GE _____ '

Date Completed 12/8/38
Initial Formation Grayburg
FROM: 3747 TO: 3850
Initial Production 912 BOPD _____ EWPD
1600 MCFPD 1754 GOR

Completion Data:
OH Completion

12 1/2 " OD _____ lbs.
Surf. Pipe set @ _____
125 ' w/ 100 sx
cmt. Circ? N/A
TOC @ Surf. by Calc. _____

9 5/8 " OD 36 lbs.
_____ Thd Gr _____
_____ Csg set at _____
1220 ' w/ 600 sx
Cmt. Circ? N/A
TOC at Surf. By _____
~~Calc.~~

Subsequent Workover or Reconditioning:
No reports.

Present Prod. _____ BOPD _____ BOPD _____
_____ MCFPD _____ GOR _____
Date _____

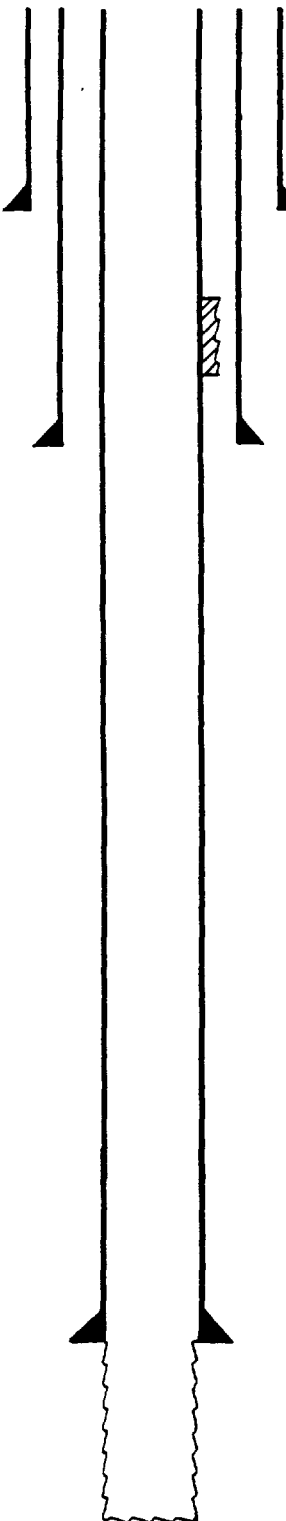
7 " OD _____
Gr _____
Csg set @ _____
3747 ' w/ 300 sx
Cmt. Circ? No
TOC @ 1903 by Calc. 7" casing in 8 3/4" hole

Remarks or Additional Data:

PBD _____ '
TD 3850 '

WELL DATA SHEET

LEASE Conoco Lockhart B-1 WELL NO. 1 FIELD Arrowhead DATE 11/21/88
LOCATION 1980 FEET FROM N LINE AND 660 FEET FROM W LINE
SECTION 1 TOWNSHIP 22-S RANGE 36-E COUNTY Lea STATE NM



GE: 3519 '
KDB to GE '
DF to GE 10 '

Date Completed 9/22/38
Initial Formation Grayburg
FROM: 3739 TO: 3825
Initial Production 1200 BOPD 0 BWPD
1120 MCFPD 933 GOR

Completion Data:
OH Completion

10 3/4" OD 30.51 #
Surf. Pipe set @
274 w/ 225 sx
cmt. Circ? N/A
TOC @ Surf by Calc
Squeezed casing
leaks @ 761' & 994'
w/ 150 sxs.
7 5/8" OD 26.4 #
Csg set at
1282' w/ 425 sx
Cmt. Circ? N/A
TOC at Surf ' by
DB Calc

Subsequent Workover or Reconditioning:
2/16/55 - Squeezed casing leaks @
761 & 994' w/150 sxs.

4/20/55 - Installed pumping unit.

12/30/80 - String shot 3769-3819'.
Acidized w/5460 gals 15%
HCL.

5/15/84 - Acidized w/500 gals 15%
HCL.

9/19/84 - Acidized w/500 gals 15%
HCL.

2/22/85 - Clean out to 3825'. String
shot 3770-3825. Acidized
w/3780 gals 15% HCL.

5/7/86 - Acidized w/1050 gals 6% HCL

8/27/86 - String shot 3750-3825.
Acidize w/3360 gals.

Present Prod. BOPD BWPD
 MCFPD GOR
 Date

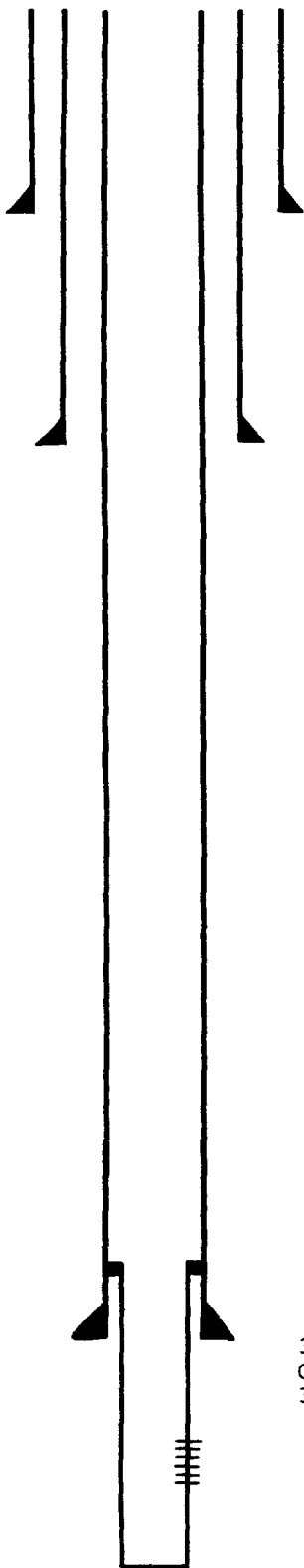
5 1/2" OD
Gr
14 #17# Csg set @
3739' w/ 425 sx
Cmt. Circ? N/A
TOC @ Surf by DB
Calc

Remarks or Additional Data:
10 3/4" in 13 3/4" hole
7 5/8" in 9 7/8" hole
5 1/2" in 6 3/4" hole

PBD '
TD 3825 '

WELL DATA SHEET

LEASE Conoco Lockhart B-1 WELL NO. 2 FIELD Arrowhead DATE 11/21/88
LOCATION 1980 FEET FROM N LINE AND 1980 FEET FROM W LINE
SECTION 1 TOWNSHIP 22-S RANGE 36-E COUNTY Lea STATE NM



GE: 3514 '
KDB to GE _____ '
DF to GE 10 '

Date Completed 11/11/38
Initial Formation Grayburg
FROM: 3731 TO: 3810
Initial Production 1800 BOPD 0 BWPD
1400 MCFPD 778 GOR

Completion Data:
OH Completion

10 3/4" OD 32.75 #
Surf. Pipe set @
267 w/ 225 sx
cmt. Circ? N/A
TOC @ surf by calc

7 5/8" OD 26.4 #
Csg set at
1217 ' w/ 425 sx
Cmt. Circ? N/A
TOC at surf ' by
calc

Subsequent Workover or Reconditioning:
1/9/50 - Acidize w/1000 gals.

2/1/61 - Deepened to 3860'. Set 3 1/2" liner 3678 - 3860'. Perf 3800 - 35'. Acidize w/6000 gals 15% HCL.

12/18/85 - Perf 3740 - 86'. Acidize w/1680 gals 15% HCL. Clean out to 3847'.

Present Prod. _____ BOPD _____ BWPD
_____ MCFPD _____ GOR
_____ Date

5 1/2" OD
Gr _____
17 # Csg set @
3731 ' w/ 425 sx
Cmt. Circ? No
TOC @ surf by calc

Remarks or Additional Data:

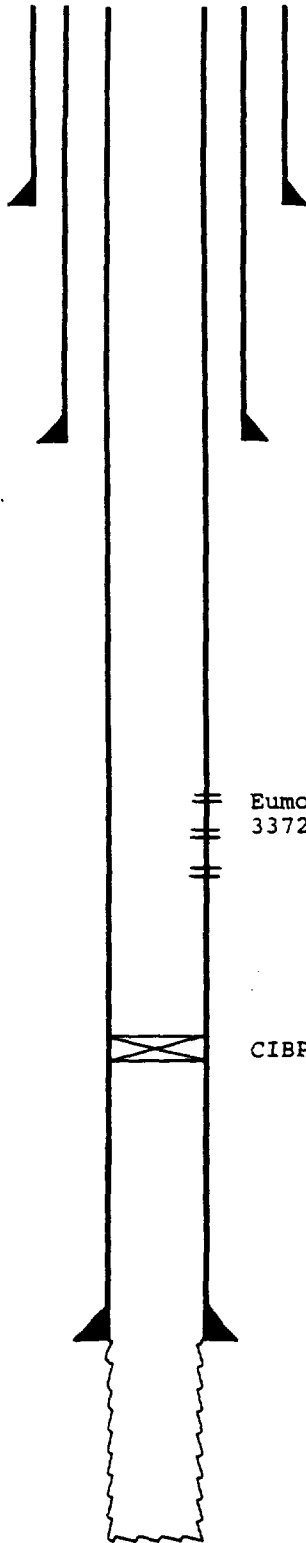
10 3/4" - 13 3/4" hole
7 5/8" - 9 7/8" hole
5 1/2" - 6 3/4" hole

3 1/2" liner 3678'-3860'
Grayburg Perfs
3740'-3835'

PBD _____ '
TD 3860 '

WELL DATA SHEET

LEASE Conoco Lockhart B-1 WELL NO. 4 FIELD Eumont Gas DATE 11/21/88
LOCATION 1980 FEET FROM N LINE AND 2310 FEET FROM E LINE
SECTION 1 TOWNSHIP 22-S RANGE 36-E COUNTY Lea STATE NM



GE: 3503 '
KDB to GE '
DF to GE 10 '

Date Completed 2/15/39
Initial Formation Grayburg
FROM: 3727 TO: 3800
Initial Production 1128 BOPD 0 BWPD
702 MCFPD 622 GOR

Completion Data:
Open-hole completion.

10 3/4" OD #
Surf. Pipe set @
257 w/ 200 sx
cmt. Circ? N/A
TOC @ surf by calc

7 5/8" OD 26.4 #
Csg set at
1163 ' w/ 425 sx
Cmt. Circ? N/A
TOC at Surf ' by
PS calc

Subsequent Workover or Reconditioning:
2/25/57 - Clean-out to 3800', Perf
Eumont 3494 - 3544', Frac.
Perf 3372 - 3461', Frac.
Dual complete.

7/9/74 - CO to 3800'. Set CIBP @
3655. T/A Grayburg.

Eumont Perfs
3372'-3544'

CIBP @ 3655'

Present Prod. _____ BOPD _____ BWPD
_____ MCFPD _____ GOR
_____ Date

5 1/2" OD
Gr _____
17 # Csg set @
3727 ' w/ 425 sx
Cmt. Circ? NO
TOC @ surf by PS
Calc

Remarks or Additional Data:

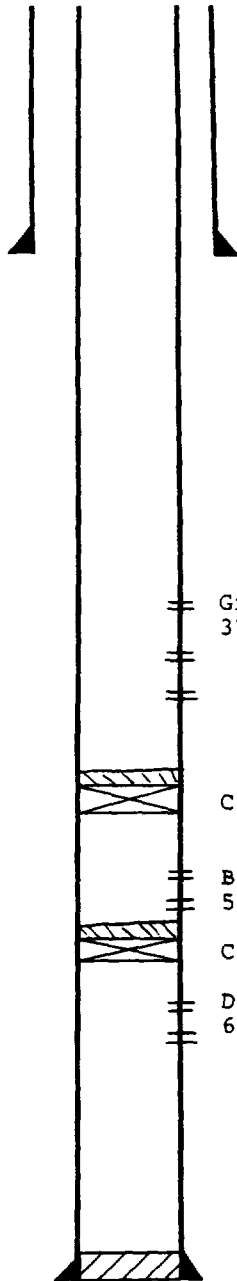
10 3/4" in 13 3/4" hole
7 5/8" in 9 7/8" hole
5 1/2" in 6 3/4" hole

PBD 3655 '
TD 3800 '

WELL DATA SHEET

AGU 160 W

LEASE Conoco Lockhart B-1 WELL NO. 7 FIELD Arrowhead DATE 11/21/88
LOCATION 1980 FEET FROM N LINE AND 1830 FEET FROM E LINE
SECTION 1 TOWNSHIP 22-S RANGE 36-E COUNTY Lea STATE NM



GE: 3496 '
KDB to GE '
DF to GE 10 '

9 5/8" OD 36 & 32 lbs
Surf. Pipe set @
1123 w/ 700 sx
cmt. Circ? Yes

Date Completed 11/11/72
Initial Formation Blinebry/Drinkard
FROM: 5567 TO: 6734
Initial Production 35 BOPD 680 BWPD
150 MCFPD 4286 GOR

Completion Data:
Perf and stimulate Drinkard and
Blinebry separately.

Subsequent Workover or Reconditioning:
1/28/88 - Recomplete to Grayburg.
Set CIBP's at 6510 & 5500
w/6 sxs cmt each. Perf
3802 - 20'. Acidize w/2000
gals. Perf 3745 - 78'.
Acidize w/2500 gals. Perf
3701 - 26'. Acidize w/2500
gals.

Grayburg Perfs
3701'-3820'

CIBP @ 5500' w/35' cmt

Blinebry Perfs
5567'-5744'

CIBP @ 6510' w/35' cmt

Drinkard perfs
6557'-6734'

7 " OD
Gr
23 & 26# Csg set @
6860 ' w/ 700 sx
Cmt. Circ? No
TOC @ 3100 by TS

Present Prod. BOPD BWPD
 MCFPD GOR
 Date

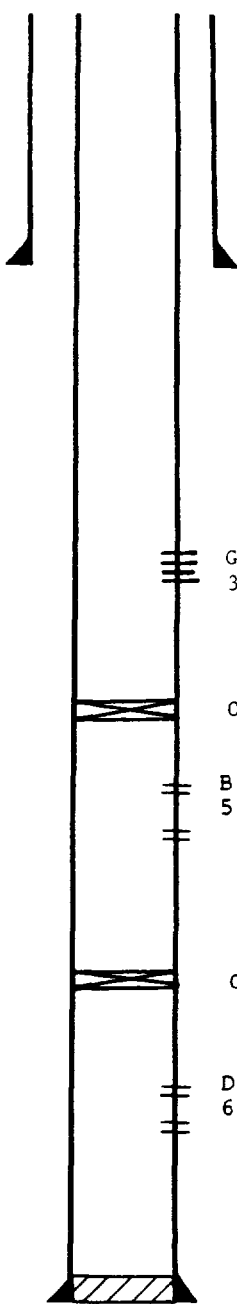
Remarks or Additional Data:
7" in 8 3/4" hole

PBD 5500 '
TD 6860 '

WELL DATA SHEET

260 10

LEASE Conoco Lockhart B-1 WELL NO. 8 FIELD Arrowhead DATE 11/21/88
 LOCATION 1980 FEET FROM N LINE AND 660 FEET FROM E LINE
 SECTION 1 TOWNSHIP 22-S RANGE 36-E COUNTY Lea STATE NM



GE: 3483 '
 KDB to GE _____ '
 DF to GE 11 _____ '

8 5/8" OD 20 lbs.
 Surf. Pipe set @
1150 w/ 600 sx
 cmt. Circ? Yes

Grayburg Perfs
 3706' - 3824'

CIBP @ 5500' w/4 sxs

Blinebry Perfs
 5538' - 5776'

CIBP @ 5500' w/4 sxs

Drinkard Perfs
 6504' - 6767'

5 1/2" OD
 Gr _____
14 # Csg set @
6860 ' w/ 550 sx
 Cmt. Circ? No
 TOC @ 3630 by TS

Date Completed 3/1/74
 Initial Formation Blinebry/Drinkard
 FROM: 5538 TO: 6767
 Initial Production 63 BOPD 222 BWPD
558 MCFPD 8857 GOR

Completion Data:
Perf Drinkard 6504 - 6767'. Acidize
& fraced. Perf Blinebry 5538 - 5776.
Acidize and fraced.

Subsequent Workover or Reconditioning:
2/17/88 - Shut-in.

10/88 - Testing Grayburg.
Set CIBP's @ 6485' &
5500' . Perf Grayburg
3706' - 3824'. Acidized
w/120 Bbls 15% NEA.

Present Prod. _____ BOPD _____ BWPD
 _____ MCFPD _____ GOR
 _____ Date

Remarks or Additional Data:

PBD _____ '
 TD 6860 _____ '

WELL DATA SHEET

LEASE Conoco Lockhart B-1 WELL NO. 9 FIELD Blinebry/Drinkard DATE 11/21/88
LOCATION 1980 FEET FROM S LINE AND 660 FEET FROM E LINE
SECTION 1 TOWNSHIP 22-S RANGE 36-E COUNTY Lea STATE NM

GE: 3471 '
KDB to GE '
DF to GE 9 '

Date Completed 7/1/74
Initial Formation Blinebry/Drinkard
FROM: 5551 TO: 6760
Initial Production 26 BOPD 64 BWPD
nm MCFPD nm GOR

Completion Data:
Perf Drinkard 6570 - 6760'. Acidize
& fraced. Perf Blinebry 5551 - 5830.
Acidized.

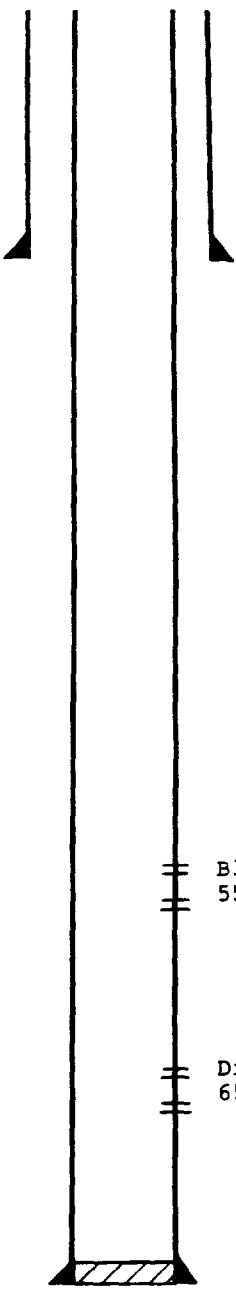
8 5/8" OD 20 lbs.
Surf. Pipe set @
1140 w/ 60 sx
cmt. Circ? Yes

Downhole commingled.

Subsequent Workover or Reconditioning:

2/75 Downhole Comingle

4/90 Repaired Wellhead



Blinebry Perfs
5551'-5830'

Drinkard Perfs
6570'-6760'

5 1/2 " OD
Gr
14 & 15.5# Csg set @
6900' w/ 550 sx
Cmt. Circ? No
TOC @ 4520 by TS

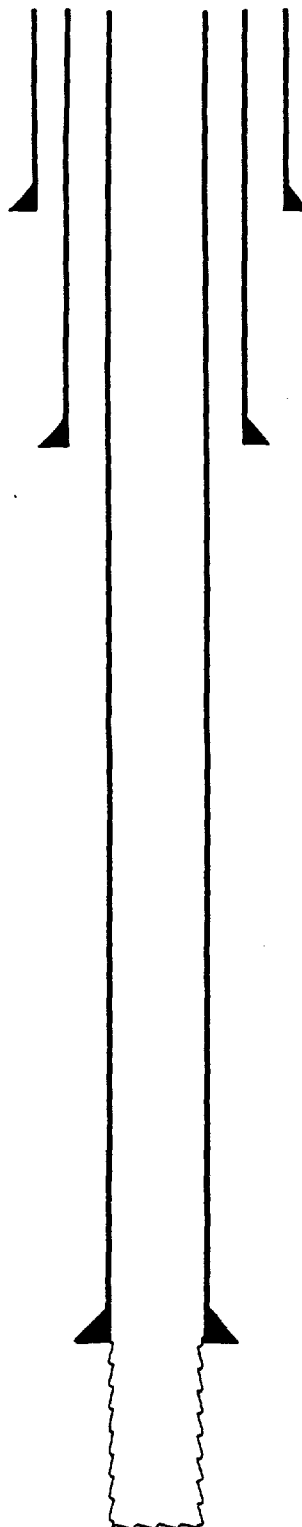
Present Prod. BOPD BWPD
 MCFPD GOR
 Date

Remarks or Additional Data:

PBD '
TD 6900 '

WELL DATA SHEET

LEASE Conoco Lockhart B-1 WELL NO. 3 FIELD Arrowhead DATE 11/21/88
LOCATION 1980 FEET FROM S LINE AND 1980 FEET FROM E LINE
SECTION 1 TOWNSHIP 22-S RANGE 36-E COUNTY Lea STATE NM



GE: 3492 '
KDB to GE '
DF to GE 10 '

Date Completed 1/2/39
Initial Formation Grayburg
FROM: 3682 TO: 3802
Initial Production 936 BOPD 0 BWPD
324 MCFPD 346 GOR

Completion Data:
Shot 3730 - 3802 w/180 qts SNG

10 3/4" OD 32.75 #
Surf. Pipe set @
275 w/ 225 sx
cmt. Circ? NIA
TOC @ surf by calc

7 5/8" OD 26.4 #
Csg set at
1151 ' w/ 425 sx
Cmt. Circ? NIA
TOC at surf ' by
calc

Subsequent Workover or Reconditioning:
1/6/50 - Acidized w/1000 gals.
4/14/55 - Installed pumping unit.
10/23/79 - Acidized w/500 gals
2/8/85 - CO to 3782'.
4/1/87 - Deepened to 3840'. Acidized
w/6300 gals 15%.

5 1/2" OD
Gr
17 # Csg set @
3682 ' w/ 425 sx
Cmt. Circ? No
TOC @ surf by calc

Present Prod. BOPD BWPD
 MCFPD GOR
 Date

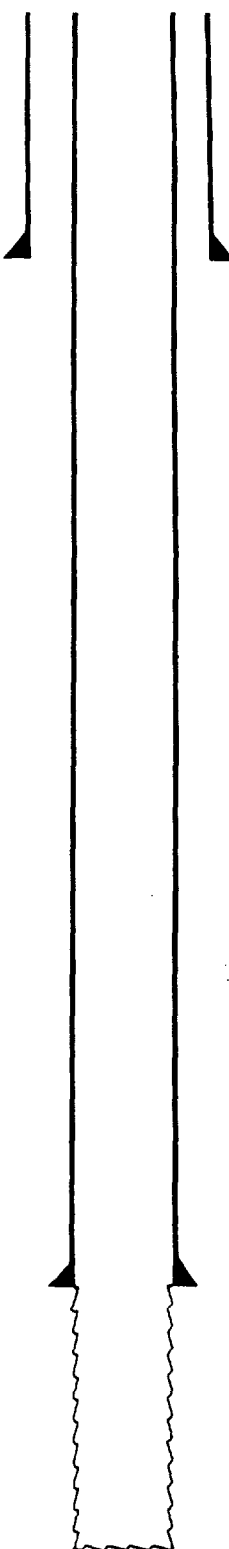
Remarks or Additional Data:
5/2 in 6 3/4" hole
7 1/2 in 9 7/8" hole
10 1/4 in 13 3/4" hole

PBD '
TD 3840 '

WELL DATA SHEET

AG 167 WT

LEASE Chevron H.T. Mattern (NCT-E) WELL NO. 2 FIELD Arrowhead DATE 11/22/88
LOCATION 1980 FEET FROM S LINE AND 1980 FEET FROM W LINE
SECTION 1 TOWNSHIP 22-S RANGE 36-E COUNTY Lea STATE NM



GE: 3501 '
KDB to GE 8 '
DF to GE 6.5 '

13 " OD _____ lbs.
Surf. Pipe set @
279 w/ 285 sx
cmt. Circ? Yes

6 " OD
Gr D
16 # Csg set @
3695 ' w/ 400 sx
Cmt. Circ? _____
TOC @ 1090 by TS
calc

Date Completed 9/10/38
Initial Formation Grayburg
FROM: 3695 TO: 3770
Initial Production 903 BOPD 0 BWPD
1582 MCFPD 1752 GOR

Completion Data:
OH Completion

Subsequent Workover or Reconditioning:
5/9/45 - Set packer at 3640' to shut
off water from suspected
casing leak.

2/22/51 - Installed gas lift and
acidized w/1000 gals.

11/27/52 - Installed rod pump.

Present Prod. _____ BOPD _____ BWPD
_____ MCFPD _____ GOR
_____ Date _____

Remarks or Additional Data:
6" casing in 7 7/8" OH

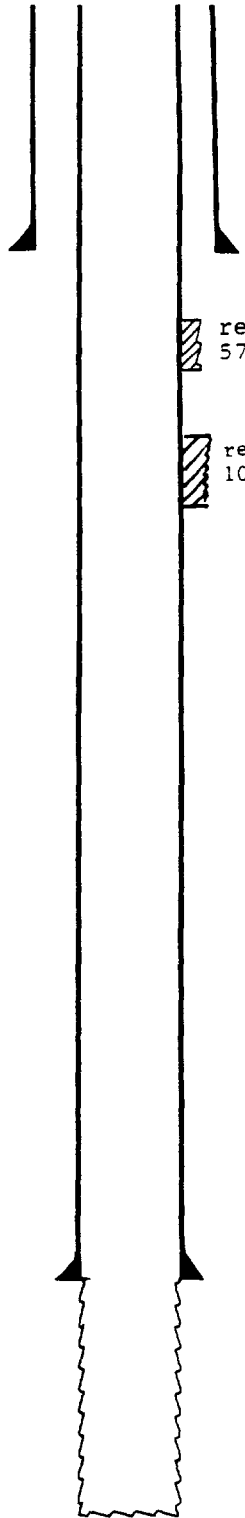
5 3/8" open-hole

Junk in hole: pump hold down

PBD _____ '
TD 3770 '

WELL DATA SHEET

LEASE Chevron H.T. Mattern (NCT-E) WELL NO. 1 FIELD Arrowhead DATE 11/22/8
LOCATION 1980 FEET FROM S LINE AND 660 FEET FROM W LINE
SECTION 1 TOWNSHIP 22-S RANGE 36-E COUNTY Lea STATE NM



GE: 3522 '
KDB to GE 6.5 '
DF to GE 5.0 '

13 " OD 40 lbs.
Surf. Pipe set @
290 w/ 225 sx
cmt. Circ? Yes

repaired casing leak
571'-601' cmt. to surf.

repaired casing leak
1010' to 1200' w/350 sxs

6 " OD
Gr D
16 # Csg set @
3725 ' w/ 400 sx
Cmt. Circ? No
TOC @ 1120 by TS
Calc

Date Completed 8/1/38
Initial Formation Grayburg
FROM: 3725 TO: 3790
Initial Production 1332 BOPD 0 BWPD
1300 MCFPD 976 GOR

Completion Data:
OH Completion

Subsequent Workover or Reconditioning:
12/10/49 - Installed gas lift system

9/28/50 - Dumped 150 gals acid down
back side.

11/26/52 - Installed rod pump.

3/29/88 - Repaired casing leak 571-
601' w/545 sxs cmt. Circ.
cmt. Perf OH 3720 - 3790.
Acidize w/2500 gals 15%
HCL

1/1/91 - Repaired Casing leak
1010' to 1200' w/350 sxs.

Present Prod. _____ BOPD _____ BWPD
_____ MCFPD _____ GOR
_____ Date

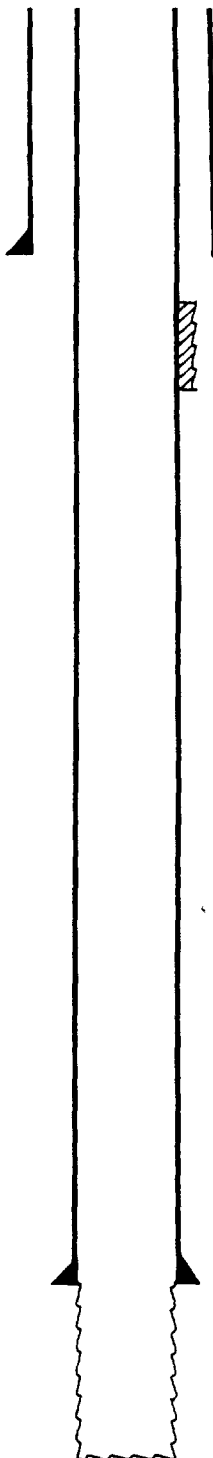
Remarks or Additional Data:
6" in 7 7/8" hole 11" hole to 1483'
5 3/8" open-hole

PBD _____

TD 3790 _____

WELL DATA SHEET

LEASE Chevron H.T. Mattern (NCT-E) WELL NO. 4 FIELD Arrowhead DATE 11/22/89
LOCATION 660 FEET FROM S LINE AND 660 FEET FROM W LINE
SECTION 1 TOWNSHIP 22-S RANGE 36-E COUNTY Lea STATE NM



GE: 3495 '
KDB to GE 6.5 '
DF to GE _____

10 3/4" OD 51 lbs.
Surf. Pipe set @
289 w/ 275 sx
cmt. Circ? Yes

repaired casing leak
339'-519'. cmt. from
1000' to surface

6 " OD
Gr _____
16 # Csg set @
3700 ' w/ 350 sx
Cmt. Circ? No
TOC @ 2475 by TS

Date Completed 5/4/39
Initial Formation Grayburg
FROM: 3700 TO: 3790
Initial Production 1272 BOPD 0 BWPD
961 MCFPD 756 GOR

Completion Data:
OH Completion

Subsequent Workover or Reconditioning:
6/23/49 - Installed gas lift.

1/30/51 - Unset packer.

12/9/52 - Replaced gas lift w/rod pump.

11/8/55 - Repaired casing leak 339-519' by perforating casing at 1000' and squeezing @ 1000' w/928 sxs. Cmt. circ.

Present Prod. _____ BOPD _____ BWPD
_____ MCFPD _____ GOR
_____ Date _____

Remarks or Additional Data:
6" casing in 7 7/8" hole
5 3/8" open-hole

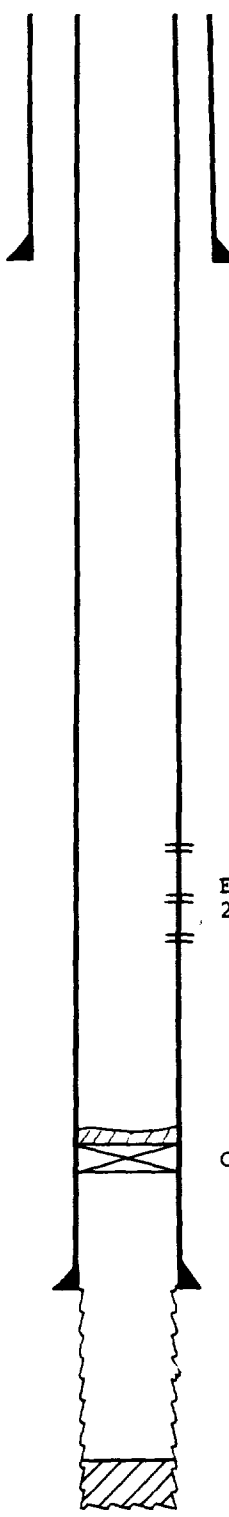
Cmt from 1000' to surface

PBD _____

TD 3790

WELL DATA SHEET

LEASE Chevron H.T. Mattern (NCT-E) WELL NO. 10 FIELD Eumont Gas DATE 11/22/8
LOCATION 660 FEET FROM S LINE AND 1980 FEET FROM W LINE
SECTION 1 TOWNSHIP 22-S RANGE 36-E COUNTY Lea STATE NM



GE: 3499 '
KDB to GE _____ '
DF to GE 5 _____ '

9 5/8" OD 25.7 lbs.
Surf. Pipe set @
290 w/ 200 sx
cmt. Circ? Yes

Date Completed 5/30/40
Initial Formation Grayburg
FROM: 3705 TO: 3790
Initial Production 1664 BOPD 0 BWPD
2110 MCFPD 1268 GOR

Completion Data:
OH Completion

Subsequent Workover or Reconditioning:
6/17/49 - Installed gas lift.

11/4/52 - Installed rod pump.

8/13/57 - PB to 3756 w/32 gals
Hydromite. Frac 3717 -
3756 w/5250 gals gelled
oil w/1# spg. PB to 3746
w/10 gals Hydromite. Frac
3717 - 3746 w/3800 gals
gelled oil w/1 # spg. Set
CIBP @ 3685' w/2 sxs cmt
on top. Tested casing
okay. Perf Eumont 2682-
3555. Acidized and fraced.

Eumont Perfs
2682'-3555'

CIBP @ 3685' w/20' cmt

5 1/2 " OD
Gr H
14 # Csg set @
3705 ' w/ 400 sx
Cmt. Circ? _____
TOC @ 1571 by TS
Calc

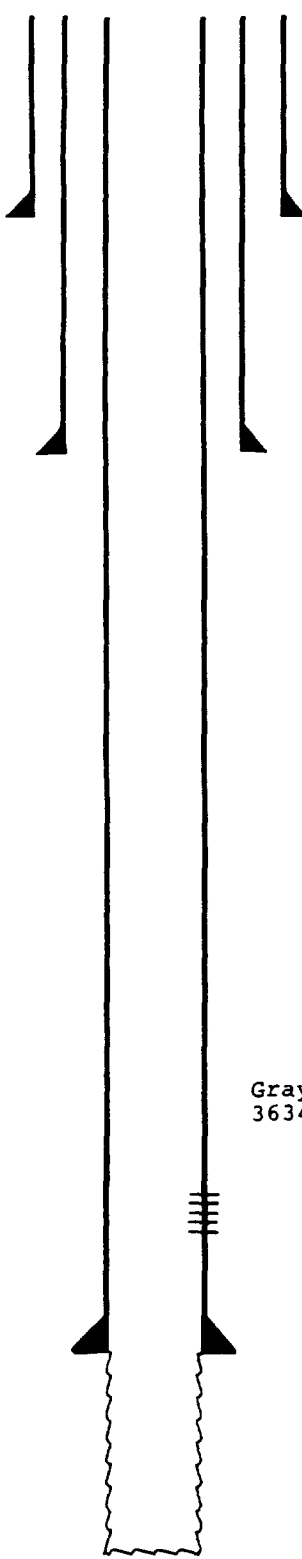
Present Prod. _____ BOPD _____ BWPD
_____ MCFPD _____ GOR
_____ Date

Remarks or Additional Data:
5 1/2" in 7 7/8" hole
4 3/4" OH

PBD 3685 '
TD 3790 '

WELL DATA SHEET

LEASE Conoco Lockhart B-1 WELL NO. 5 FIELD Arrowhead DATE 11/21/83
LOCATION 660 FEET FROM S LINE AND 1980 FEET FROM E LINE
SECTION 1 TOWNSHIP 22-S RANGE 36-E COUNTY Lea STATE NM



GE: 3479 '
KDB to GE '
DF to GE 10 '

10 3/4" OD 32.75 #
Surf. Pipe set @
269 w/ 225 sx
Cmt. Circ? N/A
TOC @ surf by Calc

7 5/8" OD 26.4 #
Csg set at
1131 ' w/ 425 sx
Cmt. Circ? N/A
TOC at surf by Calc

Grayburg Perfs
3634'-3690'

5 1/2" OD
Gr
17 # Csg set @
3694 ' w/ 425 sx
Cmt. Circ?
TOC @ surf by TS
Calc

Date Completed 6/5/40
Initial Formation Grayburg
FROM: 3640 TO: 3789
Initial Production 60 BOPD 0 BWPD
150 MCFPD 2500 GOR

Completion Data:
Acidized 3715 - 39' w/1000 gals.
Acidized 3695 - 3759' w/2500 gals.
Perf 3640 - 90'. Acidized w/500 gals

Subsequent Workover or Reconditioning:
4/4/50 - Acidize perfs w/1000 gals
20% HCL.
4/17/55 - Installed pumping unit.
2/17/60 - Perf 3634 - 84'. Frac
3634 - 3759 w/8000 gals
acid & 8000 #'s sand. CO
to 3759'.
7/14/79 - Acidize w/500 gals.
7/1/87 - CO to 3789. Acidize w/5460
gals.

Present Prod. BOPD BWPD
 MCFPD GOR
 Date

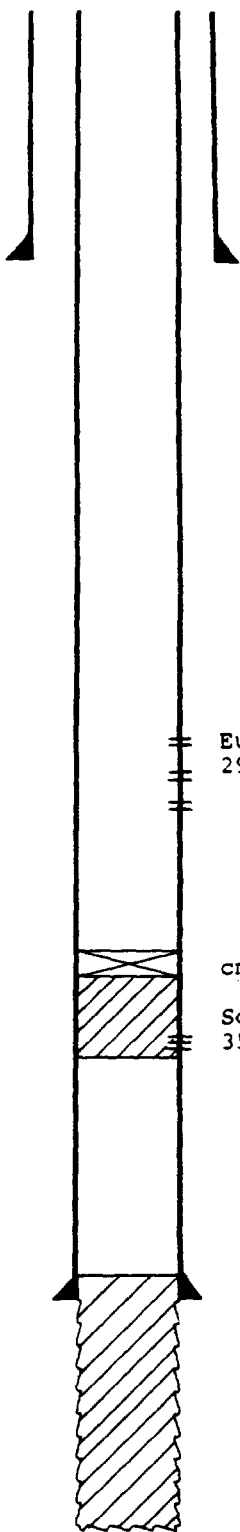
Remarks or Additional Data:
5 1/2 in 6 1/2" hole
7 5/8 in 8 3/4" hole
10 3/4 in 12 1/2" hole

PBD '

TD 3789 '

WELL DATA SHEET

LEASE Conoco Lockhart B-1 WELL NO. 6 FIELD Eumont Gas DATE 11/21/88
LOCATION 660 FEET FROM S LINE AND 660 FEET FROM E LINE
SECTION 1 TOWNSHIP 22-S RANGE 36-E COUNTY Lea STATE NM



GE: 3471 '
KDB to GE _____ '
DF to GE 10 _____ '

9 5/8" OD 32.3 lbs.
Surf. Pipe set @
1106 w/ 425 sx
cmt. Circ? N/A
Toc @ surf by calc

Date Completed 3/3/44
Initial Formation Eumont
FROM: 2910 TO: 3610
Initial Production 0 BOPD 0 BWPD
206 MCFPD _____ GOR

Completion Data:
Acidize 3675 - 3757 w/6000 gals. PB
to 3655 w/30 sxs. Perf 2910 - 3610'.

Subsequent Workover or Reconditioning:
11/30/70 - Set retainer at 3550' w/
50 sx cmt. Acidize 2910 -
3535 w/1500 gals.

Eumont Perfs
2910'-3535'

cmt rtn @ 3550'

Squeezed Eumont Perfs
3550'-3610'

7 " OD
Gr _____
20 # Csg set @
3666 ' w/ 425 sx
Cmt. Circ? No
TOC @ 1056 by DB
Calc

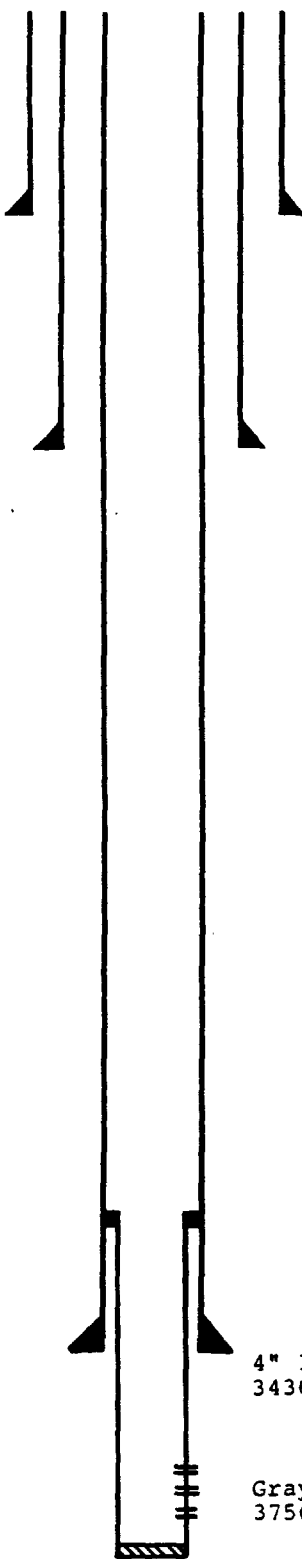
Present Prod. _____ BOPD _____ BWPD
_____ MCFPD _____ GOR
_____ Date _____

Remarks or Additional Data:
9 5/8" in 12 1/4" hole
7" in 9 3/4" hole

PBD 3550 '
TD 3757 '

WELL DATA SHEET

LEASE Conoco State J-2 WELL NO. 1 FIELD Arrowhead DATE 11/18/88.
LOCATION 660 FEET FROM N LINE AND 1980 FEET FROM E LINE
SECTION 2 TOWNSHIP 22-S RANGE 36-E COUNTY Lea STATE NM



GE: 3557 '
KDB to GE _____ '
DF to GE 10 '

Date Completed 5/4/38
Initial Formation Grayburg
FROM: 3497 TO: 3800
Initial Production 384 BOPD _____ BWPD _____
310 MCFPD 80 GOR

Completion Data:
OH Completion _____

10 3/4" OD 30.5 lbs
Surf. Pipe set @
263 w/ 225 sx
cmt. Circ? N/A
TOC @ surf by calc

7 5/8" OD 26.4
lbs. Csg. set at
1424 w/ 425 sx
Cmt. Circ? N/A
TOC at Surf by
TS calc

Subsequent Workover or Reconditioning:
10/25/40 - Deepened OH to 3847'.

7/10/52 - Acidized w/500 gals.

1/26/59 - Clean-out to 3835'. Set 4"
liner 3436-3835 w/40 sxs.
Perf 3804-10 & 3820-26'.
Acidize w/2000 gals 15%
HCL.

6/17/86 - Perf 3788 - 3826. Acidize
w/3780 gals 15% HCL.

12/3/87 - Acidize w/750 gals 15%
HCL.

9/26/88 - Perf 3756 - 60, 3768 - 82'
Acidized w/50 bbls 15% HCL

Present Prod. _____ BOPD _____ BWPD _____
_____ MCFPD _____ GOR
_____ Date _____

5 1/2" OD
Gr _____
17 # Csg set @
3497 w/ 425 sx
Cmt. Circ? _____
TOC @ Surf by TS
Calc

Remarks or Additional Data:

5 1/2" in 6 3/4 hole
4" liner in OH
7 5/8 in 9 7/8 hole
10 3/4 in 12" hole

4" 11.6# liner from
3436'-3835' w/ 40 sxs.

Grayburg Perfs
3756'-3826'

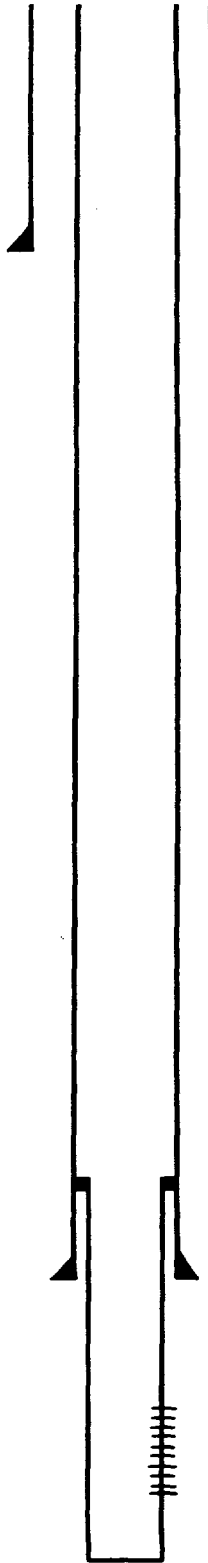
PBD _____

TD 3847

WELL DATA SHEET

460152 JI

LEASE Conoco State J-2 WELL NO. 11 FIELD Arrowhead DATE 11/21/88
LOCATION 660 FEET FROM N LINE AND 1980 FEET FROM W LINE
SECTION 2 TOWNSHIP 22-S RANGE 36-E COUNTY Lea STATE NM



GE: 3562
KDE to GE _____
DF to GE 10

10 3/4" OD 32.75 lbs.
Surf. Pipe set @
342 w/ 250 sx
cmt. Circ? N/A
TOC @ surface by Calc

Date Completed 11/13/40
Initial Formation Grayburg
FROM: 3715 TO: 3852
Initial Production 1584 BOPD 0 BWPD
900 MCFPD 568 GOR

Completion Data:
OH Completion

Subsequent Workover or Reconditioning:
5/25/47 - Acidized w/1000 gals.

8/1/54 - Deepened to 3915. Set 4"
liner 3682 - 3915 w/50 sx.
Perf 3885 - 3900'. Acidized
w/1500 gals.

7/20/83 - Acidized w/2000 gals.

11/11/83 - CO to 3915'.

12/12/84 - Acidized w/500 gals.

2/13/85 - CO to 3910'. Acidized w/
1260 gals.

2/27/86 - CO to 3909'. Perf 3850-85'
Acidized w/3780 gals.

Present Prod. _____ BOPD _____ BWPD
_____ MCFPD _____ GOR
Date _____

Remarks or Additional Data:
5 1/2" casing in 6 1/4" hole

5 1/2" OD
Gr _____
17 # Csg set @
3715' w/ 900 sx
Cmt. Circ? _____
TOC @ Surf by PS
Calc

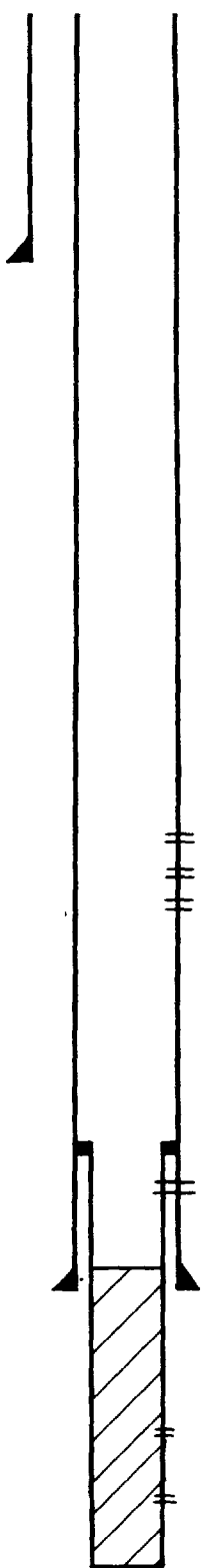
4" liner @ 3682'-3915'
w/ 50 sx

Grayburg Perfs
3850'-3900'

PBD 3909 '
TD 3915 '

WELL DATA SHEET

LEASE Conoco State J-2 WELL NO. 12 FIELD Eumont Gas DATE 11/21/88
LOCATION 660 FEET FROM N LINE AND 990 FEET FROM W LINE
SECTION 2 TOWNSHIP 22-S RANGE 36-E COUNTY Lea STATE NM



GE: 3560 '
KDB to GE 394 '
DF to GE 14 '

10 3/4" OD 32.75 lbs.
Surf. Pipe set @
394 w/ 250 sx
cmt. Circ? N/A
TOC @ Surf by calc

Eumont Perfs
3018'-3649'

5 1/2" OD
Gr
17 # Csg set @
3680 ' w/ 650 sx
Cmt. Circ? 18
TOC @ Surf by calc

4" liner 3450'-3850'
w/ 50 sx
Squeezed Grayburg Perfs
3791'-3820'

Date Completed 8/8/41
Initial Formation Grayburg
FROM: 3680 TO: 3850
Initial Production 42 BCPD 0 BWPD
248 MCFPD 5904 GOR

Completion Data:
OH Completion

Subsequent Workover or Reconditioning:
3/13/51 - Set 4" liner 3450 - 3850'
w/50 sx. Perf 3814-20,
3791 - 3806. Acidized w/
2500 gals.

10/18/60 - Acidized w/8000 gals.

10/1/69 - Acidized w/1000 gals.

12/22/69 - SI.

1/27/76 - Set rtn @ 3400' & cement
squeezed w/250 sx.
Drilled out to 3665'. Perf
3598 - 3649'. Acidized w/
900 gals. Fraced w/6500
gals & 10,000 #'s sand.
Perf 3018 - 3418'. Acidize
and frac.

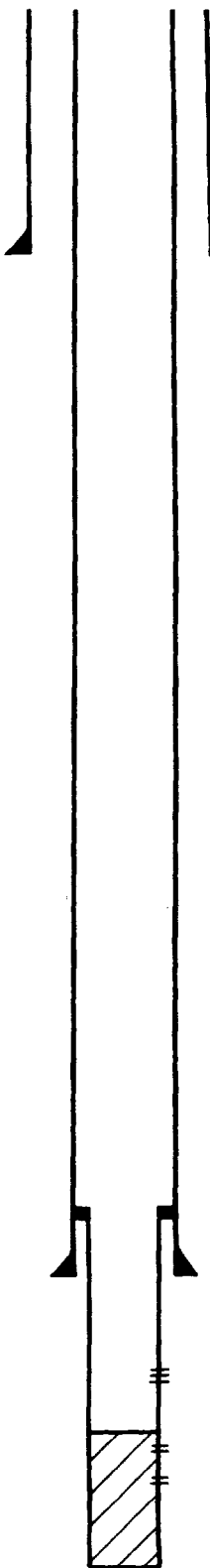
Present Prod. _____ BOPD _____ BWPD
_____ MCFPD _____ GOR
Date _____

Remarks or Additional Data:
5 1/2" casing in 6 1/4" hole
10 3/4" in 12 1/4" Hole

PBD 3665 '
TD 3850 '

WELL DATA SHEET

LEASE Conoco State J-2 WELL NO. 10 FIELD Arrowhead DATE 11/21/88
LOCATION 1980 FEET FROM N LINE AND 990 FEET FROM W LINE
SECTION 2 TOWNSHIP 22-S RANGE 36-E COUNTY Lea STATE NM



GE: 3544 '
KDB to GE '
DF to GE 10 '

10 3/4" OD 32.75 lbs.
Surf. Pipe set @
308 w/ 250 sx
Cmt. Circ? N/A
TOC @ surf by Calc

Date Completed 9/30/40
Initial Formation Grayburg
FROM: 3700 TO: 3830
Initial Production 120 BOPD 0 BWPD
324 MCFPD 2700 GOR

Completion Data:
OH Completion

Subsequent Workover or Reconditioning:
10/4/50 - Deepened to 3944'. Set 4" liner 3662 - 3944' w/75 sxs. Perf and test 3812 - 3942'. PB to 3809'. Perf 3793 - 3806'. Acidize w/ 500 gals.
5/1/68 - SI.

Present Prod. BOPD BWPD
 MCFPD GOR
 Date

5 1/2" OD
Gr
17 # Csg set @
3700 ' w/ 900 sx
Cmt. Circ?
TOC @ Surf by 25 Calc

4" liner 3662'-3944'
w/ 75 sxs

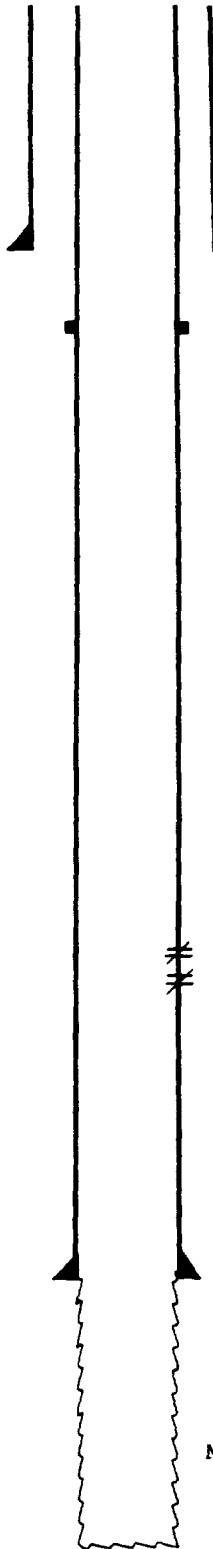
Grayburg Perfs
3793'-3806'
PB Grayburg Perfs
3812'-3942'

Remarks or Additional Data:
5 1/2" casing in 6 3/4 hole
10 3/4 in 15" hole
Old liner 3662 - 3944.

PBD 3809 '
TD 3944 '

WELL DATA SHEET

LEASE Conoco State J-2 WELL NO. 9 FIELD Arrowhead DATE 11/21/88
LOCATION 1980 FEET FROM N LINE AND 1980 FEET FROM E LINE
SECTION 2 TOWNSHIP 22-S RANGE 36-E COUNTY Lea STATE NM



GE: 3549 '
KDB to GE _____ '
DF to GE 10 _____ '

10 3/4" OD 32.75 lbs.
Surf. Pipe set @
312 w/ 250 sx
cmt. Circ? N/A
Tot e Surf by calc

casing bowl @ 719'

Squeezed Eumont Perfs
3432'-3612'

5 1/2 " OD
Gr _____
17 # Csg set @
3712 ' w/ 900 sx
Cmt. Circ? _____
TOC @ Surf by TS
Milled out. calc
4" liner @ 3672'-3878'
w/ 50 sx.
Grayburg Perfs (former)
3761'-3866'

Date Completed 8/2/40
Initial Formation Grayburg
FROM: 3712 TO: 3839
Initial Production 1704 BOPD 0 BWPD
720 MCFPD 423 GOR

Completion Data:
OH Completion.

Subsequent Workover or Reconditioning:
12/11/47 - Deepened to 3878'. Set 4"
liner 3672-3878' w/50 sx
Perf 3825-66'. Acidize w/
500 gals.

3/11/55 - Acidize w/1500 gals.

2/23/57 - Perf Eumont 3432-3612.
Frac w/12,000 gals with i#
spg. Dual completion.

1/9/62 - Cut tbq @ 3620 w/pkr, left
@ 3650'. Cut csg @ 719, re-
placed w/csg bowl.

3/68 - SI Grayburg.

8/27/81 - CO to 3878'. Perf 3761 -
3859'. Acidized w/3360
gals.

9/30/81 - SI Grayburg.

1/21/88 - Squeeze Eumont 3432-3612
w/200 sx. Acidized
Grayburg 3761-3866' w/5040
gals. Liner collapsed
3672 - 3755'.

10/3/88 - Milled out liner. Acidized
3712 - 3878' w/90 bbls 15%
HCL.

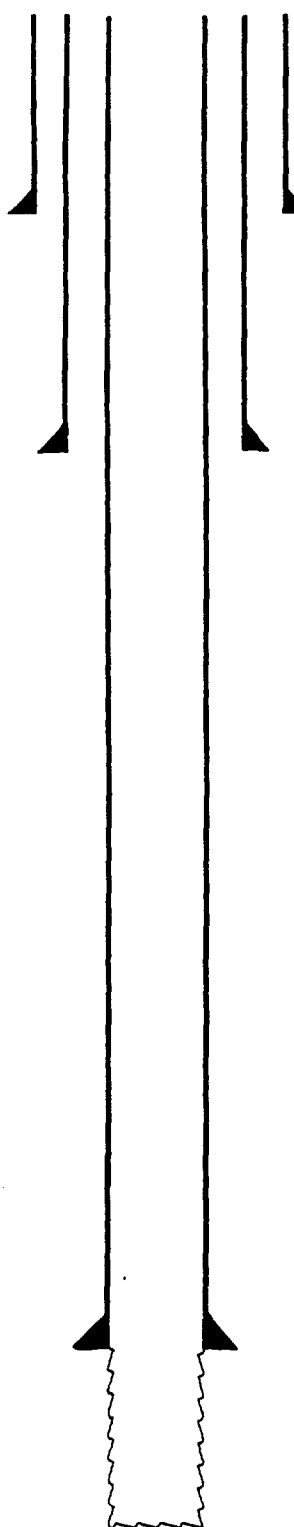
Present Prod. _____ BOPD _____ BWPD
_____ MCFPD _____ GOR
_____ Date _____

Remarks or Additional Data:
5 1/2" casing in 6 1/4 hole

PBD _____ '
TD 3878 _____ '

WELL DATA SHEET

LEASE Conoco State J-2 WELL NO. 3 FIELD Arrowhead DATE 11/18/88
LOCATION 1980 FEET FROM N LINE AND 660 FEET FROM E LINE
SECTION 2 TOWNSHIP 22-S RANGE 36-E COUNTY Lea STATE NM



GE: 3544 '
KDB to GE '
DF to GE 10 '

Date Completed 11/21/38
Initial Formation Grayburg
FROM: 3728 TO: 3826
Initial Production 1872 BOPD 0 BWPD
784 MCFPD 419 GOR

Completion Data:
Open hole completion

10 3/4" OD 32.75 lbs
Surf. Pipe set @
274 w/ 225 sx
cmt. Circ? N/A
TOC @ Surf by Calc

7 5/8" OD 26.4 #
Csg set at
1236 ' w/ 425 sx
Cmt. Circ? N/A
TOC at Surf ' by
Calc

Subsequent Workover or Reconditioning:
3/18/86 - Clean out to 3815'. String
shot 3735 - 3815'. Acidize
w/3780 gals 15%.

11/9/87 - Clean out to 3825'. String
shot 3745 - 3820 w/3780
gals 15% HCL.

10/7/88 - Deepened to 3860'. Acid-
ize w/90 bbls 15% HCL.

5 1/2" OD
Gr
17 # Csg set @
3728 ' w/ 425 sx
Cmt. Circ?
TOC @ Surf by Calc

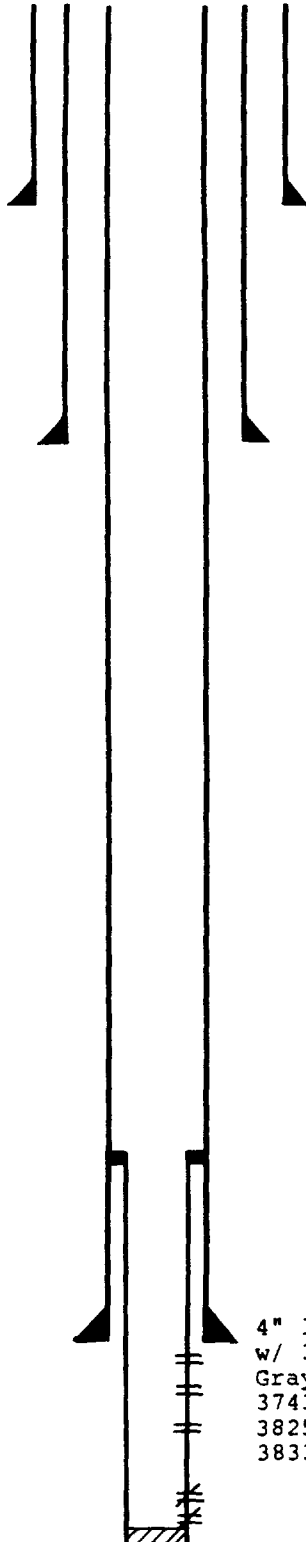
Present Prod. BOPD BWPD
 MCFPD GOR
 Date

Remarks or Additional Data:
5 1/2" csg in 6 3/4" hole

PBD '
TD 3860 '

WELL DATA SHEET

LEASE Conoco State J-2 WELL NO. 2 FIELD Arrowhead DATE 11/18/88
LOCATION 1980 FEET FROM S LINE AND 660 FEET FROM E LINE
SECTION 2 TOWNSHIP 22-S RANGE 36-E COUNTY Lea STATE NM



GE: 3529 '
KDB to GE '
DF to GE 10 '

Date Completed 9/18/38
Initial Formation
FROM: 3739 TO: 3840
Initial Production 2160 BOPD 0 BWPD
1500 MCFPD 694 GOR

Completion Data:
OH Completion

10 3/4" OD 30.5 lbs
Surf. Pipe set @
276 w/ 225 sx
cmt. Circ? N/A
TOC @ surf by Calc

7 5/8" OD 30.5 #
Csg set at
1381 ' w/ 425 sx
Cmt. Circ? N/A
TOC at surf ' by
TS Calc

Subsequent Workover or Reconditioning:
6/26/47 - Clean out to 3840'. Ran 4" liner 3700 - 3840'. Perf 3833-39, would not break down. Perf 3825-28, would not break down. Perf 3781-87', 3792-3802'. Acidize w/500 gals.

1/14/86 - Clean out to 3783'. Acidize w/1260 gals 15% Junk in hole below 3783'.

8/20/88 - Clean out 3833'. Perf 3743 - 3822'. Acidized w/ 90 bbls 15% HCL.

Present Prod. BOPD BWPD
 MCFPD GOR
Date

5 1/2" OD
Gr
14 # Csg set @
3739 ' w/ 425 sx
Cmt. Circ?
TOC @ surf by Calc

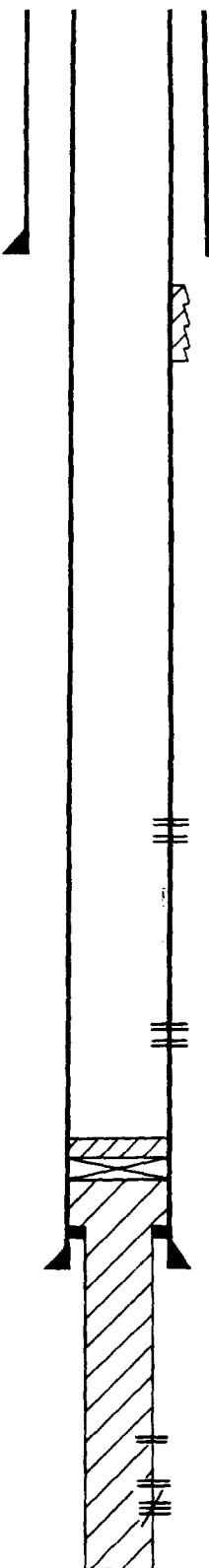
Remarks or Additional Data:
5 1/2" in 6 3/4 hole
4" liner in OH
10 3/4" in 15" hole
7 5/8" in 9 7/8" hole

4" liner from 3700-3840'
w/ 30 sxs
Grayburg Perfs
3743'-3822'
3825'-28' (closed)
3833'-39' (closed)

PBD 3833 '
TD 3840 '

WELL DATA SHEET

LEASE Conoco State J-2 WELL NO. 7 FIELD Eumont (Gas) DATE 11/18/88
 LOCATION 1980 FEET FROM S LINE AND 1980 FEET FROM E LINE
 SECTION 2 TOWNSHIP 22-S RANGE 36-E COUNTY Lea STATE NM



GE: 3521 '
 KDB to GE _____ '
 DF to GE 10 _____ '

Date Completed 5/23/40
 Initial Formation Grayburg
 FROM: 3715 TO: 3771
 Initial Production 2880 BOPD 0 BWPD
1400 MCFPD 486 GOR

Completion Data:
OH Completion

10 3/4" OD 32.75 lbs.
 Surf. Pipe set @
299 w/ 225 sx
 cmt. Circ? N/A
 Toc @ Surf by calc
 Squeezed casing leaks
445'-824' w/ 250 sxs.

Subsequent Workover or Reconditioning:
7/18/47 - Deepened to 3825'. Set 4"
liner 3683 - 3825' w/35
sxs. Perf 3808-22'. Acid-
ized w/500 gals.

3/9/55 - Acidized w/1500 gals.

3/1/69 - SI.

5/5/78 - Set cmt rtn @ 3646'.
Squeezed Grayburg w/100 sxs
10 sxs on top of rtn.
Squeeze csq leaks 445-824
w/250 sxs. Perf 3433-3590.
Acidized w/2000 gals. Frac
w/ 37000 gals Versagel.
Perf 2805'-2940'. Frac w/
55,000 gals. gel & 13,250
gals CO2 & 21,875 #'s sand.

Eumont Perfs
2805'-3590'

cmt rtn @ 3646'

5 1/2" OD
 Gr _____
17 # Csg set @
3715 ' w/ 900 sx
 Cmt. Circ? _____
 TOC @ Surf by TS
Calc

Present Prod. _____ BOPD _____ BWPD
 _____ MCFPD _____ GOR
 _____ Date _____

Remarks or Additional Data:
5 1/2" casing in 6 1/4 hole.
10 3/4" in 12 1/4" hole

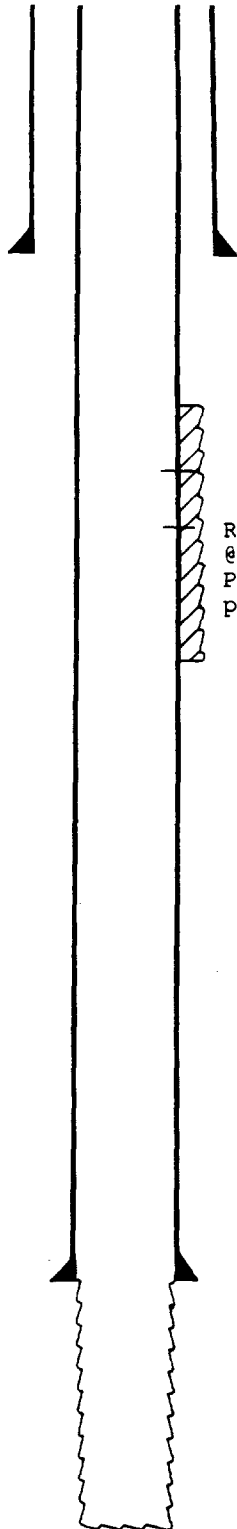
4" liner 3683'-3825'
w/ 35 sxs.
Squeezed Grayburg Perfs
3808'-3822'

PBD 3646 '

TD 3825 '

WELL DATA SHEET

LEASE OXY State "N" WELL NO. 2 FIELD Arrowhead DATE 11/21/88
LOCATION 2310 FEET FROM S LINE AND 2310 FEET FROM W LINE
SECTION 2 TOWNSHIP 22-S RANGE 36-E COUNTY Lea STATE NM



GE: 3529 '
KDB to GE _____ '
DF to GE _____ '

8 5/8" OD _____ lbs.
Surf. Pipe set @
263 w/ 125 sx
cmt. Circ? N/A
Toc @ Surf by Calc

Repaired casing leak
@ 2128' w/ 400 sxs.
Pump 905 sxs cmt thru
perfs @ 1900' and 1480'

5 1/2" OD
Gr _____
15 # Csg set @
3700 ' w/ 300 sx
Cmt. Circ? No
TOC @ 989 by TS
Calc

Date Completed 4/1/40
Initial Formation Grayburg
FROM: 3700 TO: 3810
Initial Production 1282 BOPD _____ BWPD
1598 MCFPD 1246 GOR

Completion Data:
OH Completion _____

Subsequent Workover or Reconditioning:

10/17/52 - Repaired casing leak at
2128' w/ 400 sxs. TOC
1910'. Perf @ 1900' &
squeeze w/ 530 sxs. Perf
@ 1480' and squeeze w/
375 sxs.

Present Prod. _____ BOPD _____ BWPD
_____ MCFPD _____ GOR
Date _____

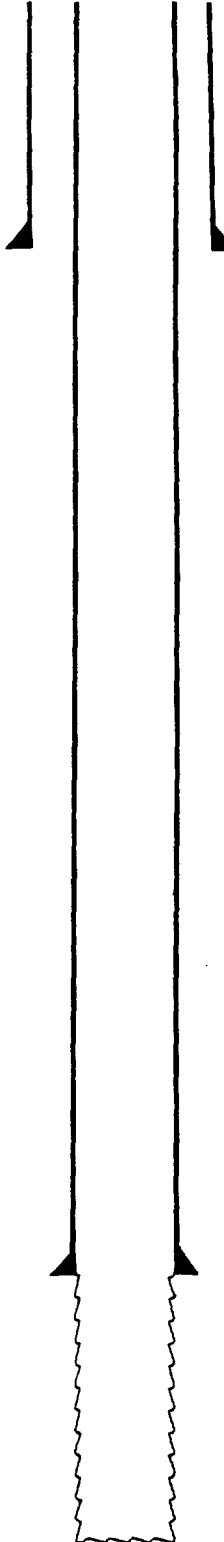
Remarks or Additional Data:

5 1/2 in 7" hole
8 5/8 in 11" hole

PBD _____ '
TD 3810 '

WELL DATA SHEET

LEASE OXY State "N" WELL NO. 3 FIELD Arrowhead DATE 11/21/88
LOCATION 2310 FEET FROM S LINE AND 990 FEET FROM W LINE
SECTION 2 TOWNSHIP 22-S RANGE 36-E COUNTY Lea STATE NM



GE: 3539 '
KDB to GE _____ '
DF to GE _____ '

8 5/8" OD _____ lbs.
Surf. Pipe set @
344 w/ 200 sx
cmt. Circ? N/A
Toe @ surf by Calc

Date Completed 6/15/40
Initial Formation Grayburg
FROM: 3702 TO: 3820
Initial Production 741 ECPD 0 BWPD
630 MCFPD 850 GCR

Completion Data:
OH Completion _____

Subsequent Workover or Reconditioning:

7-18-53 Acidized w/ 500 gals.

Present Prod. _____ BOPD _____ BWPD
_____ MCFPD _____ GCR
Date _____

5 1/2" OD
Gr _____
15 # Csg set @
3702 ' w/ 200 sx
Cmt. Circ? No
TOC @ 1894 by TS
Calc

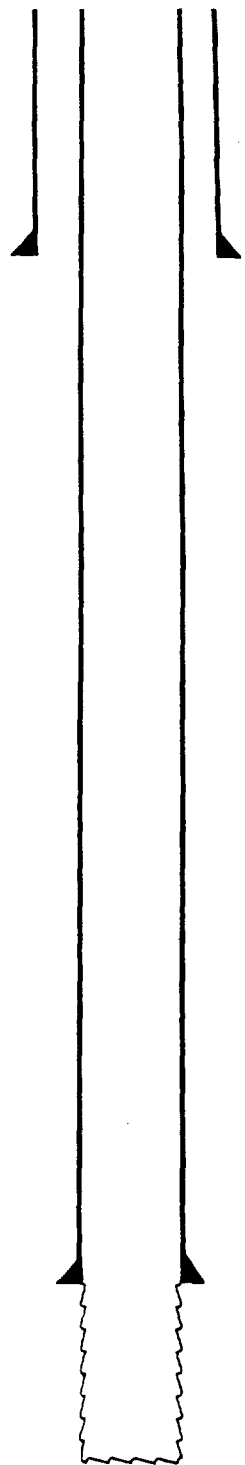
Remarks or Additional Data:

8 5/8" in 11" hole
5 1/2" in 7" hole

PBD _____ '
TD 3820 '

WELL DATA SHEET

LEASE OXY State "N" WELL NO. 4 FIELD Arrowhead DATE 11/21/88
LOCATION 990 FEET FROM S LINE AND 990 FEET FROM W LINE
SECTION 2 TOWNSHIP 22-S RANGE 36-E COUNTY Lea STATE NM



GE: 3556 '
KDB to GE _____ '
DF to GE _____ '

8 5/8" OD _____ lbs.
Surf. Pipe set @
341 w/ 300 sx
cmt. Circ? N/A
Toc @ surf by calc

Date Completed 9/26/40
Initial Formation Grayburg
FROM: 3708 TO: 3835
Initial Production 1392 BOPD _____ BWPD
1047 MCFPD 752 GOR

Completion Data:
Acidized w/1000 gals.

Subsequent Workover or Reconditioning:

Present Prod. _____ BOPD _____ BWPD
_____ MCFPD _____ GOR
Date _____

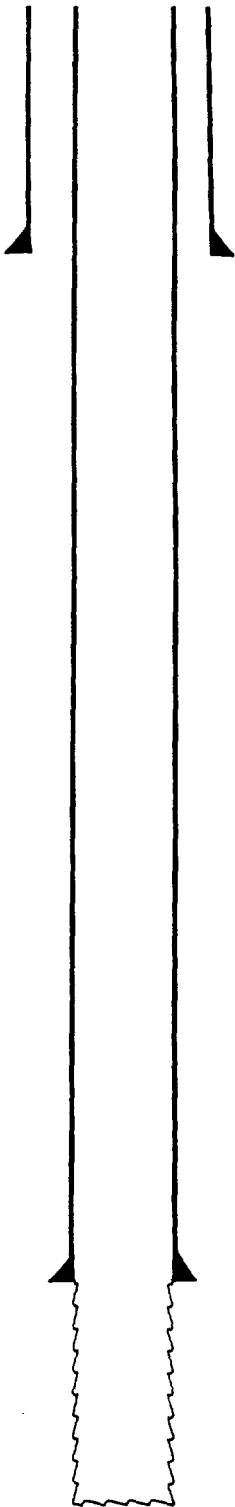
5 1/2 " OD
Gr _____
15 # Csg set @
3708 ' w/ 150 sx
Cmt. Circ? No
TOC @ 2353 by TS
Calc

Remarks or Additional Data:
8 7/8 in 11" hole
5 1/2 in 7" hole

PBD _____ '
TD 3835 '

WELL DATA SHEET

LEASE OXY State "N" WELL NO. 5 FIELD Eumont Gas DATE 11/21/88
LOCATION 660 FEET FROM S LINE AND 660 FEET FROM W LINE
SECTION 2 TOWNSHIP 22-S RANGE 36-E COUNTY Lea STATE NM



GE: 3554 '
KDB to GE 8 '
DF to GE _____'

Date Completed 6/6/56
Initial Formation Eumont
FROM: 3034 TO: 3515
Initial Production 0 BOPD 0 BWPD
2473 MCFPD _____ GOR

Completion Data:
Acidized w/2000 gals.

8 5/8" OD 24 lbs.
Surf. Pipe set @
1510 w/ 650 sx
cmt. Circ? Yes

Subsequent Workover or Reconditioning:

Present Prod. _____ BOPD _____ BWPD
_____ MCFPD _____ GOR
_____ Date _____

5 1/2" OD
Gr _____
14 # Csg set @
3034 ' w/ 450 sx
Cmt. Circ? _____
TOC @ 634 by TS
Calc

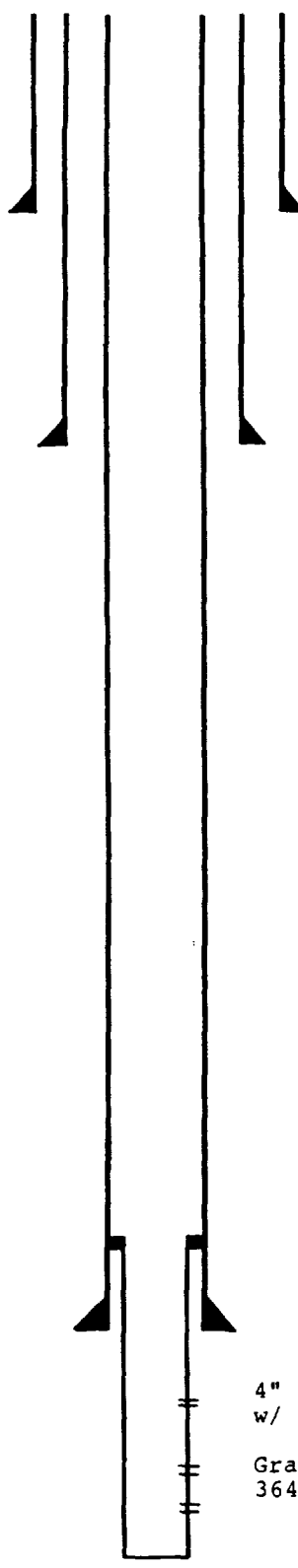
Remarks or Additional Data:
5 1/2" in 7 7/8" hole.

PBD _____
TD 3515

AGU 175 WJ

WELL DATA SHEET

LEASE Conoco State J-2 WELL NO. 6 FIELD Arrowhead DATE 11/21/88
LOCATION 660 FEET FROM S LINE AND 1980 FEET FROM E LINE
SECTION 2 TOWNSHIP 22-S RANGE 36-E COUNTY Lea STATE NM



GE: 3525 '
KDB to GE 8 '
DF to GE _____'

10 3/4" OD 32.75 lbs
Surf. Pipe set @
277 w/ 225 sx
cmt. Circ? N/A
TOC @ surf by Calc

7 5/8" OD 26.4 #
Csg set at
1434 ' w/ 425 sx
Cmt. Circ? N/A
TOC at surf by PS Calc

5 1/2" OD
Gr _____
17 # Csg set @
3706 ' w/ 425 sx
Cmt. Circ? N/A
TOC @ surf by PS Calc

4" liner 3333'-3872'
w/ 25 sxs.

Grayburg Perfs
3648'-3869'

Date Completed 4/27/39
Initial Formation Grayburg
FROM: 3706 TO: 3810
Initial Production 1584 BOPD 0 BWPD
845 MCFPD 533 GOR

Completion Data:
OH Completion

Subsequent Workover or Reconditioning:
9/27/47 - Deepened to 3865'. Set 4" liner 3665 - 3865'. Dropped 36 jts 2" tbq. Milled to 3448'.

3/1/48 - Set whipstock @ 3404. Deepened to 3872'. Set 4" liner 3333 - 3872'. Perf 3866 - 69'. Acidized w/500 gals.

12/5/52 - Acidize w/500 gals.

5/14/53 - Acidize w/500 gals.

7/7/72 - Set CIBP @ 3860'. Perf 3848 - 54'. Acidize w/1000 gals.

11/19/84 - Acidized w/500 gals.

4/9/87 - CO to 3872'. Perf 3648-54', 3798-3808', 3816-26'. Acidized w/3360 gals.

9/15/88 - Perf 3742-3842. Acidize w/w/90 bbls 15% HCL.

Present Prod. _____ ECPD _____ BWPD _____
MCFPD _____ GOR _____
Date _____

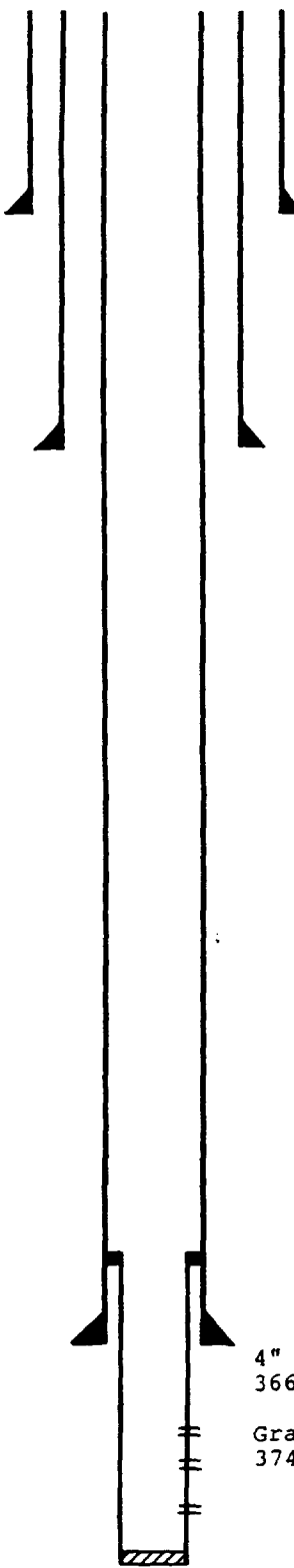
Remarks or Additional Data:
10 3/4 in 12 1/4 hole
7 5/8 in 9 3/8 hole
5 1/2 in 6 3/4 hole

PBD _____'

TD 3872'

WELL DATA SHEET

LEASE Conoco State J-2 WELL NO. 5 FIELD Arrowhead DATE 11/18/88
LOCATION 660 FEET FROM S LINE AND 660 FEET FROM E LINE
SECTION 2 TOWNSHIP 22-S RANGE 36-E COUNTY Lea STATE NM



GE: 3503 '
KDB to GE '
DF to GE 10 '

Date Completed 4/19/39
Initial Formation Grayburg
FROM: 3722 TO: 3791
Initial Production 936 BOPD 0 BWPD
640 MCFPD 684 GOR

Completion Data:
OH Completion

10 3/4" OD 32.75 lbs
Surf. Pipe set @
271 w/ 225 sx
cmt. Circ? N/A
TOC @ Surf by Calc

7 5/8" OD 26.4#
Csg set at
1363 ' w/ 425 sx
Cmt. Circ? N/A
TOC at Surf ' by
Calc

Subsequent Workover or Reconditioning:
10/20/48 - Deepened to 3816'. Set 4"
liner 3664 - 3816'. Perf
3790 - 3808'. Acidize w/
500 gals.

3/10/55 - Acidize w/1500 gals.

12/17/85 - CO to 3816'. Acidize w/
1680 gals.

11/2/87 - Acidize w/1680 gals.

9/26/88 - Tag 6' fill. Did not CO.
Perf 3744 - 3808'. Acid-
ized w/75 bbls 15% HCL.

5/90 - Acidized

5 1/2" OD
Gr
17 # Csg set @
3722 ' w/ 425 sx
Cmt. Circ?
TOC @ Surf by Calc

Present Prod. BOPD BWPD
 MCFPD GOR
 Date

Remarks or Additional Data:
5 1/2" casing in 6 3/4" hole.

6' fill.
10 3/4" in 12 1/4" hole
7 1/8" in 9 7/8" hole

4" liner set
3664'-3791' w/ 50 sx

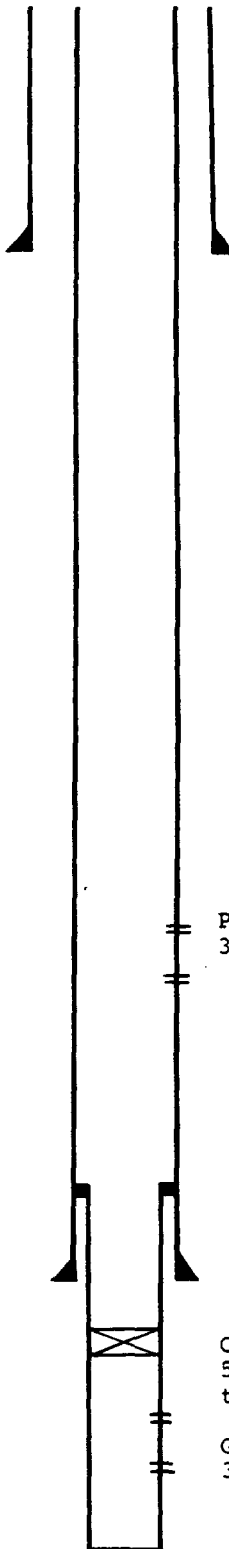
Grayburg Perfs
3744'-3808'

PBD 3810 '
TD 3816 '

WELL DATA SHEET

Hal J Rasmussen

LEASE State "A" AC 2 WELL NO. 13 FIELD Arrowhead DATE 11/22/88
LOCATION 660 FEET FROM N LINE AND 660 FEET FROM E LINE
SECTION 11 TOWNSHIP 22-S RANGE 36-E COUNTY Lea STATE NM



GE: 3512 '
KDB to GE _____ '
DF to GE 9 _____ '

12 1/2" OD 50 lbs.
Surf. Pipe set @
308 w/ 200 sx
cmt. Circ? N/A
Toe @ surf by calc

Date Completed 2/5/39
Initial Formation Grayburg
FROM: 3705 TO: 3800
Initial Production 1440 BOPD 0 BWPD
_____ MCFPD _____ GOR

Completion Data:
OH Completion

Subsequent Workover or Reconditioning:
11/29/50 - Deepened to 3876'. Set
5 1/2" liner in 7" casing
to TD. Perf 3825 - 39',
3843 - 3866', 3868 - 75'.

2/10/66 - Perf 3637 - 3704.
Set CIBP @ 3745'. Acidized
w/5000 gals.

Penrose Perfs
3637'-3704'

Present Prod. _____ BOPD _____ BWPD
_____ MCFPD _____ GOR
Date _____

7 " OD
Gr _____
24 # Csg set @
3705 ' w/ 400 sx
Cmt. Circ? No
TOC @ 1428 by TS
Calc

CIBP @ 3745'
5 1/2" Liner from ?
to 3876' w/ 25 sxs.

Grayburg Perfs
3825'-3875'

Remarks or Additional Data:

7" assumed in 8 7/8" hole
1 1/2" assumed in 1 5/8" hole

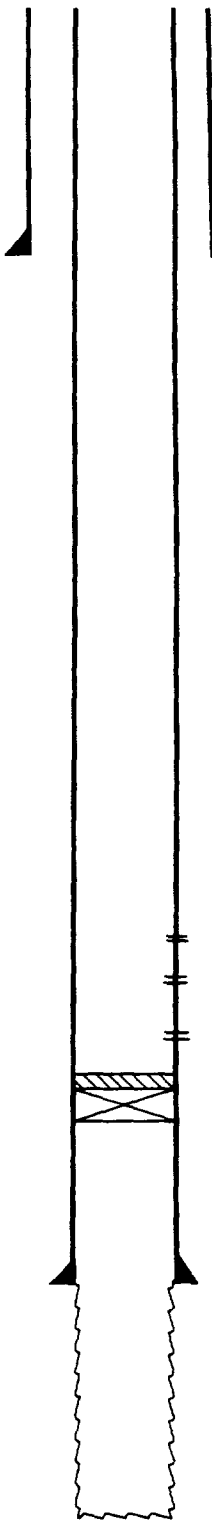
PBD 3745 '

TD 3876 '

Hal J Rasmussen

WELL DATA SHEET

LEASE State "A" AC 2 WELL NO. 14 FIELD Jalmat DATE 11/22/86
 LOCATION 660 FEET FROM N LINE AND 1980 FEET FROM E LINE
 SECTION 11 TOWNSHIP 22-S RANGE 36-E COUNTY Lea STATE NM



GE: 3540 '
 KDB to GE _____ '
 DF to GE _____ '

12 1/2" OD 50 lbs.
Surf. Pipe set @
346 w/ 200 sx
cmt. Circ? N/A
Top e surf by calc

Jalmat Perfs
 2839'-3601'

CIBP @ 3660'

7 " OD
 Gr
24 # Csg set @
3680' w/ 500 sx
 Cmt. Circ? No
 TOC @ 835 by PS
Calc

Date Completed 3/8/39
 Initial Formation Penrose
 FROM: 3680 TO: 3790
 Initial Production 2520 BOPD _____ BOPD _____
 _____ MCFPD _____ GOR _____

Completion Data:
OH Completion

Subsequent Workover or Reconditioning:
9/5/50 - Acidized w/500 gals 20% mud acid.
11/23/54 - Acidized w/500 gals mud acid.
7/3/63 - TA'd.
4/6/64 - Set CIBP @ 3660' w/2 sxs cmt on top. Perforate Jalmat 2839 - 3601'. Fraced
1/31/69 - Isolated Jalmat 2839 - 3360' from Eunice, So. 3420 - 3601 w/packers. Dual completior.

Present Prod. _____ BOPD _____ BOPD _____
 _____ MCFPD _____ GOR _____
 _____ Date _____

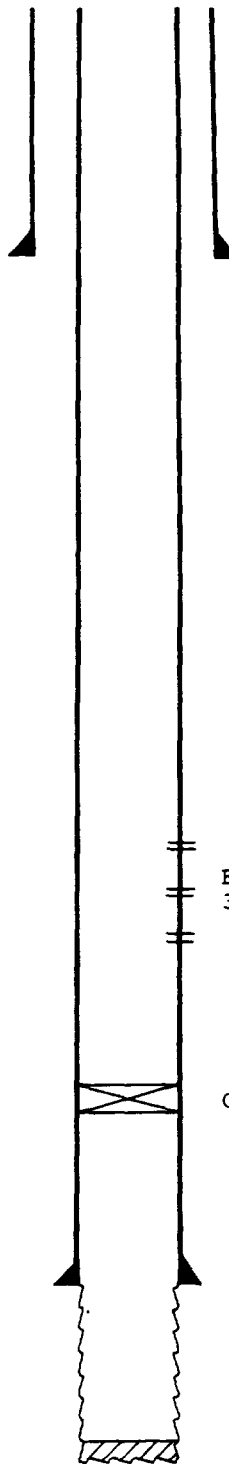
Remarks or Additional Data:
7" assumed in 8 3/8" hole
12 1/2" in 15 1/2" hole

PBD 3660 '
 TD 3790 '

LEASE State "A" AC 2 WELL NO. 15 FIELD Eunice, South DATE 11/22/88

LOCATION 660 FEET FROM N LINE AND 1980 FEET FROM W LINE

SECTION 11 TOWNSHIP 22-S RANGE 36-E COUNTY Lea STATE NM



GE: 3551 '
KDB to GE _____ '
DF to GE 10 _____ '

12 1/2" OD 40 lbs.
Surf. Pipe set @
360 w/ 250 sx
cmt. Circ? N/A
TOC at surf by Calc

Date Completed 5/9/39
Initial Formation Grayburg
FROM: 3710 TO: 3851
Initial Production 203 BOPD _____ BOPD _____
MCFPD _____ GOR _____

Completion Data:
OH Completion _____

Subsequent Workover or Reconditioning:
4/17/40 - Acidized w/1000 gals.

4/12/54 - CO 3830 - 51'. Acidized w/1000 gals.

3/10/55 - Fraced w/5000 gals oil w/10,000 #'s sand.

10/5/70 - Set CIBP @ 3685. Perf Eunice, South 3355 - 3649' Acidize and fraced.

Eunice South Perfs
3355'-3649'

CIBP @ 3685'

7 " OD
Gr _____
24 # Csg set @
3710 ' w/ 400 sx
Cmt. Circ? No
TOC @ 1434 by JB
Calc

Present Prod. _____ BOPD _____ BOPD _____
MCFPD _____ GOR _____
Date _____

Remarks or Additional Data:

7" assumed in 8 3/8" hole
12 1/2" assumed in 15 1/2" hole

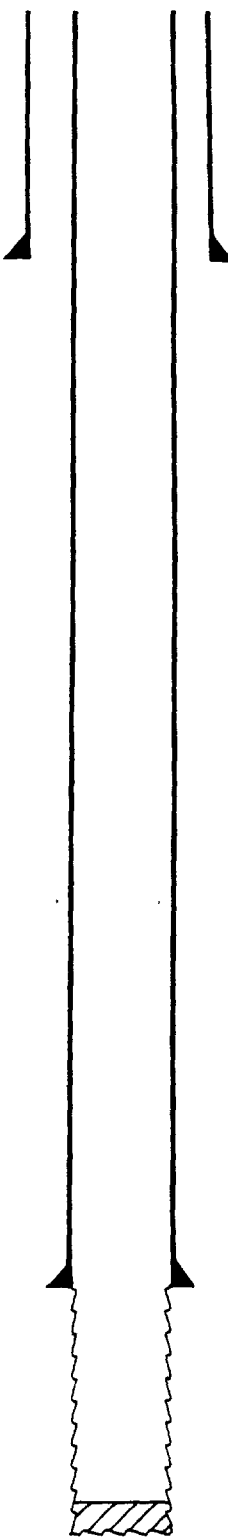
PBD 3685 '

TD 3856 '

AGU 193

Hal J Rasmussen WELL DATA SHEET

LEASE State "A" AC 2 WELL NO. 17 FIELD Arrowhead DATE 11/22/88
LOCATION 2310 FEET FROM N LINE AND 350 FEET FROM E LINE
SECTION 11 TOWNSHIP 22-S RANGE 36-E COUNTY Lea STATE NM



GE: 3513 '
KDB to GE _____ '
DF to GE 7 _____ '

10 3/4" OD 40 lbs.
Surf. Pipe set @
373 w/ 175 sx
cmt. Circ? N/A
TOC at surf by Calc

Date Completed 7/15/39
Initial Formation Grayburg
FROM: 3665 TO: 3790
Initial Production 720 BOPD 0 BWPD
nm MCFPD nm GOR

Completion Data:
OH Completion

Subsequent Workover or Reconditioning:
4/1/47 - PB to 3755. Acidized w/1000
gals. Put on pump.

1/31/64 - TA'd.

12/7/65 - Cleaned out 3730 - 35'.
Acidized w/4000 gals. SI.

9/16/68 - Cleaned out to 3721. SI.

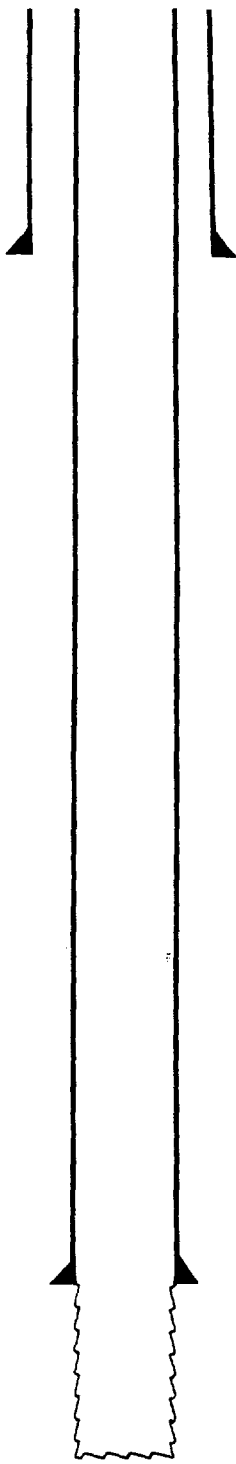
Present Prod. _____ BOPD _____ BWPD
_____ MCFPD _____ GOR
Date _____

7 " OD
Gr _____
24 # Csg set @
3665 ' w/ 400 sx
Cmt. Circ? _____
TOC @ 1200 by ^{TS}calc

Remarks or Additional Data:
7" in 8 3/4" hole
10 3/4" in 13 3/4" hole

PBD 3755 '
TD 3790 '

LEASE State "A" AC 2 WELL NO. 16 FIELD Arrowhead DATE 11/22/88
 LOCATION 2310 FEET FROM S LINE AND 330 FEET FROM E LINE
 SECTION 11 TOWNSHIP 22-S RANGE 36-E COUNTY Lea STATE NM



GE: 3520 '
 KDB to GE _____ '
 DF to GE _____ '

10 " OD 40 lbs.
 Surf. Pipe set @
299 w/ 175 sx
 cmt. Circ? N/A
 Toc @ surf by calc

Date Completed 6/4/39
 Initial Formation Grayburg
 FROM: 3662 TO: 3802
 Initial Production 350 BOPD 0 BWPD
nm MCFPD nm GOR

Completion Data:
OH Completion

Subsequent Workover or Reconditioning:
2/29/40 - Acidized w/2000 gals.
8/1/50 - Acidized w/2000 gals. 15%.
6/7/54 - Set production pkr at 3615
and fraced OH w/4000 gals &
8000 #'s sand.
4/16/68 - Perf open-hole 3664 -
3754'. Acidized w/5000
gals 15%.

Present Prod. _____ BOPD _____ BWPD
 _____ MCFPD _____ GOR
 _____ Date _____

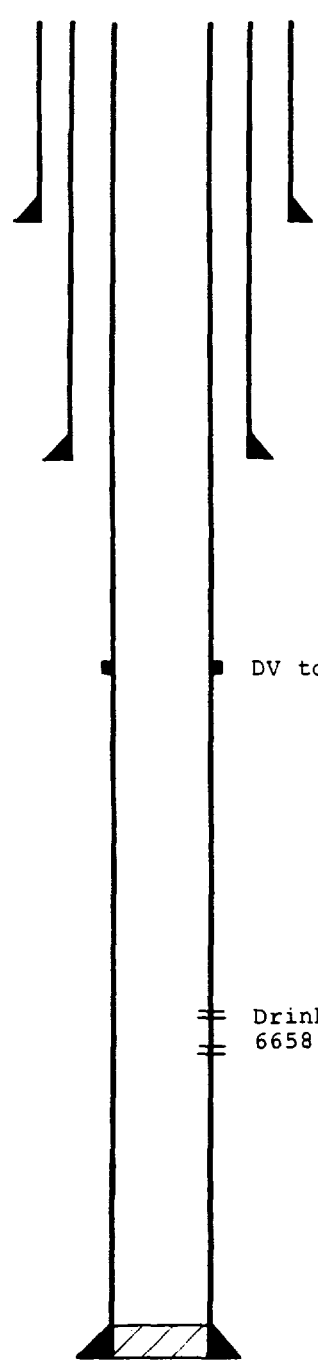
7 " OD
 Gr _____
24 # Csg set @
3662 ' w/ 400 sx
 Cmt. Circ? No
 TOC @ 1203 by PS
Calc

Remarks or Additional Data:
7" in 8 3/4" hole
10" in 12 1/4" hole

PBD _____ '
 TD 3802 '

WELL DATA SHEET

LEASE Chevron H.T. Mattern (NCT-E) WELL NO. 14 FIELD Drinkard DATE 11/28/88
LOCATION 430 FEET FROM N LINE AND 330 FEET FROM E LINE
SECTION 12 TOWNSHIP 22-S RANGE 36-E COUNTY Lea STATE NM



GE: 3457 '
KDB to GE 13 '
DF to GE _____'

Date Completed 3/15/85
Initial Formation Drinkard
FROM: 6658 TO: 6702
Initial Production 25 BOPD 73 BWPD
101 MCFPD 4040 GOR

Completion Data:
Perf Drinkard 6658 - 6702'. Acidized & fraced.

11 3/4" OD 42 lbs
Surf. Pipe set @
399 w/ 275 sx
cmt. Circ? Yes

8 5/8" OD
24 & 32# Csg
set at 2595' w/
700 sx
Cmt. Circ? Yes
TOC at _____' by
TS

DV tool @ 4542'

Drinkard Perfs
6658'-6702

Subsequent Workover or Reconditioning:

Present Prod. _____ BOPD _____ BWPD
_____ MCFPD _____ GOR
_____ Date _____

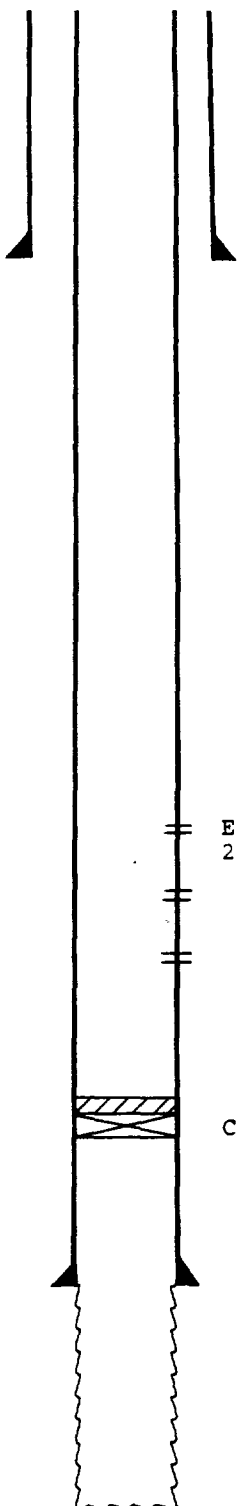
5 1/2" OD
Gr K-55
15.5 & 17# Csg set @
6750' w/ 1375 sx
Cmt. Circ? Yes/No
TOC @ 330 by TS

Remarks or Additional Data:
5 1/2" casing in 7 7/8" hole

PBD 6710 '
TD 6750 '

WELL DATA SHEET

LEASE Chevron H.T. Mattern (NCT-E) WELL NO. 11 FIELD Eumont Gas DATE 11/23/98
LOCATION 660 FEET FROM N LINE AND 1980 FEET FROM E LINE
SECTION 12 TOWNSHIP 22-S RANGE 36-E COUNTY Lea STATE NM



GE: 3471 '
KDB to GE 6.5 '
DF to GE 5 '

9 5/8 " OD 25.7 lbs.
Surf. Pipe set @
250 w/ 250 sx
cmt. Circ? Yes

Date Completed 3/15/42
Initial Formation Grayburg
FROM: 3680 TO: 3775
Initial Production 948 BOPD 0 BWPD
1209 MCFPD 1275 GOR

Completion Data:
OH Completion

Subsequent Workover or Reconditioning:
6/16/50 - Installed gas lift.

12/3/52 - Installed rod pump.

12/21/65 - CI well.

1/27/70 - Set CIBP @ 3600' w/1 sx
cmt on top (5'). Perf
Eumont 2670 - 3460'. Acid-
ize & fraced.

8/15/74 - Cleaned out to 3600'.

3/26/81 - Dump acid w/500 gals.

Eumont Perfs
2670'-3460'

CIBP @ 3600'

5 1/2 " OD
Gr H
14 # Csg set @
3680 ' w/ 400 sx
Cmt. Circ? No
TOC @ 2435 by TS

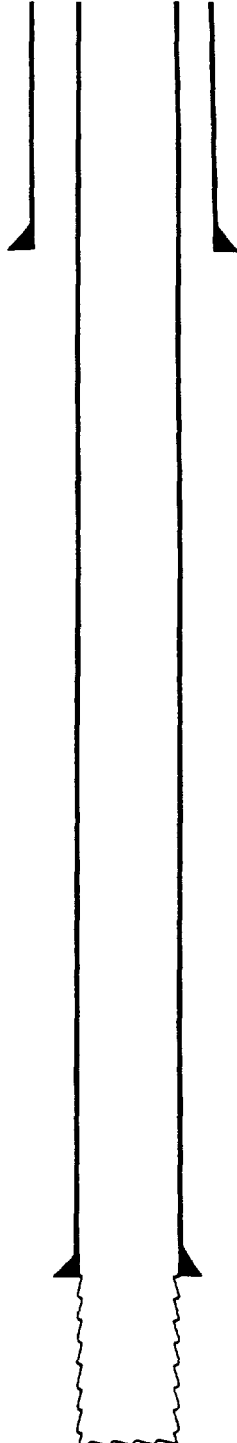
Present Prod. _____ BOPD _____ BWPD
_____ MCFPD _____ GOR
_____ Date _____

Remarks or Additional Data:
5 1/2" casing in 7 7/8" hole
4 3/4" open-hole

PBD 3600 '
TD 3775 '

WELL DATA SHEET

LEASE Chevron H.T. Mattern (NCT-E) WELL NO. 9 FIELD Arrowhead DATE 11/23/88
 LOCATION 660 FEET FROM N LINE AND 1980 FEET FROM W LINE
 SECTION 12 TOWNSHIP 22-S RANGE 36-E COUNTY Lea STATE NM



GE: 3481 '
 KDB to GE 6.5 '
 DF to GE 5 '

9 5/8 " OD 25.7 lbs.
 Surf. Pipe set @
290 w/ 275 sx
 cmt. Circ? Yes

5 1/2 " OD
 Gr H
14 # Csg set @
3685 ' w/ 200 sx
 Cmt. Circ? _____
 TOC @ 1472 by TS
calc

Date Completed 4/15/40
 Initial Formation Grayburg
 FROM: 3685 TO: 3780
 Initial Production 674 BOPD 0 BWPD
538 MCFPD 798 GOR

Completion Data:
OH Completion

Subsequent Workover or Reconditioning:

- 3/23/45 - Set production packer @ 3720'.
- 3/21/50 - Set production packer @ 3602'.
- 12/2/50 - Acidized w/1000 gals. Installed gas lift.
- 12/31/52 - Installed rod pump.

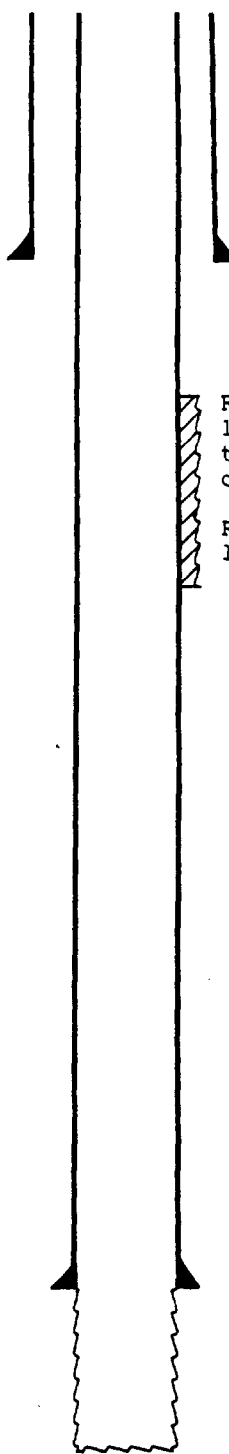
Present Prod. _____ BOPD _____ BWPD
 _____ MCFPD _____ GOR
 _____ Date

Remarks or Additional Data:
5 1/2" casing in 6 3/4" hole
4 3/4" open-hole

PBD _____ '
 TD 3780 '

WELL DATA SHEET

LEASE Chevron H.T. Mattern (NCT-E) WELL NO. 3 FIELD Arrowhead DATE 11/23/8
LOCATION 660 FEET FROM N LINE AND 660 FEET FROM W LINE
SECTION 12 TOWNSHIP 22-S RANGE 36-E COUNTY Lea STATE NM



GE: 3494 '
KDB to GE 6.5 '
DF to GE _____'

10 3/4" OD _____ lbs.
Surf. Pipe set @
280 w/ 225 sx
cmt. Circ? Yes

Repaired casing leak
1440'-65' w/ 940 sxs
through perfs @ 1500'
cmt. circ.

Repaired casing leak
1410'-2009' w/ 525 sxs.

6 " OD
Gr C
16 # Csg set @
3685 ' w/ 350 sx
Cmt. Circ? No
TOC @ 2505 by TS

Date Completed 3/20/39
Initial Formation Grayburg
FROM: 3690 TO: 3780
Initial Production 1254 BOPD 0 BWPD
915 MCFPD 730 GOR

Completion Data:
OH Completion

Subsequent Workover or Reconditioning:
6/23/49 - Installed Gas lift.

11/28/52 - Installed rod pump.

11/10/55 - Repaired casing leak
1440 - 65'. Set BP @
3620'. Perf 6" casing @
1500'. Set cmt rtn @
1470'. Cmt below rtn w/
940 sx. Cmt circulated.
Bradenhead squeezed to
500 psi. Drill out cmt
and BP. Clean out to TD.

4/20/88 - Repaired casing leak 1410-
2009' w/525 sxs cmt. Drill
out cmt and clean out to
3780'. Perf OH 3685 -
3764'. Acidized w/2500
gals.

Present Prod. _____ BOPD _____ BWPD
_____ MCFPD _____ GOR
_____ Date

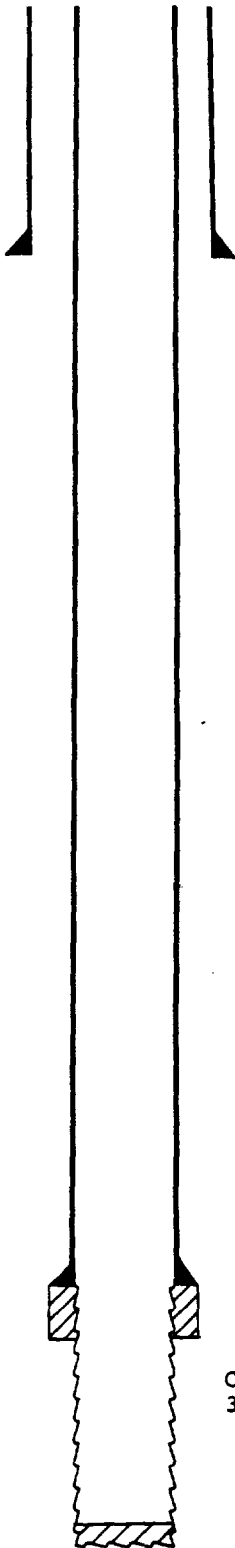
Remarks or Additional Data:
6" casing in 7 7/8" hole.
5 3/8" OH

PBD _____ '
TD 3780 '

AGU 195

WELL DATA SHEET

LEASE Chevron H.T. Mattern (NCT-E) WELL NO. 6 FIELD Arrowhead DATE 11/23/86
LOCATION 2310 FEET FROM N LINE AND 1650 FEET FROM W LINE
SECTION 12 TOWNSHIP 22-S RANGE 36-E COUNTY Lea STATE NM



GE: 3480 '
KDB to GE 6.5 '
DF to GE 5 '

10 3/4" OD 51 lbs.
Surf. Pipe set @
322 w/ 250 sx
cmt. Circ? Yes

5 1/2" OD
Gr B
14 # Csg set @
3669 ' w/ 400 sx
Cmt. Circ? No
TOC @ 2450 by TS

Cement squeezed at
3669'-3680'

Date Completed 7/1/39
Initial Formation Grayburg
FROM: 3669 TO: 3765
Initial Production 787 BOPD BWPD
248 MCFPD GOR

Completion Data:
Acidized w/2000 gals 15%.

Subsequent Workover or Reconditioning:
7/22/50 - Installed gas lift.

12/02/52 - Installed rod pump.

5/1/59 - PB to 3739' w/28 gals hydromite. Fraced 3669-3739 w/15,000 gals oil and 1-3 #'s spg. PB to 3680 w/32 gals hydromite. Set rtn and squeeze OH 3669 - 3680 w/ 250 sxs cmt. Drilled out to 3739'.

Present Prod. BOPD BWPD
 MCFPD GOR
Date

Remarks or Additional Data:
5 1/2" casing in 7 7/8" hole
4 3/4" open-hole

PBD 3739 '

TD 3765 '

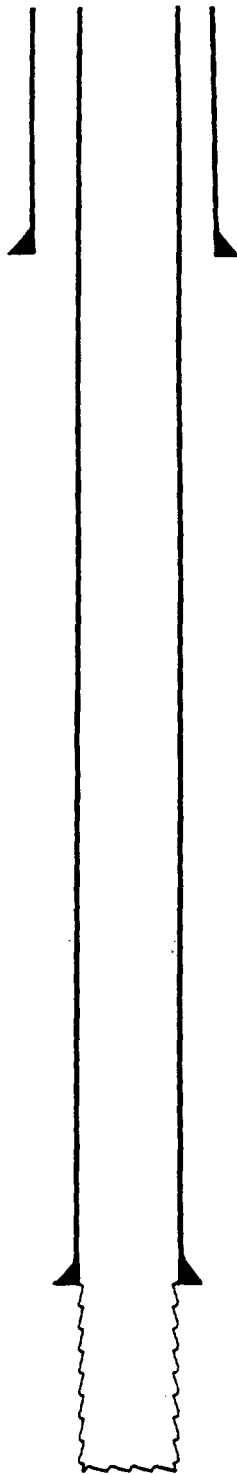
WELL DATA SHEET

HW 116 01

LEASE Chevron H.T. Mattern (NCT-E) WELL NO. 7 FIELD Arrowhead DATE 11/23/81

LOCATION 2310 FEET FROM N LINE AND 2310 FEET FROM E LINE

SECTION 12 TOWNSHIP 22-S RANGE 36-E COUNTY Lea STATE NM



GE: 3470 '
KDB to GE 6.5 '
DF to GE 5 '

Date Completed 7/28/39
Initial Formation Grayburg
FROM: 3655 TO: 3760
Initial Production 907 BOPD 0 BWPD
648 MCFPD 714 GOR

Completion Data:

10 3/4" OD 51 lbs.
Surf. Pipe set @
289 w/ 250 sx
cmt. Circ? Yes

Subsequent Workover or Reconditioning:

- 6/23/49 - Installed gas lift.
- 12/22/52 - Installed rod pump.
- 12/10/58 - PB to 3735 w/16 gals hydromite. Fraced w/ 10,000 gals oil w/1 # spg
- 6/24/70 - Dump acid w/500 gals 15%.
- 4/2/88 - CO to 3760 (corrected depth). Tested casing (ok).

Present Prod. _____ BOPD _____ BWPD
_____ MCFPD _____ GOR
_____ Date

5 1/2" OD
Gr H
14 # Csg set @
3655 ' w/ 400 sx
Cmt. Circ? No
TOC @ 2385 by TS

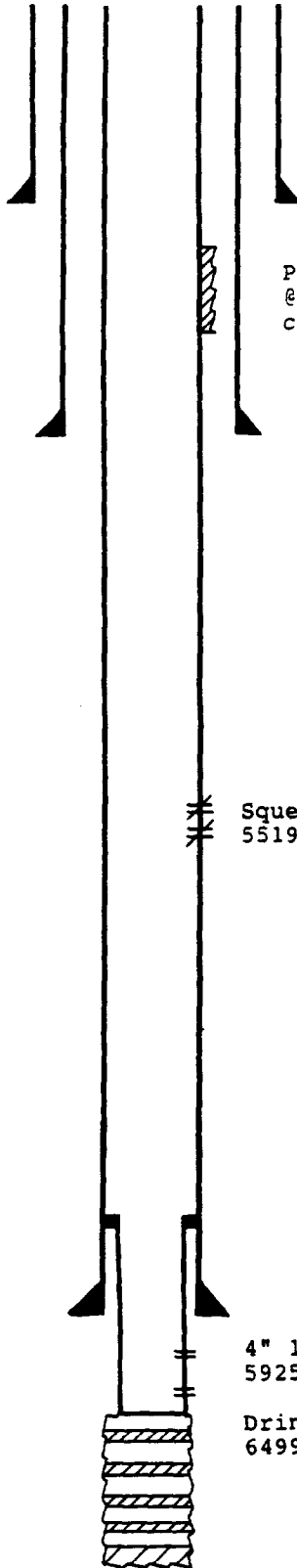
Remarks or Additional Data:

- 5 1/2" casing in 7 7/8" hole
- 4 3/4" open-hole

PBD _____
TD 3760

WELL DATA SHEET

LEASE Chevron H.T. Mattern (NCT-E) WELL NO. 13 FIELD Drinkard DATE 11/28/88
LOCATION 2310 FEET FROM N LINE AND 330 FEET FROM E LINE
SECTION 12 TOWNSHIP 22-S RANGE 36-E COUNTY Lea STATE NM



GE: 3455 '
KDB to GE 14 '
DF to GE 13 '

13 3/8" OD 48 lbs
Surf. Pipe set @
326 w/ 425 sx
cmt. Circ? Yes

Perfed and cemented
@ 1250' to repair
casing flow

9 5/8" OD
32.6 & 36# Csg
set at 3899' w/
2000 sx
Cmt. Circ? No
TOC at 1660' by
TS

Squeezed Blinebry Perfs
5519'-5969'

5 1/2" OD
Gr K-55
14 # Csg set @
6045' w/ 450 sx
Cmt. Circ? No
TOC @ 4574 by TS

4" 11.6E liner from
5925'-6803' w/ 375 sxs.

Drinkard Perfs
6499'-6666'

PBD 6803 '
TD 9700 '

Date Completed 4/30/59
Initial Formation TA
FROM: - TO: -
Initial Production - BOPD - BWPD
- MCFPD - GOR

Completion Data:
Drilled to 9700'. Set cement plugs
9530 - 9700', 9000 - 9100', 8250 -
8350', 7700 - 7800', 6350 - 6450',
5650 - 5750' and 5400 - 5265'.
Hydromite 5250 - 5265.

Subsequent Workover or Reconditioning:
8/31/72 - Drilled out to 6045' and
ran 5 1/2" casing. Perf
Blinebry 5519 - 5969'.
Fraced.

11/11/75 - Squeezed Blinebry perfs.
Drilled and under reamed
to 6860'. Spot cmt plug
6804 - 6855'. Ran 4"
liner 5925 - 6803' w/375
sxs. Perf Drinkard 6499-
6666'. Acidize and frac.

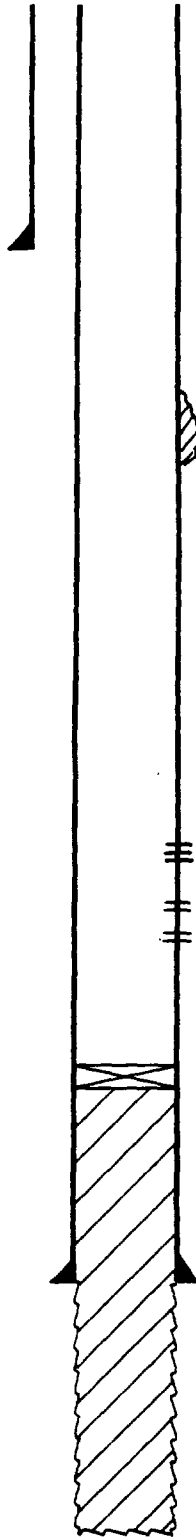
5/10/84 Repaired casing flow.
Perf @ 1250' and circ-
ulate cement between 5 1/2"
& 9 5/8" casing, close
valve and pump cmt be-
tween 9 5/8" and 13 3/8",
did not circulate. Return
to production.

Present Prod. _____ BOPD _____ BWPD
_____ MCFPD _____ GOR
Date _____

Remarks or Additional Data:
5 1/2" casing in 8 3/4" hole

WELL DATA SHEET

LEASE Arco State 157-D WELL NO. 4 FIELD Eumont Gas DATE 11/28/88
 LOCATION 2310 FEET FROM S LINE AND 990 FEET FROM E LINE
 SECTION 12 TOWNSHIP 22-S RANGE 36-E COUNTY Lea STATE NM



DF: 3456 '
 KDE to GE _____ '
 DF to GE _____ '

Date Completed 8/39
 Initial Formation Grayburg
 FROM: 3572 TO: 3750
 Initial Production 890 BOPD 0 BWPD
6052 MCFPD 6800 GCR

Completion Data:
OH Completion

9 5/8 " OD 40 lbs.
 Surf. Pipe set @
321 w/ 250 sx
 cmt. Circ? N/A
 Toc @ Surf by Calc

repaired casing leak @ 1150'
 w/440 sxs.

Subsequent Workover or Reconditioning:
9/40 - Set production packer @ 3650'

9/44 - Moved production packer to 3672'.

10/52 - Perf tubing @ 3599'.

1/57 - Acidized w/1250 gals 15%.

12/75 - Recompleted to Eumont Gas.
Set cmt rtn @ 3520' and
squeezed OH w/100 sxs. Perf
Eumont 3262 - 3495'. Acid-
ized and fraced.

Eumont Perfs
2652' to 3186'

Eumont Perfs
3262'-3495'

4/90 - Add Eumont Perfs 2652' - 3186'
Acidize w/2000 gals, frac
w/24500 gal + 32000 # sand.
Squeeze casing leak at 1150'
440 sxs. cmt to surface.

Cement rtn. @ 3520'

7 " OD
 Gr _____
24 # Csg set @
3572 ' w/ 250 sx
 Cmt. Circ? _____
 TOC @ 1904 by PS
Calc

Present Prod. _____ BOPD _____ BWPD
 _____ MCFPD _____ GOR
 _____ Date _____

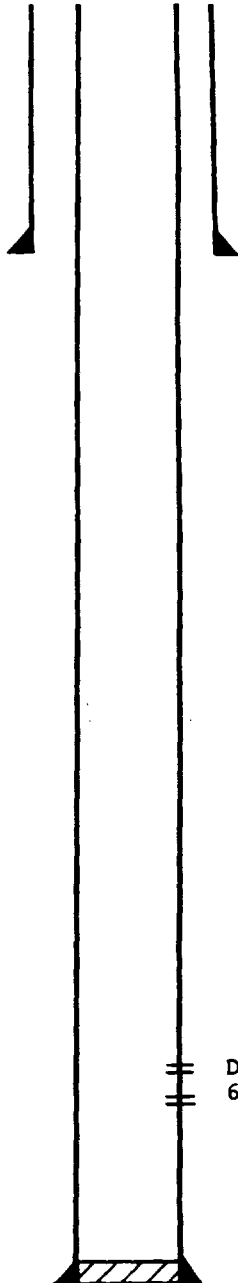
Remarks or Additional Data:
7" casing in 8 5/8" hole
9 5/8" i. 11 3/4" hole

PBD 3520 '

TD 3750 '

WELL DATA SHEET

LEASE Arco State 157-D WELL NO. 13 FIELD Drinkard DATE 11/28/88
LOCATION 1980 FEET FROM S LINE AND 330 FEET FROM E LINE
SECTION 12 TOWNSHIP 22-S RANGE 36-E COUNTY Lea STATE NM



GE: 3455 '
KDB to GE 10 '
DF to GE _____'

9 5/8 " OD _____ lbs.
Surf. Pipe set @ _____
1232 w/ 550 sx
Cmt. Circ? Yes

Drinkard Perfs
6516'-6628'

5 1/2 " OD
Gr K-55
15.5# Csg set @ _____
6750 ' w/ 3520 sx
Cmt. Circ? Yes
TOC @ _____ by TS

Date Completed 2/28/80
Initial Formation Drinkard
FROM: 6516 TO: 6628
Initial Production 184 BOPD 77 BWPD
nm MCFPD nm GOR

Completion Data:
Perf Drinkard 6516 - 6628'. Acidize & frac.

Subsequent Workover or Reconditioning:

Present Prod. _____ BOPD _____ BWPD
_____ MCFPD _____ GOR
_____ Date _____

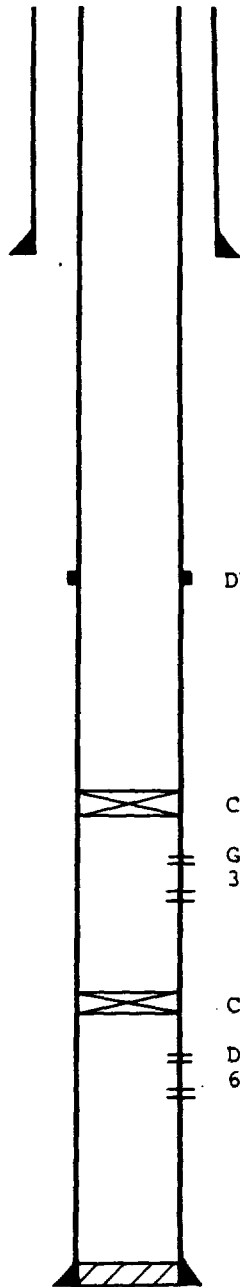
Remarks or Additional Data:
5 1/2" casing in 8 3/4" hole

PBD 6688 '

TD 6750 '

WELL DATA SHEET

LEASE Arco State 157-D WELL NO. 11 FIELD TA'd DATE 11/28/88
LOCATION 2123 FEET FROM S LINE AND 1644 FEET FROM E LINE
SECTION 12 TOWNSHIP 22-S RANGE 36-E COUNTY Lea STATE NM



GE: 3462 '
KDB to GE 10 '
DF to GE _____'

9 5/8 " OD 36 lbs.
Surf. Pipe set @
1209 w/ 550 sx
cmt. Circ? Yes

DV tool @ 3670'

CIBP @ 3604'

Grayburg Perfs
3640'-3786'

CIBP @ 6500'

Drinkard Perfs
6528'-6644'

5 1/2 " OD
Gr
15.5# Csg set @
6800 ' w/ 2025 sx
Cmt. Circ? Yes
TOC @ _____ by TS

Date Completed 12/23/79
Initial Formation Drinkard
FROM: 6528 TO: 6644
Initial Production 80 BOPD 110 BWPD
117 MCFPD 1463 GOR

Completion Data:
Perf Drinkard 6528 - 6644'. Acidize & frac.

Subsequent Workover or Reconditioning:
2/87 - Set CIBP @ 6500 w/35' cmt on top. Perf Grayburg 3640-3786' Acidized w/5800 gals. Produced 100% water.

8/87 - Set CIBP @ 3604'.

Present Prod. _____ BOPD _____ BWPD
_____ MCFPD _____ GOR
_____ Date _____

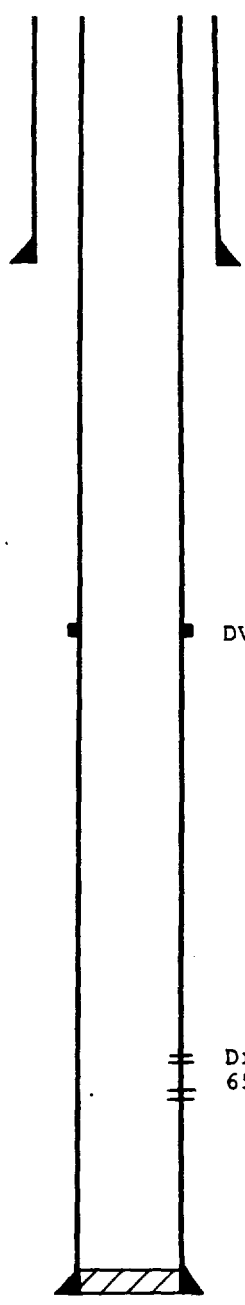
Remarks or Additional Data:
5 1/2" casing in 8 3/4" hole

PBD 3604 '

TD 6800 '

WELL DATA SHEET

LEASE Arco State 157-D WELL NO. 14 FIELD Drinkard DATE 11/28/88
LOCATION 1980 FEET FROM S LINE AND 2210 FEET FROM W LINE
SECTION 12 TOWNSHIP 22-S RANGE 36-E COUNTY Lea STATE NM



GE: 3475 '
KDB to GE 10 '
DF to GE _____'

9 5/8 " OD _____ lbs.
Surf. Pipe set @
1286 w/ 550 sx
cmt. Circ? Yes

Date Completed 3/3/80
Initial Formation Drinkard
FROM: 6527 TO: 6652
Initial Production 51 BOPD 124 BWPD
142 MCFPD 2784 GOR

Completion Data:
Perf Drinkard 6527 - 6652'. Acidize & frac.

Subsequent Workover or Reconditioning:

DV tool @ 3726'

Drinkard Perfs
6527'-6652'

5 1/2 " OD
Gr _____
Csg set @
6804 ' w/ 2750 sx
Cmt. Circ? Yes
TOC @ _____ by TS

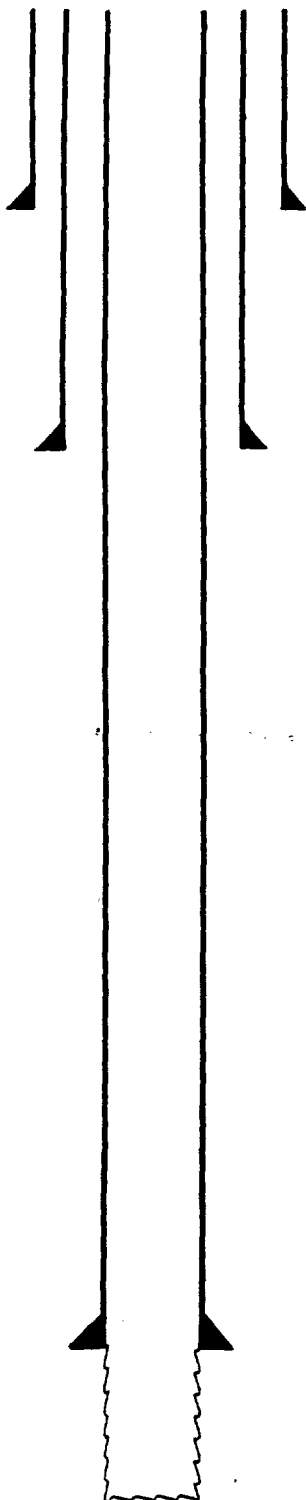
Present Prod. _____ BOPD _____ BWPD
_____ MCFPD _____ GOR
Date _____

Remarks or Additional Data:
5 1/2" casing in 8 3/4" hole

PBD 6745 '
TD 6804 '

WELL DATA SHEET

LEASE Arco State 157-D WELL NO. 1 FIELD Arrowhead DATE 11/28/88
LOCATION 2310 FEET FROM S LINE AND 330 FEET FROM W LINE
SECTION 12 TOWNSHIP 22-S RANGE 36-E COUNTY Lea STATE NM



GE: 3500 '
KDB to GE '
DF to GE 7 '

Date Completed 4/39
Initial Formation Grayburg
FROM: 3676 TO: 3776
Initial Production 600 BOPD 0 BWPD
nm MCFPD nm GOR

Completion Data:
OH Completion

13 " OD 40 lbs.
Surf. Pipe set @
269 ' w/ 250 sx
cmt. Circ? N/A
TOC @ Surf. by Cak.

9 5/8" OD 40 lbs.
Csg set at
1395 ' w/ 400 sx
Cmt. Circ? N/A
TOC at Surf ' by
TS Cak

Subsequent Workover or Reconditioning:
9/49 - Acidized w/1000 gals 15%.

10/86 - Shot open-hole. Acidized w/
4000 gals 15%.

Present Prod. _____ BOPD _____ BWPD
MCFPD _____ GOR
Date _____

7 " OD
Gr _____
24 # Csg set @
3676 ' w/ 250 sx
Cmt. Circ? No
TOC @ 2008 by TS
Cak

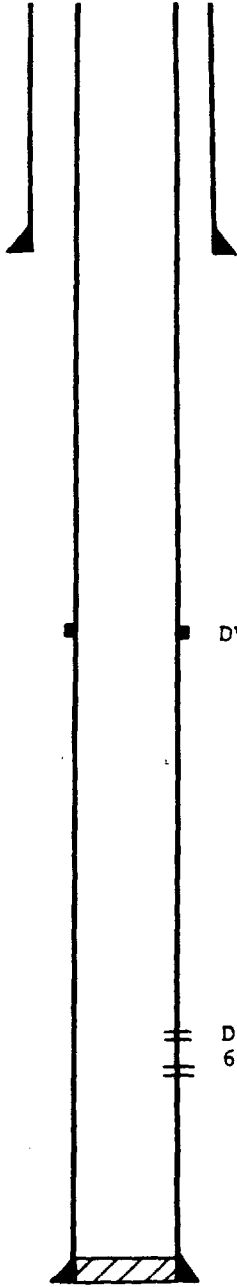
Remarks or Additional Data:

7" in 8 5/8" hole
13" in 15 1/2" hole
9 1/2" in 11 3/4" hole

WELL DATA SHEET

208

LEASE Arco State 157-D WELL NO. 15 FIELD Drinkard DATE 11/28/88
LOCATION 660 FEET FROM S LINE AND 940 FEET FROM W LINE
SECTION 12 TOWNSHIP 22-S RANGE 36-E COUNTY Lea STATE NM



GE: 3497 '
KDB to GE 10 '
DF to GE 7 '

Date Completed 5/3/80
Initial Formation Drinkard
FROM: 6619 TO: 6688
Initial Production 4 BOPD 38 BWPD
28 MCFPD 7000 GOR

Completion Data:
Perf Drinkard 6619 - 6688'. Acidize & frac.

9 5/8 " OD 36 lbs.
Surf. Pipe set @
1218 w/ 550 sx
Cmt. Circ? Yes

Subsequent Workover or Reconditioning:

DV tool @ 3692'

Drinkard Perfs
6619'-6688'

Present Prod. _____ BOPD _____ BWPD
_____ MCFPD _____ GOR
_____ Date _____

5 1/2 " OD
Gr K-55
15.5# Csg set @
6800 ' w/ 3810 sx
Cmt. Circ? _____
TOC @ 250 by CBL

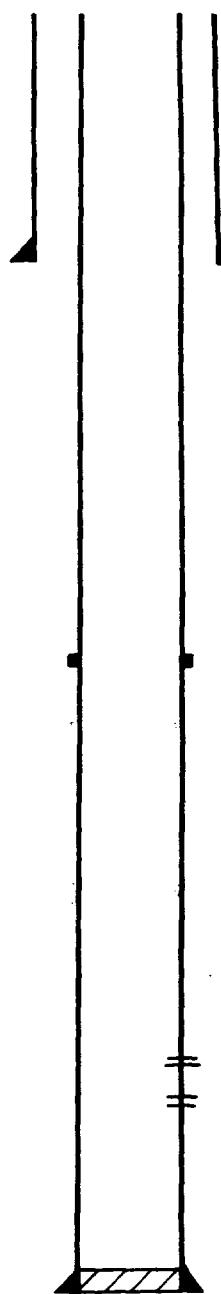
Remarks or Additional Data:
5 1/2" casing in 8 3/4" hole

PBD 6742 '

TD 6800 '

WELL DATA SHEET

LEASE Arco State 157-D WELL NO. 12 FIELD Drinkard DATE 11/28/88
LOCATION 660 FEET FROM S LINE AND 2310 FEET FROM W LINE
SECTION 12 TOWNSHIP 22-S RANGE 36-E COUNTY Lea STATE NM



GE: 3481 '
KDB to GE 10 '
DF to GE _____'

9 5/8 " OD 36 lbs.
Surf. Pipe set @
1220 w/ 550 sx
cmt. Circ? Yes

Date Completed 1/1/80
Initial Formation Drinkard
FROM: 6513 TO: 6659
Initial Production 99 BOPD 30 BWPD
264 MCFPD _____ GOR

Completion Data:
Perf Drinkard 6513 - 6659'. Acidize & frac.

Subsequent Workover or Reconditioning:

DV tool @ 3700'

Drinkard Perfs
6513'-6659'

5 1/2 " OD
Gr _____
Csg set @
6800 ' w/ 3445 sx
Cmt. Circ? Yes
TOC @ _____ by TS

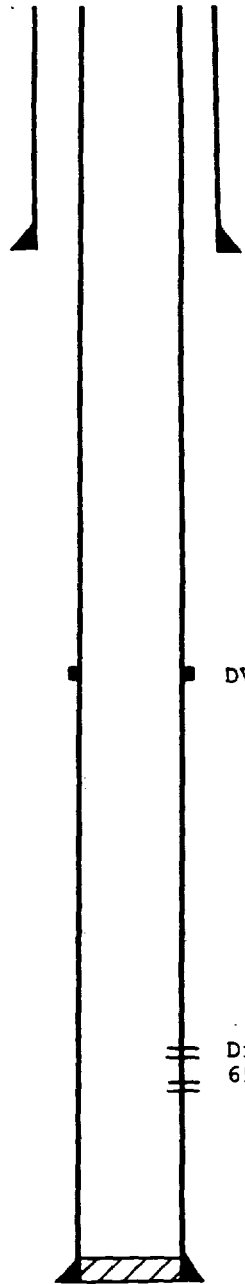
Present Prod. _____ BOPD _____ BWPD
_____ MCFPD _____ GOR
_____ Date _____

Remarks or Additional Data:
5 1/2" casing in 8 3/4" hole

PBD 6752 '
TD 6800 '

WELL DATA SHEET

LEASE Arco State 157-D WELL NO. 10 FIELD Drinkard DATE 11/28/88
LOCATION 660 FEET FROM S LINE AND 1650 FEET FROM E LINE
SECTION 12 TOWNSHIP 22-S RANGE 36-E COUNTY Lea STATE NM



GE: 3469 '
KDB to GE 13 '
DF to GE _____'

9 5/8 " OD 36 lbs.
Surf. Pipe set @
1220 w/ 600 sx
cmt. Circ? Yes

Date Completed 9/24/79
Initial Formation Drinkard
FROM: 6510 TO: 6656
Initial Production 168 BOPD 60 BWPD
193 MCFPD 1149 GOR

Completion Data:
Perf Drinkard 6510 - 6656'. Acidize & frac.

Subsequent Workover or Reconditioning:

DV tool @ 3773'

Drinkard Perfs
6510'-6656'

5 1/2 " OD
Gr K-55
15.5# Csg set @
6800 ' w/ 1475 sx
Cmt. Circ? No
TOC @ 1050 by TS

Present Prod. _____ BOPD _____ BWPD
_____ MCFPD _____ GOR
_____ Date

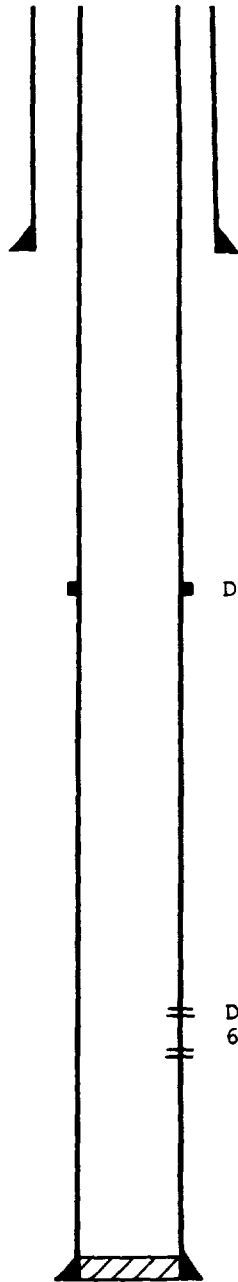
Remarks or Additional Data:
5 1/2" casing in 8 3/4" hole

PBD 6721 '

TD 6800 '

WELL DATA SHEET

LEASE Arco State 157-D WELL NO. 9 FIELD Drinkard DATE 11/28/88
LOCATION 660 FEET FROM S LINE AND 330 FEET FROM E LINE
SECTION 12 TOWNSHIP 22-S RANGE 36-E COUNTY Lea STATE NM



GE: 3444 '
KDB to GE 10 '
DF to GE _____'

9 5/8 " OD 40 lbs.
Surf. Pipe set @
1220 w/ 650 sx
cmt. Circ? Yes

Date Completed 2/19/79
Initial Formation Drinkard
FROM: 6490 TO: 6611
Initial Production 74 BOPD 136 BWPD
114 MCFPD 1541 GOR

Completion Data:
Perf Drinkard 6490 - 6611. Acidize & frac.

Subsequent Workover or Reconditioning:

DV tool @ 3708'

Drinkard Perfs
6490'-6611'

5 1/2 " OD
Gr _____
15.5# Csg set @
6793 ' w/ 2575 sx
Cmt. Circ? Yes
TOC @ _____ by TS

Present Prod. _____ BOPD _____ BWPD
_____ MCFPD _____ GOR
_____ Date _____

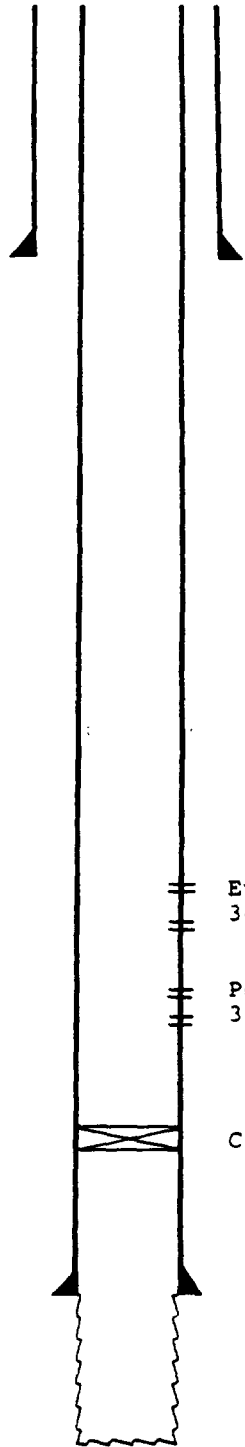
Remarks or Additional Data:
5 1/2" casing in 8 3/4" hole

PBD _____ '
TD 6793 '

WELL DATA SHEET

210

LEASE Marathon McDonald A/C 2 WELL NO. 11 FIELD Eumont Gas DATE 11/28/98
LOCATION 330 FEET FROM N LINE AND 330 FEET FROM E LINE
SECTION 13 TOWNSHIP 22-S RANGE 36-E COUNTY Lea STATE NM



GE: 3441 '
KDB to GE 11 '
DF to GE _____

9 5/8" OD 36 lbs.
Surf. Pipe set @
362 w/ 175 sx
cmt. Circ? N/A
Toe surf by calc

Date Completed 11/39
Initial Formation Grayburg
FROM: 3632 TO: 3735
Initial Production 912 BOPD 0 BWPD
705 MCFPD 773 GOR

Completion Data:
Openhole completion

Subsequent Workover or Reconditioning:
9/58 - PB to 3716' w/gravel & hydro-
mite. Dual w/Eumont. Set pkr
at 3610'. Perf Eumont 3458 -
96'.

11/22/63 - TA'd.

11/83 - Set CIBP @ 3592'. Perf
Penrose 3516 - 89'.

Eumont Perfs
3458'-3496'

Penrose Perfs
3516'-3589'

CIBP @ 3592'

7 " OD
Gr _____
24 # Csg set @
3632 ' w/ 300 sx
Cmt. Circ? _____
TOC @ 2458 by TS

Present Prod. _____ BOPD _____ BWPD
_____ MCFPD _____ GOR
_____ Date

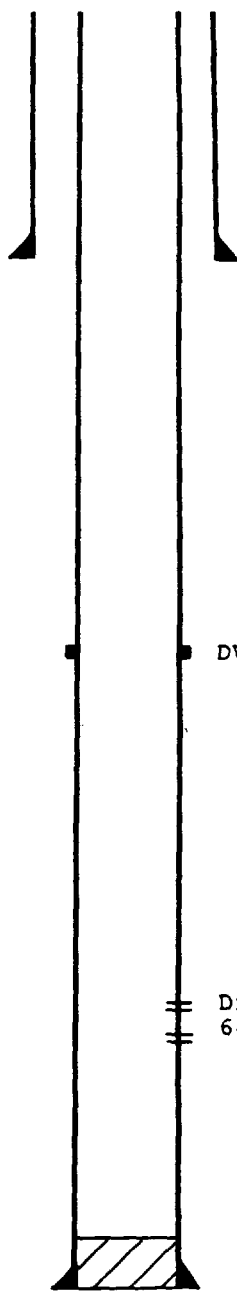
Remarks or Additional Data:

7" in 8 3/4" hole
9 5/8" in 11" hole

PBD 3592 '
TD 3735 '

WELL DATA SHEET

LEASE Marathon McDonald A/C 2 WELL NO. 30 FIELD Drinkard DATE 11/29/88
LOCATION 660 FEET FROM N LINE AND 330 FEET FROM E LINE
SECTION 13 TOWNSHIP 22-S RANGE 36-E COUNTY Lea STATE NM



GE: 3443 '
KDB to GE 11 '
DF to GE _____'

8 5/8" OD 24 lbs.
Surf. Pipe set @
1312 w/ 425 sx
cmt. Circ? Yes

DV tool @ 2779'

== Drinkard Perfs
== 6496'-6640'

5 1/2" OD
Gr K-55
17 # Csg set @
6761 ' w/ 1900 sx
Cmt. Circ? _____
TOC @ 2948/0 by CBL

Date Completed 7/78
Initial Formation Drinkard
FROM: 6496 TO: 6640
Initial Production 349 BOPD 683 BWPD
356 MCFPD 1020 GOR

Completion Data:
Perf Drinkard 6496 - 6640'. Fraced.

Subsequent Workover or Reconditioning:

Present Prod. _____ BOPD _____ BWPD
_____ MCFPD _____ GOR
Date _____

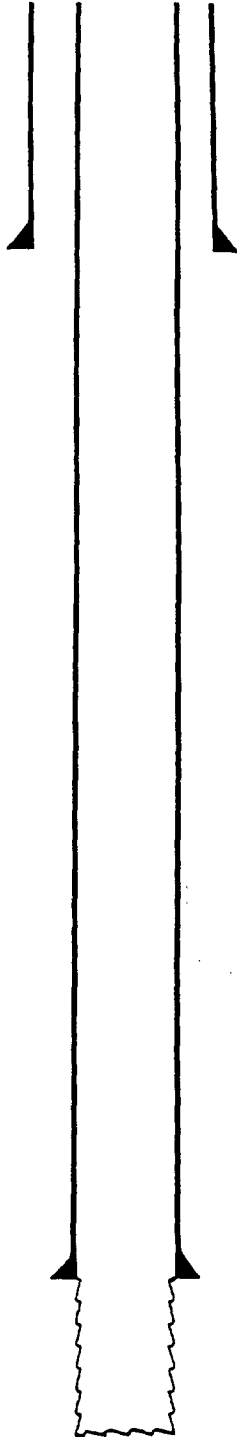
Remarks or Additional Data:
5 1/2" casing in 7 7/8" hole.

PBD 6651 '

TD 6761 '

WELL DATA SHEET

LEASE Marathon McDonald A/C 2 WELL NO. 12 FIELD Arrowhead DATE 11/28/88
LOCATION 330 FEET FROM N LINE AND 1650 FEET FROM E LINE
SECTION 13 TOWNSHIP 22-S RANGE 36-E COUNTY Lea STATE NM



GE: 3464 '
KDB to GE 12 '
DF to GE _____'

9 5/8" OD _____ lbs.
Surf. Pipe set @
338 w/ 150 sx
cmt. Circ? NIA
To e surf by calc

Date Completed 11/39
Initial Formation Grayburg
FROM: 3619 TO: 3760
Initial Production 1200 BOPD 0 BWPD
1000 MCFPD 833 GOR

Completion Data:
Acidized w/3000 gals 15%.

Subsequent Workover or Reconditioning:
4/7/73 - TA'd.

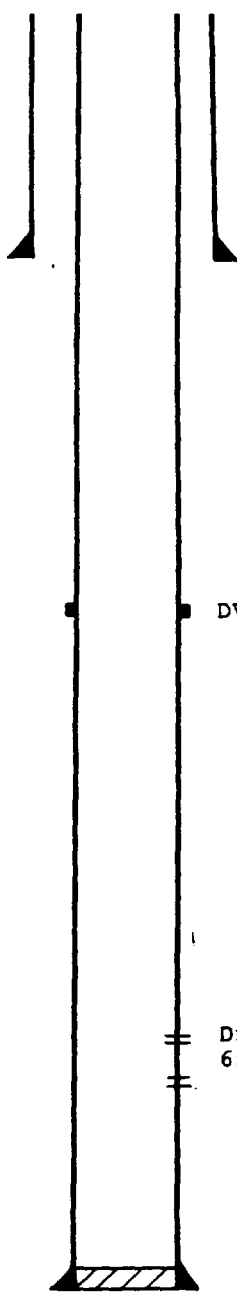
Present Prod. _____ BOPD _____ BWPD
_____ MCFPD _____ GOR
_____ Date _____

5 1/2" OD
Gr _____
15 # Csg set @
3619 ' w/ 600 sx
Cmt. Circ? No
TOC @ 607 by TS
Calc

Remarks or Additional Data:
5 1/2" casing in 8 1/8" hole.
9 5/8" in 11" hole

WELL DATA SHEET

LEASE Marathon McDonald A/C 2 WELL NO. 32 FIELD Drinkard DATE 11/29/88
LOCATION 660 FEET FROM N LINE AND 1650 FEET FROM E LINE
SECTION 13 TOWNSHIP 22-S RANGE 36-E COUNTY Lea STATE NM



GE: 3460 '
KDB to GE 11 '
DF to GE _____'

8 5/8" OD 24 lbs.
Surf. Pipe set @
1310 w/ 600 sx
cmt. Circ? Yes

DV Tool @ 3110'

Drinkard Perfs
6535'-6629'

5 1/2 " OD
Gr K-55
15.5# Csg set @
6750 ' w/ 2075 sx
Cmt. Circ? Yes
TOC @ 3266/0 by CBL

Date Completed 7/78
Initial Formation Drinkard
FROM: 6535 TO: 6629
Initial Production 108 BOPD 68 BWPD
nm MCFPD nm GOR

Completion Data:
Perf Drinkard 6535 - 6629'. Acidize.

Subsequent Workover or Reconditioning:
'80 - Acidize Drinkard.

4/81 - Fraced Drinkard

Present Prod. _____ BOPD _____ BWPD _____
_____ MCFPD _____ GOR _____
_____ Date _____

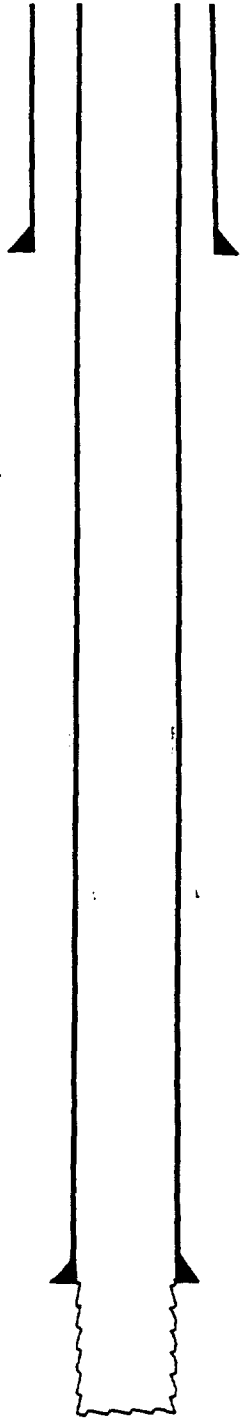
Remarks or Additional Data:
5 1/2" casing in 7 7/8" hole.

PBD 6702 '
TD 6750 '

WELL DATA SHEET

AGU 222 wt

LEASE Marathon McDonald A/C 2 WELL NO. 13 FIELD Arrowhead DATE 11/28/88
LOCATION 330 FEET FROM N LINE AND 2310 FEET FROM W LINE
SECTION 13 TOWNSHIP 22-S RANGE 36-E COUNTY Lea STATE NM



GE: 3481 '
KDB to GE _____ '
DF to GE 11 _____ '

9 5/8" OD 19.5 lbs.
Surf. Pipe set @
338 w/ 150 sx
cmt. Circ? N/A
TOC @ surf by Calc

5 1/2" OD
Gr _____
15.5# Csg set @
3641 ' w/ 600 sx
Cmt. Circ? No
TOC @ 629 by PS
Calc

Date Completed 1/40
Initial Formation Grayburg
FROM: 3641 TO: 3760
Initial Production 1080 BOPD 0 BWPD
552 MCFPD 511 GOR

Completion Data:
Openhole completion.

Subsequent Workover or Reconditioning:
'49 - Treated w/1000 gals 15% HCL.

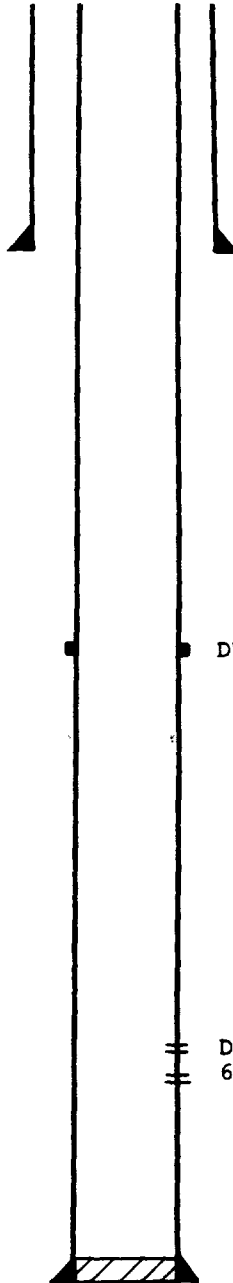
Present Prod. _____ BOPD _____ BWPD
_____ MCFPD _____ GOR
_____ Date _____

Remarks or Additional Data:
5 1/2" casing in 8 1/8" hole.
9 5/8" in 11 1/8" hole

PBD _____ '
TD 3760 _____ '

WELL DATA SHEET

LEASE Marathon McDonald A/C 2 WELL NO. 34 FIELD Drinkard DATE 11/29/88
LOCATION 660 FEET FROM N LINE AND 2310 FEET FROM W LINE
SECTION 13 TOWNSHIP 22-S RANGE 36-E COUNTY Lea STATE NM



GE: 3483 '
KDB to GE 13 '
DF to GE _____ '

8 5/8" OD 24 lbs.
Surf. Pipe set @
1320 w/ 570 sx
cmt. Circ? Yes

Date Completed 1/81
Initial Formation Drinkard
FROM: 6545 TO: 6605
Initial Production 74 BOPD 79 BWPD
50 MCFPD 676 GOR

Completion Data:
Perf Drinkard 6545 - 6605'. Acidize.
and frac.

Subsequent Workover or Reconditioning:

DV tool @ 2929'

Drinkard Perfs
6645'-6605'

5 1/2" OD
Gr K-55
15.5# Csg set @
6750' w/ 1975 sx
Cmt. Circ? Yes
TOC @ 3554/0 by CBL

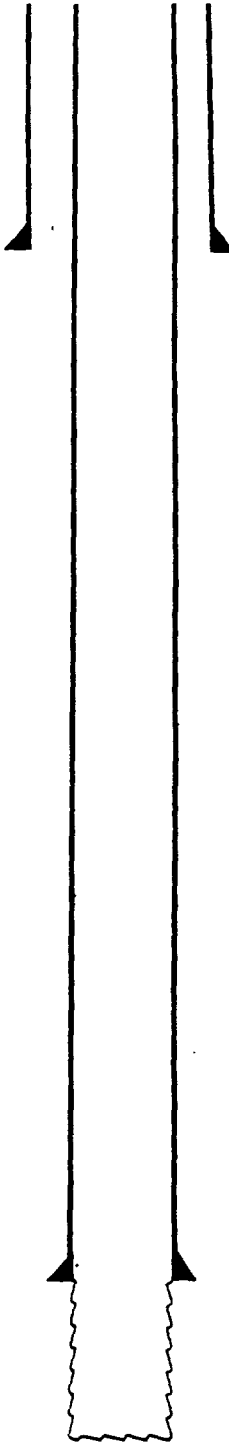
Present Prod. _____ BOPD _____ BWPD
_____ MCFPD _____ GOR
_____ Date

Remarks or Additional Data:
5 1/2" casing in 7 7/8" hole.

PBD 6714 '
TD 6750 '

WELL DATA SHEET

LEASE Marathon McDonald A/C 2 WELL NO. 14 FIELD Arrowhead DATE 11/28/88
LOCATION 330 FEET FROM N LINE AND 990 FEET FROM W LINE
SECTION 13 TOWNSHIP 22-S RANGE 36-E COUNTY Lea STATE NM



GE: 3497 '
KDB to GE _____ '
DF to GE 12 _____ '

9 5/8" OD 19.5 lbs.
Surf. Pipe set @
300 w/ 200 sx
cmt. Circ? N/A
TOC @ surf by calc

Date Completed 2/40
Initial Formation Grayburg
FROM: 3690 TO: 3800
Initial Production 96 BOPD 0 BWPD
100 MCFPD 1042 GOR

Completion Data:
Openhole completion.

Subsequent Workover or Reconditioning:

Present Prod. _____ BOPD _____ BWPD
_____ MCFPD _____ GOR
_____ Date _____

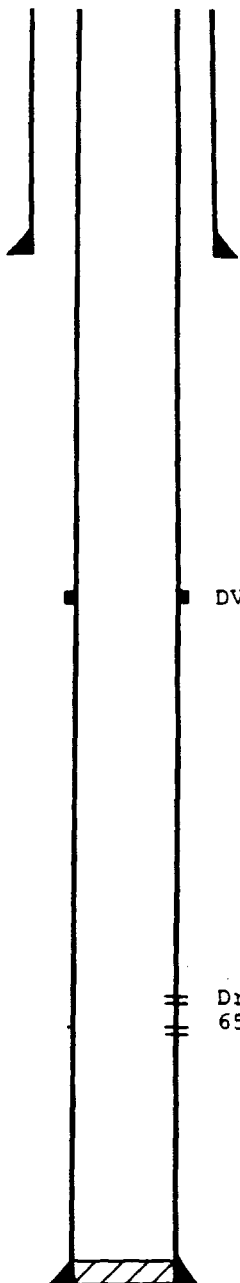
5 1/2" OD
Gr _____
15 # Csg set @
3690 ' w/ 600 sx
Cmt. Circ? NO
TOC @ 678 by T8
Calc

Remarks or Additional Data:
5 1/2" casing in 8 1/8" hole.
9 5/8" : 11" hole

PBD _____ '
TD 3800 _____ '

WELL DATA SHEET

LEASE Marathon McDonald A/C 2 WELL NO. 31 FIELD Drinkard DATE 11/29/88
LOCATION 1800 FEET FROM N LINE AND 1650 FEET FROM E LINE
SECTION 13 TOWNSHIP 22-S RANGE 36-E COUNTY Lea STATE NM



GE: 3471 '
KDE to GE 11 '
DF to GE _____'

8 5/8" OD 24 lbs.
Surf. Pipe set @
1320 w/ 425 sx
cmt. Circ? Yes

DV tool @ 3078'

Drinkard Perfs
6538'-6654'

5 1/2" OD
Gr K-55
15.5# Csg set @
6798 ' w/ 1925 sx
Cmt. Circ? Yes
TOC @ 3176/0 by CBL

Date Completed 7/78
Initial Formation Drinkard
FROM: 6538 TO: 6654
Initial Production 149 BOPD 33 BWPD
100 MCFPD 671 GOR

Completion Data:
Perf Drinkard 6538 - 6654'. Acidize
& frac.

Subsequent Workover or Reconditioning:

Present Prod. _____ BOPD _____ BWPD
_____ MCFPD _____ GOR
_____ Date _____

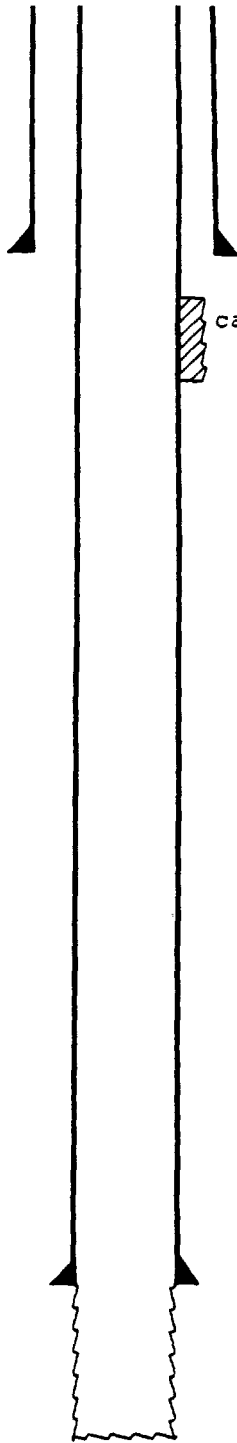
Remarks or Additional Data:
5 1/2" casing in 7 7/8" hole.

PBD 6742 '
TD 6800 '

WELL DATA SHEET

226

LEASE Marathon McDonald A/C 2 WELL NO. 17 FIELD TA'd DATE 11/28/88
LOCATION 1650 FEET FROM N LINE AND 330 FEET FROM E LINE
SECTION 13 TOWNSHIP 22-S RANGE 36-E COUNTY Lea STATE NM



GE: 3451 '
KDB to GE 12 '
DF to GE 11 '

Date Completed 5/40
Initial Formation Grayburg
FROM: 3627 TO: 3760
Initial Production 1048 BOPD 0 BWPD
4688 MCFPD 4473 GOR

Completion Data:
Openhole completion.

9 5/8" OD 19.5 lbs.
Surf. Pipe set @
334 w/ 125 sx
cmt. Circ? N/A
TOC @ surf by Calc

casing leak @ 900'

Subsequent Workover or Reconditioning:
'49 - Acidized w/1000 gals 20% HCL.

'49 - Deepened to 3779'. Attempted
to squeeze casing leak @ 900'.
Unsuccessful.

11/12/74 - TA'd.

3/14/84 - Planned to recomplete to
Penrose. Left junk in hole

4 1/2" OD
Gr
9.5 # Csg set @
3627' w/ 200 sx
Cmt. Circ? _____
TOC @ _____ by TS

Present Prod. _____ BOPD _____ BWPD
_____ MCFPD _____ GOR
Date _____

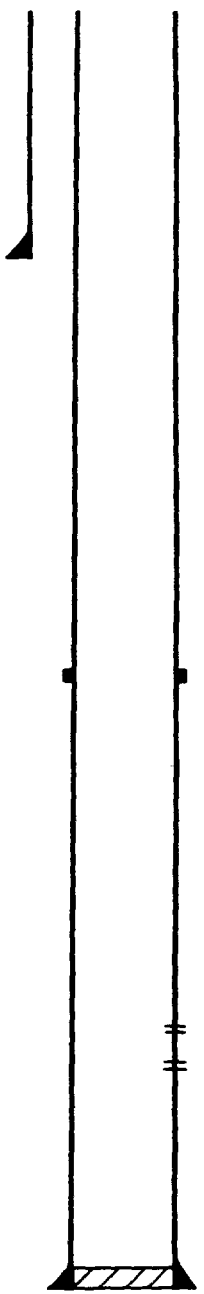
Remarks or Additional Data:
Junk in hole - 1760' rods, 3760' tbq
and pkr. All stuck.
4 1/2" in 6 3/4" hole
9 5/8" in 11 3/4" hole

PBD _____ '
TD 3779 '

WELL DATA SHEET

226

LEASE Marathon McDonald A/C 2 WELL NO. 29 FIELD Drinkard DATE 11/29/88
LOCATION 1800 FEET FROM N LINE AND 330 FEET FROM E LINE
SECTION 13 TOWNSHIP 22-S RANGE 36-E COUNTY Lea STATE NM



GE: 3452 '
KDB to GE 10 '
DF to GE _____ '

8 5/8" OD 24 lbs.
Surf. Pipe set @
1305 w/ 500 sx
cmt. Circ? Yes

Date Completed 5/78
Initial Formation Drinkard
FROM: 6485 TO: 6653
Initial Production 354 BOPD 5 BWPD
375 MCFPD 1059 GOR

Completion Data:
Perf Drinkard 6485 - 6653'. Acidized

Subsequent Workover or Reconditioning:
12/82 - Fraced Drinkard.

DV Tool @ 3120'

Drinkard Perfs
6485'-6653'

5 1/2" OD
Gr K-55
15.5# Csg set @
6710 ' w/ 2595 sx
Cmt. Circ? Yes
TOC @ 3418/0 by CBL

Present Prod. _____ BOPD _____ BWPD
_____ MCFPD _____ GOR
Date _____

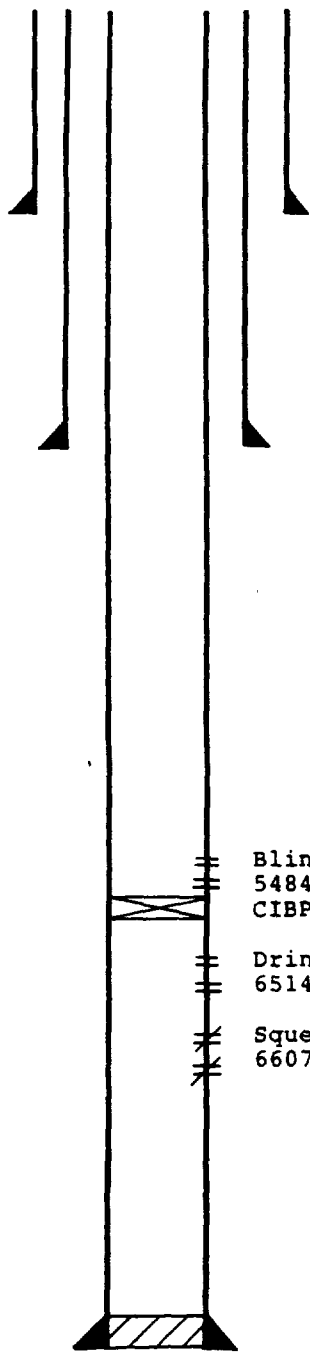
Remarks or Additional Data:
5 1/2" casing in 7 7/8" hole.

PBD 6672 '

TD 6710 '

WELL DATA SHEET

LEASE Marathon McDonald A/C 2 WELL NO. 33 FIELD Blinebry (SI) DATE 11/22/88
LOCATION 2160 FEET FROM S LINE AND 330 FEET FROM E LINE
SECTION 13 TOWNSHIP 22-S RANGE 36-E COUNTY Lea STATE NM



GE: 3446 '
KDB to GE 11 '
DF to GE _____'

9 5/8" OD 32 lbs.
Surf. Pipe set @
1300 w/ 800 sx
Cmt. Circ? Yes

7 " OD 23 lbs.
Csg set at
4724 ' w/ 500 sx
Cmt. Circ? Yes
TOC at _____' by
TS

Blinebry Perfs
5484'-5629'
CIBP @ 6018'

Drinkard Perfs
6514-6544'

Squeezed Drinkard Perfs
6607'-6617'

4 1/2" OD
Gr K-55
10.5# Csg set @
6750 ' w/ 450 sx
Cmt. Circ? No
TOC @ 1120 by CBL

Date Completed 1/79
Initial Formation Drinkard
FROM: 6514 TO: 6617
Initial Production _____ BOPD _____ BWPD
_____ MCFPD _____ GOR

Completion Data:
Perf Drinkard 6607 - 6617. Acidized.
Squeezed. Perf 6514 - 44'. Acidized.
Left TA'd.

Subsequent Workover or Reconditioning:
10/18/82 - Set CIBP @ 6018'. Perf
Blinebry 5484 - 5629'.
Acidized w/2000 gals.

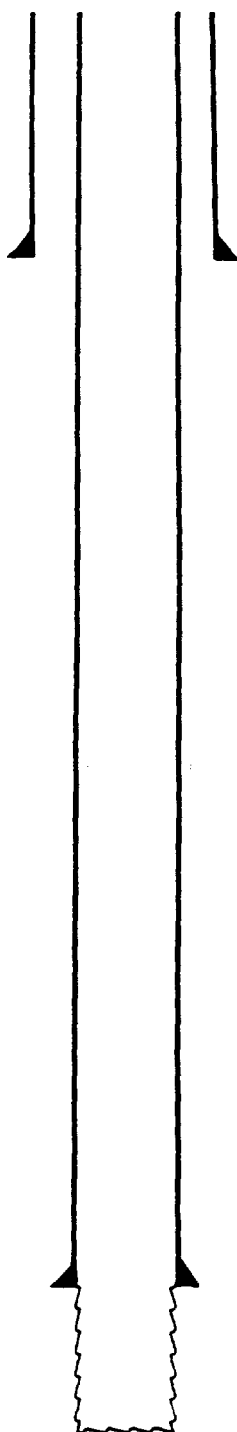
Present Prod. _____ BOPD _____ BWPD
_____ MCFPD _____ GOR
_____ Date _____

Remarks or Additional Data:
4 1/2" in 6 1/4" hole.

PBD 6018 '
TD 6750 '

WELL DATA SHEET

LEASE Marathon McDonald A/C 2 WELL NO. 22 FIELD TA'd DATE 11/28/88
LOCATION 2310 FEET FROM S LINE AND 1650 FEET FROM E LINE
SECTION 13 TOWNSHIP 22-S RANGE 36-E COUNTY Lea STATE NM



GE: 3463 '
KDB to GE 10 '
DF to GE _____

8 5/8" OD 32 lbs.
Surf. Pipe set @
322 w/ 150 sx
cmt. Circ? N/A
TOC @ Surf by Calc

Date Completed 5/41
Initial Formation Grayburg
FROM: 3724 TO: 3756
Initial Production 616 BOPD 0 BWPD
260 MCFPD 422 GOR

Completion Data:
Openhole completion.

Subsequent Workover or Reconditioning:
8/48 - Deepened to 3781'. Acidized
w/1000 gals. Squeezed form-
ation w/plastic. Drilled out
to 3781'. Put on pump.

5/55 - Pulled rods & pump. TA'd.

Present Prod. _____ BOPD _____ BWPD
_____ MCFPD _____ GOR
_____ Date _____

4 1/2" OD
Gr _____
9.5 # Csg set @
3724 ' w/ 150 sx
Cmt. Circ? No
TOC @ 2840 by PS
Calc

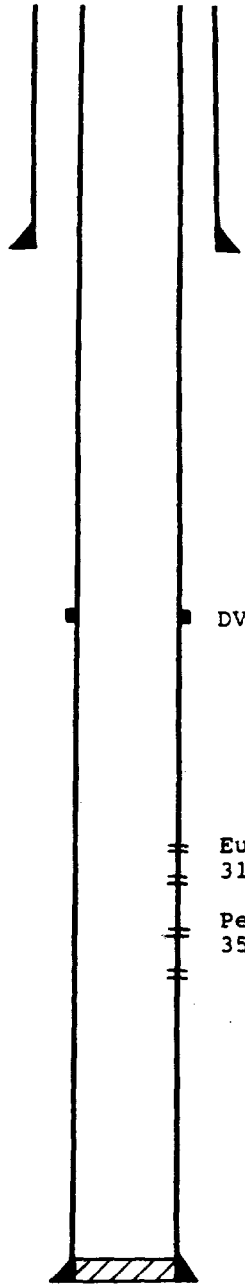
Remarks or Additional Data:
4 1/2" casing in 7' hole.
8 5/8" in 11" hole

PBD _____ '
TD 3781 '

LEASE Marathon McDonald A/C 2 WELL NO. 26 FIELD Eumont DATE 11/29/88

LOCATION 1980 FEET FROM S LINE AND 1980 FEET FROM E LINE

SECTION 13 TOWNSHIP 22-S RANGE 36-E COUNTY Lea STATE NM



GE: 3468 '
KDB to GE 12 '
DF to GE _____'

9 5/8" OD 32.3 lbs.
Surf. Pipe set @
351 w/ 250 sx
cmt. Circ? Yes

DV Tool @ 2996'

Eumont Perfs
3186'-3440'

Penrose Perfs
3528'-3594'

5 1/2 " OD
Gr
15.5# Csg set @
3704 ' w/ 1320 sx
Cmt. Circ? No
TOC @ 320 by TS

Date Completed 12/57
Initial Formation Eumont
FROM: 3186 TO: 3440
Initial Production 0 BOPD 0 BWPD
642 MCFPD _____ GOR

Completion Data:
Perf Eumont 3186 - 3440'. Acidize
and frac. w/500 gals acid, 20,000
gals oil w/1# spg.

Tested Penrose through perfs 3528'-
3594'. Set CIBP @ 3473'.

Subsequent Workover or Reconditioning:
8/83 - Opened upper Penrose perfs
3528 - 3594 by drilling out
CIBP @ 3473'. Acidize w/3000
gals 15% HCL. Downhole com-
mingle Eumont & Penrose.

Present Prod. _____ BOPD _____ BWPD
_____ MCFPD _____ GOR
_____ Date

Remarks or Additional Data:
5 1/2" casing in 7 7/8" hole.

PBD 3636 '

TD 3705 '

LEASE Arco McDonald State WN WELL NO. 21 FIELD Jalmat DATE 11/29/88
LOCATION 330 FEET FROM N LINE AND 330 FEET FROM E LINE
SECTION 24 TOWNSHIP 22-S RANGE 36-E COUNTY Lea STATE NM

GE: 3436 '
KDB to GE _____ '
DF to GE 5 _____ '

Date Completed 4/41
Initial Formation Grayburg
FROM: 3503 TO: 3716
Initial Production 348 BOPD 0 BWPD
188 MCFPD 540 GOR

Completion Data:
Acidized w/1000 gals.

8 5/8" OD 29.4 lbs.
Surf. Pipe set @
336 w/ 150 sx
cmt. Circ? N/A
TOC e surf by calc

Squeezed casing leaks
@ 560'-600' & 710'-800'
through perf @ 815'
w/ 155 sxs.

Subsequent Workover or Reconditioning:
9/60 - Recompleted to Jalmat. Set
CIBP @ 3310' w/1 sx cmt on
top. Found casing leaks 560-
600 & 710 - 800'. Perfed csg
@ 815'. Cemented w/80 sxs.
No circulation. Squeezed w/75
sxs. Perf Jalmat 2720 - 3270'
Frac w/27,000 gals & 27,000
#'s sand.

12/73 - Acidized w/1000 gals 15%.

Jalmat Perfs
2720'-3270'

CIBP @ 3310'

4 1/2" OD
Gr _____
9.5 # Csg set @
3503' w/ 150 sx
Cmt. Circ? No
TOC @ 2480 by CBL

Present Prod. _____ BOPD _____ BWPD
_____ MCFPD _____ GOR
Date _____

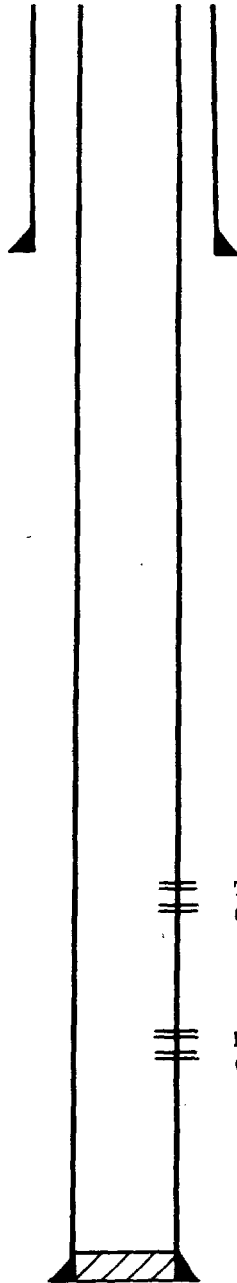
Remarks or Additional Data:
4 1/2" casing in 7" hole.
8 5/8" in 11" hole

PBD 3310 '

TD 3716 '

WELL DATA SHEET

Chevron
LEASE H.T. Mattern (NCT-D) WELL NO. 9 FIELD Tubb/Drinkard DATE 11/23/88
LOCATION 810 FEET FROM N LINE AND 660 FEET FROM W LINE
SECTION 6 TOWNSHIP 22-S RANGE 37-E COUNTY Lea STATE NM



GE: 3467 '
KDB to GE 11 '
DF to GE _____'

8 5/8" OD 24 lbs.
Surf. Pipe set @
1186 w/ 585 sx
cmt. Circ? Yes

Date Completed 11/20/74
Initial Formation Drinkard
FROM: 6436 TO: 6674
Initial Production 106 BOPD 106 BWPD
nm MCFPD nm GOR

Completion Data:
Perf Drinkard 6436 - 6674'. Fraced.

Subsequent Workover or Reconditioning:
9/7/82 - Set CIBP @ 6350'. Perf Tubb
6146 - 6306'. Acidize &
frac.

8/19/85 - Knock CIBP to bottom of
hole. Downhole commingle
Tubb & Drinkard. Acidized.

== Tubb Perfs
== 6146'-6306'

== Drinkard Perfs
== 6436'-6674'

Present Prod. _____ BOPD _____ BWPD
_____ MCFPD _____ GOR
_____ Date

5 1/2" OD
Gr _____
14, 15.5 & 17# Csg set @
6800' w/ 725 sx
Cmt. Circ? No
TOC @ 2360 by TS

Remarks or Additional Data:
5 1/2" casing in 7 7/8" hole

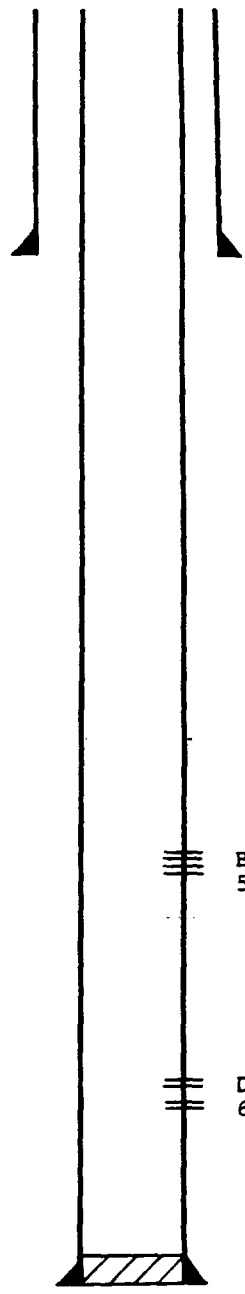
CIBP @ bottom of hole

PBD 6767 '

TD 6800 '

WELL DATA SHEET

Chevron
LEASE H.T. Mattern (NCT-D) WELL NO. 8 FIELD Blinebry/Drinkard DATE 11/23/88
LOCATION 1980 FEET FROM N LINE AND 660 FEET FROM W LINE
SECTION 6 TOWNSHIP 22-S RANGE 37-E COUNTY Lea STATE NM



GE: 3467 '
KDB to GE 11.6 '
DF to GE _____'

8 5/8" OD 24 lbs.
Surf. Pipe set @
1169 w/ 600 sx
cmt. Circ? Yes

Date Completed 7/15/74
Initial Formation Drinkard
FROM: 6520 TO: 6716
Initial Production 135 BOPD 52 BWPD
nm MCFPD nm GOR

Completion Data:
Perf 6520 - 6716'. Fraced.

Subsequent Workover or Reconditioning:
6/21/76 - Perf Blinebry 5498 - 5714'
Acidized and fraced.
Downhole commingled.

≡≡≡ Blinebry Perfs
5498'-5714'

≡≡≡ Drinkard Perfs
6520'-6716'

5 1/2" OD
Gr K-55
15.5# Csg set @
6820 ' w/ 735 sx
Cmt. Circ? No
TOC @ 2310 by TS

Present Prod. _____ BOPD _____ BWPD
_____ MCFPD _____ GOR
_____ Date

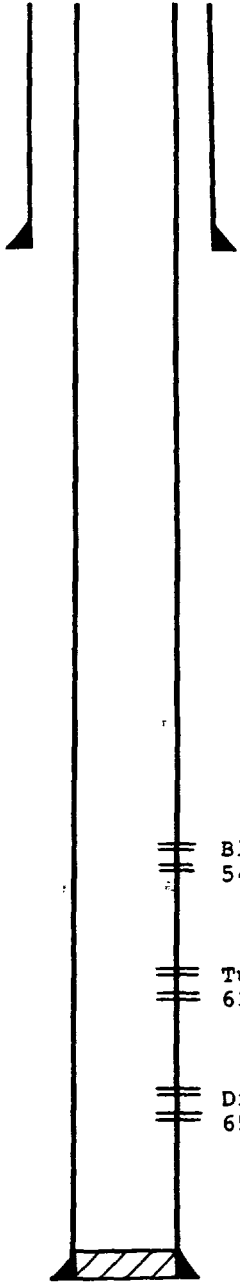
Remarks or Additional Data:
5 1/2" casing in 7 7/8" hole

PBD 6786 '

TD 6820 '

WELL DATA SHEET

Chevron H.T.
LEASE Mattern (NCT-D) WELL NO. 12 FIELD Blinebry/Tubb/Drinkard DATE 11/23/88
LOCATION 2310 FEET FROM S LINE AND 1860 FEET FROM W LINE
SECTION 6 TOWNSHIP 22-S RANGE 37-E COUNTY Lea STATE NM



GE: 3454 '
KDB to GE 11 '
DF to GE _____ '

8 5/8" OD 24 lbs.
Surf. Pipe set @
1188 w/ 450 sx
cmt. Circ? Yes

Date Completed 7/31/75
Initial Formation Drinkard
FROM: 6548 TO: 6657
Initial Production 110 BOPD 140 BWPD
nm MCFPD nm GOR

Completion Data:
Perf Drinkard 6548 - 6657'. Acidized and fraced.

Subsequent Workover or Reconditioning:
10/20/76 - Acidized Drinkard.

11/14/78 - Set CIBP @ 6450'. Perf Tubb 6229 - 6344'. Acidized and fraced.

8/10/79 - Drilled out CIBP. Downhole commingle Tubb & Drinkard.

8/13/82 - Set CIBP @ 6100'. Perf Blinebry 5478 - 5706'. Acidized and fraced.

5/25/83 - Knocked CIBP to bottom of hole. Acidized. Downhole commingled Blinebry/Tubb/Drinkard.

1/7/88 - Dump acid w/1000 gals.

== Blinebry Perfs
== 5478'-5706'

== Tubb Perfs
== 6229'-6344'

== Drinkard Perfs
== 6548'-6657'

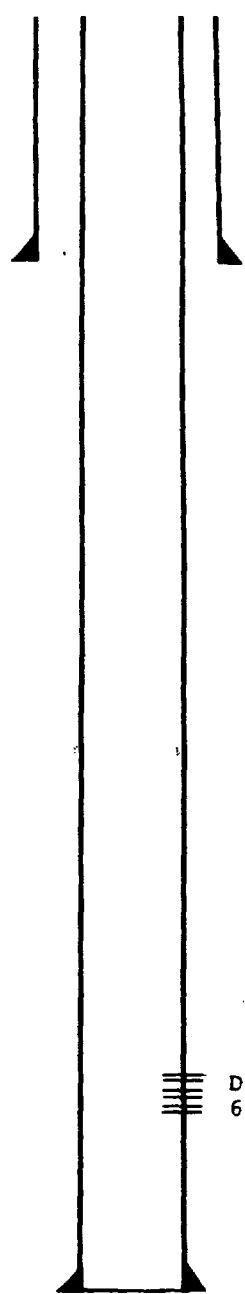
Present Prod. _____ BOPD _____ BWPD
_____ MCFPD _____ GOR
Date _____

5 1/2" OD
Gr K-55
15.5 # Csg set @
6800 w/ 700 sx
Cmt. Circ? No
TOC @ 2440 by TS

Remarks or Additional Data:
5 1/2" casing in 7 7/8" hole

WELL DATA SHEET

LEASE Martindale Pan Cana Fed WELL NO. 2 FIELD Drinkard DATE 11/22/88
LOCATION 1755 FEET FROM S LINE AND 990 FEET FROM W LINE
SECTION 6 TOWNSHIP 22-S RANGE 37-E COUNTY Lea STATE NM



GE: 3463.6 '
KDB to GE 12.5 '
DF to GE _____'

8 5/8" OD 24 lbs.
Surf. Pipe set @
1091 w/ 425 sx
cmt. Circ? Yes

Drinkard Perfs
6493'-6680'

5 1/2" OD
Gr _____
17 #20# Csg set @
6814 w/ 2615 sx
Cmt. Circ? Yes
TOC @ _____ by TS

Date Completed 6/8/77
Initial Formation Drinkard
FROM: 6493 TO: 6680
Initial Production 50 BOPD 35 BWPD
60 MCFPD 1200 GOR

Completion Data:
Perf Drinkard 6493 - 6680. Acidize and frac.

Subsequent Workover or Reconditioning:
3/18/80 - Acidized Drinkard w/3500 gals 15%.

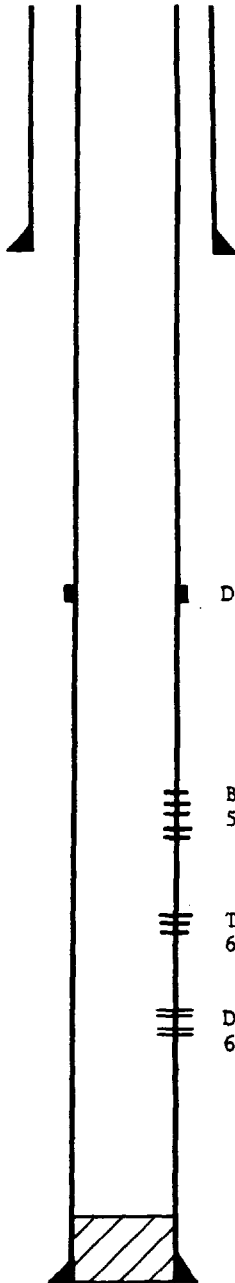
Present Prod. _____ BOPD _____ BWPD
_____ MCFPD _____ GOR
Date _____

Remarks or Additional Data:
5 1/2" in 7 7/8" hole

PBD 6766 '
TD 6783 '

WELL DATA SHEET

LEASE Martindale Pan Cana Fed WELL NO. 1 FIELD Drinkard DATE 11/22/88
LOCATION 660 FEET FROM S LINE AND 990 FEET FROM W LINE
SECTION 6 TOWNSHIP 22-S RANGE 37-E COUNTY Lea STATE NM



GE: 3456 '
KDB to GE 11 '
DF to GE _____ '

8 5/8" OD 24 lbs.
Surf. Pipe set @
1092 w/ 650 sx
cmt. Circ? Yes

Date Completed 12/22/76
Initial Formation Drinkard
FROM: 6462 TO: 6654
Initial Production 97 BOPD 288 BWPD
nm MCFPD nm GOR

Completion Data:
Perf Drinkard 6462 - 6654. Acidize and frac.

Subsequent Workover or Reconditioning:
7/19/78 - Acidized w/2000 gals 15%.

6/87 - Perf Blinebry 5460-5988, acidize and frac.

1/88 - Perf Tubb 6275- 6383', acidize w/2500 gals. Perf Blinebry 5868 - 5938', acidize and frac. Down-hole comingle.

DV Tool @ 2560'

Blinebry Perfs
5460' - 5988'

Tubb Perfs
6275' - 6383'

Drinkard Perfs
6462'-6654'

5 1/2 " OD
Gr K-55
17 #20# Csg set @
6783 w/ 2550 sx
Cmt. Circ? Yes
TOC @ _____ by TS

Present Prod. _____ BOPD _____ BWPD
MCFPD _____ GOR
Date _____

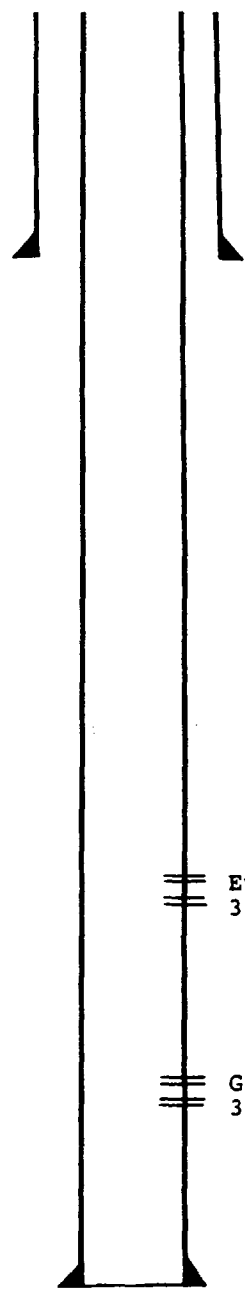
Remarks or Additional Data:
5 1/2" in 7 7/8" hole

PBD 6735 '

TD 6814 '

WELL DATA SHEET

LEASE Meridian Elliott WELL NO. 1 FIELD Eumont DATE 11/22/88
LOCATION 330 FEET FROM S LINE AND 610 FEET FROM W LINE
SECTION 6 TOWNSHIP 22-S RANGE 37-E COUNTY Lea STATE NM



GE: 3459'
KDB to GE 8'
DF to GE _____'

Date Completed 2/16/45
Initial Formation Grayburg
FROM: 3705 TO: 3722
Initial Production _____ BOPD _____ BWPD
_____ MCFPD _____ GOR

Completion Data:
Not available.

8 5/8" OD _____ lbs.
Surf. Pipe set @
1056 w/ 575 sxs.
cmt. Circ? Yes

Subsequent Workover or Reconditioning:
3/5/52 - Acidized w/1000 gals 15%.

10/56 - Perfed Queen 3468 - 3530'.
Dual complete.

1980? - TA'd Grayburg.

Eumont Perfs
3468'-3530'

Grayburg Perfs
3705'-3722'

Present Prod. _____ BOPD _____ BWPD
_____ MCFPD _____ GOR
Date _____

5 1/2" OD
Gr _____

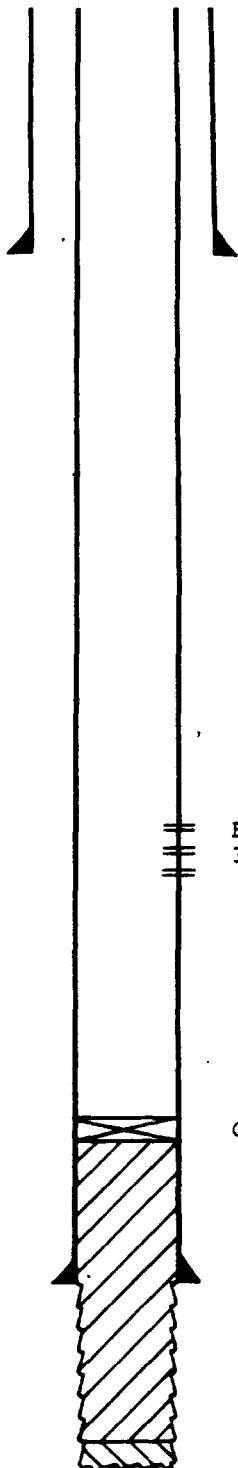
Csg set @
3723' w/ 300 sx
Cmt. Circ? No
TOC @ 2123 by DS
Calc

Remarks or Additional Data:

5 1/2" casing assumed in 7/8" hole

WELL DATA SHEET

LEASE Chevron H.T. Mattern (NCT-D) WELL NO. 6 FIELD Eumont Gas DATE 11/23/88
LOCATION 660 FEET FROM S LINE AND 1980 FEET FROM W LINE
SECTION 6 TOWNSHIP 22-S RANGE 37-E COUNTY Lea STATE NM



GE: 3459 '
KDB to GE 11 '
DF. to GE 10 '

9 5/8" OD 40 & 25 #
Surf. Pipe set @
318 w/ 200 sx
cmt. Circ? Yes

Eumont Perfs
3168'-3596'

Cmt. rtn. @ 3620'

5 1/2" OD
Gr H-40
14 # Csg set @
3655 ' w/ 550 sx
Cmt. Circ? No
TOC @ 2315 by TS

Date Completed 6/24/48
Initial Formation Grayburg
FROM: 3655 TO: 3745
Initial Production 40 BOPD 0 BWPD
157 MCFPD 3925 GOR

Completion Data:
Acidized w/1000 gals.

Subsequent Workover or Reconditioning:
11/11/56 - PB to 3722' w/24 gals
hydromite. Fraced w/8000
gals gelled oil w/1 #
spg. Installed pump.

1/3/57 - Set cmt rtn at 3620 and
squeezed open hole w/103
sxs. Perf Eumont 3168-3596'
Acidized and fraced.

5/19/65 - Acidized Eumont.

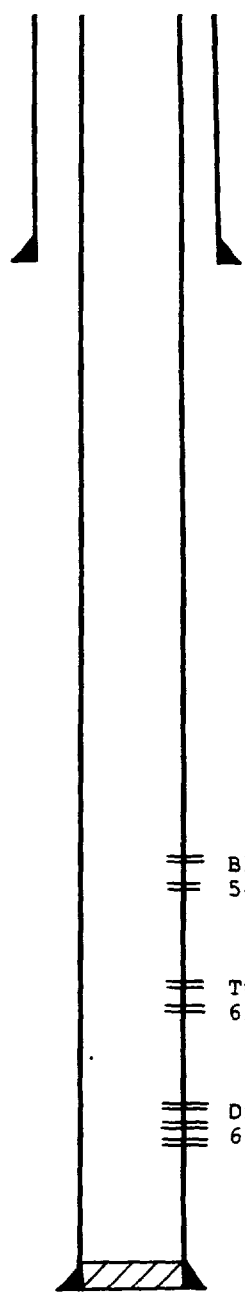
Present Prod. _____ BOPD _____ BWPD
_____ MCFPD _____ GOR
_____ Date

Remarks or Additional Data:
5 1/2" casing in 7 7/8" hole
4 3/4" open hole

PBD 3620 '
TD 3745 '

WELL DATA SHEET

Chevron H.T.
LEASE Mattern (NCT-D) WELL NO. 13 FIELD Blinebry/Tubb/Drinkard DATE 11/23/88
LOCATION 810 FEET FROM S LINE AND 1930 FEET FROM W LINE
SECTION 6 TOWNSHIP 22-S RANGE 37-E COUNTY Lea STATE NM



GE: 3457 '
KDB to GE 14 '
DF to GE _____'

8 5/8" OD 24 lbs.
Surf. Pipe set @
1149 w/ 300 sx
cmt. Circ? Yes

Date Completed 8/20/75
Initial Formation Drinkard
FROM: 6484 TO: 6660
Initial Production 110 BOPD 160 BWPD
nm MCFPD nm GOR

Completion Data:
Perf Drinkard 6484 - 6660'. Acidized and fraced.

Subsequent Workover or Reconditioning:
12/11/80 - Set CIBP @ 6450'. Perf Tubb 6276 - 6327'. Acidize & frac.

6/4/81 - Knocked CIBP to 6675'. Down hole commingle Tubb & Drinkard.

6/28/82 - Set CIBP @ 6100. Perf Blinebry 5462 - 5640'. Acidized & fraced (TA Tubb/Drinkard.

6/21/83 - Knocked CIBP to 6670'. Downhole commingle Blinebry, Tubb & Drinkard. Acidize.

== Blinebry Perfs
== 5462'-5640'

== Tubb Perfs
== 6276'-6327'

== Drinkard Perfs
== 6484'-6660'

5 1/2" OD
Gr K-55
15.5 # Csg set @
6712 w/ 750 sx
Cmt. Circ? No
TOC @ 2230 by TS

Present Prod. _____ BOPD _____ BWPD _____
_____ MCFPD _____ GOR _____
_____ Date _____

Remarks or Additional Data:
5 1/2" casing in 7 7/8" hole

PBD 6686 '
TD 6715 '

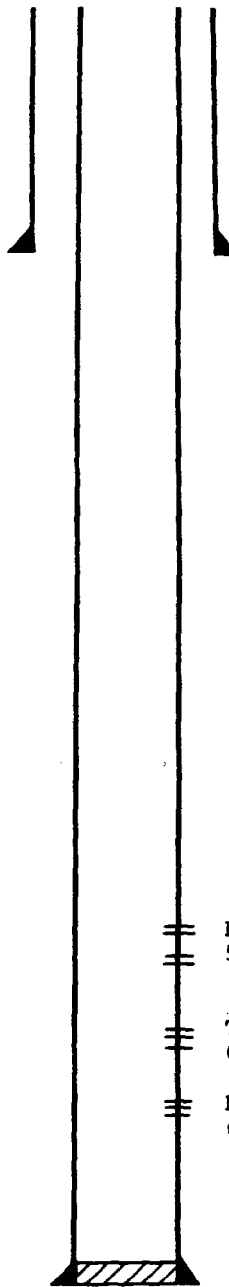
WELL DATA SHEET

Blinebry/
Tubb/

LEASE Chevron H.T. Mattern (NCT-D) WELL NO. 14 FIELD Drinkard DATE 12/1/88

LOCATION 400 FEET FROM N LINE AND 1650 FEET FROM W LINE

SECTION 7 TOWNSHIP 22-S RANGE 37-E COUNTY Lea STATE NM



GE: 3445 '
KDB to GE 13.6 '
DF to GE _____'

8 5/8" OD 24 lbs.
Surf. Pipe set @
1120 w/ 500 sx
cmt. Circ? Yes

Blinebry Perfs
5464'-5728'

Tubb Perfs
6205'-6310'

Drinkard Perfs
6488'-6644'

5 1/2 " OD
Gr K-55
15.5# Csg set @
6700 ' w/ 700 sx
Cmt. Circ? No
TOC @ 2220 by TS

Date Completed 8/25/75
Initial Formation Drinkard
FROM: 6488 TO: 6644
Initial Production 155 BOPD 68 BWPD
nm MCFPD nm GOR

Completion Data:
Perf Drinkard 6488 - 6644. Acidized and fraced.

Subsequent Workover or Reconditioning:
10/3/75 - Acidized Drinkard.

8/26/76 - Acidized Drinkard.

10/11/79 - Set CIBP @ 6385'. Perf Tubb 6205 - 6310'. Acidize and frac.

5/6/80 - Downhole commingled Tubb & Drinkard.

8/4/82 - Set CIBP @ 6100'. Perf Blinebry 5464 - 5728'. Acidize and frac.

3483'. Spot 6 sx cmt from surface to 50'. P&A'd.

5/25/83 - Drill out CIBP. Acidize downhole commingle Blinebry/Tubb/Drinkard.

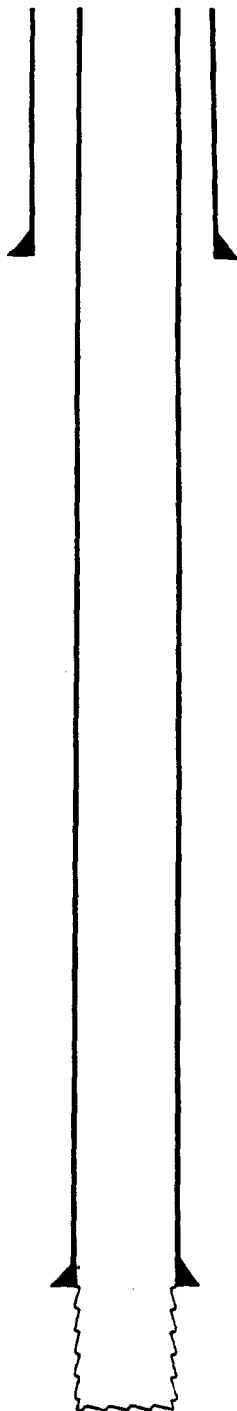
Present Prod. _____ BOPD _____ BWPD
_____ MCFPD _____ GOR
_____ Date

Remarks or Additional Data:
5 1/2" casing in 7 7/8" hole.

PBD _____ '
TD 6700 '

WELL DATA SHEET

LEASE Chevron H.T. Mattern (NCT-D) WELL NO. 4 FIELD Arrowhead DATE 12/1/88
LOCATION 660 FEET FROM N LINE AND 660 FEET FROM W LINE
SECTION 7 TOWNSHIP 22-S RANGE 37-E COUNTY Lea STATE NM



GE: 3460 '
KDB to GE 6 '
DF to GE _____'

9 5/8" OD 25.7 lbs.
Surf. Pipe set @
291 w/ 225 sx
cmt. Circ? Yes

Date Completed 1/5/44
Initial Formation Grayburg
FROM: 3675 TO: 3755
Initial Production 143 BOPD 0 BWPD
1217 MCFPD 3195 GOR

Completion Data:
Acidized w/2000 gals.

Subsequent Workover or Reconditioning:
5/4/45 - Ran & set formation packer
at 3710'.

10/25/51 - Reset packer @ 3694'.

12/19/58 - PB to 3741 w/12 gals
hydromite. Fraced w/
10,000 gals oil w/i# spg.

10/18/66 - Dumped 500 gals acid.
Closed-in.

5/15/67 - Installed rod pump.

7/18/80 - Dumped 1000 gals 15% acid.

2/12/88 - Clean out to 3755'. Perf
open hole 3681 - 3752'.
Acidize w/2700 gals 15%.

Present Prod. _____ BOPD _____ BWPD
_____ MCFPD _____ GOR
_____ Date

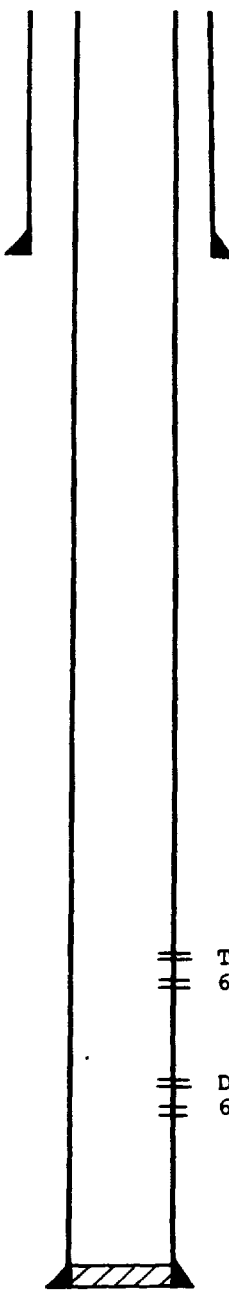
5 1/2 " OD
Gr _____
14 # Csg set @
3675 ' w/ 275 sx
Cmt. Circ? No
TOC @ 2200 by TS
calc

Remarks or Additional Data:
5 1/2" casing in 7 7/8" hole.
4 3/4" openhole.

PBD _____ '
TD 3755 _____'

WELL DATA SHEET

LEASE Chevron H.T. Mattern (NCT-D) WELL NO. 15 FIELD Drinkard DATE 12/1/88
 LOCATION 400 FEET FROM N LINE AND 860 FEET FROM W LINE
 SECTION 7 TOWNSHIP 22-S RANGE 37-E COUNTY Lea STATE NM



GE: 3449 '
 KDB to GE 13.6 '
 DF to GE _____ '
 8 5/8" OD 24 lbs.
 Surf. Pipe set @
1110 w/ 500 sx
 cmt. Circ? Yes

Date Completed 9/16/75
 Initial Formation Drinkard
 FROM: 6516 TO: 6658
 Initial Production 100 BOPD 28 BWPD
 nm MCFPD nm GOR

Completion Data:
 Perf Drinkard 6516 - 6658'. Acidize
 and frac.

Subsequent Workover or Reconditioning:
8/16/76 - Acidize.
9/25/78 - Acidize.
11/9/82 - TA'd Drinkard. Perf Tubb
6210 - 6340'. Acidized &
fraced.
7/25/85 - Downhole commingle Tubb &
Drinkard. Acidized.

== Tubb Perfs
 == 6210'-6340'

== Drinkard Perfs
 == 6516'-6658'

5 1/2 " OD
 Gr K-55
15.5# Csg set @
6710 ' w/ 750 sx
 Cmt. Circ? No
 TOC @ 1780 by TS

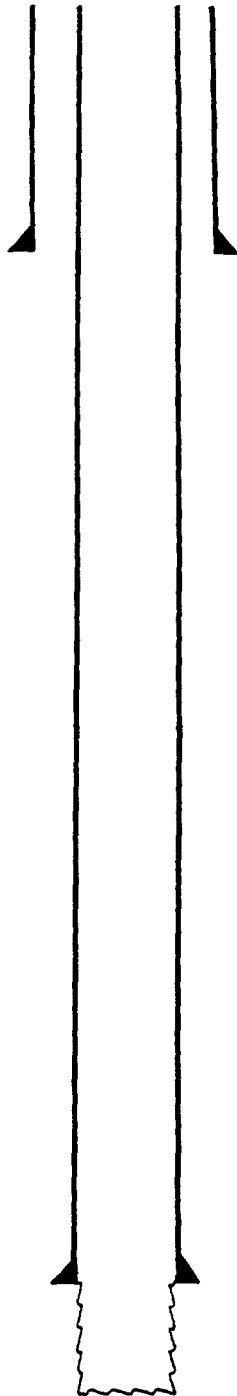
Present Prod. _____ BOPD _____ BWPD
 _____ MCFPD _____ GOR
 _____ Date

Remarks or Additional Data:
5 1/2" casing in 7 7/8" hole.

PBD 6693 '
 TD 6710 '

WELL DATA SHEET

LEASE Chevron H.T. Mattern (NCT-D) WELL NO. 2 FIELD Arrowhead DATE 12/1/88
LOCATION 2310 FEET FROM N LINE AND 330 FEET FROM W LINE
SECTION 7 TOWNSHIP 22-S RANGE 37-E COUNTY Lea STATE NM



DF: 3455 '
KDB to GE _____ '
DF to GE _____ '

9 5/8" OD 25.7 lbs.
Surf. Pipe set @
290 w/ 200 sx
cmt. Circ? Yes

5 1/2" OD
Gr H
14 # Csg set @
3670 ' w/ 350 sx
Cmt. Circ? No
TOC @ 2390 by TS

Date Completed 12/22/39
Initial Formation Grayburg
FROM: 3670 TO: 3740
Initial Production 420 BOPD 0 BWPD
675 MCFPD 1609 GOR

Completion Data:
Acidized w/2000 gals.

Subsequent Workover or Reconditioning:
10/16/42 - Set formation packer @
3689'.

6/57 - Installed rod pump.

5/9/67 - Shut-in.

6/15/71 - Cleaned out to 3740'. Re-
turned to production.

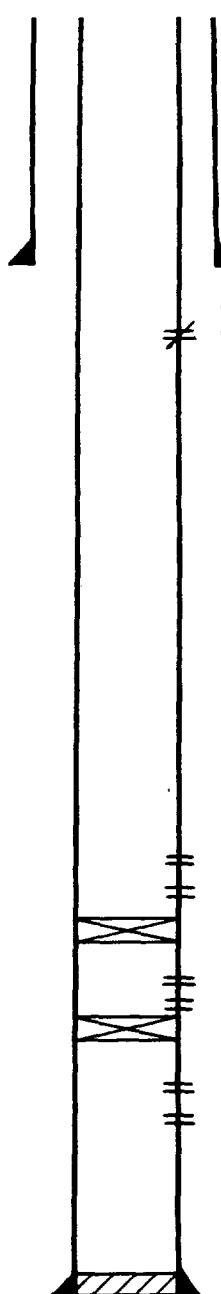
Present Prod. _____ BOPD _____ BWPD
_____ MCFPD _____ GOR
_____ Date

Remarks or Additional Data:
5 1/2" casing in 7 7/8" hole.
4 3/4" openhole.

PBD _____ '
TD 3740 '

WELL DATA SHEET

LEASE Chevron H.T. Mattern (NCT-D) WELL NO. 16 FIELD Blinebry DATE 12/1/88
LOCATION 1650 FEET FROM N LINE AND 610 FEET FROM W LINE
SECTION 7 TOWNSHIP 22-S RANGE 37-E COUNTY Lea STATE NM



GE: 3455 '
KDB to GE 13.6 '
DF to GE _____'

8 5/8" OD 24 lbs.
Surf. Pipe set @
1082 w/ 500 sx
cmt. Circ? Yes

Circulate & Squeeze
Cement w/ 400 sxs.
thru perf @ 1112' to
repair casing flow

Blinebry Perfs
5493'-5861'

CIBP @ 6090'

Tubb Perfs
6212'-6316'
CIBP @ 6450'

Drinkard Perfs
6510'-6670'

5 1/2 " OD
Gr K-55
15.5# Csg set @
6760 ' w/ 650 sx
Cmt. Circ? No
TOC @ 2275 by TS

Date Completed 9/15/75
Initial Formation Drinkard
FROM: 6510 TO: 6670
Initial Production 108 BOPD 49 BWPD
nm MCFPD nm GOR

Completion Data:
Perf Drinkard 6510 - 6670'. Acidize
and frac.

Subsequent Workover or Reconditioning:
2/26/76 - Acidized Drinkard.

11/17/78 - Set CIBP @ 6425'. Perf
Tubb 6212 - 6316'. Acid-
ized and fraced.

8/16/79 - Drill out CIBP and down-
hole commingle Tubb &
Drinkard.

11/30/82 - Set CIBP @ 6450 and a
6090'. Perf Blinebry
5493 - 5861'. Acidize &
frac.

6/22/83 - Perf 5 1/2 @ 1112' to
repair casing flow. Circ-
ulate and squeezed w/550
sxs. Drill out and re-
turned to production.

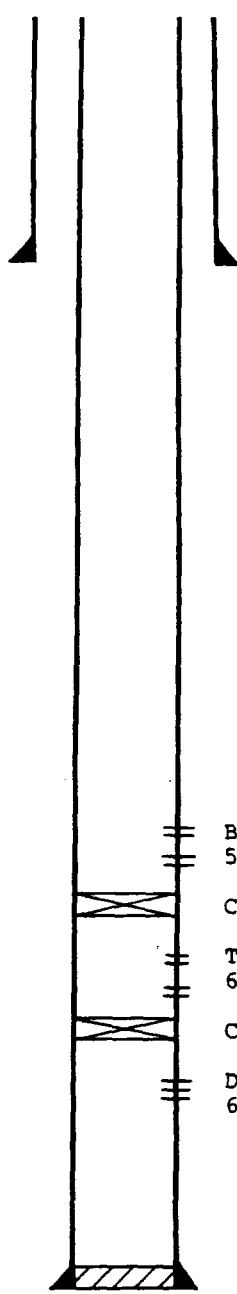
Present Prod. _____ BOPD _____ BWPD
_____ MCFPD _____ GOR
_____ Date

Remarks or Additional Data:

PBD 6090 '
TD 6760 '

WELL DATA SHEET

LEASE Chevron H.T. Mattern (NCT-D) WELL NO. 17 FIELD Blinebry DATE 12/1/88
LOCATION 1650 FEET FROM N LINE AND 1720 FEET FROM W LINE
SECTION 7 TOWNSHIP 22-S RANGE 37-E COUNTY Lea STATE NM



GE: 3450 '
KDB to GE 13.6 '
DF to GE _____'

8 5/8" OD 24 lbs.
Surf. Pipe set @
1090 w/ 300 sx
cmt. Circ? Yes

Bliebry Perfs
5472'-5840'
CIBP @ 6090'
Tubb Perfs
6194'-6296'
CIBP @ 6420'
Drinkard Perfs
6488'-6654'

5 1/2 " OD
Gr K-55
15.5# Csg set @
6734 ' w/ 700 sx
Cmt. Circ? No
TOC @ 2230 by TS

Date Completed 10/6/75
Initial Formation Drinkard
FROM: 6488 TO: 6654
Initial Production 86 BOPD 120 BWPD
nm MCFPD nm GOR

Completion Data:
Perf Drinkard 6488 - 6654'. Acidize
and frac.

Subsequent Workover or Reconditioning:
11/26/79 - Set CIBP @ 6390'. Perf
Tubb 6194 - 6296'. Acid-
ized and fraced.

4/25/80 - Downhole commingle Tubb
and Drinkard.

12/9/82 - Set CIBP @ 6420 & 6090'.
Perf Blinebry 5472 - 5840'
Acidized and fraced.

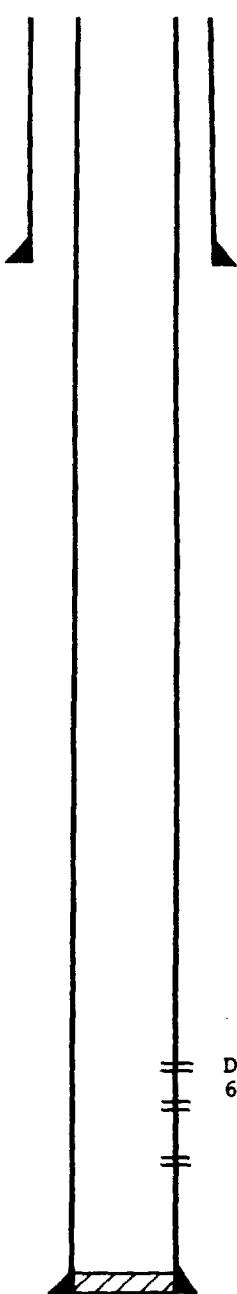
Present Prod. _____ BOPD _____ BWPD
_____ MCFPD _____ GOR
_____ Date

Remarks or Additional Data:
5 1/2" casing in 7 7/8" hole.

PBD 6698 '
TD 6735 '

WELL DATA SHEET

LEASE Martindale Mattern WELL NO. 2 FIELD Drinkard DATE 11/30/8
LOCATION 1650 FEET FROM S LINE AND 2310 FEET FROM E LINE
SECTION 7 TOWNSHIP 22-S RANGE 37-E COUNTY Lea STATE NM



GE: 3415 '
KDB to GE 11.5 '
DF to GE _____'

8 5/8" OD _____ lbs.
Surf. Pipe set @
1030 w/ 525 sx
cmt. Circ? Yes

Drinkard Perfs
6476'-6604'

5 1/2" OD
Gr _____
17 # Csg set @
6767 ' w/ 2380 sx
Cmt. Circ? Yes
TOC @ _____ by TS

Date Completed 4/13/80
Initial Formation Drinkard
FROM: 6476 TO: 6604
Initial Production 75 BOPD 0 BWPD
195 MCFPD 2600 GOR

Completion Data:
Perf Drinkard 6476 - 6604'. Acidize
& frac.

Subsequent Workover or Reconditioning:

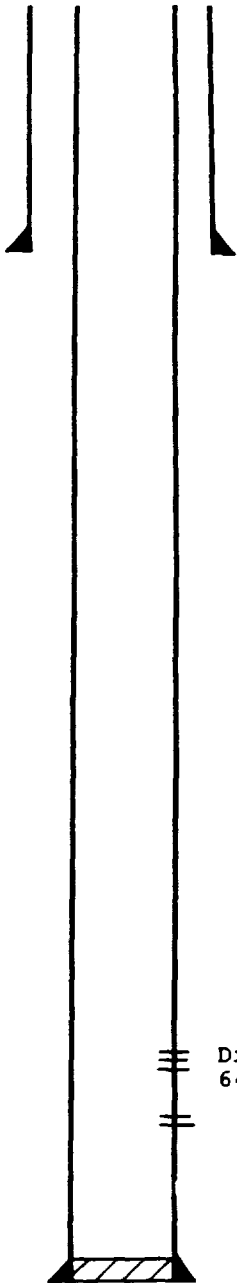
Present Prod. _____ BOPD _____ BWPD
_____ MCFPD _____ GOR
Date _____

Remarks or Additional Data:
5 1/2" casing in 7 7/8" hole.

PBD 6709 '
TD 6767 '

WELL DATA SHEET

LEASE Martindale Mattern WELL NO. 1 FIELD Drinkard DATE 11/30/8
LOCATION 1650 FEET FROM S LINE AND 1850 FEET FROM W LINE
SECTION 7 TOWNSHIP 22-S RANGE 37-E COUNTY Lea STATE NM



GE: 3443 '
KDB to GE 11.5 '
DF to GE _____ '

8 5/8" OD 24 lbs.
Surf. Pipe set @
1149 w/ 575 sx
cmt. Circ? Yes

Date Completed 8/21/78
Initial Formation Drinkard
FROM: 6498 TO: 6639
Initial Production 98 BOPD 122 BWPD
200 MCFPD 2041 GOR

Completion Data:
Perf Drinkard 6498 - 6639'. Acidize
& frac.

Subsequent Workover or Reconditioning:

Drinkard Perfs
6498'-6639'

5 1/2 " OD
Gr K-55
17 # Csg set @
6864 ' w/ 2075 sx
Cmt. Circ? Yes
TOC @ _____ by TS

Present Prod. _____ BOPD _____ BWPD
_____ MCFPD _____ GOR
_____ Date

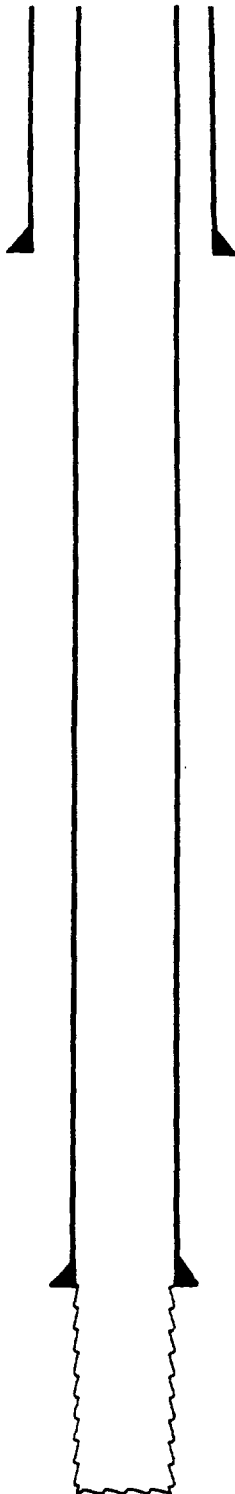
Remarks or Additional Data:
5 1/2" casing in 7 7/8" hole.

PBD 6768 '

TD 6864 '

WELL DATA SHEET

LEASE Meridian Mattern WELL NO. 2 FIELD Arrowhead TA'd DATE 11/30/84
LOCATION 1650 FEET FROM S LINE AND 1650 FEET FROM W LINE
SECTION 7 TOWNSHIP 22-S RANGE 37-E COUNTY Lea STATE NM



GE: 3445
KDB to GE _____
DF to GE _____

8 5/8" OD 28 lbs.
Surf. Pipe set @
326 w/ 128 sx
cmt. Circ? yes

5 1/2" OD
Gr _____
14 # Csg set @
3668 ' w/ 400 sx
Cmt. Circ? _____
TOC @ Surf by TS
Calc

Date Completed 11/15/39
Initial Formation Grayburg
FROM: 3668 TO: 3740
Initial Production 480 BOPD 0 BWPD
nm MCFPD nm GOR

Completion Data:
OH Completion.

Subsequent Workover or Reconditioning:
10/16/51 - Acidized w/500 gals.

9/68 - TA'd.

4/83 Surface casing circ.

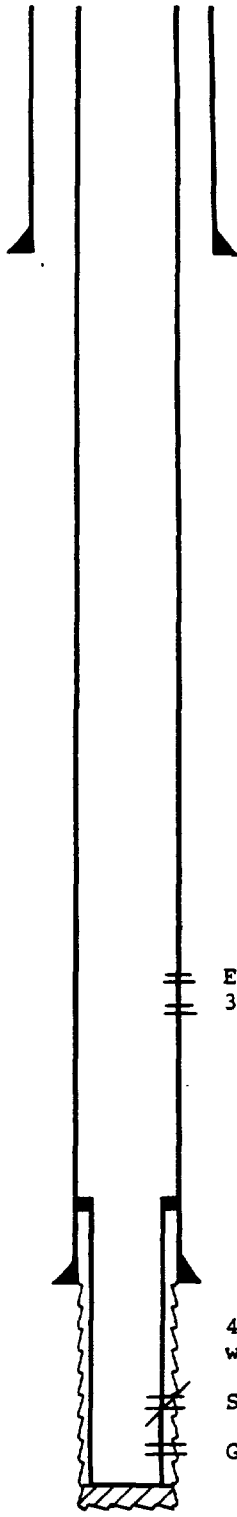
Present Prod. _____ BOPD _____ BWPD
_____ MCFPD _____ GOR
_____ Date

Remarks or Additional Data:
5 1/2" casing in 6 3/4" hole.
8 5/8" in 11" hole

PBD _____
TD 3740

WELL DATA SHEET

LEASE Meridian Mattern WELL NO. 1 FIELD Eumont DATE 11/30/88
LOCATION 1650 FEET FROM S LINE AND 330 FEET FROM W LINE
SECTION 7 TOWNSHIP 22-S RANGE 37-E COUNTY Lea STATE NM



GE: 3452 '
KDB to GE _____ '
DF to GE _____ '

8 5/8" OD _____ lbs.
Surf. Pipe set @
330 w/ 125 sx
cmt. Circ? yes

Date Completed 10/15/39
Initial Formation Grayburg
FROM: 3631 TO: 3750
Initial Production 312 BOPD _____ BWPD
_____ nm MCFPD _____ GOR

Completion Data:
OH Completion.

Subsequent Workover or Reconditioning:
6/15/45 - Ran 4" liner 3604 - 3733'
w/35 sxs cmt. Perf 3694 - 97. Acidized w/500 gals,
squeezed w/35 sxs. Perf
3715 - 25'. Acidized w/
1000 gallons.

2/29/52 - Acidize w/500 gals.

8/7/57 - Perf Queen 3429 - 3492'.
Frac w/8000 gals & 8000 #'s
Dual complete w/pkr.

1/31/64 - TA'd Arrowhead

Eumont Perfs
3429'-3492'

Present Prod. _____ BOPD _____ BWPD
_____ MCFPD _____ GOR
Date _____

5 1/2" OD
Gr _____
17 # Csg set @
3631 ' w/ 400 sx
Cmt. Circ? _____
TOC @ Surf by 25 calc

Remarks or Additional Data:

4" liner 3604'-3733'
w/ 35 sxs.

5 1/2" casing in 6 3/4" hole.

8 1/8" in 12" hole

Arrowhead produced up tbq.

Squeezed perfs 3694'-97'

Eumont still produces up annulus.

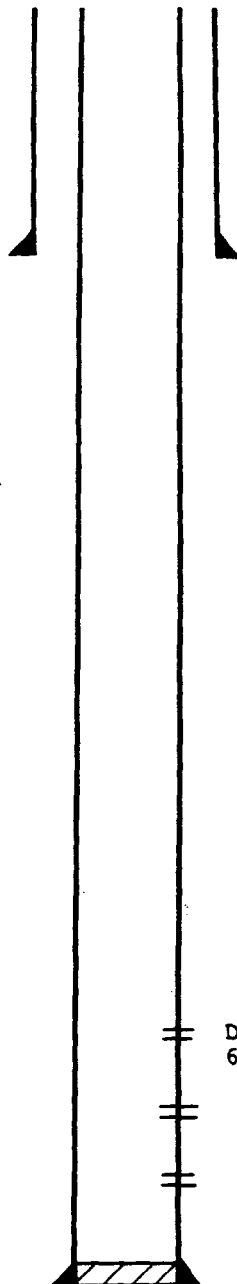
Grayburg Perfs 3715'-25'

PBD 3730 '

TD 3750 '

WELL DATA SHEET

LEASE Martindale Little "v" WELL NO. 2 FIELD Drinkard DATE 11/30/88
LOCATION 330 FEET FROM S LINE AND 480 FEET FROM W LINE
SECTION 7 TOWNSHIP 22-S RANGE 37-E COUNTY Lea STATE NM



GE: 3436 '
KDB to GE 11 '
DF to GE _____'

8 5/8" OD _____ lbs.
Surf. Pipe set @
1108 w/ 575 sx
cmt. Circ? Yes

Drinkard Perfs
6462'-6655'

5 1/2" OD
Gr K-55
17 # Csg set @
6762 ' w/ 660 sx
Cmt. Circ? Yes
TOC @ _____ by TS

Date Completed 1/26/79
Initial Formation Drinkard
FROM: 6462 TO: 6655
Initial Production 46 BOPD 0 EWPD
93 MCFPD 2021 GOR

Completion Data:
Perf Drinkard 6462 - 6655'. Acidize & frac.

Subsequent Workover or Reconditioning:

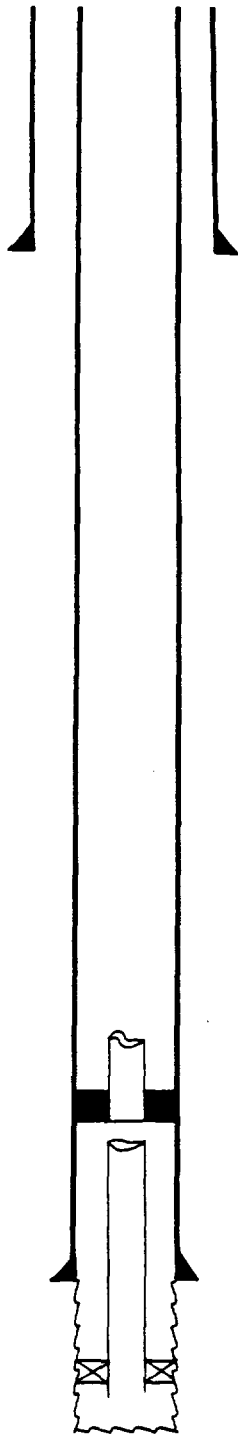
Present Prod. _____ BOPD _____ EWPD
_____ MCFPD _____ GOR
_____ Date

Remarks or Additional Data:
5 1/2" casing in 7 7/8" hole.

PBD 6706 '

TD 6762 '

LEASE Chevron Mattern WELL NO. 6 FIELD Arrowhead TA'd DATE 11/30/8
LOCATION 330 FEET FROM S LINE AND 330 FEET FROM W LINE
SECTION 7 TOWNSHIP 22-S RANGE 37-E COUNTY Lea STATE NM



DF: 3445 '
KDB to GE _____ '
DF to GE _____ '

8 5/8" OD 28 lbs.
Surf. Pipe set @
300 w/ 125 sx
cmt. Circ? N/A

TOC @ surf by Calc

Date Completed 2/1/40
Initial Formation Grayburg
FROM: 3647 TO: 3740
Initial Production 1968 BOPD 0 BWPD
MCFPD _____ GOR _____

Completion Data:
OH Completion.

Subsequent Workover or Reconditioning:
5/1/68 - Put on pump.

9/30/71 - TA'd.

5 1/2" OD
Gr _____
14 # Csg set @
3647 ' w/ 350 sx
Cmt. Circ? _____
TOC @ 3315 by Calc

Present Prod. _____ BOPD _____ BWPD
MCFPD _____ GOR _____
Date _____

Remarks or Additional Data:
Only 30 sxs cmt behind 5 1/2". TOC
estimated at 3257'.

Junk in hole. Openhole pkr at 3700',
31' 2" tbg below pkr, 85' 3" line
pipe above pkr. Hook wall slips at
3609', 28' tbg above slips.

Casing leak at unknown depth.

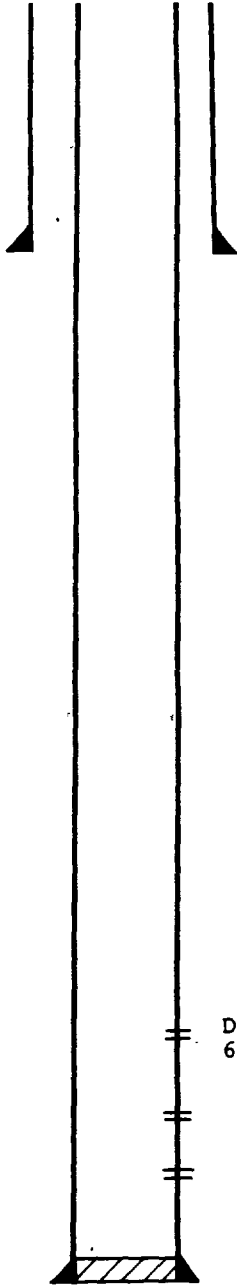
5 1/2" casing in 6 3/4" hole
8 5/8" casing in 11" hole

PBD _____

TD 3740

WELL DATA SHEET

LEASE Martindale Little "V" WELL NO. 1 FIELD Drinkard DATE 11/30/88
LOCATION 330 FEET FROM S LINE AND 1700 FEET FROM W LINE
SECTION 7 TOWNSHIP 22-S RANGE 37-E COUNTY Lea STATE NM



GE: 3436 '
KDB to GE 11.5 '
DF to GE _____'

8 5/8" OD 24 lbs.
Surf. Pipe set @
1145 w/ 575 sx
cmt. Circ? Yes

Drinkard Perfs
6471'-6607'

5 1/2" OD
Gr K-55
17 # Csg set @
6752 ' w/ 1750 sx
Cmt. Circ? Yes
TOC @ _____ by TS

Date Completed 5/9/78
Initial Formation Drinkard
FROM: 6471 TO: 6607
Initial Production 96 BOPD 0 BWPD
150 MCFPD 1563 GOR

Completion Data:
Perf Drinkard 6471 - 6607'. Acidize
& frac.

Subsequent Workover or Reconditioning:

Present Prod. _____ BOPD _____ BWPD
_____ MCFPD _____ GOR
_____ Date _____

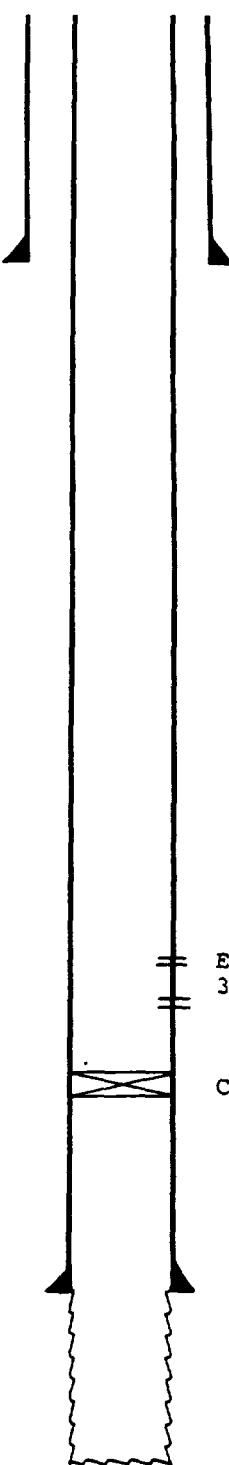
Remarks or Additional Data:
5 1/2" casing in 7 7/8" hole.

PBD 6699 '

TD 6752 '

WELL DATA SHEET

LEASE Chevron Mattern WELL NO. 7 FIELD Eumont (SI) DATE 11/30/8
LOCATION 330 FEET FROM S LINE AND 1650 FEET FROM W LINE
SECTION 7 TOWNSHIP 22-S RANGE 37-E COUNTY Lea STATE NM



GE: 3430 '
KDB to GE 8 '
DF to GE _____'

8 5/8" OD 28 lbs.
Surf. Pipe set @
320 w/ 125 sx
cmt. Circ? NIA
TOC @ 80' by calc

Date Completed 2/18/40
Initial Formation Grayburg
FROM: 3640 TO: 3735
Initial Production 792 BOPD 0 BWPD
MCFPD _____ GOR _____

Completion Data:
OH Completion.

Subsequent Workover or Reconditioning:
8/15/58 - PB to Eumont. Set CIBP @
3610'. Perf 3436 - 3506'.
Acidize w/500 gals. Frac
w/8000 gals & 8000 #'s
sand.

Eumont Perfs
3436'-3506'

CIBP @ 3610'

5 1/2" OD
Gr _____
14 # Csg set @
3640 ' w/ 350 sx
Cmt. Circ? No
TOC @ 1774 by Calc

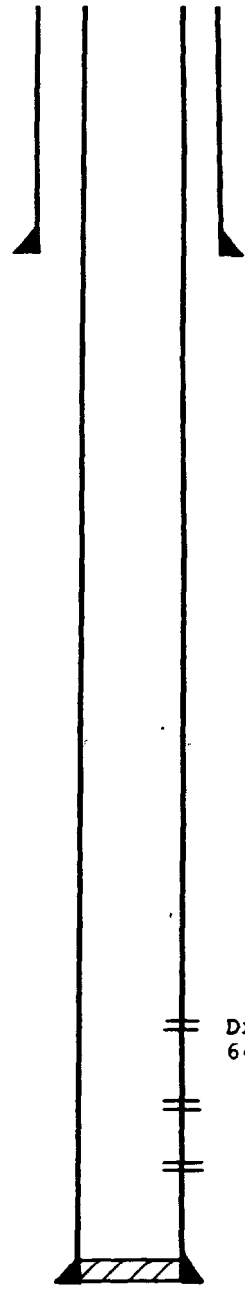
Present Prod. _____ BOPD _____ BWPD _____
MCFPD _____ GOR _____
Date _____

Remarks or Additional Data:
5 1/2" casing in 7 7/8" hole.
8 3/8" in 12 3/4" hole
Hole in casing between 1200 & 1300'.

PBD 3610 '
TD 3735 '

WELL DATA SHEET

LEASE Martindale Little "V" WELL NO. 3 FIELD Drinkard DATE 11/30/8
LOCATION 380 FEET FROM S LINE AND 2310 FEET FROM E LINE
SECTION 7 TOWNSHIP 22-S RANGE 37-E COUNTY Lea STATE NM



GE: 3425 '
KDB to GE 11 '
DF to GE _____'

8 5/8" OD 23 lbs.
Surf. Pipe set @
1060 w/ 540 sx
cmt. Circ? Yes

Drinkard Perfs
6473'-6653'

5 1/2 " OD
Gr K-55
17 # Csg set @
6756 ' w/ 1725 sx
Cmt. Circ? Yes
TOC @ _____ by TS

Date Completed 7/2/79
Initial Formation Drinkard
FROM: 6473 TO: 6653
Initial Production 101 BOPD 4 BWPD
201 MCFPD 1986 GOR

Completion Data:
Perf Drinkard 6473 - 6653'. Acidize & frac.

Subsequent Workover or Reconditioning:

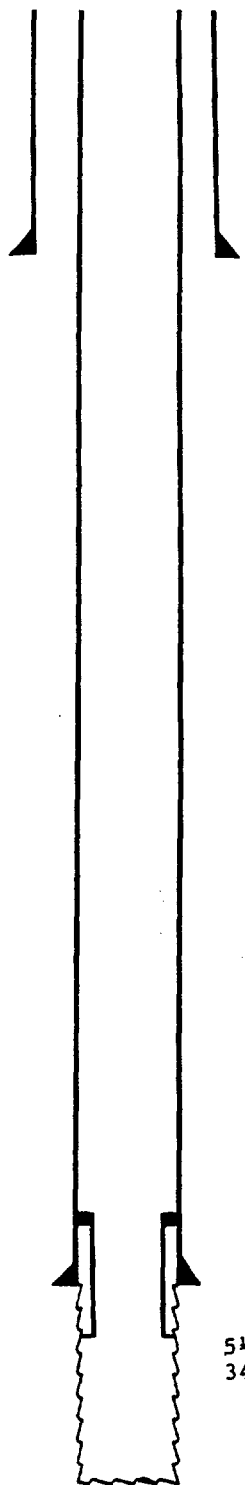
Present Prod. _____ BOPD _____ BWPD
_____ MCFPD _____ GOR
_____ Date

Remarks or Additional Data:
5 1/2" casing in 7 7/8" hole.

PBD 6724 '
TD 6744 '

WELL DATA SHEET

LEASE Chevron Mattern WELL NO. 5 FIELD Arrowhead DATE 11/30/8
 LOCATION 660 FEET FROM S LINE AND 1980 FEET FROM E LINE
 SECTION 7 TOWNSHIP 22-S RANGE 37-E COUNTY Lea STATE NM



GE: 3426 '
 KDB to GE _____ '
 DF to GE _____ '

8 1/4" OD N/A lbs.
 Surf. Pipe set @
1045 w/ 300 sx
 cmt. Circ? N/A
 TOC @ 176 by Calc

6 5/8 " OD
 Gr _____
 NA # Csg set @
3414 ' w/ 300 sx
 Cmt. Circ? _____
 TOC @ 610 by TS
Calc
5 1/2" liner from 3374'-
 3454'

Date Completed 8/25/36
 Initial Formation Grayburg
 FROM: 3414 TO: 3746
 Initial Production 13 BOPD 237 BWPD
 _____ MCFPD _____ GOR
 Completion Data:
Acidized w/1000 gals.

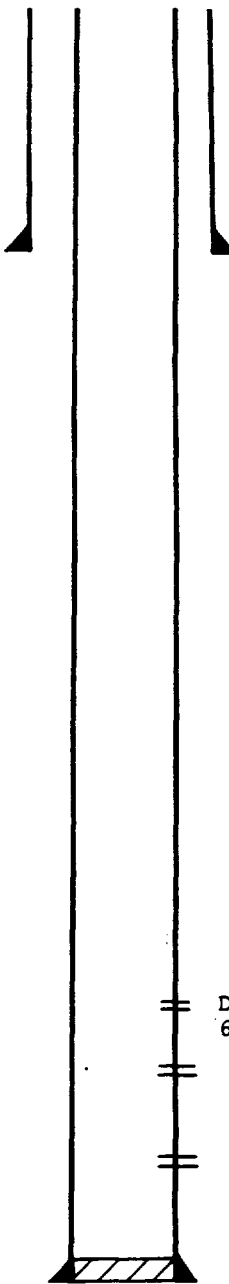
Subsequent Workover or Reconditioning:

Present Prod. _____ BOPD _____ BWPD
 _____ MCFPD _____ GOR
 _____ Date

Remarks or Additional Data:
6 5/8" casing in 7 7/8" hole.
8 1/4" casing in 11 1/4" hole

WELL DATA SHEET

LEASE Martindale Little "v" WELL NO. 4 FIELD Drinkard DATE 11/30/88
LOCATION 380 FEET FROM S LINE AND 330 FEET FROM E LINE
SECTION 7 TOWNSHIP 22-S RANGE 37-E COUNTY Lea STATE NM



GE: 3414 '
KDB to GE 12 '
DF to GE _____'

8 5/8" OD _____ lbs.
Surf. Pipe set @
1050 w/ 575 sx
cmt. Circ? Yes

Drinkard Perfs
6378'-6612'

5 1/2" OD
Gr K-55
17 # Csg set @
6743 ' w/ 1700 sx
Cmt. Circ? Yes
TOC @ _____ by TS

Date Completed 11/10/79
Initial Formation Drinkard
FROM: 6378 TO: 6612
Initial Production 74 BOPD 50 BWPD
225 MCFPD 3041 GOR

Completion Data:
Perf Drinkard 6378 - 6612'. Acidize & frac.

Subsequent Workover or Reconditioning:

Present Prod. _____ BOPD _____ BWPD
_____ MCFPD _____ GOR
_____ Date

Remarks or Additional Data:
5 1/2" casing in 7 7/8" hole.

PBD 6633 '

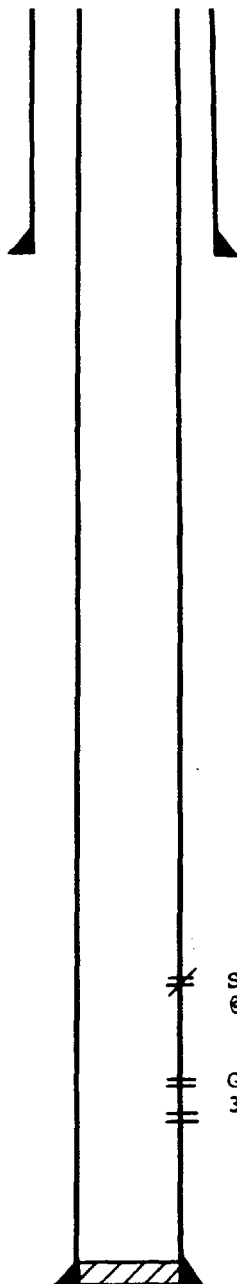
TD 6756 '

WELL DATA SHEET

LEASE Chevron A.L. Christmas (NCT-C) WELL NO. 8 FIELD Arrowhead DATE 12/2/88

LOCATION 660 FEET FROM N LINE AND 660 FEET FROM E LINE

SECTION 18 TOWNSHIP 22-S RANGE 37-E COUNTY Lea STATE NM



GE: 3411 '
KDB to GE 8 '
DF to GE _____'

8 5/8" OD 24 lbs.
Surf. Pipe set @
414 w/ 325 sx
cmt. Circ? Yes

Squeezed Perf
@ 3604' w/ 125 sxs.

Grayburg Perfs
3625'-3696'

5 1/2 " OD
Gr J-55
14 # Csg set @
3700 ' w/ 1600 sx
Cmt. Circ? No
TOC @ 945 by TS

Date Completed 6/6/57
Initial Formation Grayburg
FROM: 3625 TO: 3696
Initial Production 40 BOPD 132 BWPD
135 MCFPD 3375 GOR

Completion Data:
Perf 5 1/2" casing 3625 - 35', 3670-
78', 3686 - 96'. Acidized w/4500
gals 15%. Fraced w/15,000 gals cil
w/1# spq. Set BP @ 3640'. Perf 5 1/2
inch casing at 3604. Set cmt rtn @
3580 and squeeze w/125 sxs. Drilled
out to 3697'. Installed rod pump.

Subsequent Workover or Reconditioning:
10/16/63 - Dump acid w/500 gals 15%.

Present Prod. _____ BOPD _____ BWPD
_____ MCFPD _____ GOR
_____ Date _____

Remarks or Additional Data:
5 1/2" casing in 7 7/8" hole

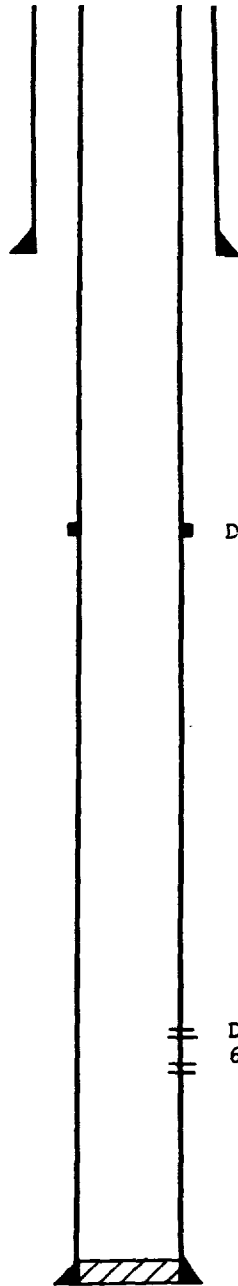
PBD 3697 '
TD 3700 '

WELL DATA SHEET

LEASE Chevron A.L. Christmas (NCT-C) WELL NO. 13 FIELD Drinkard DATE 12/2/88

LOCATION 660 FEET FROM N LINE AND 850 FEET FROM E LINE

SECTION 18 TOWNSHIP 22-S RANGE 37-E COUNTY Lea STATE NM



GE: 3413 '
KDE to GE _____ '
DF to GE 10 _____ '

8 5/8" OD 24 lbs.
Surf. Pipe set @
1107 w/ 500 sx
cmt. Circ? Yes

DV tool @ 2896'

Drinkard Perfs
6455'-6575'

5 1/2" OD
Gr K-55
15.5# Csg set @
6700 ' w/ 2125 sx
Cmt. Circ? Yes
TOC @ _____ by TS

Date Completed 9/16/77
Initial Formation Drinkard
FROM: 6455 TO: 6575
Initial Production 130 BOPD 20 BWPD
nm MCFPD nm GOR

Completion Data:
Perf Drinkard 6455 - 6575. Acidized.

Subsequent Workover or Reconditioning:
10/9/80 - Fraced Drinkard.

Present Prod. _____ BOPD _____ BWPD
_____ MCFPD _____ GOR
Date _____

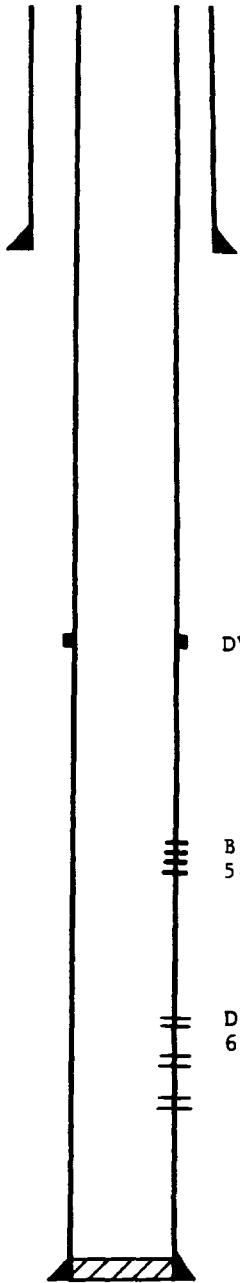
Remarks or Additional Data:

PBD 6680 '

TD 6700 '

WELL DATA SHEET

LEASE Martindale Deck WELL NO. 1 FIELD Drinkard DATE 11/30/88
LOCATION 890 FEET FROM N LINE AND 2210 FEET FROM E LINE
SECTION 18 TOWNSHIP 22-S RANGE 37-E COUNTY Lea STATE NM



GE: 3415 '
KDB to GE 12 '
DF to GE 9 '

8 5/8" OD 24 lbs.
Surf. Pipe set @
1068 w/ 425 sx
cmt. Circ? Yes

DV Tool @ 2558'

Blinebry Perfs
5460' - 5988'

Drinkard Perfs
6439' - 6600'

5 1/2" OD
Gr K-55
17 & 20# Csg set @
6726 ' w/ 1650 sx
Cmt. Circ? Yes
TOC @ by TS

Date Completed 1/24/78
Initial Formation Drinkard
FROM: 6439 TO: 6600
Initial Production 96 BOPD BWPD
20 MCFPD 208 GOR

Completion Data:
Perf Drinkard 6439 - 6600. Acidized & fraced.

Subsequent Workover or Reconditioning:
10/25/83 - Fraced Drinkard.

5/89 - Perf Blinebry 5460-5988.

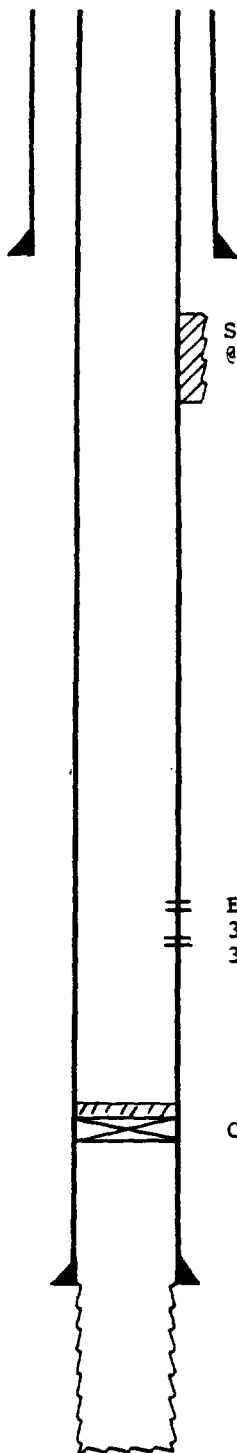
Present Prod. BOPD BWPD
 MCFPD GOR
 Date

Remarks or Additional Data:
5 1/2" casing in 7 7/8" hole

PBD 6726 '
TD 6765 '

WELL DATA SHEET

LEASE Meridian Crosby WELL NO. 1 FIELD Eumont (Gas) DATE 11/30/88
 LOCATION 660 FEET FROM N LINE AND 1650 FEET FROM W LINE
 SECTION 18 TOWNSHIP 22-S RANGE 37-E COUNTY Lea STATE NM



GE: 3425 '
 KDB to GE 11 '
 DF to GE _____ '

8 5/8 " OD _____ lbs.
 Surf. Pipe set @
312 w/ 150 sx
 cmt. Circ? N/A
 TOC @ surf by Calc

Squeezed casing leak
 @ 400'

Eumont Perfs
 3350'-3445'
 3448'-3520'

CIBP @ 3560'

5 1/2 " OD
 Gr _____
 # Csg set @
3638 ' w/ 350 sx
 Cmt. Circ? N/A
 TOC @ surf by PS
Calc

Date Completed 12/21/39
 Initial Formation Grayburg
 FROM: 3638 TO: 3735
 Initial Production 1680 BOPD _____ BWPD
 _____ MCFPD _____ GOR

Completion Data:

Subsequent Workover or Reconditioning:

1/17/50 - PB to 3721 w/hydromite.

2/21/57 - Perf Queen 3350 - 3445'.
 Dual completion. Pkr @
 3603'.

12/21/59 - Cleaned out to 3710. Put
 Arrowhead on pump below
 pkr.

1/6/64 - Squeezed casing leak @ 400'
 w/200 sxs. Perf 3448-3520.
 Fraced w/10,000 gals oil &
 1000 pounds sand. Fraced
 3350 - 3445 w/15,000 #'s in
 15,000 gals. Left plug in
 packer at 3603'.

2/24/66 - Set CIBP @ 3560 w/2 sxs.
 TA Arrowhead.

Present Prod. _____ BOPD _____ BWPD
 _____ MCFPD _____ GOR
 _____ Date

Remarks or Additional Data:

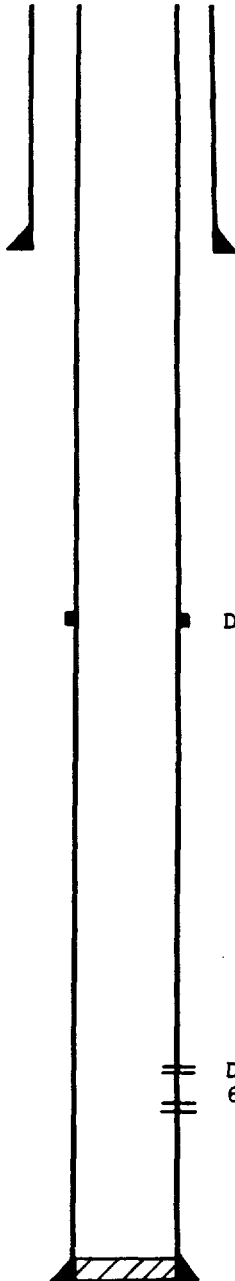
2 5/8" assumed in 1 1/2" hole
5 1/2" assumed in 6 3/4" hole

PBD 3560 '

TD 3735 '

WELL DATA SHEET

LEASE Martindale Deck WELL NO. 2 FIELD Drinkard DATE 11/30/88
LOCATION 860 FEET FROM N LINE AND 1980 FEET FROM W LINE
SECTION 18 TOWNSHIP 22-S RANGE 37-E COUNTY Lea STATE NM



GE: 3424 '
KDB to GE 11 '
DF to GE _____'

8 5/8" OD 24 lbs.
Surf. Pipe set @
1092 w/ 570 sx
cmt. Circ? Yes

DV Tool @ 2562'

Drinkard Perfs
6466'-6576'

5 1/2" OD
Gr K-55
17 & 20# Csg set @
6761 w/ 1500 sx
Cmt. Circ? Yes
TOC @ _____ by TS

Date Completed 2/1/78
Initial Formation Drinkard
FROM: 6466 TO: 6576
Initial Production 98 BOPD 6 BWPD
21 MCFPD 214 GOR

Completion Data:
Perf Drinkard 6466 - 6576'. Acidize.

Subsequent Workover or Reconditioning:
10/27/83 - Fraced Drinkard.

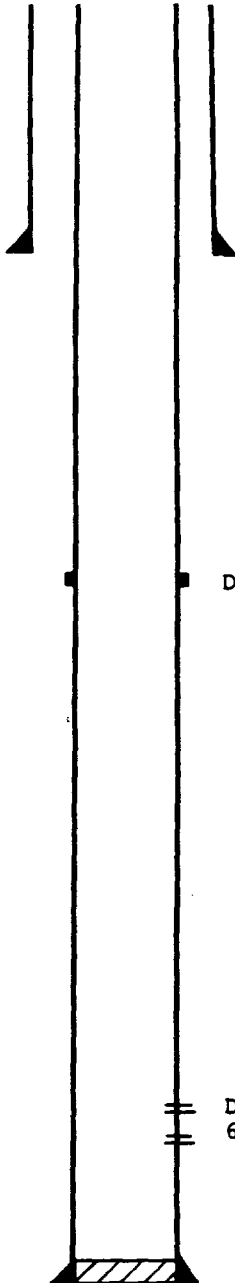
Present Prod. _____ BOPD _____ BWPD
_____ MCFPD _____ GOR
_____ Date _____

Remarks or Additional Data:
5 1/2" casing in 7 7/8" hole

PBD 6717 '
TD 6761 '

WELL DATA SHEET

LEASE Chevron A.L. Christmas (NCT-C) WELL NO. 14 FIELD Drinkard DATE 12/2/88
LOCATION 560 FEET FROM N LINE AND 810 FEET FROM W LINE
SECTION 18 TOWNSHIP 22-S RANGE 37-E COUNTY Lea STATE NM



GE: 3433
KDB to GE 16.5
DF to GE _____

8 5/8" OD 24 lbs.
Surf. Pipe set @
1177 w/ 500 sx
cmt. Circ? Yes

DV tool @ 3319'

Drinkard Perfs
6485'-6599'

5 1/2" OD
Gr K-55
15.5# 17# Csg set @
6700 w/ 2100 sx
Cmt. Circ? Yes
TOC @ _____ by TS

Date Completed 10/9/77
Initial Formation Drinkard
FROM: 6485 TO: 6599
Initial Production 76 BOPD 55 BWPD
nm MCFPD nm GOR
Completion Data:
Perf Drinkard 6485 - 6599. Acidized.

Subsequent Workover or Reconditioning:
11/14/78 - Fraced Drinkard.

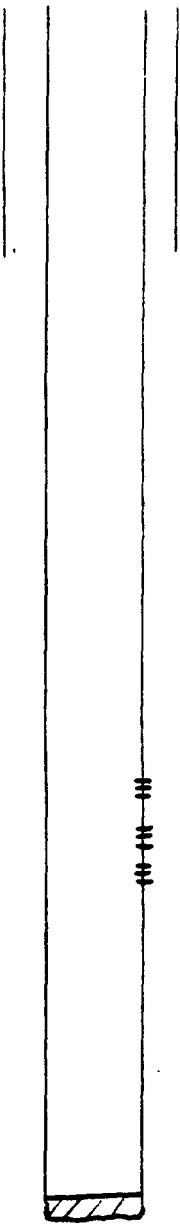
Present Prod. _____ BOPD _____ BWPD
MCFPD _____ GOR
Date _____

Remarks or Additional Data:
5 1/2" casing in 7 7/8" hole

PBD 6680
TD 6700

WELL DATA SHEET

Doyle Hartman
 LEASE A. L. Christmas WELL NO. 1 FIELD Eumont DATE 1/8/91
 LOCATION 990 FEET FROM N LINE AND 460 FEET FROM W LINE
 SECTION 18 TOWNSHIP 22-S RANGE 37-E COUNTY Lea STATE NM



GE: 3434.5 '
 KDB to GE 3450.5 '
 DF to GE _____'

9 5/8" OD 36 lbs.
 Surf. Pipe set @
432 w/ 350 sx
 cmt. Circ? Yes

Eumont Perfs
 3450' - 3576'

7 " OD
 Gr _____
 20.26# Csg set @
3788 ' w/ 1197 sx
 Cmt. Circ? Yes
 TOC @ _____ by TS

Date Completed 11/3/89
 Initial Formation Eumont
 FROM: 3450 TO: 3576
 Initial Production 0.5 BOPD 36 BWPD
219 MCFPD _____ GOR

Completion Data:
Perf 3450 to 3576.
Acidized with 7000 gals 15% MCA

Subsequent Workover or Reconditioning:

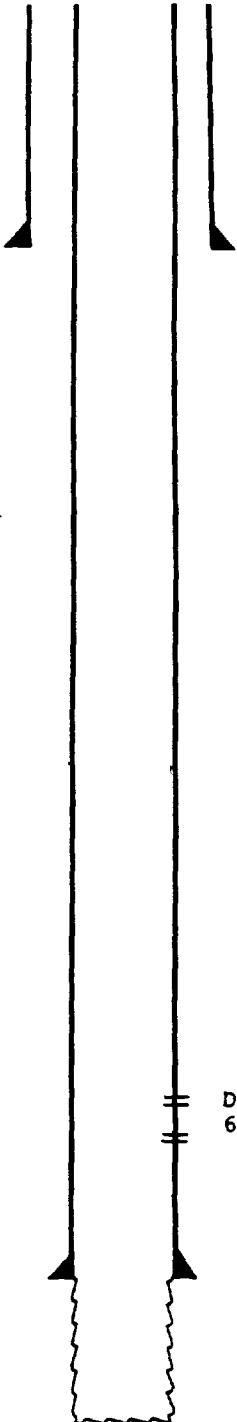
Present Prod. _____ BOPD _____ BWPD
 _____ MCFPD _____ GOR
 _____ Date _____

Remarks or Additional Data:
7" in 8 3/4" hole

PBD 3779 '
 TD 3800 '

WELL DATA SHEET

LEASE Chevron A.L. Christmas (NCT-C) WELL NO. 12 FIELD Drinkard DATE 12/2/89
LOCATION 1855 FEET FROM N LINE AND 710 FEET FROM W LINE
SECTION 18 TOWNSHIP 22-S RANGE 37-E COUNTY Lea STATE NM



GE: 3433 '
KDB to GE 10 '
DF to GE _____'

8 5/8" OD 24 lbs.
Surf. Pipe set @
1149 w/ 500 sx
cmt. Circ? Yes

Drinkard Perfs
6429'-6598'

5 1/2" OD
Gr K-55
15.5# Csg set @
6700 ' w/ 2100 sx
Cmt. Circ? Yes
TOC @ _____ by TS

Date Completed 9/1/77
Initial Formation Drinkard
FROM: 6429 TO: 6598
Initial Production 72 BOPD 83 BWPD
1213 MCFPD 16,859 GOR
Completion Data:
Perf Drinkard 6429 - 6598. Acidized.

Subsequent Workover or Reconditioning:
10/26/79 - Fraced Drinkard.

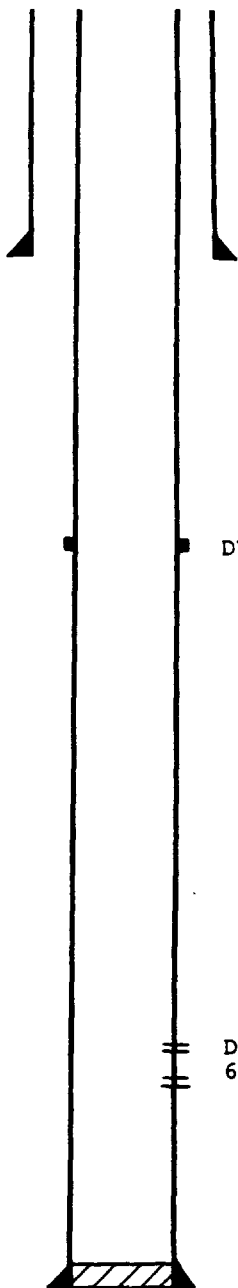
Present Prod. _____ BOPD _____ BWPD
_____ MCFPD _____ GOR
_____ Date

Remarks or Additional Data:
5 1/2" casing in 7 7/8" hole

PBD 6671 '
TD 6700 '

WELL DATA SHEET

LEASE Chevron A.L. Christmas (NCT-C) WELL NO. 10 FIELD Drinkard DATE 12/2/68
LOCATION 1950 FEET FROM N LINE AND 1845 FEET FROM W LINE
SECTION 18 TOWNSHIP 22-S RANGE 37-E COUNTY Lea STATE NM



GE: 3423 '
KDB to GE 10 '
DF to GE _____'

8 5/8" OD 24 lbs.
Surf. Pipe set @
1118 w/ 550 sx
cmt. Circ? Yes

DV tool @ 3819'

Drinkard Perfs
6427'-6602'

5 1/2" OD
Gr K-55
15.5# Csg set @
6710 ' w/ 2077 sx
Cmt. Circ? Yes
TOC @ _____ by TS

Date Completed 6/8/77
Initial Formation Drinkard
FROM: 6427 TO: 6602
Initial Production 65 BOPD 19 BWPD
3138 MCFPD 48277 GOR

Completion Data:
Perf Drinkard 6427 - 6602. Acidized.

Subsequent Workover or Reconditioning:
10/20/79 - Fraced Drinkard.
11/11/80 - Dump acid w/1000 gals.
10/10/83 - Install rod pump & dump acid w/1000 gals.

Present Prod. _____ BOPD _____ BWPD
_____ MCFPD _____ GOR
_____ Date _____

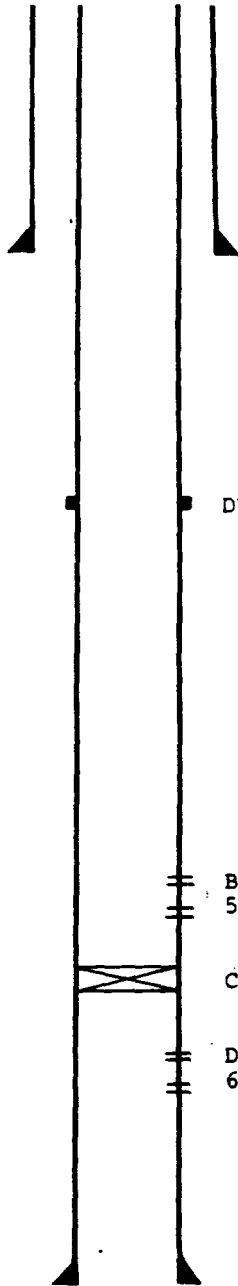
Remarks or Additional Data:
5 1/2" casing in 7 7/8" hole

PBD _____ '
TD 6710 '

WELL DATA SHEET

229

LEASE Chevron A.L. Christmas (NCT-C) WELL NO. 9 FIELD Blinebry DATE 12/2/88
LOCATION 1680 FEET FROM N LINE AND 2166 FEET FROM E LINE
SECTION 18 TOWNSHIP 22-S RANGE 37-E COUNTY Lea STATE NM



GE: 3417 '
KDB to GE 10 '
DF to GE _____'

8 5/8" OD 24 lbs.
Surf. Pipe set @
1125 w/ 550 sx
cmt. Circ? Yes

DV tool @ 3459'

Blinebry Perfs
5447'-5764'

CIBP @ 6402'

Drinkard Perfs
6437'-6591'

5 1/2" OD
Gr
15.5# Csg set @
6750 ' w/ 1310 sx
Cmt. Circ? Yes
TOC @ _____ by TS

Date Completed 4/21/77
Initial Formation Drinkard
FROM: 6437 TO: 6591
Initial Production 120 BOPD 18 BWPD
nm MCFPD nm GOR

Completion Data:
Perf Drinkard 6437 - 6591. Acidized and fraced.

Subsequent Workover or Reconditioning:
10/25/84 - Set CIBP @ 6402' w/35'
cmt on top. Perf Blinebry
5447 - 5769'. Acidize &
frac.

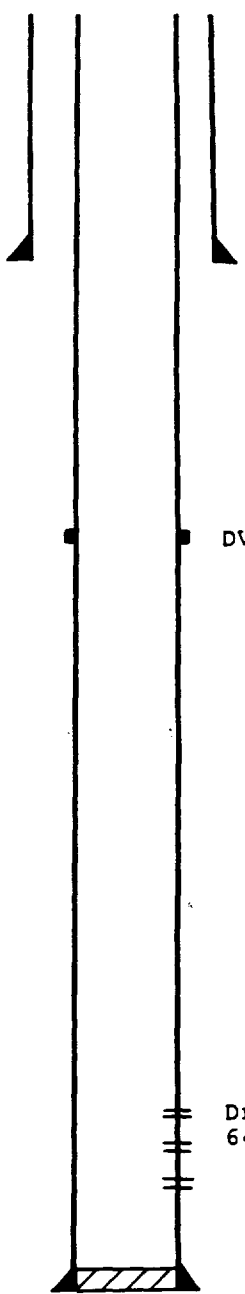
Present Prod. _____ BOPD _____ BWPD
_____ MCFPD _____ GOR
_____ Date _____

Remarks or Additional Data:
5 1/2" casing in 7 7/8" hole

PBD 6402 '
TD 6750 '

WELL DATA SHEET

LEASE Chevron A.L. Christmas (NCT-C) WELL NO. 11 FIELD Drinkard DATE 12/2/88
LOCATION 1780 FEET FROM N LINE AND 810 FEET FROM E LINE
SECTION 18 TOWNSHIP 22-S RANGE 37-E COUNTY Lea STATE NM



GE: 3413 '
KDB to GE 11 '
DF to GE _____'

8 5/8" OD 24 lbs.
Surf. Pipe set @
1092 w/ 500 sx
cmt. Circ? Yes

DV tool @ 2991'

Drinkard Perfs
6412'-6610'

5 1/2" OD
Gr K-55
15.5# Csg set @
6700 ' w/ 1975 sx
Cmt. Circ? Yes
TOC @ _____ by TS

Date Completed 8/17/77
Initial Formation Drinkard
FROM: 6412 TO: 6610
Initial Production 4 BOPD 17 BWPD
775 MCFPD 193,750 GOR

Completion Data:
Perf Drinkard 6412 - 6610. Acidized.

Subsequent Workover or Reconditioning:
10/24/79 - Fraced Drinkard.

9/8/80 - Dump acid w/1000 gals.

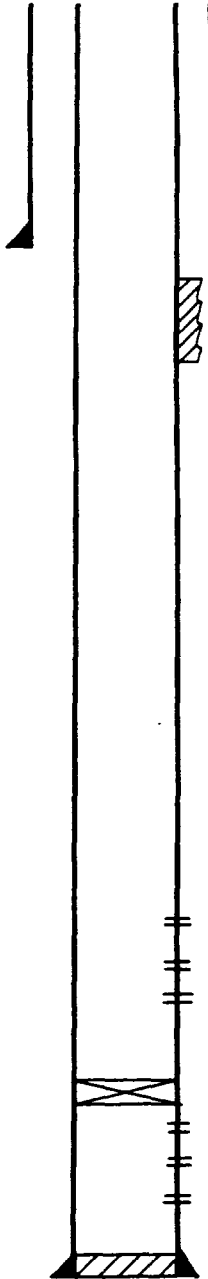
Present Prod. _____ BOPD _____ BWPD
_____ MCFPD _____ GOR
_____ Date _____

Remarks or Additional Data:
5 1/2" casing in 7 7/8" hole

PBD 6684 '
TD 6700 '

WELL DATA SHEET

LEASE American State "M" WELL NO. 8 FIELD Langlie Mattix DATE 11/30/88.
LOCATION 1980 FEET FROM S LINE AND 660 FEET FROM E LINE
SECTION 18 TOWNSHIP 22-S RANGE 37-E COUNTY Lea STATE NM



GE: 3400 '
KDB to GE 11 '
DF to GE 9 '

Date Completed 6/18/44
Initial Formation Grayburg
FROM: 3630 TO: 3690
Initial Production 1404 BOPD 0 BWPD
nm MCFPD nm GOR

Completion Data:
Perf 3630 - 90'. Acidize w/2000 gals

10 3/4" OD 40.5 lbs.
Surf. Pipe set @
492 w/ 200 sx
cmt. Circ? N/A
TOC @ Surf by Calc

Squeezed casing leak
@ 740'

Subsequent Workover or Reconditioning:
8/25/55 - Fraced w/20,000 gals oil &
20,000 #'s sand. Installed
rod pump.

7/31/56 - Repaired casing leak @
740' w/300 sxs cmt.

5/87 - Set BP @ 3620'. Perf 3430 -
70, 3490 - 3505, 3525 - 3555,
3570 - 80, 3596 - 3604'.

Penrose Perfs
3430'-3604'

BP @ 3620'
Grayburg Perfs
3630'-3690'

Present Prod. _____ BOPD _____ BWPD
_____ MCFPD _____ GOR
_____ Date

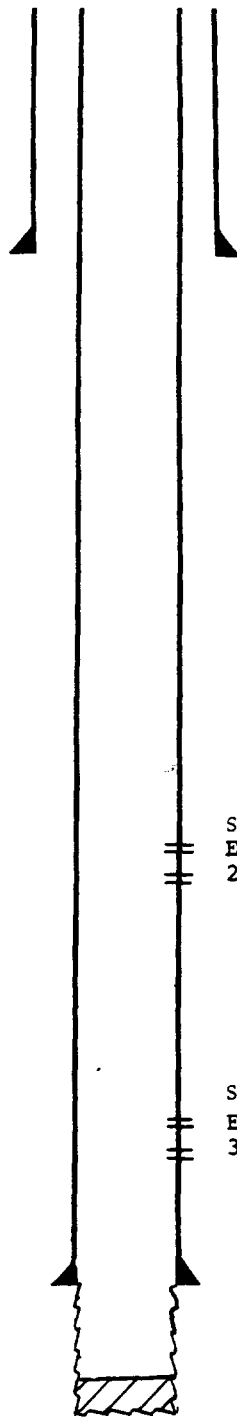
5 1/2" OD
Gr _____
14 # Csg set @
3693 ' w/ 700 sx
Cmt. Circ? No
TOC @ Surf by PS
Calc

Remarks or Additional Data:
5 1/2" casing in 7 3/4" hole
10 3/4" in 13" hole

PBD 3620 '
TD 3693 '

WELL DATA SHEET

LEASE American State "M" WELL NO. 1 FIELD Eumont Gas DATE 11/30/88
LOCATION 1830 FEET FROM S LINE AND 1980 FEET FROM E LINE
SECTION 18 TOWNSHIP 22-S RANGE 37-E COUNTY Lea STATE NM



GE: 3409 '
KDB to GE 13 '
DF to GE 12 '

9 5/8" OD 36 lbs.
Surf. Pipe set @
450 w/ 125 sx
cmt. Circ? Yes

Squeezed
Eumont Perfs
2670'-3190'

Squeezed
Eumont Perfs
3418'-3550'

7 " OD
Gr
24 # Csg set @
3609 ' w/ 500 sx
Cmt. Circ? No
TOC @ 390' by TS

Date Completed 5/1/40
Initial Formation Grayburg
FROM: 3609 TO: 3715
Initial Production 1308 BOPD BWPD
1073 MCFPD 820 GOR

Completion Data:
OH Completion

Subsequent Workover or Reconditioning:
11/44 - Treated OH 3670 - 3715' w/
2000 gals acid.

4/15/52 - Treated OH 3609 - 3715 w/
2000 gals acid.

8/56 - Set cmt rtn at 3595 and
squeezed OH 3609 - 3715 w/50
sxs. Perf Eumont 3530 - 3550.
Acidized w/100 gals. Fraced
w/10,000 gals oil & 15,000
#'s sand.

5/57 - Set RBP @ 3500'. Perf 3418 -
3472. Acidized w/1000 gals.
Fraced w/20,000 gals oil &
30,000 #'s sand. Pulled RBP.

10/75 - Set RBP @ 3275'. Perfed
2670 - 3190'. Acidized w/
2300 gals 15%. Fraced w/
42,000 gals foam and 65,000
#'s sand.

8/89 - Squeezed Eumont Perfs.
Clean-out to 3710'.
Acidized w/1400 gals

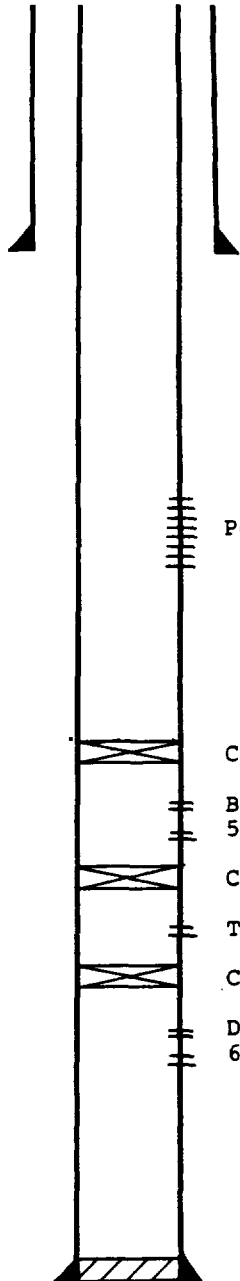
Present Prod. _____ BOPD _____ BWPD
_____ MCFPD _____ GOR
_____ Date

Remarks or Additional Data:
7" casing in 8 3/4" hole

PBD 3710 '
TD 3715 '

WELL DATA SHEET

LEASE Zia State "M" WELL NO. 49 FIELD Eunice
 LOCATION 2160 FEET FROM S LINE AND 2310 FEET FROM E LINE
 SECTION 18 TOWNSHIP 22-S RANGE 37-E COUNTY Lea STATE NM



GE: 3415 '
 KDB to GE 12 '
 DF to GE _____'

8 5/8" OD 24 lbs.
 Surf. Pipe set @
1073 w/ 620 sx
 cmt. Circ? Yes

Perfs 3806'-3909'

CIBP @ 5400'

Blinebry Perfs
 5467'-5986'

CIBP @ 6120'

Tubb Perfs 6140'-6262'

CIBP @ 6359'

Drinkard Perfs
 6432'-6558'

5 1/2" OD
 Gr
14 & 15.5# Csg set @
6719 ' w/ 1260 sx
 Cmt. Circ? No
 TOC @ 1200 by Calc

Date Completed 12/20/78
 Initial Formation Drinkard
 FROM: 6432 TO: 6558
 Initial Production 5 BOPD 3 BWPD
8 MCFPD 1600 GOR

Completion Data:
 Perf 6432 - 6558'. Acidized w/15,000
 gals.

Subsequent Workover or Reconditioning:
2/10/88 - Set CIBP @ 6359' w/35' cmt
 on top. Set CIBP @ 6120
 w/35' cmt on top. Perf
 3828 - 3842'. Acidized w/
 500 gals. Test. Perf 3909'.
 Swabbed all water. Squeeze
 perfs 3828 - 3909 w/300
 sx's.

2/23/88 - Perf Blinebry 5467 - 5986'
 acidized.

8/11/88 - Set CIBP @ 5400' w/ 20'
 cmt on top. Perf 3806'-
 3909'. Acidized w/ 500
 gals.

Present Prod. _____ BOPD _____ BWPD
 _____ MCFPD _____ GOR
 _____ Date _____

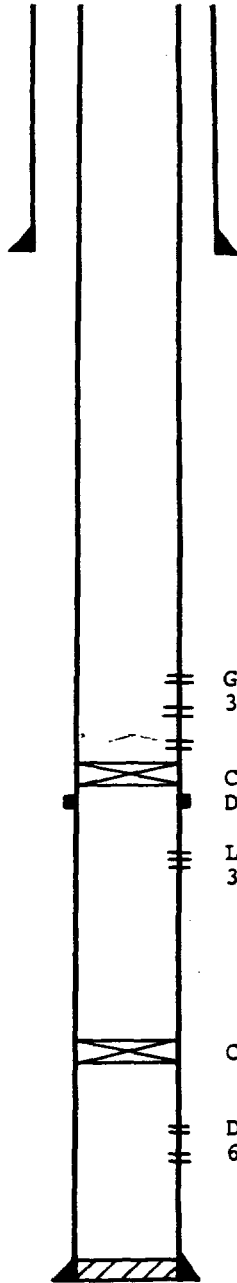
Remarks or Additional Data:
5 1/2" casing in 7 7/8" hole

PBD 5400 '

TD 6730 '

WELL DATA SHEET

LEASE Amerada State "PA" WELL NO. 4 FIELD Arrowhead DATE 11/30/88
 LOCATION 2310 FEET FROM S LINE AND 1880 FEET FROM W LINE
 SECTION 18 TOWNSHIP 22-S RANGE 37-E COUNTY Lea STATE NM



GE: 3423 '
 KDB to GE 13 '
 DF to GE _____'

8 5/8" OD _____ lbs.
 Surf. Pipe set @
1174 w/ 525 sx
 cmt. Circ? Yes

Date Completed 6/6/78
 Initial Formation Drinkard
 FROM: 6520 TO: 6613
 Initial Production 78 BOPD 78 BWPD
27 MCFPD 346 GOR

Completion Data:
Perf Drinkard 6520 - 6613'. Acidized and fraced.

Subsequent Workover or Reconditioning:
4/9/85 - Set CIBP @ 6450'. Perf 3844 - 3860'. Acidize w/ 7000 gals.

7/15/85 - Set CIBP @ 3770'. Perf Grayburg 3602 - 3684'. Acidize w/2000 gals.

7/1/87 - Acidize w/1500 gals.

Grayburg Perfs
 3602'-3684'

CIBP @ 3770'
 DV Tool @ 3785'

Lower Grayburg Perfs
 3844'-3860'

CIBP @ 6450'

Drinkard Perfs
 6520'-6613'

Present Prod. _____ BOPD _____ BWPD
 _____ MCFPD _____ GOR
 _____ Date

5 1/2" OD
 Gr K-55
14 & 17# Csg set @
6762 ' w/ 2785 sx
 Cmt. Circ? No
 TOC @ surf by PS
 Calc

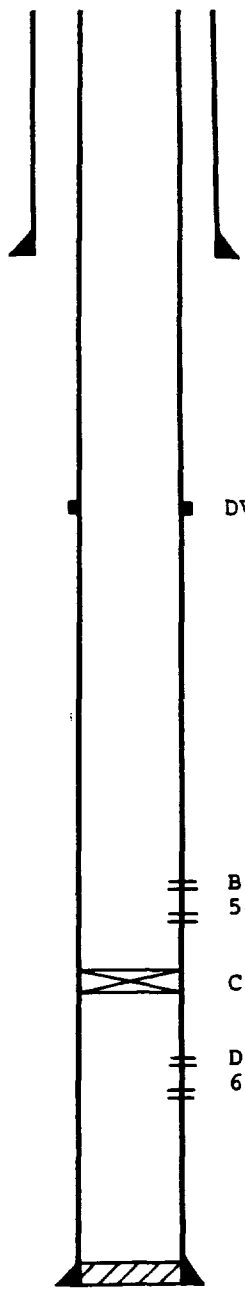
Remarks or Additional Data:
5 1/2" casing in 7 7/8" hole

PBD 3770 '

TD 6763 '

WELL DATA SHEET

LEASE Chevron A.L. Christmas (NCT-C) WELL NO. 15 FIELD Blinebry DATE 12/2/88
LOCATION 1980 FEET FROM S LINE AND 710 FEET FROM W LINE
SECTION 18 TOWNSHIP 22-S RANGE 37-E COUNTY Lea STATE NM



GE: 3435 '
KDB to GE 16.5 '
DF to GE _____'

8 5/8" OD 24 lbs.
Surf. Pipe set @
1189 w/ 500 sx
cmt. Circ? Yes

DV Tool @ 3788'

Blinebry Perfs
5494'-5699'

CIBP @ 6402'

Drinkard Perfs
6529'-6629'

5 1/2" OD
Gr K-55
15.5 # Csg set @
6700 ' w/ 1750 sx
Cmt. Circ? Yes
TOC @ _____ by TS

Date Completed 12/26/77
Initial Formation Drinkard
FROM: 6529 TO: 6629
Initial Production 90 BOPD 165 BWPD
nm _____ MCFPD nm _____ GOR

Completion Data:
Perf Drinkard 6529 - 6629. Acidized and fraced.

Subsequent Workover or Reconditioning:
12/31/82 - Set CIBP @ 6402. Perf Blinebry 5494 - 5699. Acidized and fraced.

Present Prod. _____ BOPD _____ BWPD
_____ MCFPD _____ GOR
Date _____

Remarks or Additional Data:
5 1/2" casing in 7 7/8" hole

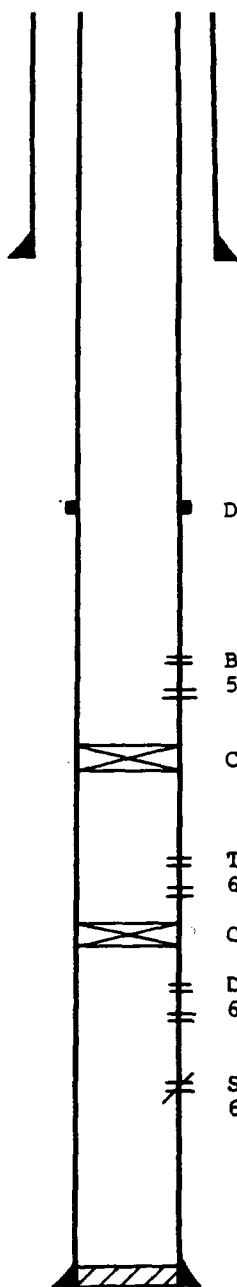
PBD 6679 '
TD 6700 '

WELL DATA SHEET

LEASE Chevron A. L. Christmas NCT-C WELL NO. 16 FIELD Blinebry DATE 12/12/88

LOCATION 810 FEET FROM S LINE AND 710 FEET FROM W LINE

SECTION 18 TOWNSHIP 22-S RANGE 37-E COUNTY Lea STATE NM



GE: 3451 '
KDB to GE 16.5 '
DF to GE _____

8 5/8" OD _____ lbs.
Surf. Pipe set @
1129 w/ 500 sx
cmt. Circ? yes

DV tool @ 3544'

Blinebry Perfs
5544'-5717'

CIBP @ 6200'

Tubb Perfs
6286'-6360'

CIBP @ 6525'

Drinkard Perfs
6574'-6580'

Squeezed Drinkard Perfs
6561'-6614'

5 1/2" OD
Gr K-55
15.5# Csg set @
6669 ' w/ 2035 sx
Cmt. Circ? yes
TOC @ _____ by TS

Date Completed 11-11-77
Initial Formation Drinkard
FROM: 6561 TO: 6614
Initial Production 0 BOPD 290 BWPD
MCFPD _____ GOR _____

Completion Data:
Perf Drinkard 6561'-6614'. Acidize.

Subsequent Workover or Reconditioning:
11/14/77 Squeezed Drinkard perfs
6561'-6614'. Perf Drinkard
6574'-6580'. Acidized.

3/28/78 Set CIBP @ 6525'. Perf Tubb
6286'-6360'. Acidized.
Frac'd.

10/6/86 Set CIBP @ 6200' w/ 35' cmt
on top. Perf Blinebry 5544'
-5717'. Acidized and frac'd

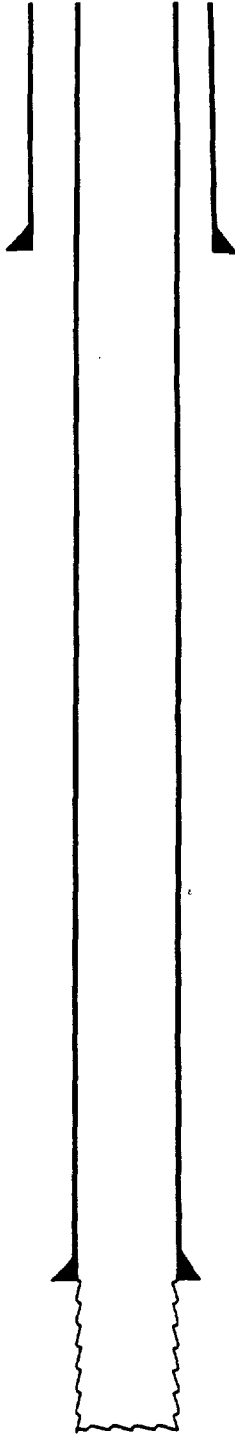
Present Prod. _____ BOPD _____ BWPD
MCFPD _____ GOR _____
Date _____

Remarks or Additional Data:
5 1/2" casing in 7 7/8" hole.

PBD 6200 '
TD 6700 '

WELL DATA SHEET

LEASE Amerada State "PA" WELL NO. 5 FIELD Eumont DATE 11/30/88
LOCATION 780 FEET FROM S LINE AND 1980 FEET FROM W LINE
SECTION 18 TOWNSHIP 22-S RANGE 37-E COUNTY Lea STATE NM



GE: 3425 '
KDB to GE '
DF to GE 10 '

8 5/8" OD 24 lbs.
Surf. Pipe set @
298 w/ 275 sx
cmt. Circ? yes

5 1/2" OD
Gr
17 # Csg set @
3300 ' w/ 1100 sx
Cmt. Circ?
TOC @ Surf by TB
Calc

Date Completed 4/6/80
Initial Formation Queen
FROM: 3300 TO: 3600
Initial Production 0 BOPD 0 BWPD
339 MCFPD GOR

Completion Data:
OH Completion

Subsequent Workover or Reconditioning:

Present Prod. BOPD BWPD
 MCFPD GOR
 Date

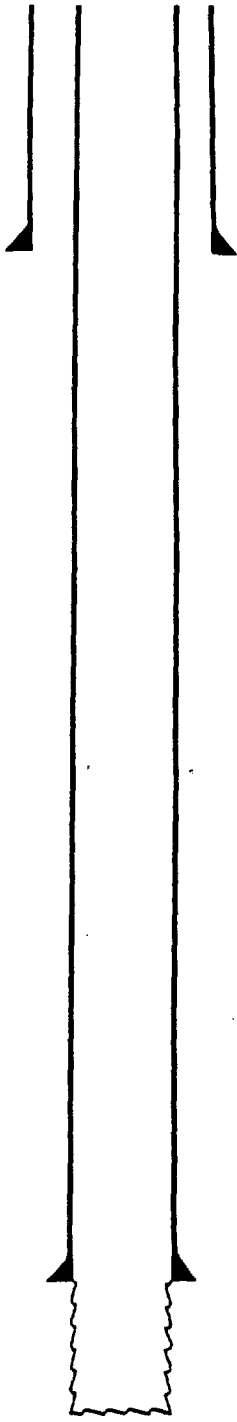
Remarks or Additional Data:
5 1/2" casing in 7 7/8" hole
8 5/8" in 12 1/4" hole

PBD '
TD 3600 '

LEASE Agua Blin-Drink SWD WELL NO. WD-N-18 FIELD San Andres SWD DATE 11/30/86

LOCATION 1150 FEET FROM S LINE AND 2250 FEET FROM W LINE

SECTION 18 TOWNSHIP 22-S RANGE 37-E COUNTY Lea STATE NM



GE: 3419 '
 KDB to GE 12 '
 DF to GE _____'

9 5/8" OD 36&40 lbs.
 Surf. Pipe set @
315 w/ 200 sx
 cmt. Circ? Yes

Date Completed 12/17/77
 Initial Formation San Andres
 FROM: 3900 TO: 4998
 Initial Production _____ BOPD _____ BWPD
 _____ MCFPD _____ GOR

Completion Data:
Acidized OH w/10,000 gals.

Subsequent Workover or Reconditioning:
9/7/88 - Acidized w/6000 gals.

7 " OD
 Gr K-55
20 # Csg set @
3900 ' w/ 1850 sx
 Cmt. Circ? Yes
 TOC @ _____ by TS

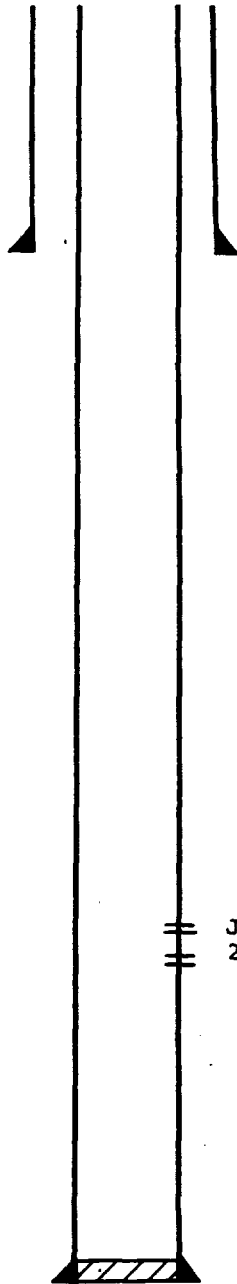
Present Prod. _____ BOPD _____ BWPD
 _____ MCFPD _____ GOR
 _____ Date

Remarks or Additional Data:
7" casing in 8 3/4" hole
8 3/4" OH

PBD _____ '
 TD 4998 '

WELL DATA SHEET

LEASE American State "M" WELL NO. 101 FIELD Jalmat DATE 11/30/88
LOCATION 990 FEET FROM N LINE AND 990 FEET FROM E LINE
SECTION 19 TOWNSHIP 22-S RANGE 37-E COUNTY Lea STATE NM



GE: 3406 '
KDB to GE _____ '
DF to GE _____ '

8 5/8" OD 20 lbs.
Surf. Pipe set @
327 w/ 200 sx
cmt. Circ? Yes

Date Completed 12/14/72
Initial Formation Yates-Seven Rivers
FROM: 2660 TO: 3202
Initial Production 0 BOPD 0 BWPD
57 MCFPD _____ GOR

Completion Data:
Perf 2660 - 32021'. Acidize & frac.

Subsequent Workover or Reconditioning:

== Jalmat Perfs
== 2660'-3202'

5 1/2 " OD
Gr J-55
15.5# Csg set @
3398 ' w/ 600 sx
Cmt. Circ? No
TOC @ 700 by TS

Present Prod. _____ BOPD _____ BWPD
_____ MCFPD _____ GOR
_____ Date

Remarks or Additional Data:
5 1/2" casing in 7 7/8" hole.

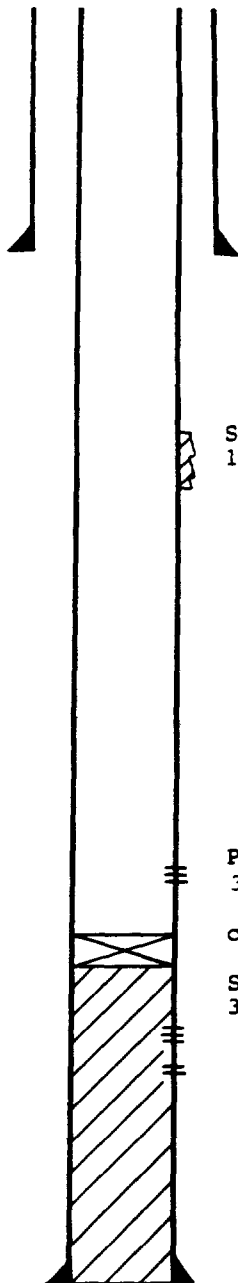
PBD 3399 '

TD 3412 '

WELL DATA SHEET

AGU 245

LEASE American State "M" WELL NO. 6 FIELD Langlie DATE 11/29/88
LOCATION 660 FEET FROM N LINE AND 1980 FEET FROM E LINE
SECTION 19 TOWNSHIP 22-S RANGE 37-E COUNTY Lea STATE NM



GE: 3411 '
KDB to GE 13 '
DF to GE 12 '

10 3/4" OD 40 lbs.
Surf. Pipe set @
480 w/ 200 sx
cmt. Circ? N/A
TOC @ 20' by Calc

Squeezed casing leaks
1582'-1611'

Penrose Perfs
3584'-3653'

cement rtn. @ 3637'

Squeezed Perfs
3645'-3704'

5 1/2 " OD
Gr _____
14 # Csg set @
3714 ' w/ 700 sx
Cmt. Circ? _____
TOC @ Surf by TS
Calc

Date Completed 4/1/44
Initial Formation Grayburg
FROM: 3645 TO: 3704
Initial Production 1580 BOPD _____ BWPD
_____ MCFPD _____ GOR

Completion Data:
Perf 3645 - 3704'. Acidized w/2000
gals.

Subsequent Workover or Reconditioning:
3/62 - Squeezed casing leaks 1582 -
1611 w/400 sxs. Squeezed
perfs 3645 - 3704 w/225 sxs
cmt. Perf 3649' and 3654' and
acidized w/500 gals.

4/65 - Squeezed perfs at 3649 and
3654 w/80 sxs. Perfed 3603',
3605', 3621', & 3633'. Fraced
w/8000 gals gelled crude.

6/89 - Perf Eumont 3584- 3653.
Acidized w/7000 gals

Present Prod. _____ BOPD _____ BWPD
_____ MCFPD _____ GOR
Date _____

Remarks or Additional Data:
5 1/2" casing in 7 7/8" hole.
10 3/4" in 13 3/4" hole

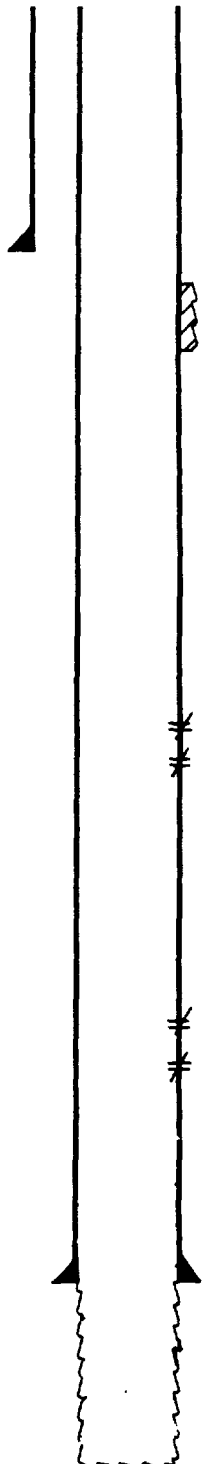
PBD 3637 '

TD 3717 '

WELL DATA SHEET

246

LEASE American State "M" WELL NO. 4 FIELD Jalmat DATE 11/29/88
LOCATION 660 FEET FROM N LINE AND 1980 FEET FROM W LINE
SECTION 19 TOWNSHIP 22-S RANGE 37-E COUNTY Lea STATE NM



GE: 3414 '
KDB to GE 12 '
DF to GE 11 '

9 5/8" OD 36 lbs.
Surf. Pipe set @
465 w/ 175 sx
cmt. Circ? N/A
TOC @ 157' by calc

Squeezed casing leak
473'-504'

Squeezed
Jalmat Perfs
2677'-3211'

Squeezed
Penrose Perfs
3492'-3571'

5 1/2" OD
Gr
17 # Csg set @
3578 ' w/ 300 sx
Cmt. Circ?
TOC @ 259 by Calc

Date Completed 10/23/40
Initial Formation Grayburg
FROM: 3578 TO: 3714
Initial Production 636 BOPD 0 BWPD
430 MCFPD 677 GOR

Completion Data:
Acidized w/4000 gals.

Subsequent Workover or Reconditioning:
3/5/52 - Acidized w/750 gals gelled
acid & 2000 gals 15%.

11/9/55 - Set Lynes packers 3610 &
3690'. Acidized w/1000
gals 15% & fraced w/20,000
gals oil & 30,000 #'s 20/
40 sand.

10/26/65 - Convert to SWD.

11/9/73 - Plugged back to 3550 w/200
sxs cmt. Perf Jalmat 2677-
3211. Acidized & fraced.

7/4/87 - Squeezed casing leak at
473 - 504'. Perf Penrose
3492 - 3571'. Set pkr at
3400'. Acidized w/3000 gals
15%. Fraced w/28,000 gals
GFW & 37,500 #'s 20/40 sd.
Left CI.

6/89 - Squeezed perfs and leaks
DO cmt to 3505' CO to 3714'

Present Prod. _____ BOPD _____ BWPD
_____ MCFPD _____ GOR
_____ Date

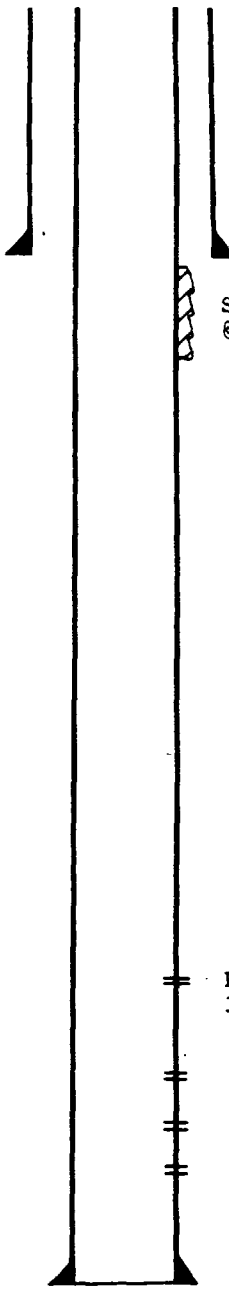
Remarks or Additional Data:
5 1/2" casing in 6 3/4" hole.
9 5/8" in 13 1/4" hole.
Depths from GL.

PBD _____ '
TD 3714 '

WELL DATA SHEET

AGU 247

LEASE American State "M" WELL NO. 5 FIELD Langlie DATE 11/29/88
LOCATION 660 FEET FROM N LINE AND 660 FEET FROM W LINE
SECTION 19 TOWNSHIP 22-S RANGE 37-E COUNTY Lea STATE NM



GE: 3430 '
KDB to GE 10 '
DF to GE 9 '

9 5/8" OD 36 lbs.
Surf. Pipe set @
459 w/ 175 sx
cmt. Circ? N/A
TOC @ 151' by calc
Squeezed casing leak
@ 490'

Penrose/Grayburg Perfs
3540'-3715'

5 1/2" OD
Gr _____
17 # Csg set @
3718 ' w/ 300 sx
Cmt. Circ? No
TOC @ 399 by TS
Calc

Date Completed 11/9/40
Initial Formation Penrose/Grayburg
FROM: 3540 TO: 3715
Initial Production 384 BOPD 0 BWPD
nm MCFPD nm GOR

Completion Data:
Perf 3540 - 3715'. Acidize w/3000
gals.

Subsequent Workover or Reconditioning:
4/21/87 - Fraced w/20,000 gals GBW
and 36,000 #'s 20/40 sand.

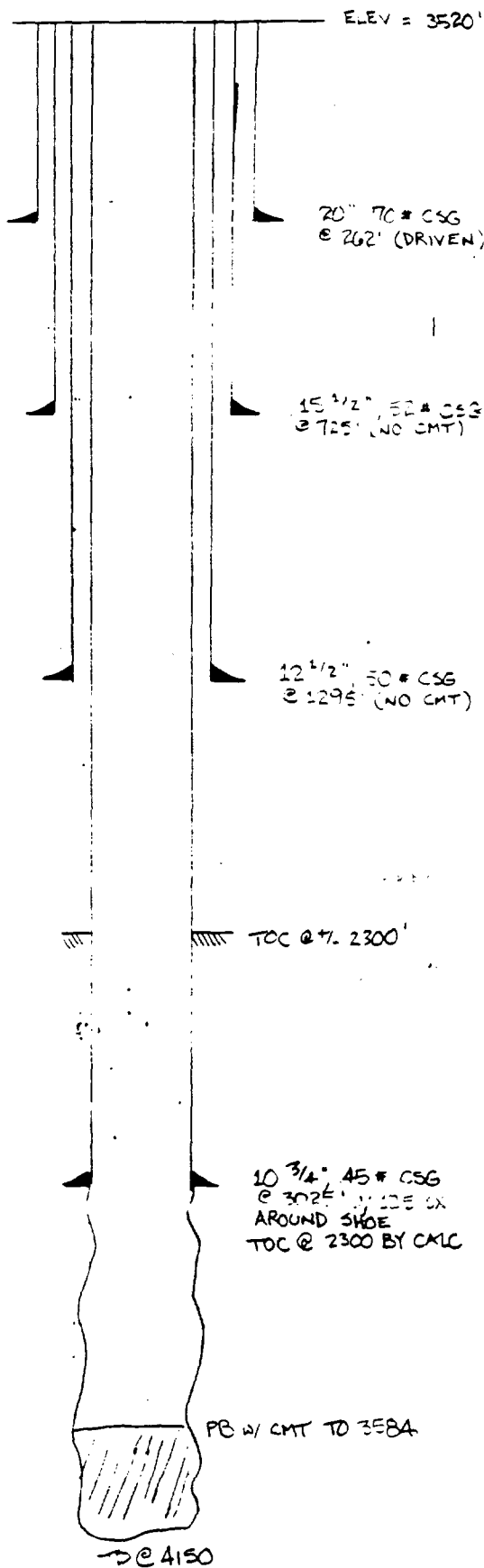
10/88 - Squeezed casing leak @ 490'
w/300 sxs.

Present Prod. _____ BOPD _____ BWPD
_____ MCFPD _____ GOR
Date _____

Remarks or Additional Data:
5 1/2" casing in 6 3/4" hole.
9 5/8" in 13 3/4" hole

PBD _____
TD 3719 '

WELL NO. H.T. MATTERN (NCT-A) #1 FIELD/POOL EUMONT DA. 1/91
 SECTION 330 FEET FROM SOUTH LINE AND 2310 FEET FROM EAST LINE
 SECTION 24, T21S-R36E, UNIT LETTER O COUNTY LEA STATE NM



Date Completed _____
 Initial Formation _____
 From: _____ to _____ GOR _____
 Initial: Production bopd _____ bwpd _____
 Or: Injection bwpd @ _____ psi
 Completion Date:
(OCTOBER 1928) SHOT OH 3025-3448 w/ NITRO.
IPF 5.5 MMCFGPD

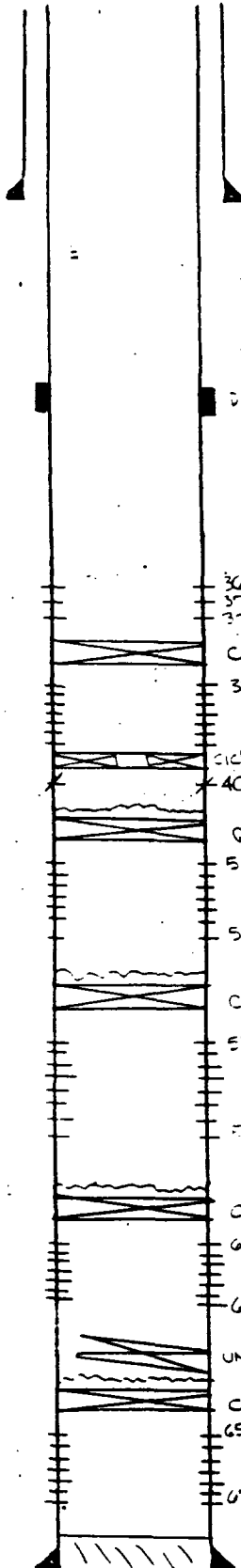
Subsequent Workover or Reconditioning:
(DECEMBER 1954) ACIDIZ OH w/ 100 GALS 10% HCl
FRAC'D w/ 10,000 GALS OIL & 10,000 # SAND
IPF 1.9 MMCFGPD

(MAY 1973) SO SALT & FILL FROM 2367-3584
ACIDIZ OH w/ 1200 GALS 10% NEA IPF 110 MCFGPD
BEFORE - 50 MCFGPD

Present Inj. _____ bwpd @ _____ psi Date _____
 Present Prod. _____ bopd _____ bwpd Date _____
 GAS _____ MCFPD

Remarks Or Additional Data:
TOC CALCULATION BASED ON 12" X 10 3/4"
DIAMETERS (i.e. HOLE SIZE x CSG OD) AND
1.32 CU FT/SX w/ 30% LOSSES

LEASE & WELL NO. H.T. MATTERN (NCT-A) #4 FIELD/POOL PENROSE/SKELLY DATE 1/91
 LOCATION 660 FEET FROM SOUTH LINE AND 1650 FEET FROM EAST LINE
 SECTION 24, T21S-R36E, UNIT LETTER O COUNTY LEA STATE NM



GE 3510
 KDB to GE _____
 DF to GE _____

2 5/8" OD Surface Pipe
 set @ 1250' w/ 225' sx
 Cmt. Circulated? YES

2770-2930

3671-73
 3712-1A
 3762-64

CIBP @ 3800

3860

PENROSE SKELLY
 PERFS

4040-42
 4040-35

CIBP @ 5150 w/ 35' CMT

5180

PADDOCK
 PERFS

5408

CIBP @ 5490 w/ 35' CMT

5544

BLINERRY
 PERFS

5708

CIBP @ 6250 w/ 35' CMT

6312

TUBBS
 PERFS

6419

UNSET CIBP @ 6451

CIBP @ 6490 w/ 25' CMT

6514

DRINKARD
 PERFS

6709

P&A 3800
 TD 2800

5 1/2" OD 15.5 lb Thd
 Gr. K-55 Csg.
 set @ 6800' w/ 2450' sx
 Cmt Circulated? YES
 TOC @ ~ by TS

Date Completed FEBRUARY 1978
 Initial Formation BLINERRY
 From: 5544 to 5708 cor 0
 Initial: Production 11 bopd 35 bupd
 Or: Injection bupd @ psi

Completion Data:
(OCTOBER 1977) PERF'D DRINKARD @ 6514-6709 & ACID'Z
w/ 2000 GALS 15% NEA FRAC'D w/ 35,500 # S&S & GE
& 28,000 # SAND TA'D DRINKARD BY SETTING CIBP @
6490

PERF'D TUBE @ 6312-6419 & ACID'Z w/ 1000 GALS 15%
NEA FRAC'D w/ 32,000 GALS GEL'ED WTR & 24,000 #
SAND TA'D BY SETTING CIBP @ 6250 & CAPPED w/ 35'

Subsequent Workover or Reconditioning:
PERF'D BLINERRY @ 5544-5708 & ACID'Z w/ 2130 GALS
15% NEA FRAC'D w/ 10,000 GALS & 13,250 # SAND

AUGUST 1978 ACID'Z BLINERRY w/ 750 GALS 15% NEA

(JULY 1980) ABANDONED BLINERRY BY SETTING CIBP @
5490 & CAPPED w/ 35' CMT. PERF'D PADDOCK @ 5180-
5408. BROKE DOWN w/ 250 GALS 15% NEA. NO SHOW
OF OIL OR GAS. CI.

(OCTOBER 1980) SET CIBP @ 5150 & CAPPED w/ 35'
CMT. CI.

(DECEMBER 1980) PERF'D 4040-42 & 4080-88
IN PENROSE SKELLY. BLOC SQZ'D w/ 75 SX. PERF'D
PENROSE SKELLY @ 3860-4004 ACID'Z & TESTED
WET. SET CIBP @ 3800. PERF'D PENROSE SKELLY
3671-3764. ACID'Z w/ 3000 GALS 15% NEA.
UNSUCCESSFUL (i.e. WET)

Present Inj. bupd @ _____ psi Date _____
 Present Prod. bopd _____ bupd Date _____
 GAS _____ MCFPD _____

Remarks Or Additional Data: _____

EXXON

LEASE & WELL NO. NEW MEXICO G STATE # 27

EUMONT

LOCATION 1980

FEET FROM SOUTH

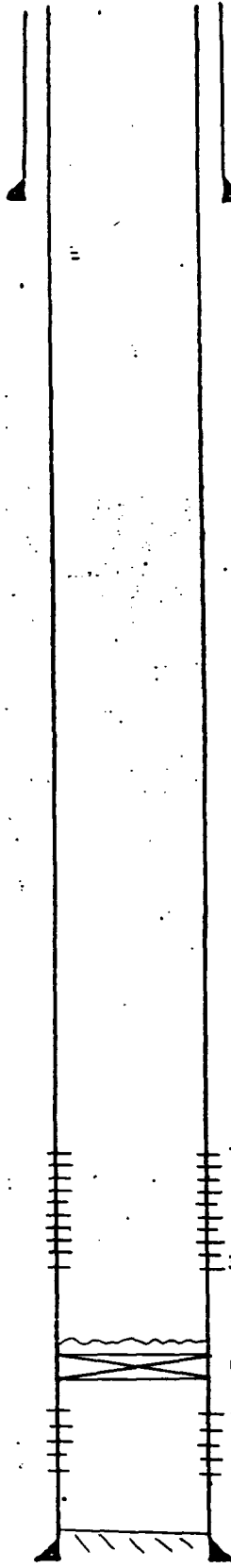
LINE AND 350

FEET FROM EAST LINE

SECTION 26-T21S-R36E UNIT LETTER I

COUNTY LEA

STATE NM



GE 3545'
 KDB to GE _____'
 DF to GE _____'

8 5/8" OD Surface Pipe
 sec @ 1338' w/ 720' sx
 Cmt. Circulated? NO
 TSITOC @ 30'

Date Completed _____
 Initial Formation _____
 From: _____ to _____ GOR _____
 Initial: Production _____ bopd _____ bwpd _____
 Or: Injection _____ bwpd @ _____ psi

Completion Data:
 (JULY 1989) PERF'D GRAYBURG @ 3854-3976
 & ACID'Z. SET CIBP @ 3840 & CAPPED w/ 2
 SX CMT.
 PERF'D QUEEN @ 3563-3776 & ACID'Z w/
 1700 GALS 15% NFA.

Subsequent Workover or Reconditioning:

Present Inj. _____ bwpd @ _____ psi Date _____
 Present Prod. _____ bopd _____ bwpd Date _____
 GAS _____ MCFPD _____

Remarks Or Additional Data:
 TOC CALC BASED ON A CEMENT YIELD OF
 1.32 CU FT/SX AND ASSUMES 30% LOSSES.

5 1/2" OD 14 # _____ Thd
 Gr. K55 _____ Csg.
 sec @ 4105' w/ 800' sx
 Cmt Circulated? YES
 TOC @ SURF _____ by SS
 CALC.

PBD 3840
 TD 4200

LEASE & WELL NO. W.A. RAMSAY (NCT-A) #18 FIELD/POOL EUMONT DATE 1/91

LOCATION 660 FEET FROM NORTH LINE AND 1980 FEET FROM WEST LINE

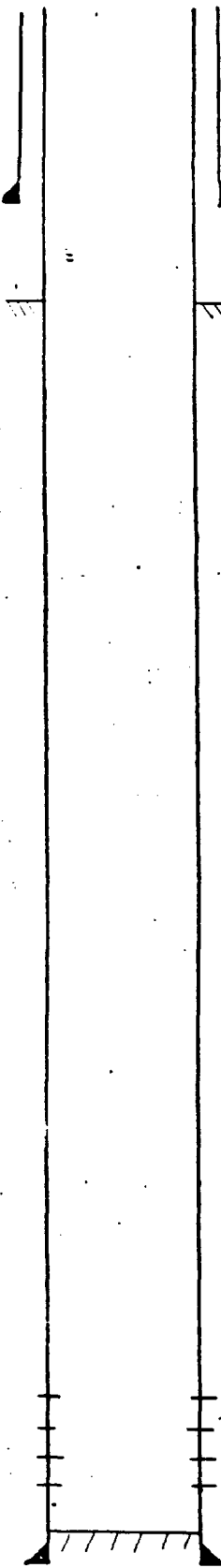
SECTION 35, T21S-R36E; UNIT LETTER C COUNTY LEA STATE NM

GE 3553
KDB to GE 9
DF to GE _____

Date Completed _____
Initial Formation _____
From: _____ to _____ GOR _____
Initial: Production _____ bopd _____ bwpd _____
Or: Injection _____ bwpd @ _____ psi

Completion Data:
(JUNE 1956) PERF'D PENROSE @ 3798-3812 & 3824-42. BROKE DOWN W/ 250 GALS ACID. FRAC'D W/ 6000 GALS LSE OIL W/ 1 PRG SAND. IFF 103 BOPD 18 BWPD & 229 MCFGPD

8 5/8 " OD Surface Pipe
set @ 240 ' w/ 225 sx
Cmc. Circulated? YES



TOC @ 385'

Subsequent Workover or Reconditioning:
(DECEMBER 1957) ADDED PERFS @ 3760-66 & 3770-82 & ACID'Z W/ 250 GALS. FRAC'D 3760-3842 W/ A TOTAL OF 30,000 GALS LSE OIL & 30,000 # SAND IN 5 EQUAL STAGES @ 17 BPM.

(SEPTEMBER 1964) ACID'Z W/ 500 GALS

(MAY 1973) INSTALLED PRG EQUIP

(MAY 1988) CO 9' FILL. SPOTTED 100 GALS X-25 SCALE CONVERTER/DISSOLVER ACROSS PERFS. PUMPED 700 GALS X-25 INTO FMTN. ZI FOR 36 HR. SWABBED WELL CLEAN & ACID'Z W/ 3000 GALS 15% NEA.

3760-66
3770-82
3798-3812
3824-42

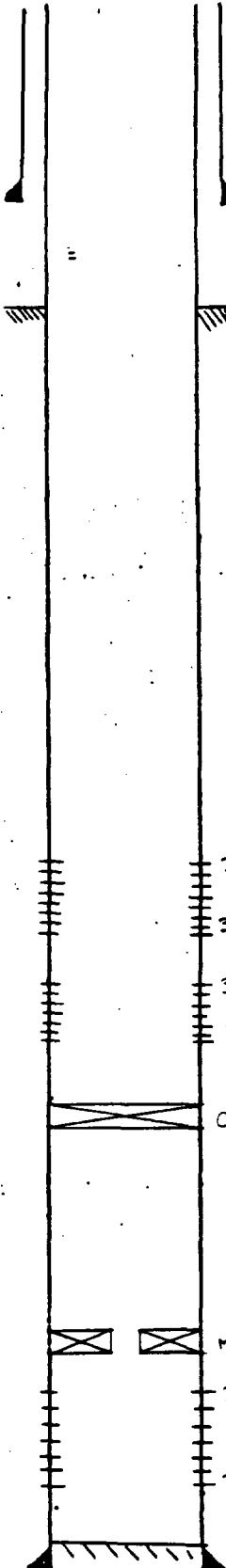
Present Inj. _____ bwpd @ _____ psi Date _____
Present Prod. _____ bopd _____ bwpd Date _____
GAS _____ MCFPD _____

Remarks Or Additional Data: _____

PBD 3855
TD 3860

5 1/2 " OD 14 0 Thd
Gr. J-55 Csg.
set @ 3859 ' w/ 2100 sx
Cmc Circulated? NO
TOC @ 385 ' by TS

LEASE & WELL NO. W.A. RAMSAY (NCT-A) #20 FIELD/POOL EUMONT DATE 1/91
 LOCATION 1980 FEET FROM NORTH LINE AND 660 FEET FROM WEST LINE
 SECTION 35, T21S-R36E UNIT LETTER E COUNTY LEA STATE NM



GE 3577'
 KDB to GE _____'
 DF to GE _____'

8 5/8" OD Surface Pipe
 sec @ 264' w/ 225' sx
 Cmc. Circulated? YES

TOC @ 475'

3100 } EUMONT
 3190 } GAS
 3220 } PERFS
 3260 }

CIBP @ 3310

MODEL D PKR @ 3775'

3784 } EUMONT
 3864 } OIL
 PERFS

5 1/2" OD 14 # Thd
 Gr. J-55 Csg.
 sec @ 3880' w/ 1100' sx
 Cmc Circulated?
 TOC @ 475' by TS

PBD 3877'
 TD 3880'

Date Completed _____
 Initial Formation _____
 From: _____ to _____ GOR _____
 Initial: Production _____ bopd _____ bwpd
 Or: Injection _____ bwpd @ _____ psi

Completion Data:
 (AUGUST 1956) PERF'D PENROSE @ 3822-26, 3832-46 & 3858-64 w/ 4 JHPF. BROKE DOWN w/ 250 GALS MUD ACID. FRAC'D w/ 8000 GALS REF'D OIL w/ 1 PPG SAND @ 22 BPM. FLOWED 69 BO & 115 BW IN 4 HRS. DAILY RATE OF 414 BOPD, 9 BWPD & 181 MCFPD

Subsequent Workover or Reconditioning:
 (DECEMBER 1956) DUALY COMPLETED w/ EUMONT GAS, SET MODEL D PKR @ 3775. PERF'D 3100-90 & 3220-60 w/ 2 JHPF. BROKE DOWN w/ 500 GALS MUD ACID. FRAC'D w/ A TOTAL OF 13,000 GALS LSE OIL w/ 1 PPG SAND IN 2 STAGES @ 27 BPM. EUMONT GAS JPF 4.2 MMCFPD w/ AN AOF = 19 MMCFPD. OIL ZONE FIG 69 BOPD, 19 BWPD & 54 MCFPD.

(JANUARY 1958) PERF'D ADD'L PAY IN OIL ZONE @ 3784-92, 3796-3801 & 3806-14 w/ 4 JHPF. ACID'Z w/ 500 GALS. FRAC'D w/ A TOTAL OF 15,000 GALS REF'D OIL w/ 1 PPG SAND IN 3 EQUAL STAGES @ 10 BPM. JPF 52 BOPD, 11 BWPD & 88 MCFPD. BEFORE - FIG 37 BOPD & 10 BWPD.

(FEBRUARY 1965) INSTALLED PPG EQUIP FOR OIL ZONE. IPP 23 BOPD & 23 BWPD. BEFORE - FIG 3 BOPD & 1 BWPD.

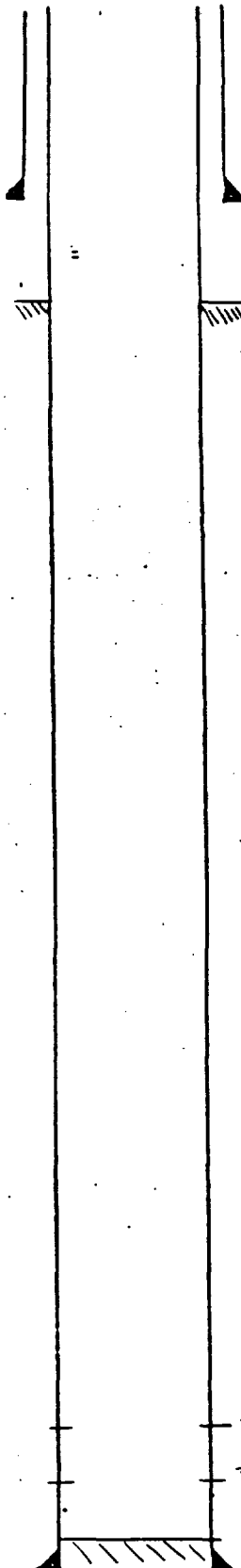
(AUGUST 1971) PULLED SEAL ASSEMBLY & TAIL PIPE FROM MODEL D PKR. SET CIBP @ 3310. RIH w/ PKR & SINGLED IN GAS ZONE.

Present Inj. _____ bwpd @ _____ psi Date _____
 Present Prod. _____ bopd _____ bwpd Date _____
 GAS _____ MCFPD

Remarks Or Additional Data:

BPH
 1/91

LEASE & WELL NO. W.A. RAMSAY (NCT-A) #19 FIELD/POOL EUMONT DATE 1/91
 LOCATION 1980 FEET FROM SOUTH LINE AND 660 FEET FROM WEST LINE
 SECTION 35, T21S-R36E; UNIT LETTER L COUNTY LEA STATE NM



GE 3573
 KDB to GE _____
 DF to GE _____

8 5/8 " OD Surface Pipe
 set @ 253 ' w/ Z25 sx
 Cmc. Circulated? YES

TOC @ 467'

Date Completed _____
 Initial Formation _____
 From: _____ to _____ COR _____
 Initial: Production _____ bopd _____ bupd
 Or: Injection _____ bupd @ _____ psi

Completion Data:
(JULY 1956) PERF'D PENROSE @ 3809-27 & 3837-55 w/ 4 JHPF BROKE DOWN w/ 250 GALS & FRAC'D w/ 8000 GALS REF'D OIL w/ 1 PPG SAND @ 19 BPM. IFF 198 BOPD, 0 BWPD & 272 MCFPD

Subsequent Workover or Reconditioning:
(SEPTEMBER 1962) INSTALLED PFG EQUIP. IFF 31 BOPD & 7 BWPD. B4 - FLG 16 BOPD & 4 BWPD

FEBRUARY 1970) CO 2A. FIL TO 3871 & ACID 2 w/ 500 GALS. IFF 11 BOPD & 16 BWPD. BEFORE - PFG 7 " 0 "

Present Inj. _____ bupd @ _____ psi Date _____
 Present Prod. _____ bopd _____ bupd Date _____
 GAS _____ MCFPD _____

Remarks Or Additional Data: _____

3809-27
3827-55

PBD 3874
 TD 3875

5 1/2 " OD 14 # Thd
 Gr. J-55 Csg.
 set @ 3874 ' w/ 1570 sx
 Cmc Circulated? NO
 TOC @ 467 ' by TS

TEXACO

USE & WELL NO. V.M. HENDERSON # 10

PADDOCK, DRINKARD, & PENROSE SKELLY DA.

LOCATION 660 FEET FROM NORTH LINE AND 660 FEET FROM WEST LINE

SECTION 30-T21S-R37E, UNIT LETTER D COUNTY LEA STATE NM

Date Completed _____

Initial Formation _____

From: _____ to _____ COR _____

Initial: Production _____ bopd _____ bwpd _____

Or: Injection _____ bupd @ _____ psi

Completion Data: _____

(MAY 1962) PERF'D PENROSE SKELLY STRING @ 3660-3777 & ACID'Z.

PERF'D PADDOCK STRING @ 5146-51 & ACID'Z

PERF'D DRINKARD STRING @ 6611-6706 & ACID'Z

G.E. = 3503'

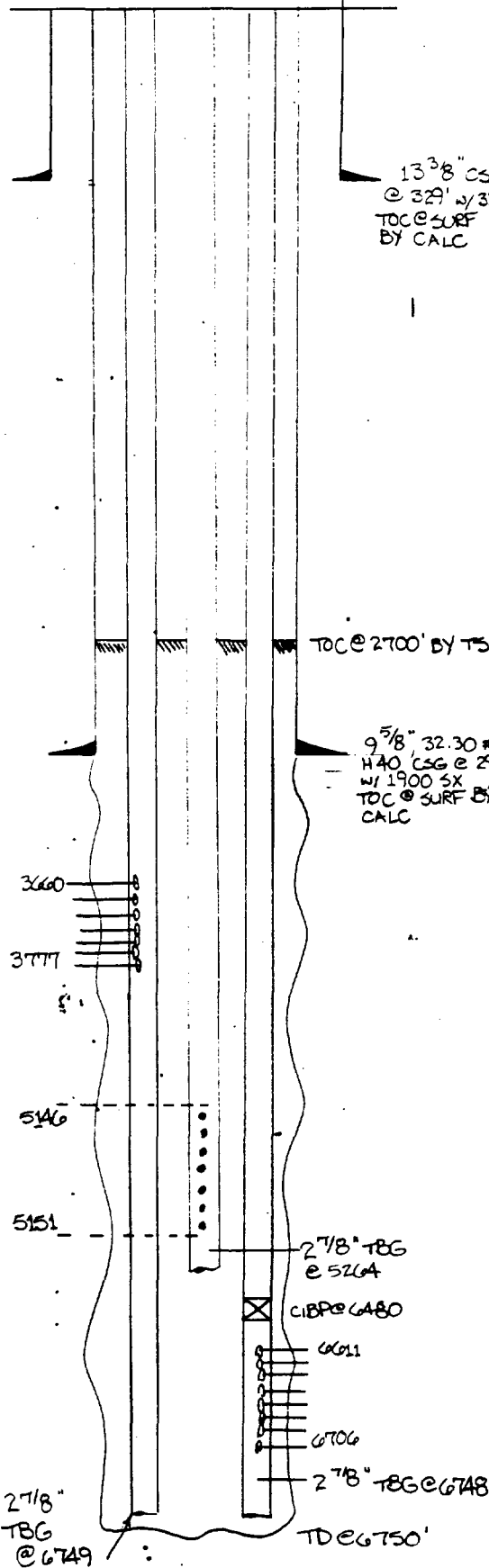
13 3/8" CSG @ 329' w/ 325 SX TOC @ SURF BY CALC

Subsequent Workover or Reconditioning:

(AUGUST 1969) CLOSED-IN

(JANUARY 1975) SET CEP IN DRINKARD STRING @ 6480.

ACID'Z PADDOCK.



Present Inj. _____ bwpd @ _____ psi Date _____

Present Prod. _____ bopd _____ bwpd Date _____

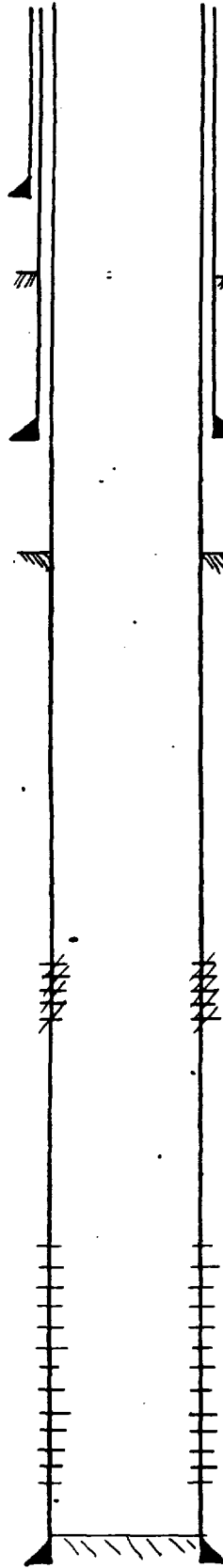
GAS _____ MCFPD _____

Remarks Or Additional Data: _____

TOP OF CEMENT CALCULATIONS ARE BASED ON A CEMENT YIELD OF 1.32 CU. FT./SX AND ASSUME 30% LOSSES.

CHEVRON (FORMERLY HANSON)

LEASE & WELL NO. MATTERN #1 FIELD/POOL BLINEBRY OIL & GAS DATE _____
LOCATION 1650 FEET FROM SOUTH LINE AND 660 FEET FROM WEST LINE.
SECTION 30-T215-R37E, UNIT LETTER L COUNTY LEA STATE NM



GE 3516
KDB to GE _____
DF to GE _____

12 3/4 " OD Surface Pipe
set @ 309 ' w/ 250 sx
Cmt. Circulated? YES

TOC @ 1408 BY CALC

8 5/8 " OD 24 & 32 # _____ Thd
CR. _____ Csg.
set @ 2080 w/ 350 sx
Cmt Circulated? NO
TOC @ 1408 ' by TS
CALC

TOC @ 2710 BY TS

5192 } Paddock Perfs
5197 } SRE'D w/
200 SX

5516

BLINEBRY
PERFS

5918

PBD
TD 5975

5 1/2 " OD 15.5 # _____ Thd
CR. K55 _____ Csg.
set @ 5975 ' w/ 450 sx
Cmt Circulated? NO
TOC @ 2710 ' by TS

Date Completed _____
Initial Formation _____
From: _____ to _____ GOR _____
Initial: Production _____ bopd _____ bwpd
Or: Injection _____ bwpd @ _____ psi

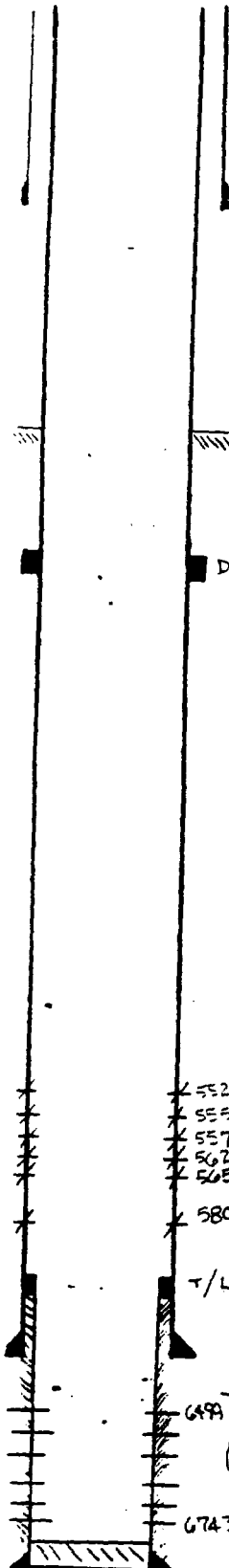
Completion Data:
MAY 1970 PERFD Paddock 5192 & ACIDIZ.
PERFD BLINEBRY 5516 - 5918. ACIDIZ &
FRAC'D w/ A TOTAL OF 48,740 GALS &
33,000 # SAND.
ACIDIZ Paddock w/ 20 BBLs MUD ACID.

Subsequent Workover or Reconditioning:
(MARCH 1972) SQZ'D Paddock PERFS 5192-97
w/ 200 SX CMT. INSTALLED PPG EQUIP FOR
BLINEBRY.

Present Inj. _____ bwpd @ _____ psi Date _____
Present Prod. _____ bopd _____ bwpd Date _____
GAS _____ MCFPD _____

Remarks Or Additional Data:
TOC CALCULATION BASED ON A CEMENT
YIELD OF .32 CU FT/SX & 30% LOSSES.

WELL NO. H.T. MATTERN (NCT-B) # 14 FIELD/POOL DRINKARD DATE 1/91
 SECTION 660 FEET FROM SOUTH LINE AND 660 FEET FROM WEST LINE
 TOWNSHIP 30-T215-R37E, UNIT LETTER M COUNTY LEA STATE NM



GE 3519
 KDB TO GE 11.25
 DF TO GE _____

2 5/8 " OD Surface Pipe
 set @ 1249 ' w/ 400 ex
 Cnt. Circulated? YES

Date Completed MARCH 1972
 Initial Formation BLINEBRY
 From: 5522 to 5811 COR
 Initial: Production bopd _____ bwpd _____
 Or: Injection bwpd @ _____ psi

Completion Data:
(MARCH 1972) PERF'D BLINEBRY @ 5522-26 5590-54 5570-80 5622-26 5651-55 & 5807-11 W/ 2 JHPF. BROKE DOWN W/ 400 GALS 15% NEA & FRAC'D W/ A TOTAL OF 36,000 GALS GELLED WTR W/ 1-3 PPG SAND IN 6 STAGES @ 15 BPM. IFF 200 BOP & 580 BWP IN 21 HRS.

Subsequent Workover or Reconditioning:
MAY 1973) INSTALLED PPG EQUIP. IFF 97 BOPD & 136 BWPD.

(JANUARY 1976) SQZ'D BLINEBRY PERFS 5522-5811 W/ 50 SX. DO & TESTED TO 500 PSI - BLEED TO 0 IN 10 MINUTES DEEPENED TO 6820. RAN 4", 11.34" #, K55 LINER TO 6819 W/ TOP LINER @ 5830. CMT'D W/ 75 SX DRILLED OUT CMT FROM ABOVE LINER TOP TO 6778. PERF'D DRINKARD @ 6499-6502, 6549-52, 6608-11, 6655-58, 6694-97 & 6740-43 W/ 4 JHPF. ACID'Z EACH SET W/ 400-600 GALS 15% NEA. FRAC'D W/ A TOTAL OF 42,000 GALS GELLED WTR W/ 1-2 PPG SAND IN 6 EQUAL STAGES @ 15 BPM. DRINKARD IFF 72 BOPD & 66 BWP. BLINEBRY TA'D.

(AUGUST 1976) INSTALLED PPG EQUIP. PUMPING UNDER PACKER @ 41 BOPD & 58 BWPD.

(AUGUST 1979) SQZ'D BLINEBRY PERFS 5522-5811 W/ 42 SX. DO & TESTED TO 340 PSI - OK. DRINKARD PPG 27 BOPD, 43 BWPD & 66 MCFGPD.

(JUNE 1980) ACID'Z DRINKARD W/ 2000 GALS 15% NEA. IFF 30 BOPD, 29 BWPD & 107 MCFGPD.

5522-26 } SQZ'D
 5590-54 } BLINEBRY
 5570-80 }
 5622-26 } PERFS
 5651-55 } W/ 92 SX
 5807-11 }

T/LINER @ 5830
 5 1/2" OD 15.5 # Thd
 GF. K-55 Cog.
 set @ 5903 ' w/ 735 ex
 Cnt Circulated? NO
 TOC @ 2170 ' by TS

DRINKARD PERFS
 6-3' ZONES
 @ 4 JHPF

4", 11.34" W, K55 LINER
 @ 6819' W/ 75 SX

Present Inj. bwpd @ _____ psi Date _____
 Present Prod. bopd _____ bwpd _____ Date _____
 GAS _____ MCFGPD _____

Remarks Or Additional Data:

PBD 6778
 TO 6820

BPH
 1/91

WELL NO. H.T. MATTERN (NCT-B) # 16 FIELD/POOL DRINKARD DATE 1/91
 SECTION 330 FEET FROM NORTH LINE AND 330 FEET FROM WEST LINE
 SECTION 31, T215-R37E, UNIT LETTER D COUNTY LEA STATE NM

GE 3511
 KDB to GE 11.5
 DF to GE _____

5 5/8" OD Surface Pipe
sec @ 1237' w/ 400 ax
 Cmt. Circulated? YES

Date Completed MAY 1972
 Initial Formation BLINEBRY
 From: _____ to _____ GOR _____
 Initial: Production _____ bopd _____ bupd _____
 Or: Injection _____ bupd @ _____ psi

Completion Data:
MAY 1972) PERF'D BLINEBRY @ 5532-34, 5565-67,
5617-19, 5647-49, 5684-94, & 5729-31 w/ 4 JHPF
CRACK DOWN w/ 300 GALS 15% NEA. FRAC'D w/ A
TOTAL OF 35,000 GALS GELLED WTR w/ 1-3 PPG
SAND IN 6 EQUAL STAGES @ 9 BPM. IFF 15E BC
& 303 BLW IN 18 HRS.

Subsequent Workover or Reconditioning:
AUGUST 1972) INSTALLED PPG EQUIP.

DECEMBER 1975) SOZ'D BLINEBRY PERFS 5532-5731
w/ 225 SX. DEEPENED WELL TO 6810. SET 4"
11.6" # K55 FJ HYDRIL LINER @ 6809 & CMT'D w/ GE
EX. PERF'D DRINKARD @ 6301-04, 6554-57, 6584-87,
6616-19, 6648-51, 6668-71, 6700-03, & 6732-35 w/
4 JHPF. ACID'Z w/ 400 GALS EA & ENTIRE INTERVAL
w/ 3369 GALS 15% NEA. FRAC'D w/ A TOTAL OF
50,000 GALS GELLED WTR w/ 1-2 PPG SAND IN 8 EQUAL
STAGES @ 15 BPM. IFF 11C BOPD & 125 BLWPD.

JANUARY 1976) INSTALLED PPG EQUIP.

(OCTOBER 1976) DOWNHOLE COMMINGLED DRINKARD
& BLINEBRY. REOPENED BLINEBRY INTERVAL BY
ACIDIZING EACH SET OF PERFS w/ 500 GALS 15%
NEA. IFF 14 BOPD & 178 BLWPD.

(MAY 1978) SOZ'D BLINEBRY PERFS w/ A TOTAL
OF 150 SX. DO & TESTED TO 300 PSI - OK
DRINKARD IFF 6 BOPD, 67 BWPD & 182 MCEGPD.

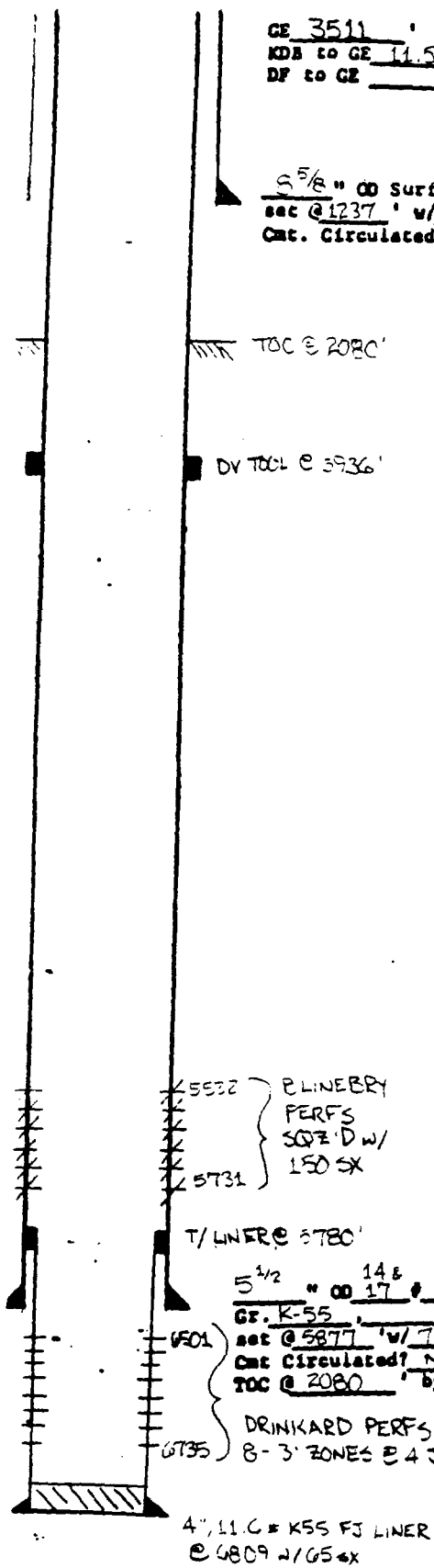
APRIL 1979) 500 GAL ACID JOB & SCALE SOZ'

(MAY 1982) SCALE SOZ'

(JANUARY 1984) 5% EX. DUMP ACID JOB

Present Inj. _____ bupd @ _____ psi Date _____
 Present Prod. _____ bopd _____ bupd Date _____
 GAS _____ MCFPD _____

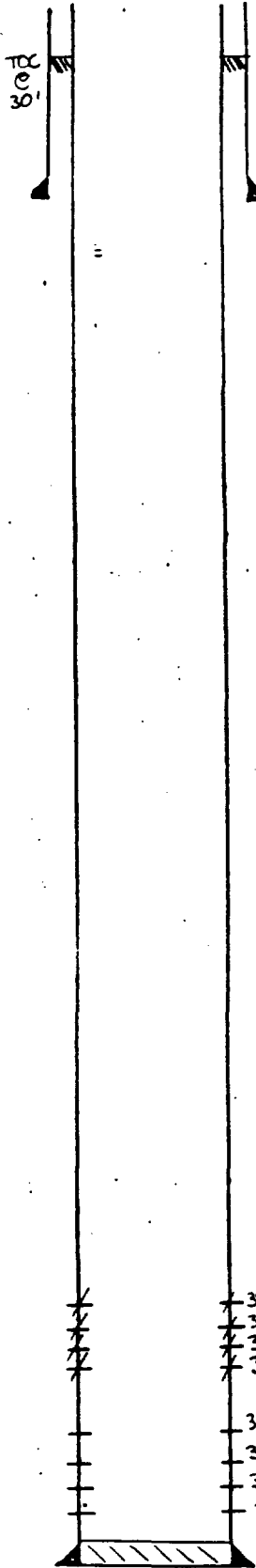
Remarks Or Additional Data:



PBD 6766
 TD 6810

RPH
 1/91

LEASE & WELL NO. H.T. MATTERN (NCT-B) #12 FIELD/POOL PENROSE SKELLY DATE 1/91
 LOCATION 1980 FEET FROM NORTH LINE AND 660 FEET FROM WEST LINE
 SECTION 31, T21S-R37E UNIT LETTER E COUNTY LEA STATE NM



GE 3482
 KDS to GE 12.10
 DF to GE _____

2 5/8 " OD Surface Pipe
 sec @ 410 ' w/ 300 sx
 Cmt. Circulated? YES

* 3711-20 } SOZ'D w/
 * 3727-32 } 650 SX
 * 3740-53 }
 * 3759-67 }

3774-86
 3794-3800
 3804-14
 3819-21

5 1/2 " OD 14 # Thd
 Gr. J-55 Csg.
 sec @ 3825 ' w/ 925 sx
 Cmt Circulated? NO
 TOC @ 30 by TS

PBD 3822
 TD 3825

Date Completed MARCH 1958
 Initial Formation PENROSE SKELLY
 From: 3774 to _____ GOR
 Initial: Production bopd _____ bupd _____
 Or: Injection bupd @ _____ psi

Completion Data:
(MARCH 1958) PERF'D PS @ 3774-86 94-3800
04-14, & 19-21 w/ 4 JHPF. FROKE DOWN w/ 250
GALS MA & FRAC'D w/ A TOTAL OF 20,000 GALS
150 OIL & 20,000 # SAND IN 4 EQUAL STAGES @
24 BPM.

PERF'D 3711-20, 27-32 40-53 & 59-67 w/ 4 JHPF
FRAC 3711-67 AS ABOVE & TESTED 100% NET.
SOZ 3711-67 w/ A TOTAL OF 650 SX CMT

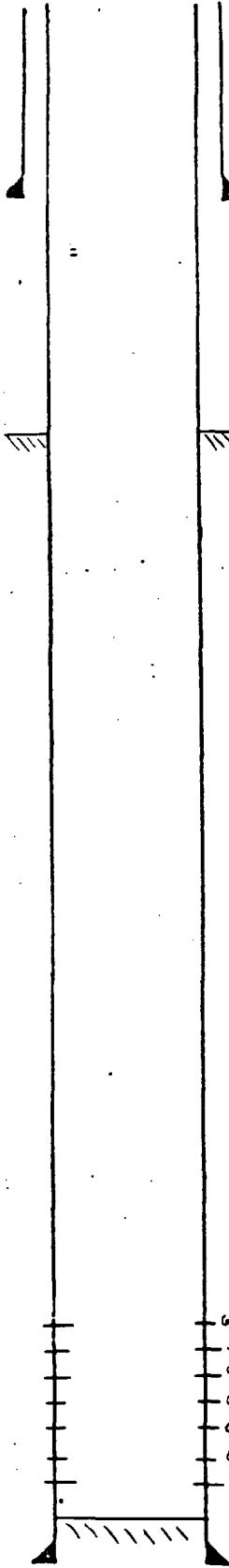
Subsequent Workover or Reconditioning:
INSTALLED PFG EQUIP PERFS 3774-3821
IIP 14 BOPD, 207 BWPD & 28 MCFSPD

Present Inj. bupd @ _____ psi Date _____
 Present Prod. bopd _____ bupd Date _____
 GAS _____ MCFPD _____

Remarks Or Additional Data: _____

BPH
 1/91

LEASE & WELL NO. H.T. MATTERN (NCT-B)*19 FIELD/POOL DRINKARD DATE 1/91
 LOCATION 1830 FEET FROM NORTH LINE AND 660 FEET FROM WEST LINE
 SECTION 31, T21S-R37E, UNIT LETTER E COUNTY LEA STATE NM



GE 3484
 KDB to GE 13.6
 DF to GE _____

Date Completed APRIL 1975
 Initial Formation DRINKARD
 From: 6508 to _____ GOR _____
 Initial: Production bopd _____ bupd _____
 Or: Injection bupd @ _____ psi

Completion Data:
(APRIL 1975) PERF'D DRINKARD @ 6508-10 6526-28 6553-55 6585-87 6630-32 6664-66 & 6706-68 W/ 4 JHPF. BROKE DOWN W/ 440 GALS 15% NEA. FRAC'D W/ 42,000 GALS GELLED WTR W/ 1-2 PPG SAND IN 6 STAGES @ 15 BPM. IPF 192 BOPD & 18 BWP.

Subsequent Workover or Reconditioning:
DECEMBER 1977) INSTALLED PPG EQUIP. PUMPED 129 BO & 38 BW IN 28 HRS.

(APRIL 1980) ACIDIZ W/ 750 GALS 15% NEA.

Present Inj. bupd @ _____ psi Date _____
 Present Prod. bopd _____ bupd Date _____
 GAS _____ MCFPD _____

Remarks Or Additional Data: _____

PBD 6760
 TD 6800

5 1/2 " OD 15.5# Thd Csg.
 Gr. K-55
 sec @ 6799 ' w/ 700 ' sx
 Cat Circulated? NO
 TOC @ 2017 ' by TS

BPH
 1/91

AMERICAN EXPLORATION

WELL NO. GILL "A" # 1

FIELD / POOL FENROSE SKELLY GRAYBURG-DATY

DATE 1980

FEET FROM SOUTH

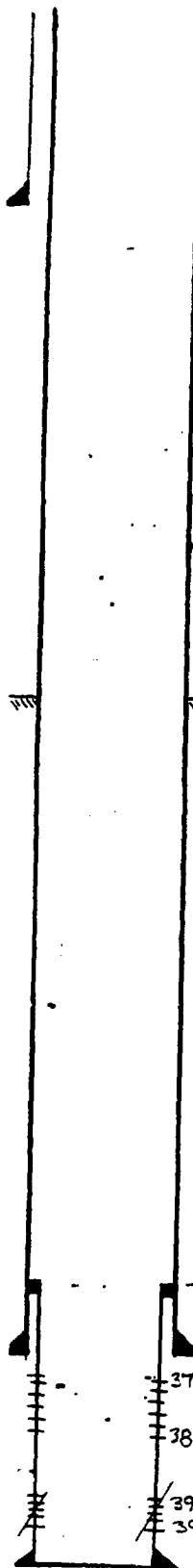
LINE AND 612

FEET FROM WEST LINE

SECTION 31-TZ15-R37E, UNIT LETTER L

COUNTY LEA

STATE NM



GE _____
KDB to GE _____
DF to GE _____

10^{3/4}" OD Surface Pipe
set @ 280' w/ 175' sx
Circ. Circulated? YES

Date Completed _____
Initial Formation _____
From: _____ to _____ GOR _____
Initial: Production bopd _____ bwpd _____
Or: Injection bwpd @ _____ psi

Completion Date:
(DECEMBER 1957) ACID'Z OH 3710-48 w/ 9000 GALS

Subsequent Workover or Reconditioning:
(SEPTEMBER 1971) DEEPENED TO 4000'. SET 4 1/2"
9.5# J55 LINER FROM 3592-4000 & CMT'D W/ 70
SX. PERF'D 3957-67 & ACID'Z. SOZ'D PERFS
w/ 100 SX.

PERF'D 3708-3837. ACID'Z & FRAC'D

TOC @ 2788 BY CALC

TOC @ 3592'

7" OD 20# Thd
Gr. _____ Csg. _____
set @ 3710' w/ 150' sx
Circ. Circulated? NO
TOC @ _____ by SS
CALC

3957 } SOZ'D W/ 100SX
3967 }

4 1/2" 9.5# J55 LINER
@ 4000' w/ 70 SX

Present Inj. bwpd @ _____ psi Date _____
Present Prod. bopd _____ bwpd Date _____
GAS _____ MCFPD _____

Remarks Or Additional Data:

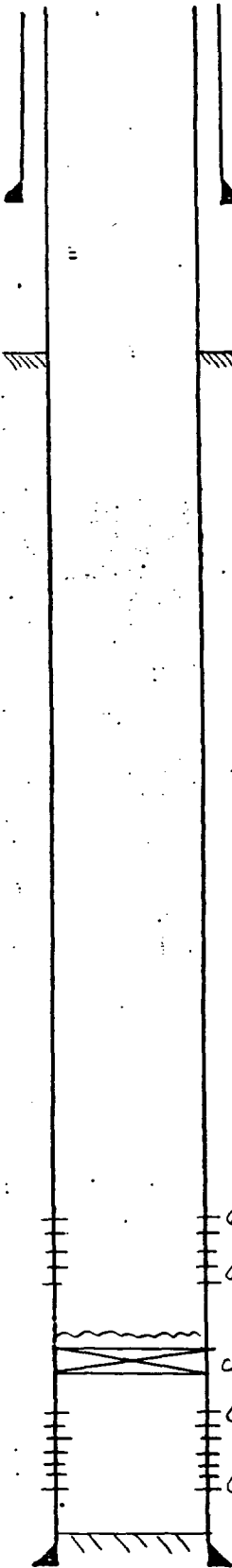
PBD _____
TD 4000'

AMERADA HESS

LEASE & WELL NO. GILL DEEP #1 FIELD/POOL DRINKARD CAL. _____

LOCATION T20 FEET FROM SOUTH LINE AND T20 FEET FROM WEST LINE

SECTION 31-T215-R37E UNIT LETTER M COUNTY LEA STATE NM



GE 3468
KDB to GE _____
DF to GE _____

5/8" OD Surface Pipe
set @ 1150' w/ 800 sx
Cmt. Circulated? YES

TOC @ 1560 BY TS

6574

6572

CIBP @ 6600 w/ 10' CMT

6612

6673

PBD 6686
TD 6700

5 1/2" OD 15.5 # _____ Thd
Gr. K55 Csg.
set @ 6698' w/ 1500 sx
Cmt Circulated? NO
TOC @ 1560 by TS

Date Completed _____

Initial Formation _____

From: _____ to _____ COR _____

Initial: Production bopd _____ bwpd _____

Or: Injection bwpd @ _____ psi

Completion Data: _____

(JUNE 1975) PERF'D DRINKARD @ 6526-72 & ACID'Z

Subsequent Workover or Reconditioning:

(SEPTEMBER 1975) FRAC'D PERFS 6526-72 w/
21,000 GALS & 24,000 LBS

PERF'D 6612-73. ACID'Z & FRAC'D

(AUGUST 1987) SET CIBP @ 6600 & CAPPED w/ 10'
CMT. ACID'Z PERFS 6526-72.

Present Inj. bwpd @ _____ psi Date _____

Present Prod. bopd _____ bwpd Date _____

GAS _____ MCFPD _____

Remarks Or Additional Data: _____

AMERICAN EXPLORATION

WELL NO. GILL #1 FIELD/POOL EUMONT DATE _____
SECTION 660 FEET FROM SOUTH _____ LINE AND 660 FEET FROM WEST _____ LINE
SECTION 31-T215-ROUTE, UNIT LETTER M COUNTY LEA STATE NM

GE 3484
KDB to GE _____
DF to GE _____

Date Completed _____
Initial Formation _____
From: _____ to _____ GOR _____
Initial: Production _____ bopd _____ bwpd _____
Or: Injection _____ bwpd @ _____ psi

Completion Data:
(MAY 1955, ACIDIZ OH 3390-3598 W/ 5000 GAL)

2 5/8 " OD Surface Pipe
set @ 201 ' w/ 150 sx
Cmt. Circulated? *
@ SURF BY CALC

Subsequent Workover or Reconditioning:

TOC @ 1790 BY CALC

Present Inj. _____ bwpd @ _____ psi Date _____
Present Prod. _____ bopd _____ bwpd Date _____
GAS _____ MCFPD _____

_____ " OD _____ # _____ Thd
Gr. _____ Csg. _____
set @ _____ ' w/ _____ sx
Cmt Circulated? *
TOC @ 1790 ' by TS
CALC

Remarks Or Additional Data:
* CALCULATIONS ARE BASED ON A YIELD OF 1.32 CU FT/ SX AND 30% LOSSES

TD @ 3598

AMERICAN EXPLORATION

LEASE & WELL NO. GILL "A" #2

FIELD/POOL PENROSE SKELLY GRAYBURG

LOCATION 517

FEET FROM SOUTH

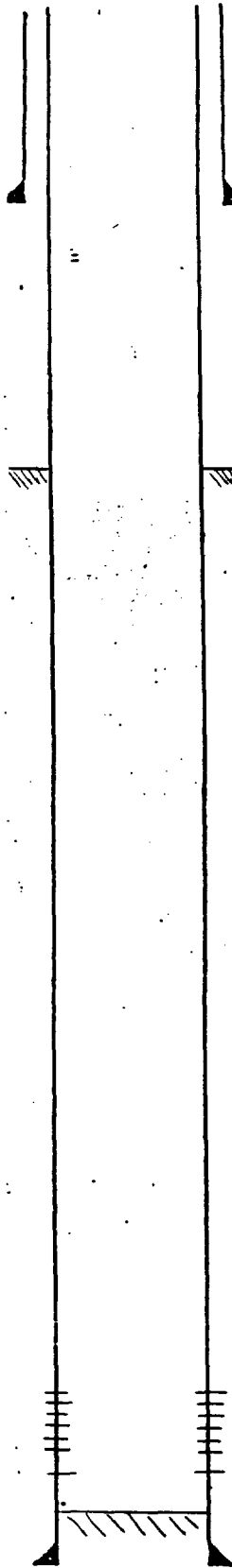
LINE AND 497

FEET FROM WEST LINE

SECTION 31-TZ15-R37E, UNIT LETTER M

COUNTY LEA

STATE NM



GE 3469
 KDB to GE _____
 DF to GE _____

2 7/8" OD Surface Pipe
 set @ 320' w/ 250' sx
 Cmc. Circulated? *
 @ SURF BY CALC

TOC @ 1867 BY CALC

Date Completed _____

Initial Formation _____

From: _____ to _____ GOR _____

Initial: Production _____ bopd _____ bwpd _____

Or: Injection _____ bwpd @ _____ psi

Completion Data: _____

(JANUARY 1972) PERF'D 3705-82, ACID'Z &

FRAC'D w/ 24,000 GALS & 32,000#.

SET CIBP @ 3867. PERF'D 3705-3848

Subsequent Workover or Reconditioning:

Present Inj. _____ bwpd @ _____ psi Date _____
 Present Prod. _____ bopd _____ bwpd Date _____
 GAS _____ MCFPD _____

Remarks Or Additional Data:
 * CALCULATIONS ARE BASED ON A CEMENT
 YIELD OF 1.32 CU FT/SX AND ASSUME 30%
 LOSSES

PBD 3867
 TD 4000

5 1/2" OD 14 # _____ Thd
 Gr. J55 _____ Csg.
 set @ 4000' w/ 400' sx
 Cmc. Circulated? *
 TOC @ 1867 by FB
 CALC

SE & WELL NO. HARRY LEONARD (NCT) D#2 FIELD/POOL EUNICE SOUTH DATE 1/91
 LOCATION 330 FEET FROM NORTH LINE AND 330 FEET FROM EAST LINE
 SECTION 3, T22S-R36E, UNIT LETTER A COUNTY LEA STATE NM

GE 3558
 KDB to GE 0.50
 DF to GE _____

Date Completed DECEMBER 1940
 Initial Formation QUEEN (PENROSE)
 From: _____ to _____ COR _____
 Initial: Production bopd _____ bwpd _____
 OR: Injection bwpd @ _____ psi

Completion Data:
(DECEMBER 1940) ACIDIZ OH W/ 7000 GALS

9 5/8" OD Surface Pipe
set @ 291' w/ 200' ex
 Cnt. Circulated? YES

APRIL 1941: INSTALLED PKR

APRIL 1953: INSTALLED PKG EQUIP

Subsequent Workover or Reconditioning:
(JUNE 1956) FRAC'D OH W/ 10,000 GALS. CE C
W/ PKG SAND. IPE 55 ROPD CEMENT & 325 MCF PD
BEFORE - PHS 2 BARD CEMENT & GE MCF PD

(APRIL 1974) ACIDIZ W/ 1000 GALS 15% NEA

(FEBRUARY 1980) EC FIL TO 3824 & ACIDIZ W/
2000 GALS 15% NEA. INSTALLED PKG EQUIP

(JULY 1981) 500 GAL DUMP ACID JOB

(SEPTEMBER 1989) 1000 GAL DUMP ACID JOB

TOC @ 1606

Present Inj. bwpd @ _____ psi Date _____
 Present Prod. bopd _____ bwpd Date _____
 GAS _____ MCF PD _____

5 1/2" OD 14 # Thd _____
 Gr. H _____ Csg. _____
 set @ 3739 w/ 400 ex _____
 Cnt. Circulated? NO
 TOC @ 1606 by JB
 CALL _____

Remarks Or Additional Data:

TDE 3845

BPH
 1/91

WELL NO. HARRY LEONARD (NCT-D) #1 FIELD/POOL EUNICE SOUTH DATE 1/91
 SECTION 1650 FEET FROM NORTH LINE AND 330 FEET FROM EAST LINE
 SECTION 3, T22S-R36E, UNIT LETTER H COUNTY LEA STATE NM

GE 3541
 KOB to GE 250
 DF to GE _____

2 7/8 " OD Surface Pipe
 set @ 291 ' w/ 225 sx
 Cmc. Circulated? YES

TOC @ 1465

Date Completed OCTOBER 1940
 Initial Formation QUEEN (PENROSE)
 From: 3744 to 3830 GOR _____
 Initial: Production bopd _____ bwpd _____
 Or: Injection bwpd @ _____ psi
 Completion Date:
(OCTOBER 1940) ACIDIZ OH W/ 5000 GALS. IPF
22 BOPD W/ 378 MCFGPD

Subsequent Workover or Reconditioning:
JUNE 1941) INSTALLED PKR. IPF 57 BOPD & 0 BWPD
BEFORE - WNF

MARCH 1963) INSTALLED PPG EQUIP. IPF 5 BOPD
0 BWPD & 34 MCFGPD. BEFORE - FLG, BOPD & 0 BWPD.

JUNE 1960) FRAC'D OH W/ 10,000 GALS LSE OIL W/
PPG SAND. IPF 96 BOPD, 0 BWPD & 90 MCFGPD.
BEFORE - PPG 7 " O " 16 "

FEBRUARY 1974) ACIDIZED W/ 1000 GALS 15% NEA

NOVEMBER 1977) INSTALLED PPG EQUIP

APRIL 1979) ACIDIZ W/ 500 GALS 15% NEA

Present Inj. bwpd @ _____ psi Date _____
 Present Prod. bopd _____ bwpd Date _____
 GAS _____ MCFPD _____

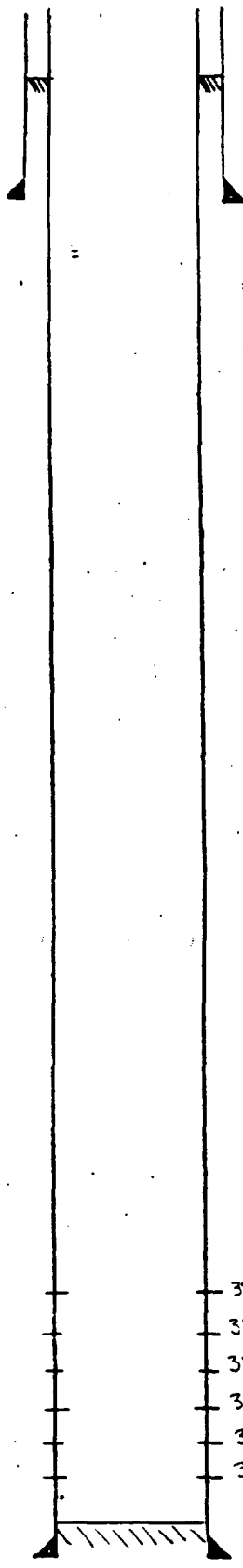
6 " OD 10 # _____ Thd
 Cr. J-55 _____ Csg.
 set @ 3744 ' w/ 350 sx
 Cmc Circulated? NO
 TOC @ 1465 ' by 28
 CALC

Remarks Or Additional Data:
TOP OF CEMENT CALCULATION IS BASED ON
A CEMENT YIELD OF 1.32 CU. FT/SX AND ASSUME
30% LOSSES.

TOC 3830

BPH
 1/91

LEASE & WELL NO. HARRY LEONARD (NCT-D) #4 FIELD/POOL EUNICE SOUTH CAL. 1/91
 LOCATION 1980 FEET FROM SOUTH LINE AND 660 FEET FROM EAST LINE
 SECTION 3, T225 - R36E UNIT LETTER I COUNTY LEA STATE NM



GE 3561
 KDB to GE _____
 DF to GE _____

5/8 " OD Surface Pipe
 sec @ 250 ' w/ 225 sx
 Cmc. Circulated? YES

3760-00
 3770-80
 3786-90
 3798-3803
 3809-15
 3818-27

PSD 3847
 TD 3851

5 1/2 " OD 14 # _____ Thd
 Cr. J-55 _____ Csg.
 sec @ 3851 ' w/ 1860 sx
 Cmc Circulated? NO
 TOC @ 80 ' by TS

Date Completed DECEMBER 1950
 Initial Formation _____
 From: _____ to _____ COR _____
 Initial: Production _____ bopd _____ bwpd _____
 Or: Injection _____ bwpd @ _____ psi

Completion Data:
(DECEMBER 1950) PERF'D 3760-66, 3770-80,
3786-90, 3798-3803, 3809-15 & 3818-27 w/
4 JHPF. BROKE DOWN w/ 250 GALS ACID &
FRAC'D w/ 12,000 GALS REF'D OIL w/ 1 PPG SAN
IPF 96 BOPD, 11 BWPD & 77 MCF6PD

Subsequent Workover or Reconditioning:
(DECEMBER 1957) INSTALLED PPG EQUIP
IPF 40 BOPD, 80 BWPD & 229 MCF6PD

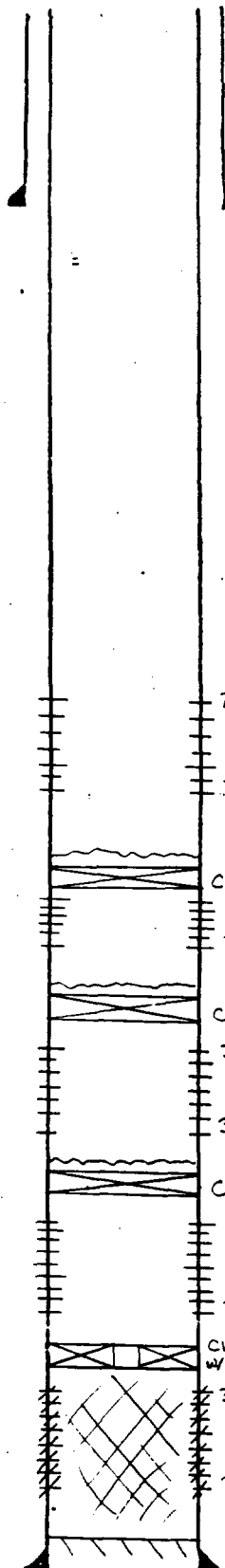
(JULY 1981) ACID'Z w/ 500 GALS
(JULY 1989) " " " "
(MARCH 1990) " " " "

Present Inj. _____ bwpd @ _____ psi Date _____
 Present Prod. _____ bopd _____ bwpd Date _____
 GAS _____ MCF6PD _____

Remarks Or Additional Data:

RASMUSSEN

LEASE & WELL NO. STATE "A" ACZ #73 FIELD/POOL JALMAT DATE _____
 LOCATION 990 FEET FROM SOUTH LINE AND 660 FEET FROM EAST LINE
 SECTION 11-T22S-R36E, UNIT LETTER P COUNTY LEA STATE NM



GE 3519
 KDB to GE _____
 DF to GE _____

8 5/8" OD Surface Pipe
 set @ 474 ' w/ 350 sx
 Cmc. Circulated? YES

Date Completed _____
 Initial Formation _____
 From: _____ to _____ GOR _____
 Initial: Production bopd _____ bupd _____
 Or: Injection bupd @ _____ psi

Completion Data:
(OCTOBER 1987) PERF'D GRAYBURG @ 3892-3930
& ACID'Z. SET CICR @ 3880 & 507' D' PERFS W/
150 SX CMT. PERF'D GRAYBURG @ 3759-3848
& ACID'Z.

Subsequent Workover or Reconditioning:
(NOVEMBER 1987) PERF'D QUEEN @ 3685-3744
& ACID'Z.

(DECEMBER 1987) SET CIBP @ 3752 & DUMPED 2
SX CMT. PERF'D 7 RIVERS @ 3148-3207 & ACID'Z
SET CIBP @ 3670 & CAP W/ 2 SX CMT. SET CIBP @
3138 & CAP W/ 2 SX CMT.
PERF'D YATES @ 2892-3063. ACID'Z & FFACID
W/ 20,000 GALS GRW, 20,000 GALS CO2 & 87,000
SAND.

2892 } YATES
 3063 } PERFS

CIBP @ 3138 w/ 2 SX CMT
 3148 } 7 RIVERS
 3207 } PERFS

CIBP @ 3670 w/ 2 SX CMT
 3685 } QUEEN
 3744 } PERFS

CIBP @ 3752 w/ 2 SX CMT
 3759

3848 } GRAYBURG
 CICR @ 3880 } PERFS
 w/ 150 SX
 3892 }
 3930 }

Present Inj. _____ bupd @ _____ psi Date _____
 Present Prod. _____ bopd _____ bupd Date _____
 GAS _____ MCFPD _____

Remarks Or Additional Data: _____

PBD 3138
 TD 4000

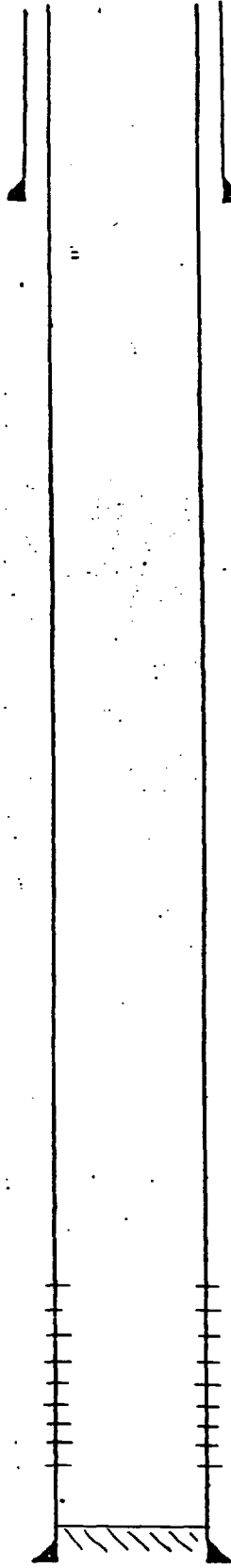
5 1/2" OD 14 # _____ Thd _____
 Gr. J55 Csg. _____
 set @ 4000 ' w/ 150 sx
 Cmc Circulated? YES
 TOC @ ~ by TS

MARATHON

LEASE & WELL NO. McDONALD "AC"-2 # 27 FIELD/POOL EUMONT STATE _____

LOCATION 1650 FEET FROM NORTH LINE AND 330 FEET FROM EAST LINE

SECTION 24-T225-R36E, UNIT LETTER H COUNTY LEA STATE NM



GE 3432
KDB to GE _____
DF to GE _____

8 5/8 " OD Surface Pipe
set @ 436 ' w/ 225 sx
Cmt. Circulated? YES

Date Completed _____
Initial Formation _____
From: _____ to _____ GOR _____
Initial: Production _____ bopd _____ bwpd _____
Or: Injection _____ bwpd @ _____ psi

Completion Data:
(JULY 1961) PERF'D 3678-3747 FRAC'D w/
20,000 GALS LSE OIL & 30,000 # SAND.

Subsequent Workover or Reconditioning:
(OCTOBER 1968) CLOSED IN.

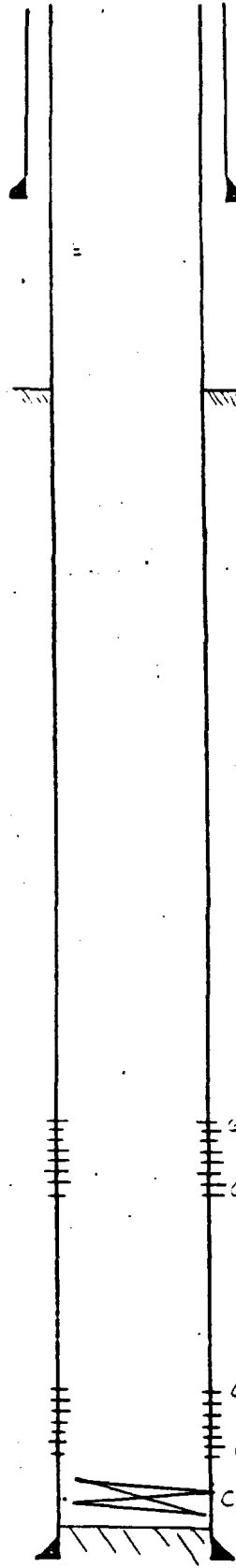
Present Inj. _____ bwpd @ _____ psi Date _____
Present Prod. _____ bopd _____ bwpd Date _____
GAS _____ MCFPD _____

Remarks Or Additional Data: _____

PBD 3763
TD 3797

4 1/2 " OD 9.5 # Thd _____
Gr. 335 Csg. _____
set @ 3796 ' w/ 900 sx
Cmt Circulated? YES
TOC @ ~ by TS

LEASE & WELL NO. H.T. MATTERN (NCT-D) #10 FIELD/POOL DRINKARD & TUBBS OIL & GAS DATE 1/91
 LOCATION 660 FEET FROM NORTH LINE AND 1650 FEET FROM WEST LINE
 SECTION 6, T22S-R37E UNIT LETTER C COUNTY LEA STATE NM



GE 3464
 KDB to GE 13.5
 DF to GE _____

5/8 " OD Surface Pipe
 sec @ 1199 w/ 400 sx
 Cmc. Circulated? YES

TOC @ 2400

6134 } TUBBS
 6334 } PERFS

6456 } DRINKARD
 6700 } PERFS

CSP PUSHED TO 6763

PBD 6757
 TD 6800

5 1/2 " OD 15.50 Thd
 Cr. K-55 Csg.
 sec @ 6799 w/ 650 sx
 Cmc Circulated? NO
 TOC @ 2400 by TS

Date Completed MAY 1975
 Initial Formation DRINKARD
 From: _____ to _____ COR _____
 Initial: Production bopd _____ bupd _____
 Or: Injection bupd @ _____ psi

Completion Data:
(MAY 1975) PERF'D DRINKARD @ 6456-58, 6492-94, 6567-69, 6600-02, 6632-34, 6657-59, & 6698-6700
w/ 4 JHPE ACIDIZ w/ 5250 GALS 15% NEA FRAC'D w/
A TOTAL OF 32,000 GALS GEL WTR & 40,000 # SAND
IN 6 EQUAL STAGES @ 15 BPM
IPP 10 BOPD & 102 BWPD

Subsequent Workover or Reconditioning:
(MAY 1976) ACIDIZ w/ 3000 GALS 15% NEA
(APRIL 1978) INSTALLED PPG EQUIP
(AUGUST 1979) SCALE SQUEEZE
(NOVEMBER 1980) " " "
(JUNE 1982) " " "

(JULY 1982) SET CIBP @ 100 PERF'D TUB @
621-88, 6216-20, 6250-54, 6274-78, 6308-12, &
6330-34 w/ 2 JHPE ACIDIZ w/ 1500 GMS 15% NEA
FRAC'D w/ 48,000 GMS GEL & 63,000 # SAND.
IPP 65 BOPD & 45 BWPD.

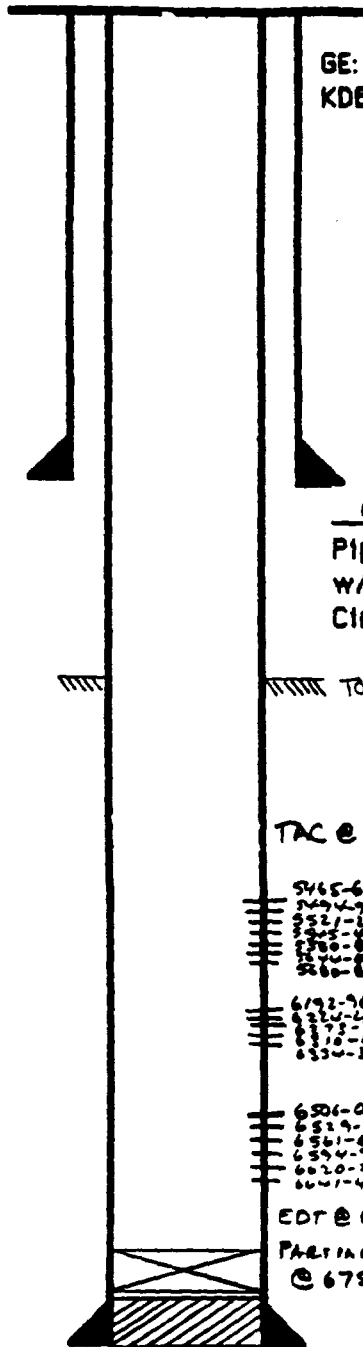
(JULY 1985) ACIDIZ TUBB w/ 1000 GALS 15% NEA
PUSHED CIBP TO 6763. ACIDIZ DRINKARD w/ 1000
GALS 15% NEA. SCALE SQUEEZE BOTH ZONES
DOWNHOLE COMMINGLED. IPP 19 BOPD, 54 BWPD &
24 MCFGPD

(APRIL 1987) SCALE SQUEEZE
(JANUARY 1989) " " "

Present Inj. bupd @ _____ psi Date _____
 Present Prod. bopd _____ bupd _____ Date _____
 GAS _____ MCFPD _____

Remarks Or Additional Data:

LEASE H.T. MATTERN D WELL NO. 11 FIELD SLINERLY/TURS/DEUKARD DATE 6/10/77
 LOCATION 1980 FEET FROM NORTH LINE AND 1650 FEET FROM WEST LINE
 SECTION 6 TOWNSHIP 22S RANGE 37E COUNTY LEA STATE N.M.



GE: 3457
 KDB TO GE: 14

8 5/8 - OD Surf.
 Pipe set @ 1176
 w/ 400 sx cmt.
 Circ.? YES

TOC @ 2444

TAC @ 5323'

5165-67 } BLINERLY
5194-76 } 2 x 1/2" SHPF
5217-81 }
5245-87 } (28 HOLES)
5350-82 }
5370-86 }
5380-82 }

6192-96 } TURS
6212-97 } 2 x 1/2" SHPF
6218-10 } (40 HOLES)
6330-18 }

6506-08 } DEUKARD
6519-31 } 4 x 1/2" SHPF
6561-63 } (48 HOLES)
6594-66 }
6620-12 }
6641-43 }

EDT @ 6698'
 PARTIALLY DRILLED CCB
 @ 6750'

Date Completed 6/17/75
 Initial Formation DEUKARD
 FROM 6506 TO 6643 GOR N.M.
 Initial: Production 136 bopd 25 bwpd
 Or: Injection _____ bwpd at _____ psi
 Completion Date: _____

Subsequent Workover or Reconditioning:

Present Inj. _____ bwpd @ _____ psi
 date _____
 Present Prod. 26 bopd 208 bwpd
 date 4/6/89

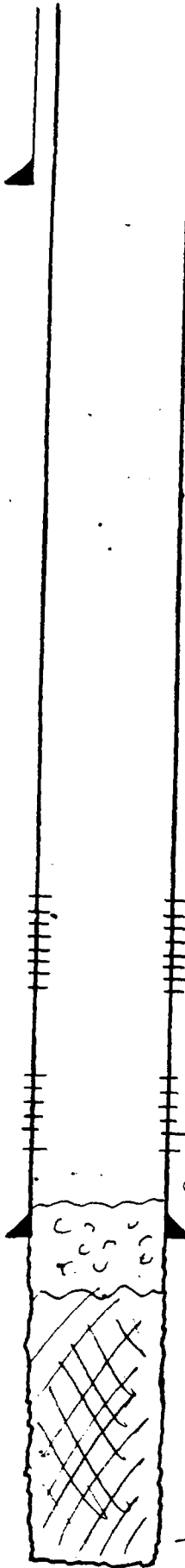
5 1/2 - OD 15.50 @
 LT&C Thd. Gr. K-55
 Csg set at 6794
 w/ 600 sx Cmt.
 Circ.? NO
 TOC at 2444 ' by TS

GAS 112 MCFPD
 Remarks or Additional Data:

PBD 6752
 TD 6800

DALLAS McCASLAND

LEASE & WELL NO. ELLIOT #1 FIELD/POOL EUMONT DATE _____
LOCATION 660 FEET FROM SOUTH LINE AND 1980 FEET FROM EAST LINE
SECTION 6-T225-R37E UNIT LETTER O COUNTY LEA STATE NM



GE _____
KDB to GE _____
DF to GE _____

10 3/4" OD Surface Pipe
set @ 300' w/ 125' sx
Cmt. Circulated? *
TOC @ SURF BY CALC

Date Completed _____
Initial Formation _____
From: _____ to _____ GOR _____
Initial: Production _____ bopd _____ bupd _____
Or: Injection _____ bupd @ _____ psi

Completion Data:
(JANUARY 1950) ACID'Z OH 3646-3763 w/ 3500
GALS.

Subsequent Workover or Reconditioning:
(APRIL 1954) P&A'd. FILL OH FROM 3763-3687 w/
CMT. DUMPED GRAVEL TO +/- 3530. SET 3 SX
CMT PLUG.

(MAY 1974) REENTERED. CO TO 3630 & SET RFP
@ 3630. PERF'D 3446-3606 & ACID'Z. FRAC'D w/
20,000 GALS & 40,000#. PERF'D 3174-3393 &
ACID'Z. FRAC'D AS ABOVE.

3174

3393

3446

3606

COTD @ 3630

5 1/2" OD 17 # Thd
Gr. _____ Csg.
set @ 3646 w/ 300' sx
Cmt Circulated? *
TOC @ 2046' by 75' CALC

CMT PLUG
TO +/- 3687
& PEA GRAVEL
TO +/- 3630

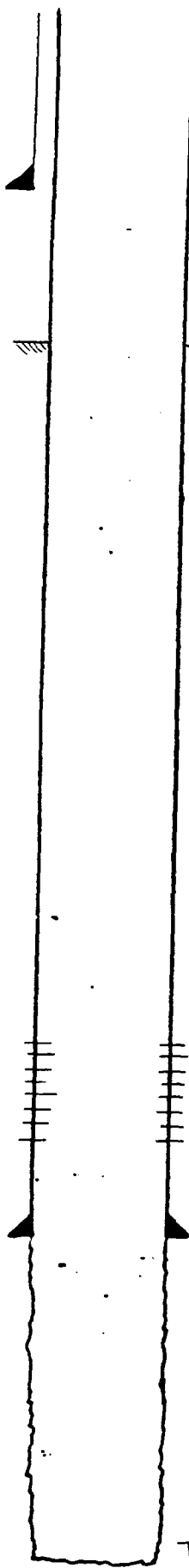
TD @ 3763

Present Inj. _____ bupd @ _____ psi Date _____
Present Prod. _____ bopd _____ bupd Date _____
GAS _____ MCFPD _____

Remarks Or Additional Data:
* CEMENT TOP CALCULATIONS ARE BASED
ON A YIELD OF 1.32 CU. FT./SX AND ASSUME
30% LOSSES

ZIA ENERGY (FORMERLY ARCO ELLIOT B-7.#2)

LEASE & WELL NO. ELLIOT "B" # 5 FIELD / POOL PENROSE SKELLY GRAYBURG DATE
 LOCATION 1980 FEET FROM NORTH LINE AND 1980 FEET FROM EAST LINE
 SECTION 7-T225-R37E, UNIT LETTER G COUNTY LEA STATE NM



GE 3440 '
 KDB to GE _____ '
 DF to GE _____ '

7 5/8 " OD Surface Pipe
 set @ 1117 ' w/ 500 ex
 Cmt. Circulated? *
 TOC @ SURF BY CALC

TOC @ 1353 BY CALC

3354
 3555

5 1/2 " OD _____ ' Thd
 Gr. _____ Csg.
 set @ 3620 ' w/ 425 ex
 Cmt Circulated? *
 TOC @ 1353 ' by TS
 CALC

TD @ 3724

Date Completed _____
 Initial Formation _____
 From: _____ to _____ GOR _____
 Initial: Production _____ bopd _____ bwpd
 Or: Injection _____ bwpd @ _____ psi

Completion Data:
(JANUARY 1945) ACID'Z OH 3620-3724 w/ 1000
GALS.

Subsequent Workover or Reconditioning:

(NOVEMBER 1957) FRAC'D OH w/ 10,000 GALS
GIL w/ 1 PPG SAND.

(SEPTEMBER 1958) SET CIPP @ 3590. PERF'D SURF
PENROSE @ 3354-3555 & FRAC'D.

(SEPTEMBER 1963) CLOSED IN.

(JUNE 1981) CHANGED TO PENROSE SKELLY UNIT
154 - GULF OP. ACID'Z 3354-3555.

(SEPTEMBER 1981) DO CIPP @ 3590. ACID'Z OH.

(NOVEMBER 1981) ACID'Z

(NOVEMBER 1985) SOLD TO ARCO

(FEBRUARY 1989) SOLD TO ZIA

Present Inj. _____ bwpd @ _____ psi Date _____
 Present Prod. _____ bopd _____ bwpd Date _____
 GAS _____ MCF PD _____

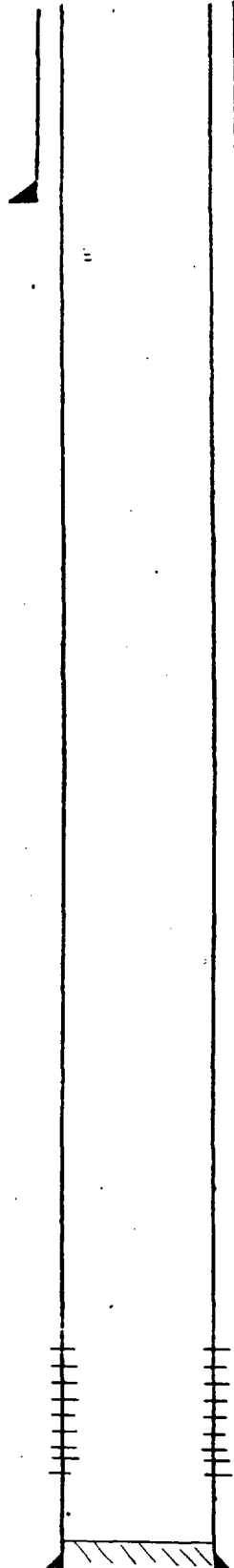
Remarks Or Additional Data:
 * CALCULATIONS ARE BASED ON A CEMENT
 YIELD OF 1.32 CU FT/SX AND ASSUME 30%
 LOSSES.

ME-TEX SUPPLY CO. (FORMERLY MARTINDALE)

LEASE & WELL NO. MATTERN #3 FIELD/POOL DRINKARD DATE _____

LOCATION 1650 FEET FROM SOUTH LINE AND 330 FEET FROM EAST LINE

SECTION 7-T225-R37E, UNIT LETTER I COUNTY LEA STATE NM



GE _____
KOB to GE _____
DF to GE _____

2 5/8 " OD Surface Pipe
set @ 1067 ' w/ 525 sx
Cmt. Circulated? YES

Date Completed _____
Initial Formation _____
From: _____ to _____ COR _____
Initial: Production _____ bopd _____ bwpd _____
Or: Injection _____ bwpd @ _____ psi

Completion Data:
(SEPTEMBER 1980) PERF'D DRINKARD @ 6443-6583. ACIDIZ & FRAC'D

Subsequent Workover or Reconditioning:
(FEBRUARY 1989) SOLD TO ME-TEX SUPPLY CO.

Present Inj. _____ bwpd @ _____ psi Date _____
Present Prod. _____ bopd _____ bwpd Date _____
GAS _____ MCFPD _____

Remarks Or Additional Data: _____

5 1/2 " OD 17 # _____ Thd _____
Gr. K-55 _____ Csg. _____
set @ 6738 ' w/ 2220 sx
Cmt Circulated? YES
TOC @ ~ by TS

PBD 6690
TD 6739

TEXACO

LEASE & WELL NO. C.P.FALBY "B" FED #4 FIELD/POOL DRINKARD DA.

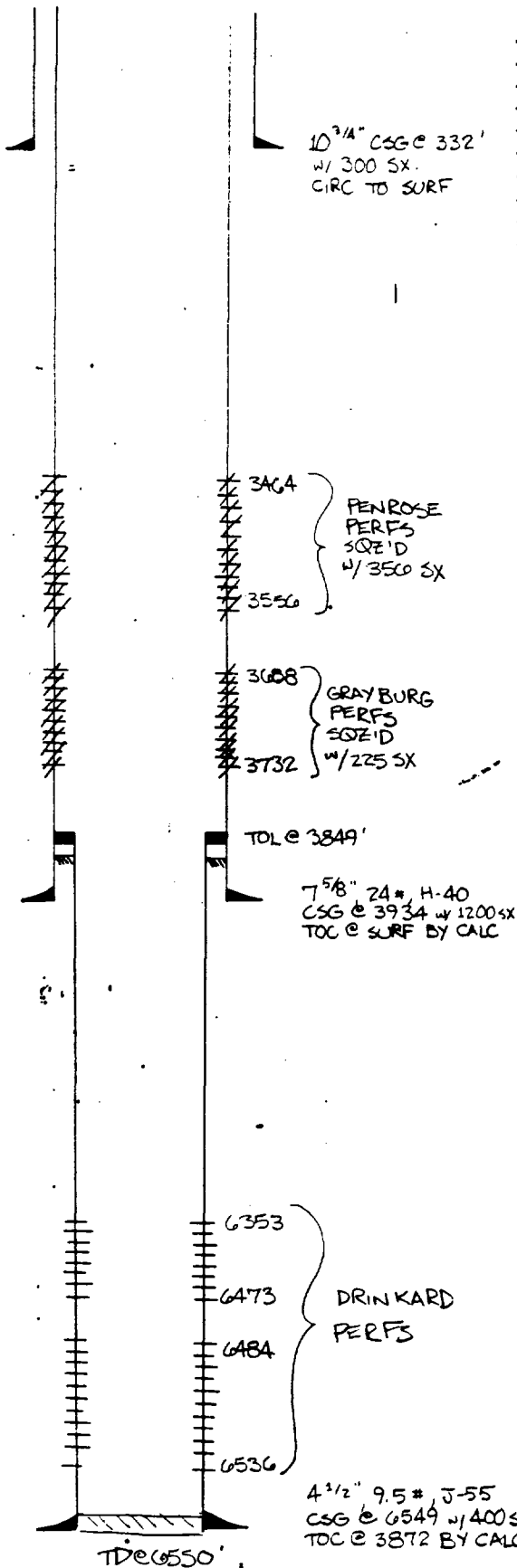
LOCATION 1980 FEET FROM SOUTH LINE AND 660 FEET FROM WEST LINE

SECTION 8-T22S-R37E, UNIT LETTER L COUNTY LEA STATE NM

Date Completed _____
Initial Formation _____
From: _____ to _____ GOR _____
Initial: Production _____ bopd _____ bwpd _____
Or: Injection _____ bwpd @ _____ psi

Completion Data:
(JANUARY 1961) TRIPLE COMPLETION. PERF'D DRINKARD @ 6484-6536 & ACID'Z.
PERF'D PENROSE @ 3464-3556. ACID'Z & FRAC'D.
PERF'D GRAYBURG @ 3688-3732 & ACID'Z

Subsequent Workover or Reconditioning:
(MAY 1970) PENROSE & GRAYBURG CLOSED IN
(JANUARY 1981) SQZ'D PENROSE PERFS 3464-3556 w/ 350 SX CMT.
SQZ'D GRAYBURG PERFS 3688-3732 w/ 225 SX CMT.
CO TO 6491. PERF'D DRINKARD @ 6484-6536 ACID'Z & FRAC'D.

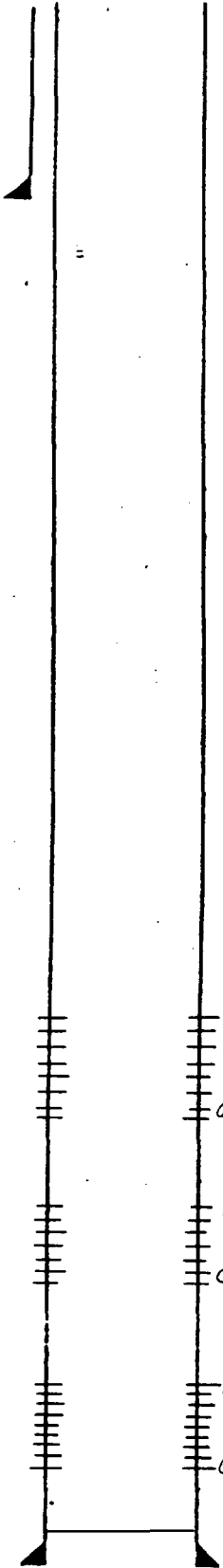


Present Inj. _____ bwpd @ _____ psi Date _____
Present Prod. _____ bopd _____ bwpd Date _____
GAS _____ MCFPD _____

Remarks Or Additional Data:
TOP OF CEMENT CALCULATIONS ARE BASED ON A CEMENT YIELD OF 1.32 CU. FT./SX AND ASSUME 30% LOSSES.

ZIA ENERGY

LEASE & WELL NO. NEW MEXICO "M" STATE # 48 FIELD/POOL BLINEBRY/TUBB/DRINKARD
LOCATION 660 FEET FROM NORTH LINE AND 560 FEET FROM WEST LINE
SECTION 17-T225-R-37E, UNIT LETTER D COUNTY LEA STATE NM



GE _____
KDB to GE _____
DF to GE _____

3 5/8 " OD Surface Pipe
set @ 1072 ' w/ 620 sx
Cmt. Circulated? YES

Date Completed _____
Initial Formation _____
From: _____ to _____ GCR _____
Initial: Production _____ bopd _____ bwpd _____
Or: Injection _____ bwpd @ _____ psi

Completion Data:
(AUGUST 1978) PERF'D DRINKARD @ 6404 - 6560 & ACID'Z w/ 21,000 GALS 20% HCl

Subsequent Workover or Reconditioning:
(JANUARY 1988) PERF'D TUBB @ 6095-6227 & ACID'Z w/ 3200 GALS
PERF'D BLINEBRY @ 5496-6045 & ACID'Z w/ 15,000 GALS
DHC BLINEBRY, TUBB & DRINKARD

5496 } BLINEBRY PERFS
6045 }

6095 } TUBB PERFS
6227 }

6404 } DRINKARD PERFS
6560 }

Present Inj. _____ bwpd @ _____ psi Date _____
Present Prod. _____ bopd _____ bwpd Date _____
GAS _____ MCFPD _____

Remarks Or Additional Data: _____

PBD _____
TD 6730

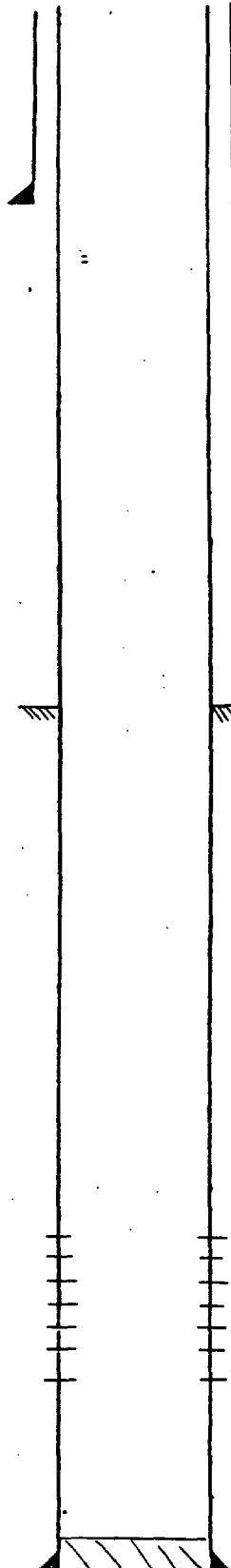
5 1/2 " OD 14 & 15.50 Thd
Gr. _____ Csg. _____
set @ 6721 ' w/ 1015 sx
Cmt Circulated? YES
TOC @ ~ by TS

ZIA ENERGY

LEASE & WELL NO. ADOBE STATE #3 FIELD/POOL EUMONT DATE _____

LOCATION 1980 FEET FROM SOUTH LINE AND 660 FEET FROM WEST LINE

SECTION 17-TZZS-R37E, UNIT LETTER L COUNTY LEA STATE NM



GE 3400
KDB to GE _____
DF to GE _____

2 7/8 " OD Surface Pipe
set @ 349 ' w/ 200 sx
Cmt. Circulated? YES

Date Completed _____
Initial Formation _____
From: _____ to _____ GOR _____
Initial: Production _____ bopd _____ bwpd _____
Or: Injection _____ bwpd @ _____ psi

Completion Data:
(DECEMBER 1960) PERF'D 3506-12 &
3528-34. FRAC'D w/ 10,000 GAL'S & 20,000
LBS SAND.

Subsequent Workover or Reconditioning:

Present Inj. _____ bwpd @ _____ psi Date _____
Present Prod. _____ bopd _____ bwpd Date _____
GAS _____ MCFPD _____

Remarks Or Additional Data:
CEMENT TOP CALCULATION IS BASED ON A
CEMENT YIELD OF 1.32 CU FT/SX AND
ASSUMES 30% LOSSES.

PBD 3756
TD 3800

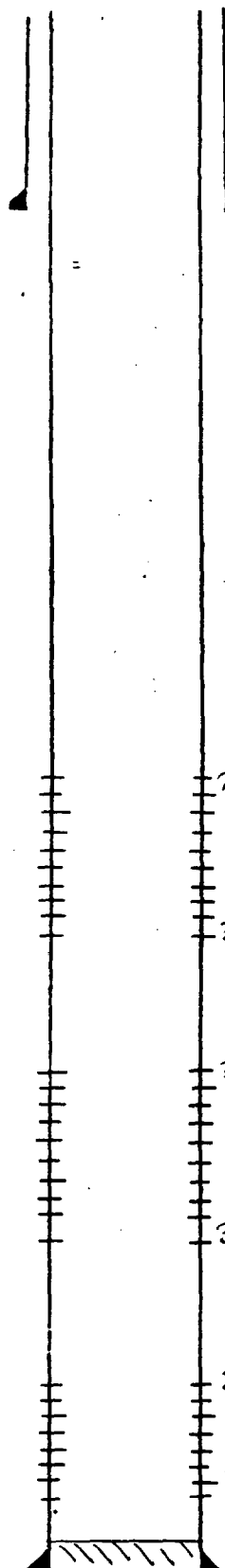
4 1/2 " OD 9.50# Thd
Gr. _____ Csg. _____
set @ 3787 ' w/ 250 sx
Cmt Circulated? NO
TOC @ 2114 ' by TS
CALC

AMERICAN EXPLORATION

LEASE & WELL NO. NEW MEXICO "M" STATE # 12 FIELD/POOL FUMONT DATE _____

LOCATION 660 FEET FROM SOUTH LINE AND 660 FEET FROM WEST LINE

SECTION 17-T225-R37E, UNIT LETTER M COUNTY LEA STATE NM



GE _____
KDB to GE _____
DF to GE _____

Date Completed _____
Initial Formation _____
From: _____ to _____ COR _____
Initial: Production _____ bopd _____ bwpd _____
Or: Injection _____ bwpd @ _____ psi

Completion Data:
(SEPTEMBER 1956) PERF'D 3590-3630

8 5/8" OD Surface Pipe
set @ 460' w/ 325 sx
Cmc. Circulated? YES

Subsequent Workover or Reconditioning:
(OCTOBER 1957) PERF'D 3454-3574, ACID'Z
& FRAC'D w/ 74,000 GALS OIL & 36,000 # SAND.

(DECEMBER 1973) PERF'D YATES-7 RVRS @
2598-3182, ACID'Z w/ 3000 GALS, FRAC'D
w/ 31,920 GALS & 30,740 # SAND.

Present Inj. _____ bwpd @ _____ psi Date _____
Present Prod. _____ bopd _____ bwpd Date _____
GAS _____ MCFPD _____

Remarks Or Additional Data: _____

PBD 3634
TD 3635

4 1/2" OD _____ Thd _____
Gr. _____ Csg. _____
set @ 3635' w/ 1550 sx
Cmc Circulated? YES
TOC @ ~ by TS

AMERICAN EXPLORATION

LEASE & WELL NO. NEW MEXICO "M" STATE # 42

FIELD/POOL LANGLIE MATTIX 7 RIVERS-QUEEN-GBG DATE

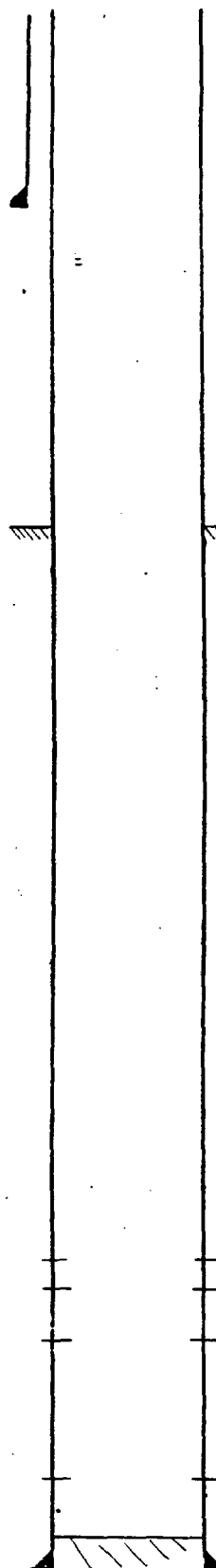
LOCATION 1650 FEET FROM NORTH

LINE AND 892 FEET FROM WEST LINE

SECTION 19-T225-R37E; UNIT LETTER E

COUNTY LEA

STATE NM



GE 3429
KDB to GE _____
DF to GE _____

7 " OD Surface Pipe
set @ 291 ' w/ 200 sx
Cmt. Circulated? YES

Date Completed _____
Initial Formation _____
From: _____ to _____ COR _____
Initial: Production _____ bopd _____ bupd _____
Or: Injection _____ bupd @ _____ psi

Completion Data:
(JUNE 1961) PERF'D 3564 - 3709 & FRAC'D
w/ 19,000 GALS OIL w/ 2 PPG SAND

Subsequent Workover or Reconditioning:
(SEPTEMBER 1965) CONVERTED TO INJECTION.

TOC @ 2400' BY TS

3054
3060
3091

3709

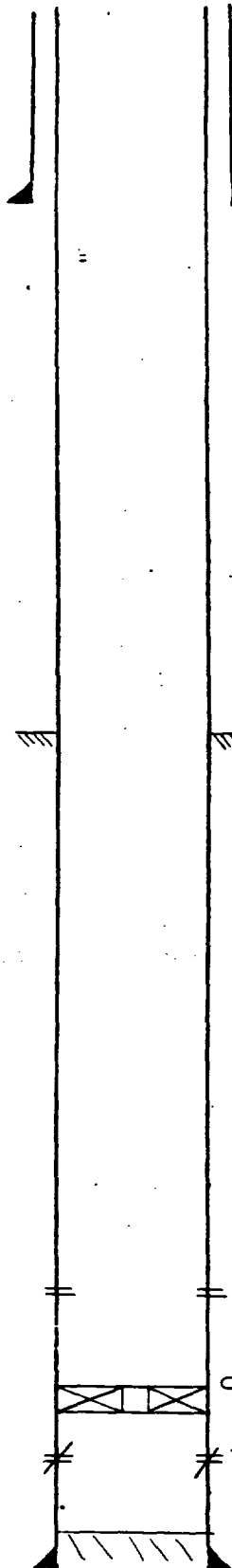
Present Inj. _____ bupd @ _____ psi Date _____
Present Prod. _____ bopd _____ bupd Date _____
GAS _____ MCFPD _____

Remarks Or Additional Data: _____

PBD
TD 3771

2 7/8 " OD 4.5 # _____ Thd
Gr. J-55 _____ Csg.
set @ 3760 ' w/ 225 sx
Cmt Circulated? NO
TOC @ 2400 ' by TS

AMERICAN EXPLORATION
 LEASE & WELL NO. NEW MEXICO "M" STATE #43 FIELD/POOL LANGLIE MATTIX 7 RYS GN GRB DATE _____
 LOCATION 1980 FEET FROM NORTH LINE AND 1980 FEET FROM WEST LINE
 SECTION 19-T22S-R37E; UNIT LETTER F COUNTY LEA STATE NM



GE 3421
 KDB to GE _____
 DF to GE _____

7 " OD Surface Pipe
 set @ 294 ' w/ 200 sx
 Cmt. Circulated? YES

Date Completed _____
 Initial Formation _____
 From: _____ to _____ COR _____
 Initial: Production _____ bopd _____ bwpd _____
 Or: Injection _____ bwpd @ _____ psi

Completion Data:
(JUNE 1961) PERF'D GRAYBURG 3684-88
& ACIDIZ W/ 1000 GALS

Subsequent Workover or Reconditioning:
(DECEMBER 1961) SET CICR @ 3668 & 30Z'D
PERF'S 3684-88 W/ 100 SX. PERF'D 3630-33.
FRAC'D W/ 10,000 GALS W/ 2 PPG SAND.

(FEBRUARY 1975) CLOSED IN.

TOC @ 2250 BY TS

3630-33

CICR @ 3668

3684-88 } 30Z'D
 w/ 100 SX

2 7/8 " OD 6.4 Thd
 Gr. J-55 Csg.
 set @ 3720 ' w/ 200 sx
 Cmt. Circulated? NO
 TOC @ 2250 ' by TS

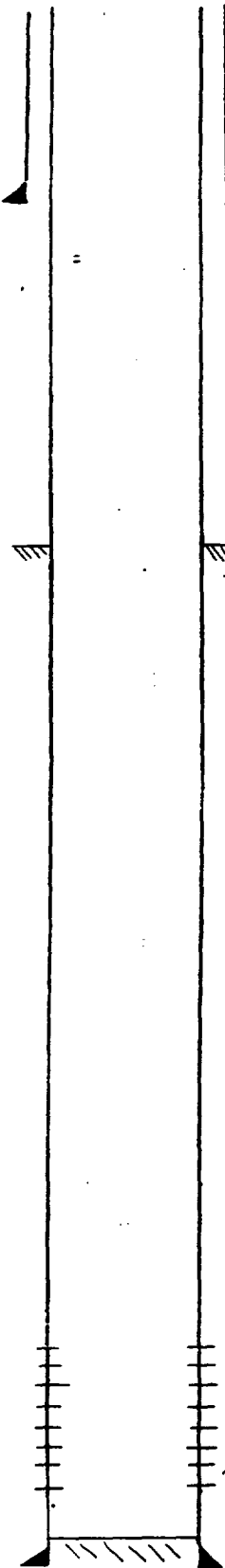
PBD 3709
 TD 3721

Present Inj. _____ bwpd @ _____ psi Date _____
 Present Prod. _____ bopd _____ bwpd Date _____
 GAS _____ MCFPD _____

Remarks Or Additional Data: _____

AMERICAN EXPLORATION

LEASE & WELL NO. NEW MEXICO "M" STATE #46 FIELD/POOL LANGLIE MATTIX TRYS-QUEEN-GRPG DATE _____
LOCATION 1880 FEET FROM NORTH LINE AND 1800 FEET FROM EAST LINE
SECTION 19-T225-R 37E, UNIT LETTER G COUNTY LEA STATE NM



GE 3429
KDB to GE _____
DF to GE _____

7 5/8 " OD Surface Pipe
set @ 305 ' w/ 200 sx
Circ. Circulated? YES

TOC @ 2326 BY CALC

3493

3613

PBD
TD 3703

2 7/8 " OD 6.4 # Thd
Gr. _____ Csg.
set @ 3701 ' w/ 250 sx
Circ. Circulated? NO
TOC @ 2326 ' by FS
CALC

Date Completed _____
Initial Formation _____
From: _____ to _____ GR
Initial: Production bopd _____ bwpd _____
Or: Injection bopd @ _____ psi

Completion Data:
(MAY 1965) PERF'D 3493-3613, ACID'Z W/
250 GALS & FRAC'D W/ 15,000 GALS W/ 1
PPG SAND. WATER INJECTION WELL.

Subsequent Workover or Reconditioning:

Present Inj. bopd @ _____ psi Date _____
Present Prod. bopd _____ bwpd Date _____
GAS _____ MCFPD _____

Remarks Or Additional Data:
TOC CALCULATION BASED ON A YIELD OF
1.32 CUFT/SX AND 30% LOSSES

AMERICAN EXPLORATION

LEASE & WELL NO. NEW MEXICO "M" STATE # 33

FIELD/POOL LANGLE MATTIX TRYS ON GRBG

DATE _____

LOCATION 1980

FEET FROM SOUTH

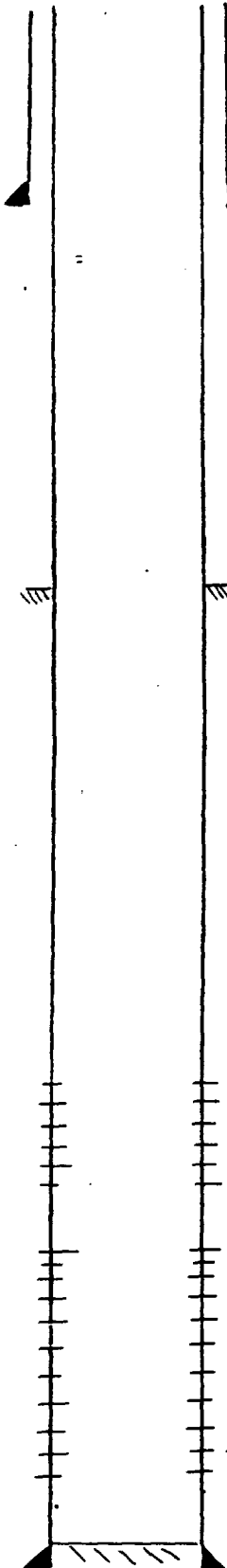
LINE AND 1880

FEET FROM WEST LINE

SECTION 19-T22S-R37E, UNIT LETTER K

COUNTY LEA

STATE NM



GE 3435 '
 KDB to GE _____ '
 DF to GE _____ '

7 " OD Surface Pipe
 sec @ 293 ' w/ 200 sx
 Cmc. Circulated? YES

Date Completed _____
 Initial Formation _____
 From: _____ ' to _____ ' GR
 Initial: Production _____ bopd _____ bwpd
 Or: Injection _____ bwpd @ _____ psi

Completion Data:
(FEBRUARY 1961) PERF'D 3716 - 52. FRAC'D
w/ 15,000 GALS & 30,000 # SAND.

Subsequent Workover or Reconditioning:
(APRIL 1965) PERF'D 3638 - 3703. FRAC'D
w/ 10,000 GALS & 10,000 # SAND. CONVERTED
TO WATER INJECTION.

TOC @ 2125 BY CALC

3638

3703

3716

3752

Present Inj. _____ bwpd @ _____ psi Date _____
 Present Prod. _____ bopd _____ bwpd Date _____
 GAS _____ MCFPD _____

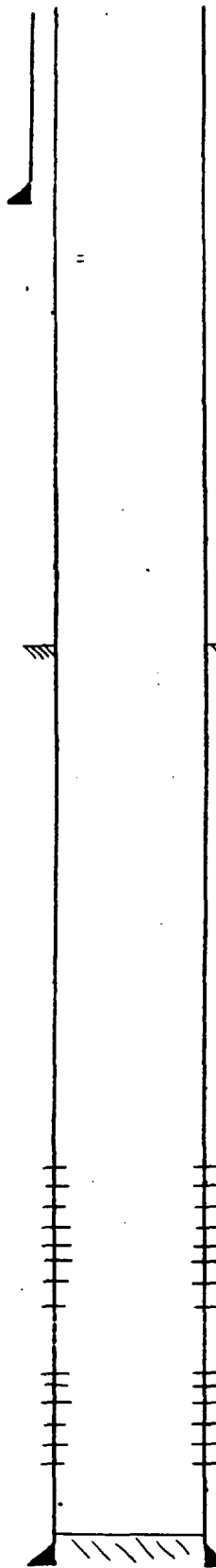
Remarks Or Additional Data:
TOP OF CEMENT CALCULATION BASED ON
A YIELD OF 1.32 CU FT/SX AND 30% LOSSES.

PBD 3715 '
 TD 3776 '

2 7/8 " OD 6.4 # Thd
 Gr. _____ Csg. _____
 sec @ 3775 ' w/ 300 sx
 Cmc Circulated? NO
 TOC @ 2125 ' by FR
CALC

AMERICAN EXPLORATION

LEASE & WELL NO. NEW MEXICO "M" STATE #40 FIELD/POOL LANGLIE MATTIX TRYS ON GREG DATE _____
 LOCATION 2310 FEET FROM SOUTH LINE AND 890 FEET FROM WEST LINE
 SECTION 19-T22S-R37E, UNIT LETTER L COUNTY LEA STATE NM



GE 3436
 KDB to GE _____
 DF to GE _____

7 " OD Surface Pipe
 set @ 297 ' w/ 200 sx
 Cat. Circulated? NA
 @ SURF BY CALC

TOC @ 2350' BY CALC

3054

3693

3710

3732

PBD 3779
 TD 3786

2 7/8 " OD 6.40 Thd
 Gr. 3-55 Csg.
 set @ 3785 ' w/ 200 sx
 Cat Circulated? NO
 TOC @ 2350 ' by TS

Date Completed _____
 Initial Formation _____
 From: _____ to _____ COR _____
 Initial: Production bopd _____ bwpd _____
 Or: Injection bwpd @ _____ psi

Completion Data:
(APRIL 1961) PERF'D 3710-32. ACID' #
& FRAC'D w/ 15,000 GALS & 30,000 # SAND.

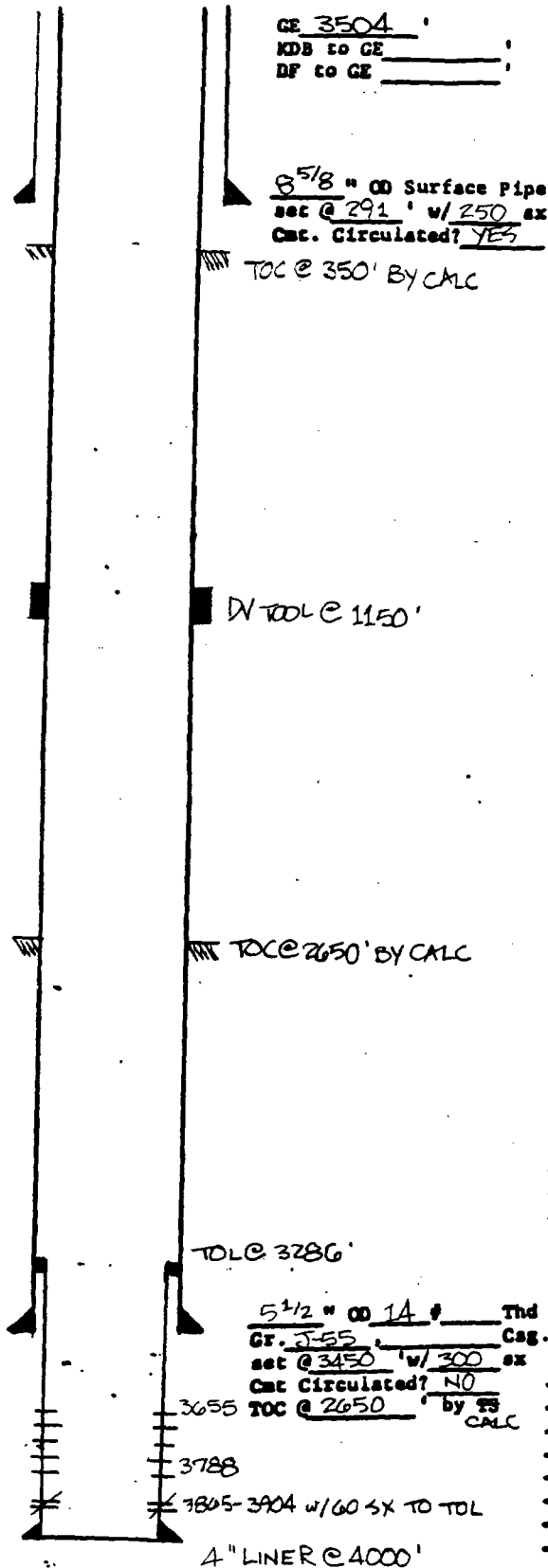
Subsequent Workover or Reconditioning:
(JULY 1965) PERF'D 3654-93. FRAC'D w/
10,000 GALS OIL & 10,000 # SAND.

Present Inj. bwpd @ _____ psi Date _____
 Present Prod. bopd _____ bwpd Date _____
 GAS _____ MCFPD _____

Remarks Or Additional Data:
TOC CALCULATION BASED ON A YIELD
OF 1.32 CU FT/SX AND 30% LOSSES

AMERICAN EXPLORATION, (FORMERLY TRES OIL CO)

LEASE & WELL NO. STATE #1 FIELD/POB LANGLIE MATTIX DATE _____
 LOCATION 1600 FEET FROM NORTH LINE AND 660 FEET FROM WEST LINE
 SECTION ZO-T22S-R37E, UNIT LETTER D COUNTY LEA STATE NM



GE 3504
 KDB to GE _____
 DF to GE _____

8 5/8 \" OD Surface Pipe
 set @ 291 ' w/ 250 sx
 Cmc. Circulated? YES

TOC @ 350' BY CALC

DV TOOL @ 1150'

TOC @ 2650' BY CALC

TOC @ 3286'

5 1/2 \" OD 1A # _____ Tnd
 GR. J-55 Csg.
 set @ 3450 ' w/ 300 sx
 Cmc. Circulated? NO
 TOC @ 2650 ' by TS
 CALC

3655

3788

3805-3904 w/ 60 SX TO TOL

4\" LINER @ 4000'

PBD 3954 '
 TD 4000 '.

Date Completed _____
 Initial Formation _____
 From: _____ to _____ GOR _____
 Initial: Production _____ bopd _____ bwpd _____
 Or: Injection _____ bwpd @ _____ psi

Completion Data:
(MARCH 1956) ACID'Z & FRAC'D OH 3450'-3600'

Subsequent Workover or Reconditioning:

(JULY 1963) REFRAC'D OH.

(APRIL 1971) DEEPENED TO 4000', SET 4\" LINER FROM 4000' TO 3286' & CMT'D w/ 60 SX. PERFD 3655-3788. ACID'Z & FRAC'D w/ 40,000 GALS & 40,000 # SAND.

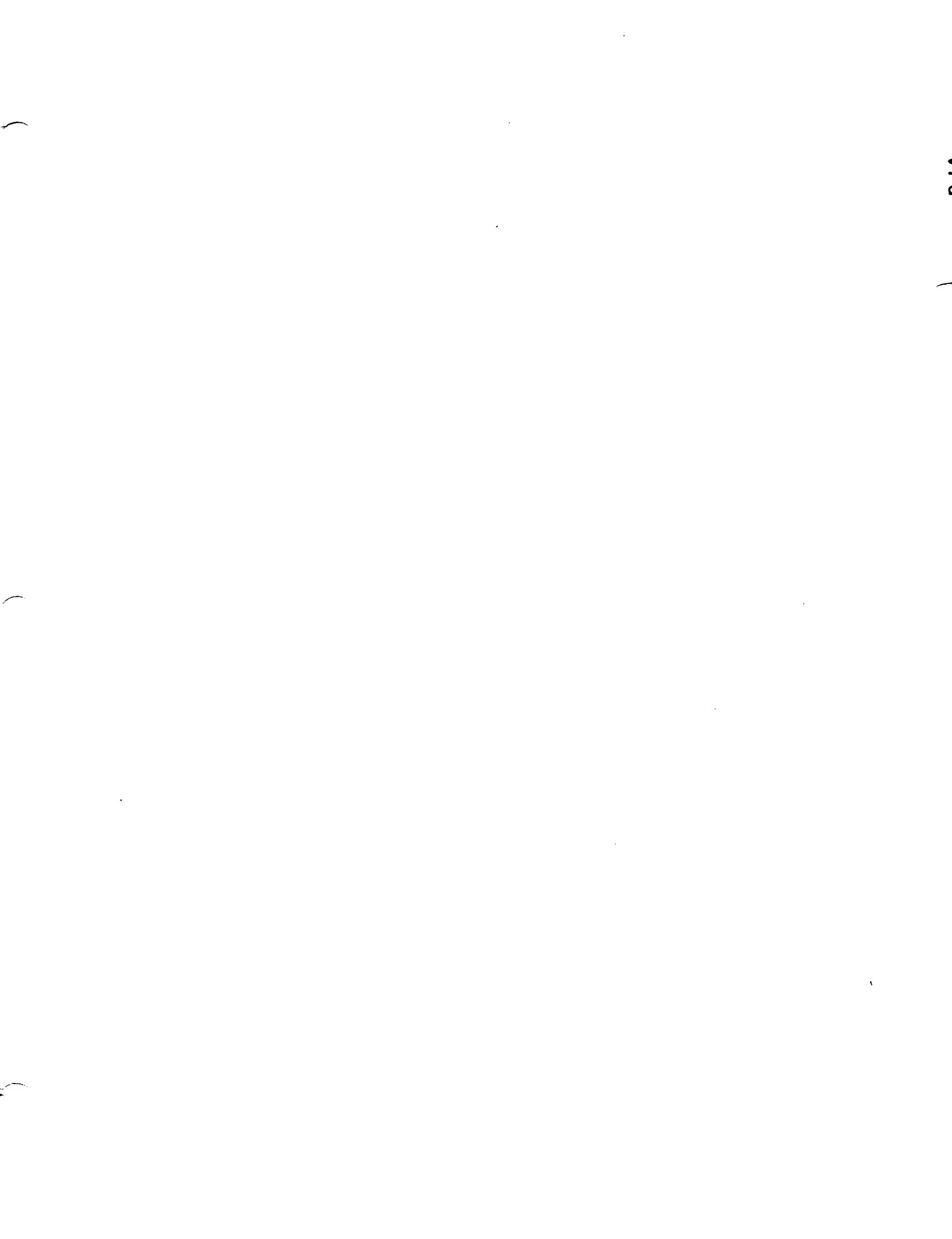
(1975) CLOSED IN

(JUNE 1988) PURCHASED BY AMERICAN EXPLORATION.

Present Inj. _____ bwpd @ _____ psi Date _____
 Present Prod. _____ bopd _____ bwpd Date _____
 GAS _____ MCFPD _____

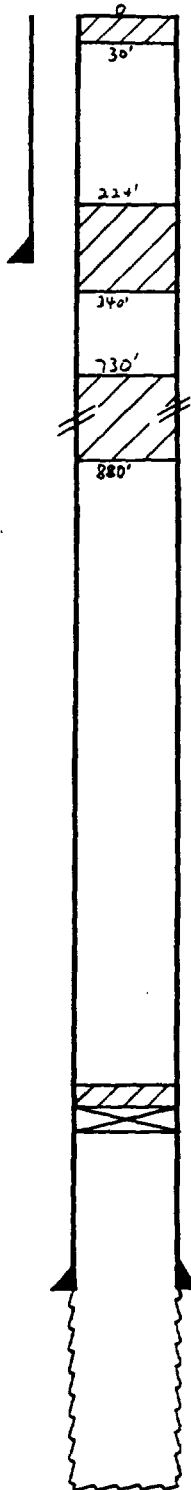
Remarks Or Additional Data:
TOC CALCULATIONS ARE BASED ON A YIELD OF 1.32 W/ET/SX AND 30% LOSSES.

NOTE: 5 1/2\" CSG WAS CEMENTED w/ 150 SX, DV TOOL WAS OPEN & 150 SX WAS PUMPED ABOVE TOOL.



WELL DATA SHEET

LEASE Arco J.M. Brownlee WELL NO. 3 FIELD P/A DATE 12/2/88
 LOCATION 1650 FEET FROM S LINE AND 330 FEET FROM W LINE
 SECTION 25 TOWNSHIP 21-S RANGE 36-E COUNTY Lea STATE NM



GE: 3538
 KDB to GE _____
 DF to GE _____

8 5/8" OD _____ lbs.
 Surf. Pipe set @
 281 w/ 200 sx
 cmt. Circ? N/A
 Toc @ Surf by Calc

Pulled 840' casing

CIBP @ 3700' w/
 35' cmt.

5 1/2" OD
 Gr H-40
 15 # Csg set @
 3755' w/ 250 sx
 Cmt. Circ? No
 TOC @ 98' by TB
Calc

Date Completed 2/15/42
 Initial Formation Grayburg
 FROM: 3755 TO: 3845
 Initial Production 364 BOPD 0 BWPD
 nm MCFPD nm GOR

Completion Data:
 Acidized openhole 3755-3845' w/4500
 gallons.

Subsequent Workover or Reconditioning:
 7/60 - Acidized w/500 gals 15%

4/72 - P&A. CIBP @ 3700' capped w/
 5 sx. Shot and pulled csg
 from 840'. Cmt plugs at 730-
 880', 224-340', and 0-30'.

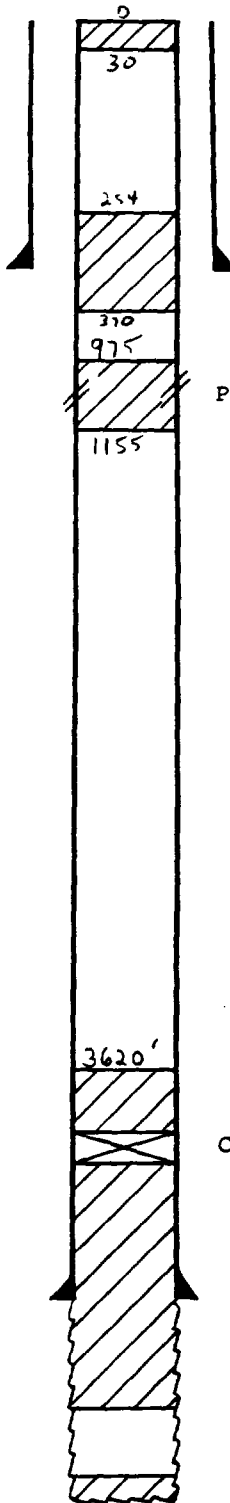
Present Prod. _____ BOPD _____ BWPD
 _____ MCFPD _____ GOR
 _____ Date

Remarks or Additional Data:
 5 1/2 in 6 3/4 hole.
 8 1/8" in 12 1/4" hole

PBD 3665
 TD 3845

WELL DATA SHEET

LEASE Arco J.M. Brownlee WELL NO. 2 FIELD P/A DATE 12/2/88
 LOCATION 330 FEET FROM S LINE AND 330 FEET FROM W LINE
 SECTION 25 TOWNSHIP 21-S RANGE 36-E COUNTY Lea STATE NM



GE: 3515
 KDB to GE _____
 DF to GE _____

8 5/8" OD _____ lbs.
 Surf. Pipe set @
316 w/ 150 sx
 cmt. Circ? N/A
 TOC & Surf by calc

Pulled 1047' casing

CIBP @ 3670'

5 1/2" OD
 Gr _____
 17 # Csg set @
3723 ' w/ 200 sx
 Cmt. Circ? No
 TOC @ 2955 by TS
Calc

Date Completed 12/22/41
 Initial Formation Grayburg
 FROM: 3723 TO: 3807
 Initial Production 1226 BOPD _____ BWPD _____
 _____ MCFPD _____ GOR _____

Completion Data:
Acidized w/1500 gallons.

Subsequent Workover or Reconditioning:
10/55 - PB to 3770' w/hydromite

4/72 - P&A. Set cmt. plug 3530-3740,
CIBP @ 3670' cmt. plugs @
975-1155, 254-370', 0-30.
Recovered 1047' casing.

* Plug @ 3530 would not hold.

Present Prod. _____ BOPD _____ BWPD _____
 _____ MCFPD _____ GOR _____
 _____ Date _____

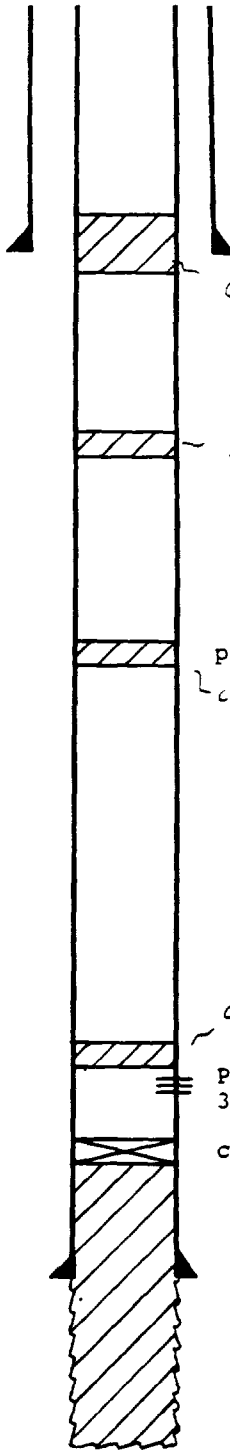
Remarks or Additional Data:
5 1/2" in 8 5/8" hole
8 1/8" in 12 1/4" hole

PBD _____
 TD 3807

WELL DATA SHEET

115

LEASE Bay Petroleum Brownlee WELL NO. 1 FIELD Dry Hole DATE 12/2/88
LOCATION 660 FEET FROM S LINE AND 1980 FEET FROM E LINE
SECTION 25 TOWNSHIP 21-S RANGE 36-E COUNTY Lea STATE NM



GE: 3532 '
KDB to GE _____ '
DF to GE _____ '

10 3/4" OD 40 lbs.
Surf. Pipe set @
320 w/ 175 sx
cmt. Circ? N/A

cmt 275-355 face surf
by calc

cmt 1300-1360

pulled 2500' csg.
cmt 2500-2560

cmt 3670-3730

Penrose Perfs
3695'-3730'

cmt. rtn. @ 3730'

5 1/2" OD
Gr H-40
17 # Csg set @
3740' w/ 100 sx
Cmt. Circ? No
TOC @ 3374 by PS
Calc

Date Completed 2/20/43
Initial Formation Grayburg
FROM: 3695 TO: 3956
Initial Production 0 BOPD _____ BWPD _____
MCFPD _____ GOR _____

Completion Data:
Drilled to 3956. Treat OH w/2000
gals. Set rtn at 3730 and squeeze
OH w/100 sx. Perf casing 3695-3730'.
Acidize w/2000 gals 20%. Spct 8 sxs
cmt 3670-3730. Pulled 2500' csg. Set
cmt plugs at 2500-60', 1300-1360',
275-355'.

P&A

Subsequent Workover or Reconditioning:

Present Prod. _____ BOPD _____ BWPD _____
MCFPD _____ GOR _____
Date _____

Remarks or Additional Data:
5 1/2" csg in 8 3/4" hole

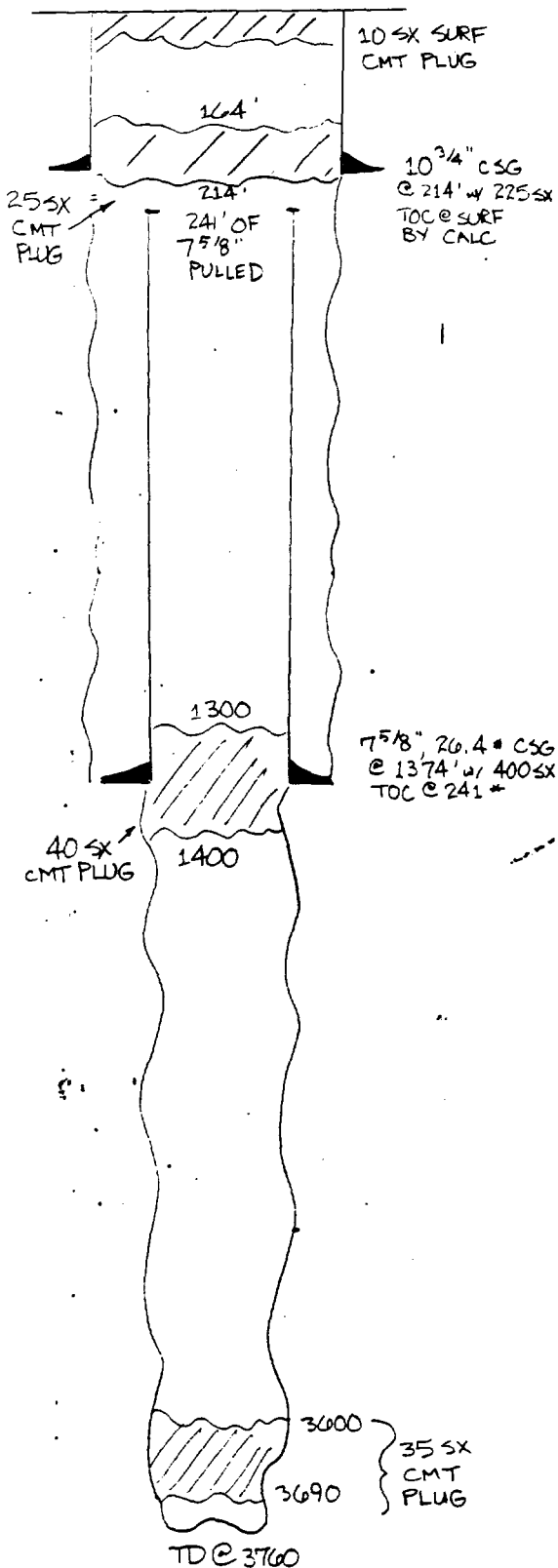
No 2 abnd location.

PBD 3730 '
TD 3956 '

EXXON

LEASE & WELL NO. NEW MEXICO G STATE # 3 FIELD/POOL _____ DA. _____
LOCATION 1980 FEET FROM SOUTH LINE AND 660 FEET FROM EAST LINE
SECTION 26 - T215 - R36E UNIT LETTER I COUNTY LEA STATE NM

G.E. = 3553



Date Completed _____
Initial Formation _____
From: _____ to _____ COR _____
Initial: Production _____ bopd _____ bwpd _____
Or: Injection _____ bwpd @ _____ psi

Completion Data:
AUG 1ST 1942 SPOT CMT PLUG w/ 35 SX @ 3600-9
40 SX @ 1300-1400. PULLED 241' 7 5/8 CSG.
SPOT 25 SX CMT PLUG @ 164'-214' & 10 SX
SURFACE PLUG. WELL P&AID

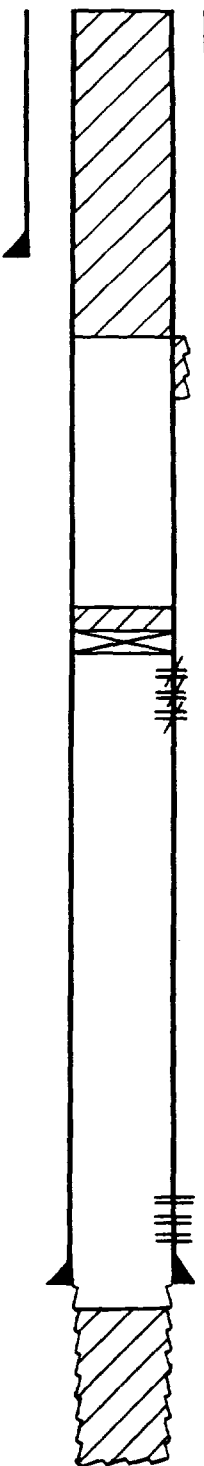
Subsequent Workover or Reconditioning:

Present Inj. _____ bwpd @ _____ psi Date _____
Present Prod. _____ bopd _____ bwpd Date _____
GAS _____ MCFPD _____

Remarks Or Additional Data:
* TOC BEHIND 7 5/8" IS BASED ON CASING RECOVERY (i.e. 241'), SINCE CALCULATION INDICATED THAT CEMENT VOLUME WAS SUFFICIENT ENOUGH TO REACH SURFACE.

TOC CALCULATIONS ARE BASED ON A CEMENT YIELD OF 1.32 CUFT / SX w/ 20% LOSSES

LEASE Chevron WA Ramsay (NCT-A) WELL NO. 6 FIELD Plugged DATE 11/15/88
LOCATION 1980 FEET FROM N LINE AND 660 FEET FROM E LINE
SECTION 35 TOWNSHIP 21-S RANGE 36-E COUNTY Lea STATE NM



GE: 3550 '
KDB to GE 10 '
DF to GE _____'

9 5/8" OD _____ lbs.
Surf. Pipe set @
291 w/ 250 sx
cmt. Circ? Yes

Casing cut at
295' and 475'

Squeezed casing leak
540'-713'

CIBP @ 2794'

Squeezed Eumont Perfs
2855'-3562'

Grayburg Perfs
3718'-22 & 3740'-41'

5 1/2" OD
Gr H _____
14 # Csg set @
3750 ' w/ 400 sx
Cmt. Circ? No
TOC @ 1617 by TS

Calc

Date Completed 5/13/40
Initial Formation Grayburg
FROM: 3750 TO: 3850
Initial Production 1200 BOPD 0 BWPD
1217 MCFPD 1014 GOR

Completion Data:
OH Completion _____

Subsequent Workover or Reconditioning:
9/15/48 - Install pkr at 3673

6/10/49 - Install gas lift system

4/7/53 - Install rod pumping system

10/1/65 - CI well

1/15/75 - Abandoned Grayburg w/CIBP @ 3726'. Located casing leaks 540 - 713'. Squeezed leaks w/455 sxs. Perf Eumont 2855-3562'. Fraced w/4180 gals & 4000 #'s sand. Unsuccessful. Left CI.

10/3/84 - Squeezed perfs 2855-3562' w/100 sxs. Drilled out CIBP 3726'. CO to 3829'. Cap hole w/sand and Hydromite to 3758'. Perf Grayburg 3718-22 and 3740-41'. Acidized w/200 gals. IP = 3 BO & 110 BWPD.

8/30/85 - Set CIBP @ 2794'. Test csg Leaks 10' to 540'.

10/31/85 - P&A. Dump 35 sxs on CIBP. Cut casing at 295' and 475'. Could not recover. Spot cmt plug at 563' to surface.

Present Prod. _____ BOPD _____ BWPD
_____ MCFPD _____ GOR
_____ Date _____

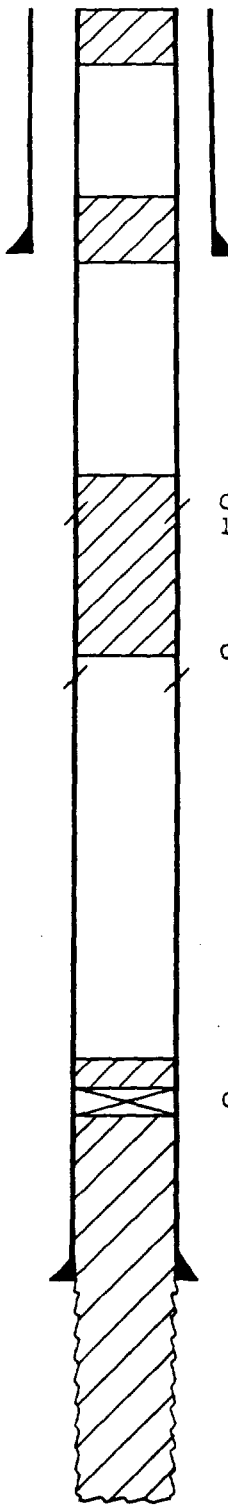
Remarks or Additional Data:
5 1/2" casing in 7 7/8" hole
4 3/4" openhole

PBD 3758 '

TD 3850 '

WELL DATA SHEET

LEASE Arco State "D" DE WELL NO. 2 FIELD P&A DATE 11/15/88
 LOCATION 1650 FEET FROM S LINE AND 2310 FEET FROM E LINE
 SECTION 36 TOWNSHIP 21-S RANGE 36-E COUNTY Lea STATE NM



GE: 3515 '
 KDB to GE 11 '
 DF to GE _____'

8 5/8" OD 28 lbs.
 Surf. Pipe set @
1174 w/ 500 sx
 cmt. Circ? yes

Cut and pulled
 1976' casing

Cut csg. @ 2190'

Cmt rtn @ 3665'

5 1/2" OD
 Gr _____
14 # Csg set @
3715 ' w/ 75 sx
 Cmt. Circ? NO
 TOC @ 2885 by TG
 Calc

Date Completed 12/39
 Initial Formation Grayburg
 FROM: 3715 TO: 3811
 Initial Production 120 BOPD 0 BWPD
 _____ MCFPD _____ GOR

Completion Data:
 OH Completion _____

Subsequent Workover or Reconditioning:

- 3/41 - Shot OH w/140 qts SNG
- 6/59 - Sand fraced w/10,000 gals & 10,000 #'s sand.
- 4/76 - Acidized w/1500 gals 50/50 xylene/15%.
- 8/76 - P&A. Set cement rtn @ 3665 and squeezed w/65 sxs. Dumped 5 sxs on rtn. Cut casing at 2190. Could not recover. Cut casing @ 1976 and recovered cmt plugs at 1793 - 2025', 1034 - 1235', 0 - 30'.

Present Prod. _____ BOPD _____ BWPD
 _____ MCFPD _____ GOR
 _____ Date _____

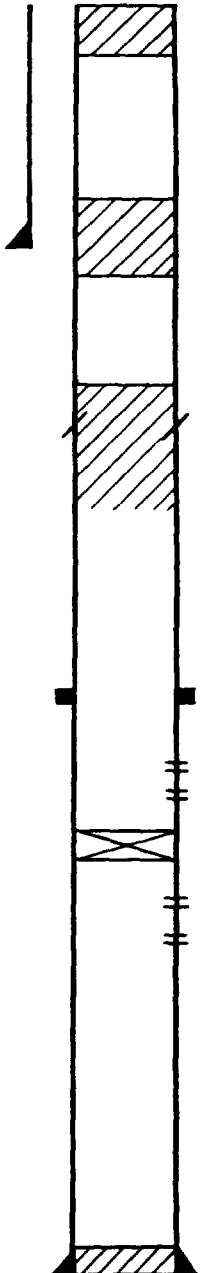
Remarks or Additional Data:

5 1/2" - 6 3/4 hole

PBD P&A '
 TD 3811 '

WELL DATA SHEET

LEASE Chevron H. Leonard (NCT-C) WELL NO. 11 FIELD P&A DATE 11/16/88
 LOCATION 2200 FEET FROM S LINE AND 2200 FEET FROM W LINE
 SECTION 36 TOWNSHIP 21-S RANGE 36-E COUNTY Lea STATE NM



GE: 3520 '
 KDB to GE 15 '
 DF to GE _____'

9 5/8" OD 36 lbs.
 Surf. Pipe set @
1158 w/ 585 sx
 cmt. Circ? yes

recovered 1979'
 casing

Casing parted at
 1994'

DV Tool @ 3878

Blinebry Perfs
 5783-5890
 CIBP @ 5940'

Drinkard Perfs
 6514-6590

7 " OD
 Gr J-55
20, 23, & 26# Csg set @
6698 ' w/ 830 sx
 Cmt. Circ? No
 TOC @ 2455 by TS

Date Completed 2/7/65
 Initial Formation Blinebry
 FROM: 5783 TO: 5890
 Initial Production 29 BOPD 5 BWPD
50.4 MCFPD 1724 GOR

Completion Data:
 Perf Drinkard 6514 - 6590. Acidize
 perfs separately with a total of
8200 gals. Perfed Blinebry 5783 -
 5890'. Set CIBP @ 5940'. Broke
 perfs w/500 gals 15%. Fraced
 Blinebry w/32,282 gals w/1-2 ppg
 glass beads.
 Drinkard TA'd.

Subsequent Workover or Reconditioning:
9/6/66 - Retrieved BP. Downhole
 commingled Blinebry &
 Drinkard.

7/23/68 Found csg. parted @ 1994'.
 Cut and pulled 1979' of 7"
 casing - could not re-
 enter casing. Ran tbq to
 1984' and pumped 100 sxs.
 Ran wireline to 2136'. Ran
 tbq to 1984 and pumped 100
 sxs. Ran wireline to
 2200'. Dump gravel to
 make bridge. Ran wireline
 to 2781'. Ran tbq to
 2273'. Ran wireline in
 tbq. Hit bridge at 2274'.
 Ran tbq to 1984'. Pumped
 300 sx cmt. TOC @ 1869'.
 Set 50 sx cmt plug 1100 -
 1212'. Set wood plug @ 52'
 and cmt to surface. P&A.

Present Prod. _____ BOPD _____ BWPD
 _____ MCFPD _____ GOR
 _____ Date

Remarks or Additional Data:
7" ir. 5 3/4" hole

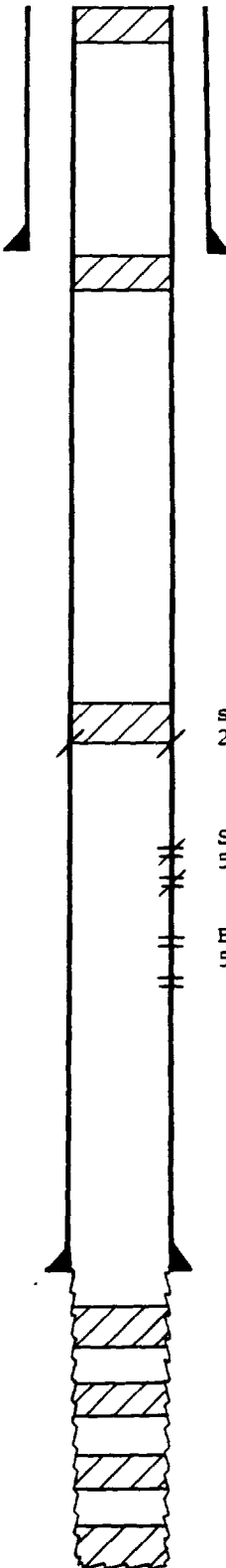
PBD 6661 '
 TD 6700 '

WELL DATA SHEET

LEASE Shell State "D" WELL NO. 1 FIELD P&A DATE 11/15/88

LOCATION 990 FEET FROM S LINE AND 1980 FEET FROM E LINE

SECTION 36 TOWNSHIP 21-S RANGE 36-E COUNTY Lea STATE NM



GE: 3497 '
KDB to GE 11 '
DF to GE 10 '

9 5/8"OD 32 & 36lbs.
Surf. Pipe set @
1193 w/ 500 sx
cmt. Circ? Yes

shot and recovered
2429' casing

Squeezed Perfs
5153'-5198'

Blinebry Perfs
5152'-5174'

4 1/2 " OD
Gr J-55
11.6# Csg set @
5353 ' w/ 850 sx
Cmt. Circ? No
TOC @ 2775 by TS
calc

Date Completed 10/10/63
Initial Formation Blinebry
FROM: 5152' TO: 5174'
Initial Production _____ BOPD _____ BWPD
_____ MCFPD _____ GOR

Completion Data:
Perf 5153 - 5198. Acidized w/1000
gals. Squeezed perfs w/135 sx. Perf
5190 - 5194. Acidize w/500 gals.
Squeezed 5190 - 5194 w/60 sx. Perf
5152 - 56' & 5169 - 5174'. Acidized
w/500 gals. Fraced. Shot & pulled
casing @ 2429'.

Plugging Record:

25 sx @ 2429'
25 sx @ 1215'
15 sx @ surface

Subsequent Workover or Reconditioning:

Present Prod. _____ BOPD _____ BWPD
_____ MCFPD _____ GOR
Date _____

Remarks or Additional Data:

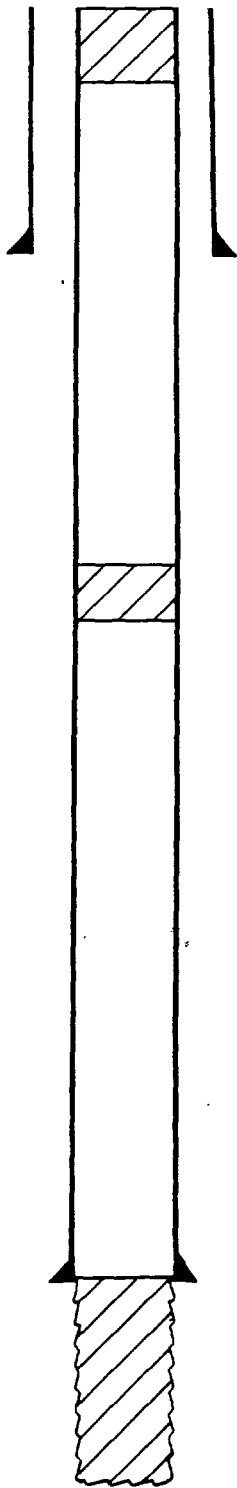
4 1/2" in 8 3/4" hole

PBD _____

TD 6900

WELL DATA SHEET

LEASE Gribble State WELL NO. 1 FIELD P&A DATE 11/15/88
LOCATION 330 FEET FROM S LINE AND 990 FEET FROM E LINE
SECTION 36 TOWNSHIP 21-S RANGE 36-E COUNTY Lea STATE NM



GE: 3493 '
KDB to GE _____ '
DF to GE _____ '

8 5/8" OD 32 lbs.
Surf. Pipe set @
316 w/ 170 sx
Cmt. Circ? _____

Date Completed 1/28/44
Initial Formation Grayburg
FROM: 3704 TO: 3816
Initial Production 50 BOPD _____ BWPD _____
_____ MCFPD _____ GOR _____

Completion Data:
Acidized w/5000 gals.

Subsequent Workover or Reconditioning:
2/22/51 - Plugged well. Cmt plugs at
bottom, salt, surface.
(Work done by Hobbs Pipe &
Supply - Morris Antweil.)
Depths Not Recorded

5 1/2" OD
Gr _____
17 # Csg set @
3704 ' w/ 50 sx
Cmt. Circ? _____
TOC @ 3512 by T6
Calc

Present Prod. _____ BOPD _____ BWPD _____
_____ MCFPD _____ GOR _____
_____ Date _____

Remarks or Additional Data:
5 1/2" in 8 5/8 hole (reported)

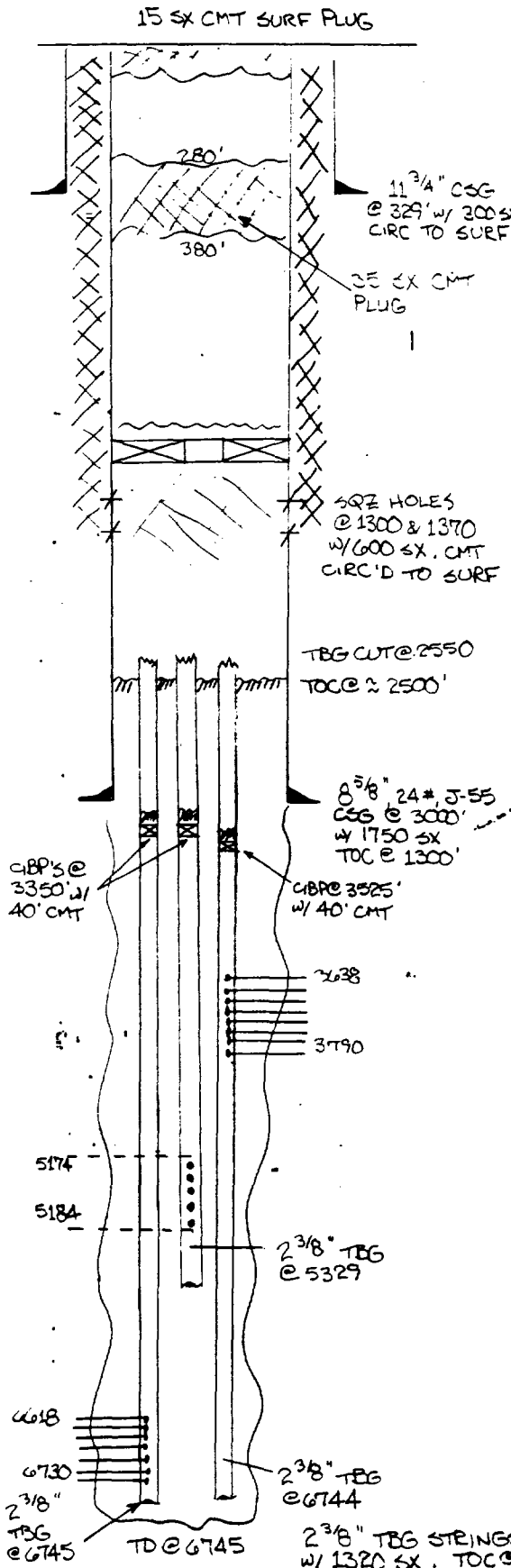
Never produced!

PBD _____ '
TD 3816 '

TEXACO

USE & WELL NO. V.M. HENDERSON #8 FIELD/POOL P&A DA. _____
 LOCATION (66) FEET FROM WEST LINE AND 1980 FEET FROM NORTH LINE
 SECTION 30-T215-R37E, UNIT LETTER E COUNTY LEA STATE NM

G.E. = 3498'



Date Completed _____
 Initial Formation _____
 From: _____ to _____ GOR _____
 Initial: Production _____ bopd _____ bwpd _____
 Or: Injection _____ bwpd @ _____ psi

Completion Data:
 (MARCH 1962) PERF'D DRINKARD STRING @ 6618-6730 & ACID'Z w/ 6000 GALS.
 PERF'D PADDOCK STRING @ 5174-84 & ACID'Z w/ 1500 GALS.
 PERF'D GRAYBURG STRING @ 3638-3790 & ACID'Z w/ 2000 GALS. FRAC'D w/ 10,000 GALS & 7500 LBS

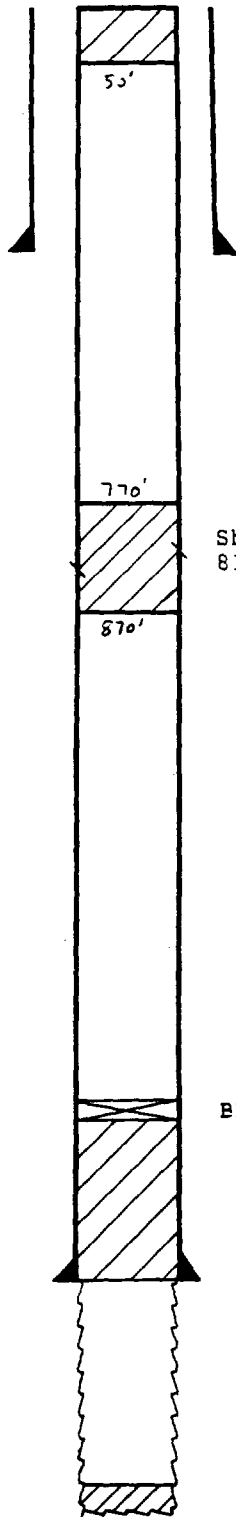
Subsequent Workover or Reconditioning:
 (FEBRUARY 1969) CONVERTED DRINKARD TO INJ
 (AUGUST 1969) CLOSED IN PENROSE SKEDY GRAYBURG
 (NOVEMBER 1973) CLOSED IN DRINKARD
 (DECEMBER 1983) PLUGGED & ABANDONED

Present Inj. _____ bwpd @ _____ psi Date _____
 Present Prod. _____ bopd _____ bwpd Date _____
 GAS _____ MCFPD _____

Remarks Or Additional Data:
 * TBG TOC @ 1500'; HOWEVER APPARENT CMT TOP BASED ON CUT & PULL RECORDS.

ORIGINAL TOP OF CEMENT BEHIND 8 5/8" CSG BASED ON SUBSEQUENT 30Z WORK PERFORMED

LEASE Conoco State J-2 WELL NO. 13 FIELD P&A DATE 11/21/88
LOCATION 990 FEET FROM N LINE AND 990 FEET FROM E LINE
SECTION 2 TOWNSHIP 22-S RANGE 36-E COUNTY Lea STATE NM



GE: 3549 '
KDB to GE 11 '
DF to GE _____'

10 3/4" OD _____ lbs.
Surf. Pipe set @
284 w/ 250 sx
cmt. Circ? Yes

Shot and pulled
815' casing

BP @ 2800'

5 1/2" OD
Gr _____
Csg set @
2839 ' w/ 1150 sx
Cmt. Circ? No
TOC @ 975 by TS

Date Completed 3/16/52
Initial Formation Eumont
FROM: 3385 TO: 3508
Initial Production _____ BOPD _____ BWPD
_____ MCFPD _____ GOR

Completion Data:
Perf OH 3385 - 3508
Dry hole.

Subsequent Workover or Reconditioning:
12/21/52 - Set 50' cmt plug 3522 -
3572'. Set plug @ 2800'
and squeezed w/50 sxs.
Shot and pulled 815'
casing. 100' cmt plug
770 - 870', 50' plug
surface to 50'.

Present Prod. _____ BOPD _____ BWPD
_____ MCFPD _____ GOR
Date _____

Remarks or Additional Data:
5 1/2" casing in 6 3/4" OH

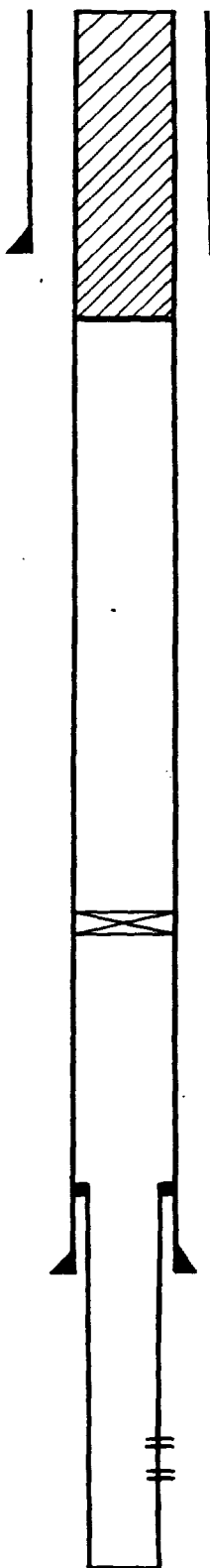
PBD _____'

TD 3572 _____'

WELL DATA SHEET

155

LEASE Conoco State J-2 WELL NO. 8 FIELD P&A DATE 11/21/88
LOCATION 1980 FEET FROM N LINE AND 2310 FEET FROM W LINE
SECTION 2 TOWNSHIP 22-S RANGE 36-E COUNTY Lea STATE NM



GE: 3544 '
KDB to GE _____ '
DF to GE 10 _____ '

10 3/4" OD 32.75 lbs.
Surf. Pipe set @
328 w/ 250 sx
cmt. Circ? N/A
TOC surf by calc
Casing leaks @ 670'-90'

RBP @ 2000'

5 1/2" OD
Gr _____
17 # Csg set @
3704 ' w/ 900 sx
Cmt. Circ? N/A
TOC @ Surf by PS
Calc

4" liner set @ 3666'-
3866' w/ 100 sxs.

Grayburg Perfs
3847'-61'

Date Completed 6/24/40
Initial Formation Grayburg
FROM: 3704 TO: 3804
Initial Production 2448 BOPD 0 BWPD
744 MCFPD 304 GOR

Completion Data:
OH Completion

Subsequent Workover or Reconditioning:
8/3/47 - Deepened to 3866', Set 4"
liner 3666-3866'. Perf
3847-52', 3855-61'. Acid-
ized w/500 gals HCL.

12/9/52 - Acidized w/500 gals.

4/5/56 - Acidized w/1500 gals.

4/15/73 - Clean out to 3862'.

4/16/85 - Clean out to 3864', found
tight spots in casing.

5/20/85 - Set RBP @ 2000'. Unsuc-
cessfully attempted to
squeeze csg leaks 670-90'.

5/23/86 - Unsuccessfully reattempted
to squeeze leaks.

7/86 - P&A, Fill casing 700' to
surface w/cmt.

Present Prod. _____ BOPD _____ BWPD
_____ MCFPD _____ GOR
_____ Date _____

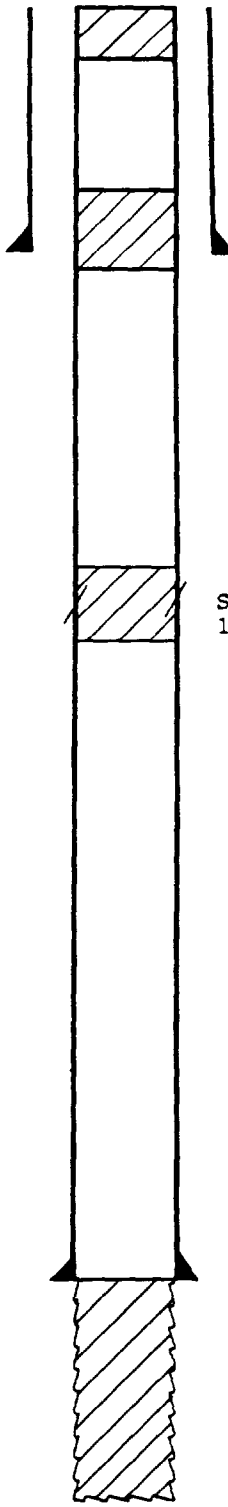
Remarks or Additional Data:

5 1/2" x 6 1/4" hole

PBD PA '
TD 3866 '

WELL DATA SHEET

LEASE OXY State "N" WELL NO. 1 FIELD P&A DATE 11/21/88
 LOCATION 990 FEET FROM S LINE AND 2310 FEET FROM W LINE
 SECTION 2 TOWNSHIP 22-S RANGE 36-E COUNTY Lea STATE NM



GE: 3539
 KDB to GE _____
 DF to GE _____

8 5/8" OD _____ lbs.
 Surf. Pipe set @
315 w/ 125 sx
 cmt. Circ? Yes

Shot and recovered
 1016' casing

5 1/2" OD
 Gr _____
17 # Csg set @
3700 ' w/ 300 sx
 Cmt. Circ? No
 TOC @ 2100 by TS
 Calc

Date Completed 7/26/39
 Initial Formation Grayburg
 FROM: 3700 TO: 3820
 Initial Production 2640 BOPD 0 BWPD
1950 MCFPD 739 GOR

Completion Data:
OH Completion

Subsequent Workover or Reconditioning:
5/48 - Deepened to 3878'. Produced
100% water.

11/3/48 - PB to 3700' w/25 sxs cmt.
Spot 25 sxs @ 1000'. Shot
and recovered 1016' csg.
Spot 25 sxs @ 315'. Spot
23 sxs surface P&A.

Present Prod. _____ BOPD _____ BWPD
 _____ MCFPD _____ GOR
 _____ Date

Remarks or Additional Data:
5 1/2" assumed in 7 1/8" hole

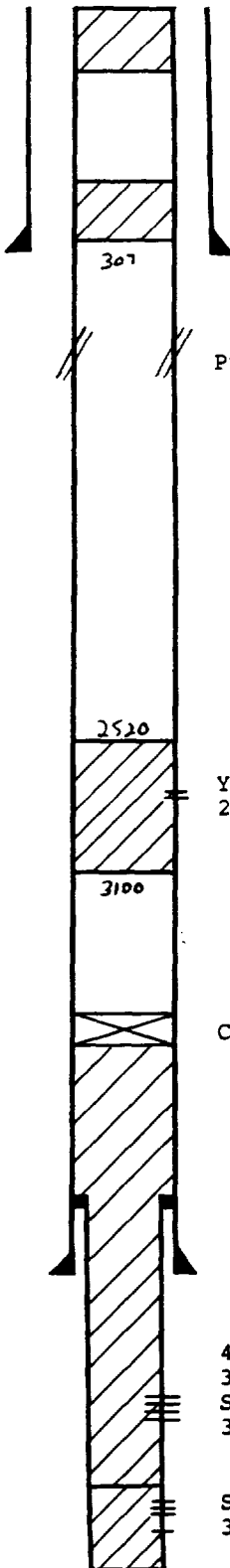
PED _____
 TD 3878

WELL DATA SHEET

LEASE Sun State "A" AC 2 WELL NO. 18 FIELD P&A DATE 11/22/88
 LOCATION 1650 FEET FROM N LINE AND 1650 FEET FROM E LINE
 SECTION 11 TOWNSHIP 22-S RANGE 36-E COUNTY Lea STATE NM

Date Completed 8/2/39
 Initial Formation Grayburg
 FROM: 3660 TO: 3770
 Initial Production 1560 BOPD 0 BWPD
nm MCFPD nm GCR

Completion Data:
OH Completion



DF: 3533
 KDB to GE _____
 DF to GE _____

10 " OD 40 lbs.
 Surf. Pipe set @
306 w/ 175 sx
 cmt. Circ? N/A
 To e Surface by calc

Pulled 2525' 7" csg.

Yates Perfs
2810'-3070'

Cmt. rtn. @ 3557'

7 " OD
 Gr _____
 # Csg set @
3660 ' w/ 400 sx
 Cmt. Circ? no
 TOC @ 384 by DB
calc

4 5/16" liner
3582'-3902'
 Squeezed Grayburg Perfs
3675'-3780'

Squeezed Grayburg Perfs
3790'-3887'

PBD 3800 '
 TD 3902 '

Subsequent Workover or Reconditioning:

7/16/51 - Deepened to 3902. Ran 4-
5/16" liner 3582 - 3902 w/
70 sxs. Perf 3877 - 87.
 Squeezed w/15 sxs. Perf
3866 - 76. Perf 3843 - 63.
 Squeezed 3843 - 76' w/100
 sxs. Perf 3790 - 3800 &
3812 - 37', squeezed w/100
 sxs. Drilled out to 3876'.
 Perf 3812 - 38'. PE to
3800'. Perf 3675 - 3780'.

6/6/53 - Set rtn @ 3557. Squeezed
3675 - 3780 w/88 sxs. TOC
3535'. Perf Yates 2810 -
3070'. Shot w/650 qts
 nitro.

9/17/53 P&A 40 sxs plug 2520 - 3100
16 sxs @ 307' and 10 sxs at
 surface.

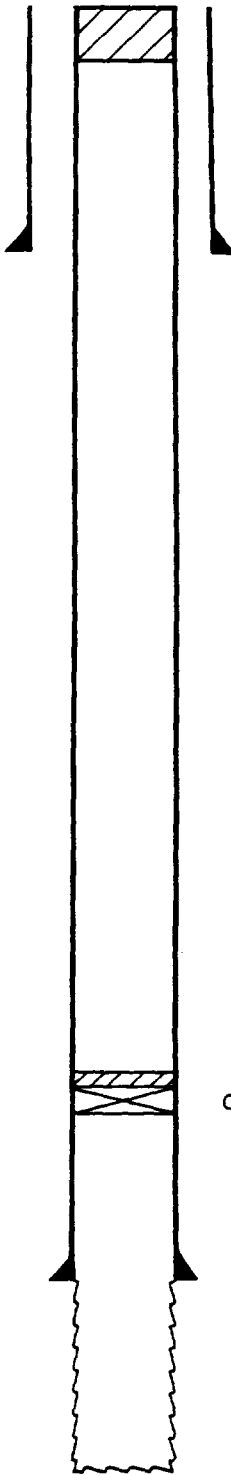
Present Prod. _____ BOPD _____ BWPD
 _____ MCFPD _____ GCR
 _____ Date

Remarks or Additional Data:

10" assumed 15 1/2" hole
7" assumed - 8 1/8" hole

WELL DATA SHEET

LEASE Chevron H.T. Mattern (NCT-E) WELL NO. 5 FIELD P&A DATE 11/23/88
 LOCATION 2310 FEET FROM N LINE AND 330 FEET FROM W LINE
 SECTION 12 TOWNSHIP 22-S RANGE 36-E COUNTY Lea STATE NM



GE: 3501 '
 KDB to GE 6.5 '
 DF to GE 5 '

32.75 &
10 3/4" OD 51 lbs.
 Surf. Pipe set @
309 w/ 275 sx
 cmt. Circ? Yes

CIBP @ 3642'

5 1/2 " OD
 Gr C-45
14 # Csg set @
3690 ' w/ 400 sx
 Cmt. Circ? No
 TOC @ 2475 by TS

Date Completed 5/27/39
 Initial Formation Grayburg
 FROM: 3690 TO: 3785
 Initial Production 887 BOPD 0 BWPD
961 MCFPD 1083 GOR

Completion Data:
OH Completion.

Subsequent Workover or Reconditioning:
6/27/50 - Installed gas lift.

12/10/52 - Installed rod pump.

4/26/63 - Closed-in.

12/8/65 - Set CIBP @ 3642' w/50 cmt
on top. Spot 10 sx (80')
plug surface to 80'.

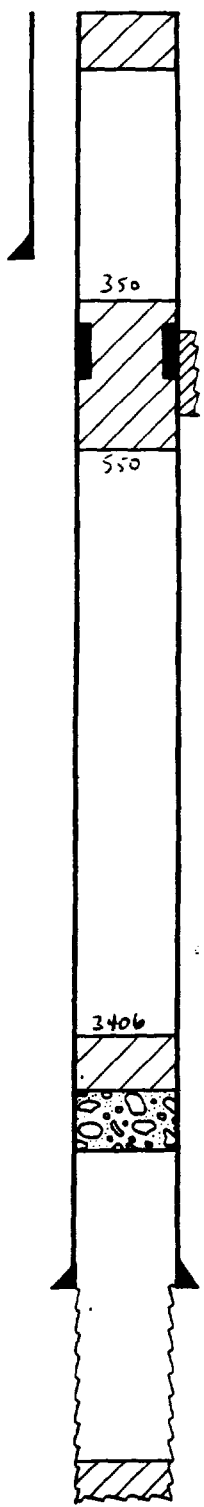
Present Prod. _____ BOPD _____ BWPD
 _____ MCFPD _____ GOR
 _____ Date _____

Remarks or Additional Data:
5 1/2" casing in 7 7/8" hole
4 3/4" open-hole

PBD _____ '
 TD 3785 '

WELL DATA SHEET

LEASE Chevron H.T. Mattern (NCT-E) WELL NO. 8 FIELD P&A DATE 11/23/88
 LOCATION 2310 FEET FROM N LINE AND 990 FEET FROM E LINE
 SECTION 12 TOWNSHIP 22-S RANGE 36-E COUNTY Lea STATE NM



GE: 3452 '
 KDB to GE 9 '
 DF to GE _____'

10 3/4" OD 51 lbs.
 Surf. Pipe set @
293 w/ 275 sx
 cmt. Circ? Yes

Cmt. casing leak
 445'-459' w/ 225 sxs.
 Cmt circ. Set Halli
 liner 440'-450'

5 1/2" OD
 Gr H
14 # Csg set @
3654 ' w/ 400 sx
 Cmt. Circ? No
 TOC @ 2355 by TS

Date Completed 9/6/39
 Initial Formation Grayburg
 FROM: 3660 TO: 3750
 Initial Production 362 BOPD 0 BWPD
248 MCFPD 685 GOR

Completion Data:
 OH Completior.

Subsequent Workover or Reconditioning:
6/16/51 - Acidized w/2000 gals.

9/26/56 - PB to 3736' w/16 gals
 hydromite. Fraced w/5000
 gal oil w/1# spg. In-
 stalled rod pump.

12/11/63 - Found casing leak 445 -
 459'. Set BP @ 3565' w/
 2 sxs cmt on top (TOC
 3550'). Set cmt rtn @
 402'. Pumped 225 sx thru
 rtn. Cmt circ. Drilled
 out cmt and rtn. Unsuc-
 cessful repair. Ran Halli
 liner 440 - 450'. Pumped
 0 BO & 149 BW. Shut-in.

12/10/65 P&A. Could not get BP
 through liner. Found fill
 @ 3523'. Plugback to 3486
 w/gravel. Spot 80' cmt
 plug (10 sxs) 3486-3406'.
 Spot 200' (25 sxs) plug
 350-550'. Spct 80' plug
 at surface.

Present Prod. _____ BOPD _____ BWPD
 _____ MCFPD _____ GOR
 _____ Date

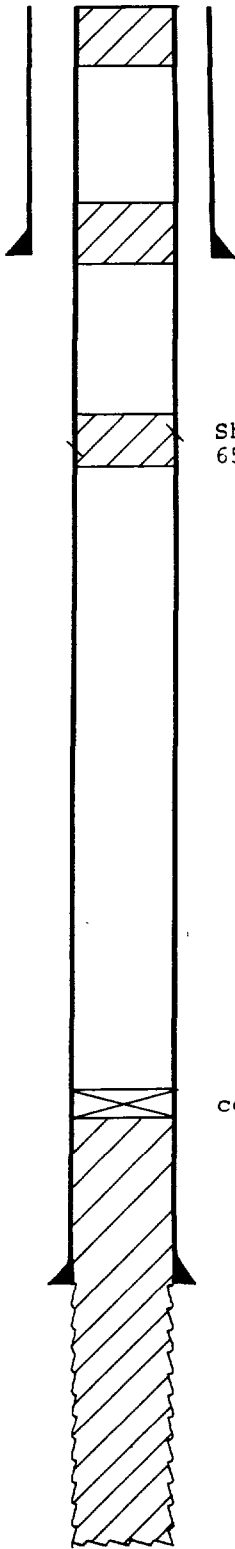
Remarks or Additional Data:
5 1/2" casing in 7 7/8" hole
4 3/4" open-hole

PBD _____'

TD 3750 _____'

WELL DATA SHEET

LEASE Arco State 157-D WELL NO. 3 FIELD P&A DATE 11/28/88
 LOCATION 2310 FEET FROM S LINE AND 2310 FEET FROM E LINE
 SECTION 12 TOWNSHIP 22-S RANGE 36-E COUNTY Lea STATE NM



GE: 3474 '
 KDB to GE _____ '
 DF to GE _____ '

10 3/4" OD 40 lbs.
 Surf. Pipe set @
332 w/ 250 sx
 cmt. Circ? Yes

Shot and pulled
 650' casing

cement rtn. @ 3556'

7 " OD
 Gr _____
24 # Csg set @
3650 ' w/ 250 sx
 Cmt. Circ? _____
 TOC @ 1992 by PS
Calc

Date Completed 7/39
 Initial Formation Grayburg
 FROM: 3650 TO: 3745
 Initial Production 660 BOPD 0 BWPD
nm MCFPD nm GOR

Completion Data:
OH Completion

Subsequent Workover or Reconditioning:
1/75 - Plugged back to 3687 w/gravel
 and hydromite. Fraced w/3000
 gals GBW & 15,000 #'s sand.
 Produced 100% water.

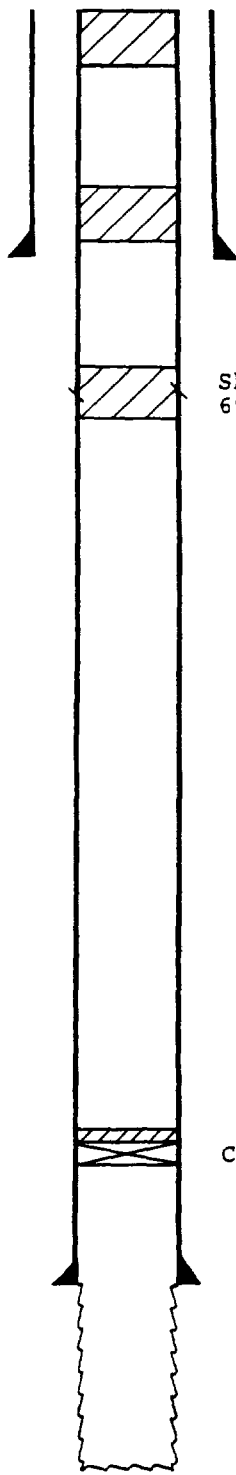
11/75 - P&A. Squeezed open hole be-
 low cement retainer @ 3556'.
 Shot and pulled 650' casing.
 Cement plugs @ 650', 332'
 and surface.

Present Prod. _____ BOPD _____ BWPD
 _____ MCFPD _____ GOR
 _____ Date _____

Remarks or Additional Data:
7" casing in 8 5/8" hole

WELL DATA SHEET

LEASE Arco State 157-D WELL NO. 2 FIELD P&A DATE 11/28/88
LOCATION 2310 FEET FROM S LINE AND 1650 FEET FROM W LINE
SECTION 12 TOWNSHIP 22-S RANGE 36-E COUNTY Lea STATE NM



GE: 3480 '
KDB to GE _____ '
DF to GE 8 _____ '

10 3/4" OD 45 lbs.
Surf. Pipe set @
311 w/ 250 sx
cmt. Circ? N/A
TOC @ surf by Calc

Shot and pulled
690' casing

CIBP @ 3614'

7 " OD
Gr _____
24 # Csg set @
3656 ' w/ 250 sx
Cmt. Circ? _____
TOC @ 1988 by PS
Calc

Date Completed 5/39
Initial Formation Grayburg
FROM: 3656 TO: 3759
Initial Production 288 BOPD 0 BOPD
nm MCFPD nm GOR
Completion Data:
OH Completion

Subsequent Workover or Reconditioning:
12/22/69 - Set CIBP @ 3614 w/2 sxs
cmt on top. (TOC @ 3594')
11/27/75 - Shot & pulled 690' casing
Spot 100' cmt plug @ 690'
Spot 100' cmt plug @ 311'
Spot 10 sx plug @ surf.

Present Prod. _____ BOPD _____ BOPD
MCFPD _____ GOR
Date _____

Remarks or Additional Data:
7" casing in 8 5/8" hole
10 3/4 in 12 3/4" hole

PBD _____ '
TD 3759 _____ '

WELL DATA SHEET

208

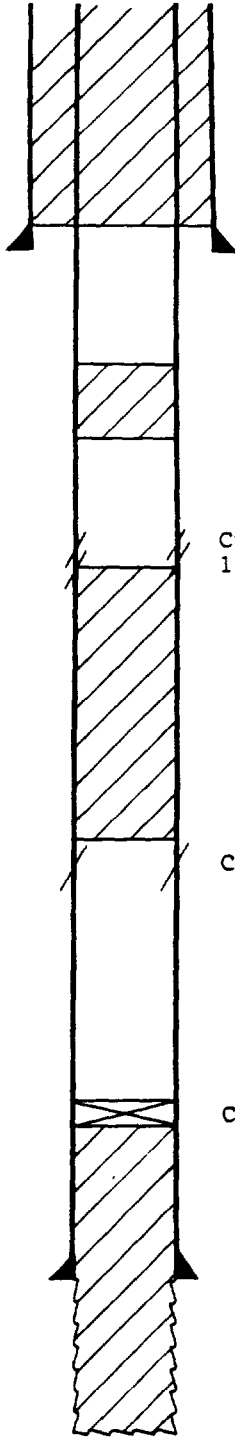
LEASE Arco State 157-D WELL NO. 8 FIELD P&A DATE 11/28/88
LOCATION 330 FEET FROM S LINE AND 990 FEET FROM W LINE
SECTION 12 TOWNSHIP 22-S RANGE 36-E COUNTY Lea STATE NM

GE: 3498
KDB to GE _____
DF to GE 8

Date Completed 12/39
Initial Formation Grayburg
FROM: 3674 TO: 3777
Initial Production 680 BOPD 0 BOPD
nm MCFPD nm GOR

Completion Data:
OH Completion

8 5/8 " OD 32 lbs.
Surf. Pipe set @
288 w/ 150 sx
cmt. Circ? N/A
TOC @ Surf. by calc.



Cut and pulled
1676' casing

Cut casing @ 2290'

Cement rtn. @ 3578'

5 1/2 " OD
Gr _____
17 # Csg set @
3674 ' w/ 150 sx
Cmt. Circ? NO
TOC @ 2874 by TS
Calc

Subsequent Workover or Reconditioning:
8/76 - P&A'd. Set cmt rtn @ 3578' &
squeeze w/65 sxs. Pulled 1676
feet casing. Cement plugs @
1676 - 2100', 1018 - 1442',
0 - 280'.

Present Prod. _____ BOPD _____ BOPD
_____ MCFPD _____ GOR
Date _____

Remarks or Additional Data:
5 1/2" casing in 7 7/8" hole
8 5/8" is 12 1/2" hole

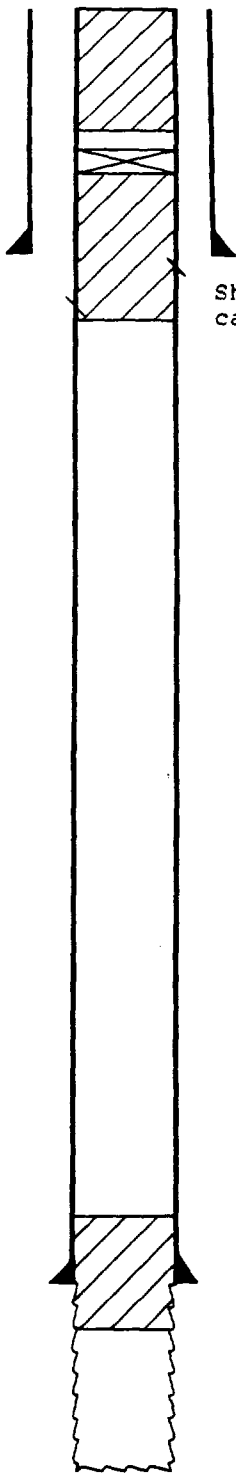
PBD _____
TD 3777

WELL DATA SHEET

LEASE Arco State 157-D WELL NO. 6 FIELD P&A DATE 11/28/88

LOCATION 330 FEET FROM S LINE AND 1650 FEET FROM E LINE

SECTION 12 TOWNSHIP 22-S RANGE 36-E COUNTY Lea STATE NM



DF: 3475 '
KDB to GE _____ '
DF to GE _____ '

Date Completed 11/39
Initial Formation Grayburg
FROM: 3602 TO: 3741
Initial Production 217 BOPD 0 BWPD
 nm MCFPD nm GOR

Completion Data:
OH Completion

8 5/8 " OD _____ lbs.
Surf. Pipe set @
253 w/ 135 sx
cmt. Circ? N/A
To c @ surf by calc.
Shot and pulled 312'
casing

Subsequent Workover or Reconditioning:
11/75 - P&A'd. Cement plugs @ 3250 - 3650', 0 - 312'.

1/76 - D/O cmt plug to 293'. Set cmt rtn @ 150'. Squeezed w/75 sxs Spot plug 0 - 130'.

Present Prod. _____ BOPD _____ BWPD
 _____ MCFPD _____ GOR
 Date

5 1/2 " OD
Gr _____
17 # Csg set @
3602 ' w/ 150 sx
Cmt. Circ? No
TOC @ 2246 by TS
 Calc

Remarks or Additional Data:
5 1/2" casing in 7" hole
8 1/8" i. 10 1/4" hole

PBD _____ '
TD 3741 _____ '

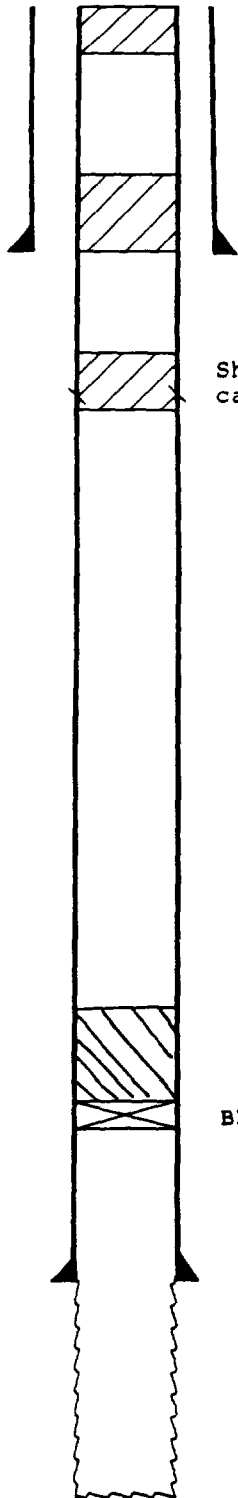
WELL DATA SHEET

211

LEASE Arco State 157-D WELL NO. 5 FIELD P&A DATE 11/28/88

LOCATION 330 FEET FROM S LINE AND 330 FEET FROM E LINE

SECTION 12 TOWNSHIP 22-S RANGE 36-E COUNTY Lea STATE NM



DF: 3442 '
KDB to GE _____ '
DF to GE _____ '

Date Completed 10/39
Initial Formation Grayburg
FROM: 3569 TO: 3726
Initial Production 1044 BOPD 0 BWPD
nm MCFPD nm GOR

Completion Data:
OH Completion

9 5/8 " OD 40 lbs.
Surf. Pipe set @
322 w/ 100 sx
cmt. Circ? N/A
TOC @ surf by Calc.

Shot and pulled 735'
casing

Subsequent Workover or Reconditioning:
11/75 - P&A'd. Set BP @ 3500 w/cmt
plug 3343 - 3500'. Shot and
pulled 735' casing. Cement
plugs @ 735', 322', and
surface.

BP @ 3500'

7 " OD
Gr _____
24 # Csg set @
3569 ' w/ 250 sx
Cmt. Circ? _____
TOC @ 1900 by PS
Calc

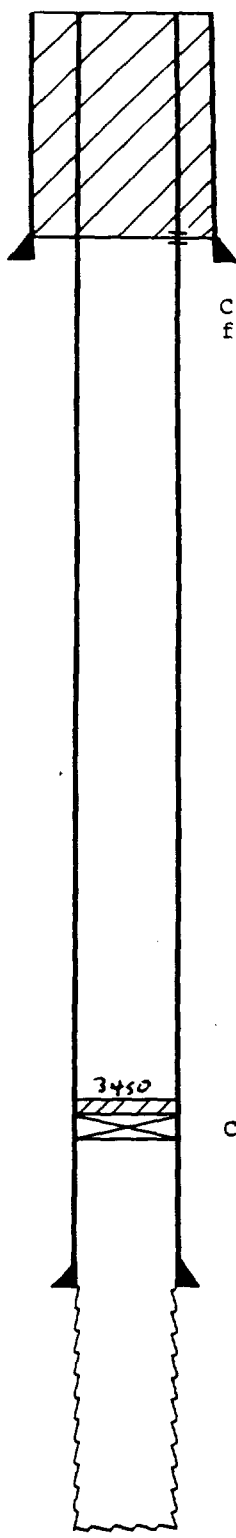
Present Prod. _____ BOPD _____ BWPD
_____ MCFPD _____ GOR
Date _____

Remarks or Additional Data:
7" casing in 8 5/8" hole
9 5/8" in 11 3/4" hole

PBD _____ '
TD 3726 '

WELL DATA SHEET

LEASE Marathon McDonald A/C 2 WELL NO. 16 FIELD P&A DATE 11/28/88
LOCATION 1650 FEET FROM N LINE AND 2310 FEET FROM W LINE
SECTION 13 TOWNSHIP 22-S RANGE 36-E COUNTY Lea STATE NM



GE: 3485 '
KDB to GE 10 '
DF to GE _____'

7 " OD 24 lbs.
Surf. Pipe set @
312 w/ 100 sx
cmt. Circ? N/A
TOC e Surf by calc

Circulate cement
from perf at 300'

Date Completed 3/40
Initial Formation Grayburg
FROM: 3665 TO: 3790
Initial Production 360 BOPD 0 BOPD
200 MCFPD 555 GOR

Completion Data:
Openhole completion.

Subsequent Workover or Reconditioning:
6/26/46 - Acidized w/1000 gals.

3/61 - P&A. Set CIBP @ 3600'. Spot
cement plug @ 3450 - 3600'.
Perf 4 1/2" casing @ 300 &
circ cmt to surface between
4 1/2 & 7" casing. Left 300'
plug from surface.

CIBP @ 3600'

4 1/2 " OD
Gr _____
9.5 # Csg set @
3622 ' w/ 150 sx
Cmt. Circ? No
TOC @ 2150 by TS
Calc

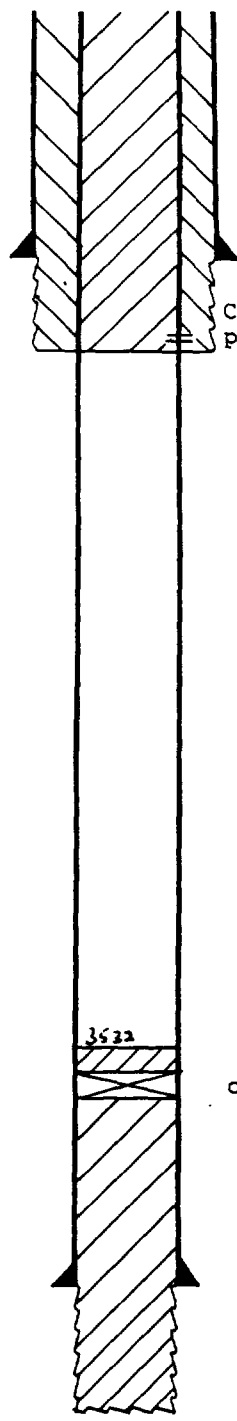
Present Prod. _____ BOPD _____ BOPD
_____ MCFPD _____ GOR
_____ Date _____

Remarks or Additional Data:
4 1/2" casing in 6 1/4" hole.
7" in 8 3/4" hole

PBD _____ '
TD 3790 '

WELL DATA SHEET

LEASE Marathon McDonald A/C 2 WELL NO. 18 FIELD P&A DATE 11/28/88
LOCATION 1650 FEET FROM N LINE AND 1650 FEET FROM E LINE
SECTION 13 TOWNSHIP 22-S RANGE 36-E COUNTY Lea STATE NM



GE: 3470 '
KDB to GE 10 '
DF to GE _____ '

8 5/8" OD 32 lbs.
Surf. Pipe set @
316 w/ 150 sx
cmt. Circ? N/A
TOC e Surf by Calc
Circulate cement from
perf at 350'

cement rtn. @ 3592'

4 1/2" OD
Gr
9.5 # Csg set @
3642 ' w/ 300 sx
Cmt. Circ? No
TOC @ 1634 by TS
Calc

Date Completed 5/40
Initial Formation Grayburg
FROM: 3642 TO: 3775
Initial Production 192 BOPD 0 BWPD
238 MCFPD 1240 GOR

Completion Data:
Openhole completion.

Subsequent Workover or Reconditioning:
5/60 - P&A. Set cement rtn @ 3592'.
Squeeze OH from 3642 - 3775'.
Left 60' cmt on rtn. Perf
4 1/2" casing at 350'. Circ
cmt to surface and left 350'
cmt in 4 1/2" casing.

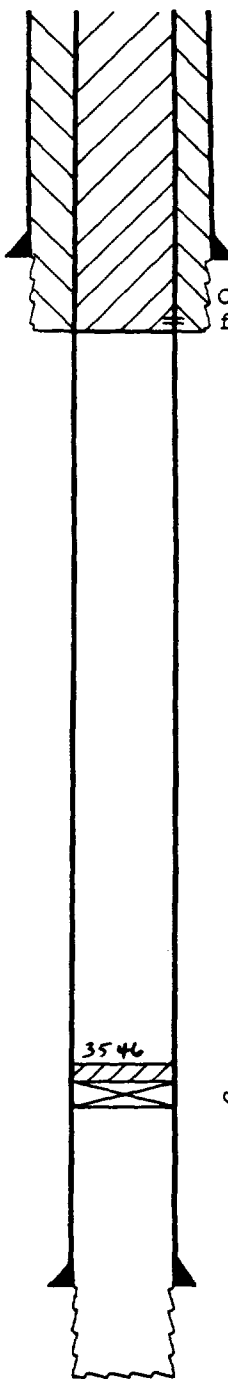
Present Prod. _____ BOPD _____ BWPD
_____ MCFPD _____ GOR
_____ Date

Remarks or Additional Data:
4 1/2" casing in 6 3/4" hole.
8 5/8" : 11" hole

PBD _____ '
TD 3775 '

WELL DATA SHEET

LEASE Marathon McDonald A/C 2 WELL NO. 19 FIELD P&A DATE 11/28/88
LOCATION 2310 FEET FROM S LINE AND 330 FEET FROM E LINE
SECTION 13 TOWNSHIP 22-S RANGE 36-E COUNTY Lea STATE NM



GE: 3445 '
KDB to GE 12 '
DF to GE _____'

8 5/8" OD 32 lbs.
Surf. Pipe set @
313 w/ 150 sx
cmt. Circ? N/A
TOC @ surf by calc
Circulate cement
from perf @ 350'

Date Completed 6/40
Initial Formation Grayburg
FROM: 3720 TO: 3757
Initial Production 336 BOPD 0 BWPD
134 MCFPD 399 GOR

Completion Data:
Openhole completion.

Subsequent Workover or Reconditioning:
6/60 - P&A. Set cement rtn @ 3666'.
Spot 120' cmt 3546 - 3666'.
Perf 4 1/2" casing @ 350',
circulate cmt and leave 350'
cmt in 4 1/2".

3546
cement rtn. @ 3666'

4 1/2" OD
Gr
9.5 # Csg set @
3720 ' w/ 300 sx
Cmt. Circ? NO
TOC @ 1952 by PS
Calc

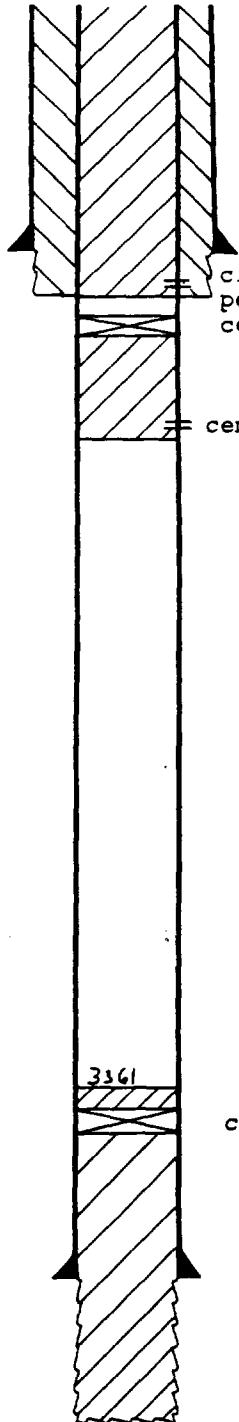
Present Prod. _____ BOPD _____ BWPD
_____ MCFPD _____ GOR
_____ Date

Remarks or Additional Data:
4 1/2" casing in 7" hole.
8 1/2" in 11" hole

PBD _____ '
TD 3757 '

WELL DATA SHEET

LEASE Marathon McDonald A/C 2 WELL NO. 24 FIELD P&A DATE 11/29/88
LOCATION 2310 FEET FROM S LINE AND 2310 FEET FROM W LINE
SECTION 13 TOWNSHIP 22-S RANGE 36-E COUNTY Lea STATE NM



GE: 3475 '
KDB to GE 12 '
DF to GE _____'

8 5/8" OD 29 lbs.
Surf. Pipe set @
325 w/ 150 sx
cmt. Circ? Yes
circulate cement from
perf @ 570'
cement rtn. @ 680'

cement perms @ 1050'

3361
cement rtn @ 3421'

4 1/2" OD
Gr
9.5 # Csg set @
3553 ' w/ 250 sx
Cmt. Circ? _____
TOC @ 2539 by DB
Calc

Date Completed 8/41
Initial Formation Grayburg
FROM: 3553 TO: 3762
Initial Production 1604 BOPD 0 BWPD
781 MCFPD 487 GOR

Completion Data:
OH Completion. Acidized w/1000 gals.

Subsequent Workover or Reconditioning:
12/57 - P&A. Set cement rtn @ 3421'.
Squeezed openhole and spct
60' cmt on top of rtn. Perf
4 1/2" csg @ 1050'. Set cmt
rtn @ 680 and squeeze w/200
sxs. Spct 60' cmt on top of
rtn. Perf 4 1/2" csg @ 570'
and circulate cmt to sur-
face. Left 570' cmt in csg.

Present Prod. _____ BOPD _____ BWPD
_____ MCFPD _____ GOR
_____ Date

Remarks or Additional Data:
4 1/2" casing in 7 7/8" hole.
8 5/8" in 11" hole

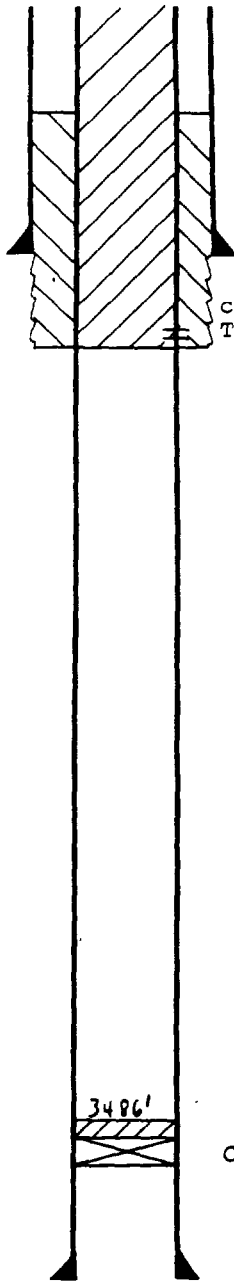
PBD _____'

TD 3762 '

WELL DATA SHEET

238

LEASE Marathon McDonald A/C 2 WELL NO. 23 FIELD P&A DATE 11/29/88
LOCATION 990 FEET FROM S LINE AND 1650 FEET FROM E LINE
SECTION 13 TOWNSHIP 22-S RANGE 36-E COUNTY Lea STATE NM



GE: 3462 '
KDB to GE 8 '
DF to GE _____'

8 5/8" OD 29 lbs.
Surf. Pipe set @
330 w/ 160 sx
cmt. Circ? N/A
TOC @ Surf. by Calc
cement perf @ 1000'
TOC @ 235'

Date Completed 7/41
Initial Formation Grayburg
FROM: 3552 TO: 3745
Initial Production 452 BOPD 0 BWPD
150 MCFPD 332 GOR

Completion Data:
Acidized w/1000 gals.

Subsequent Workover or Reconditioning:
7/55 - P&A. Set CIBP @ 3500' w/1 sx
cmt on top. Perf 4 1/2" csg @
1000'. Pump cmt between 4 1/2
& 8 5/8. TOC @ 235'. Spot cmt
plug 0 - 973'.

CIBP @ 3500'

4 1/2" OD
Gr _____
9.5 # Csg set @
3552' w/ 150 sx
Cmt. Circ? No
TOC @ 2080 by DS
Calc

Present Prod. _____ BOPD _____ BWPD
_____ MCFPD _____ GOR
_____ Date _____

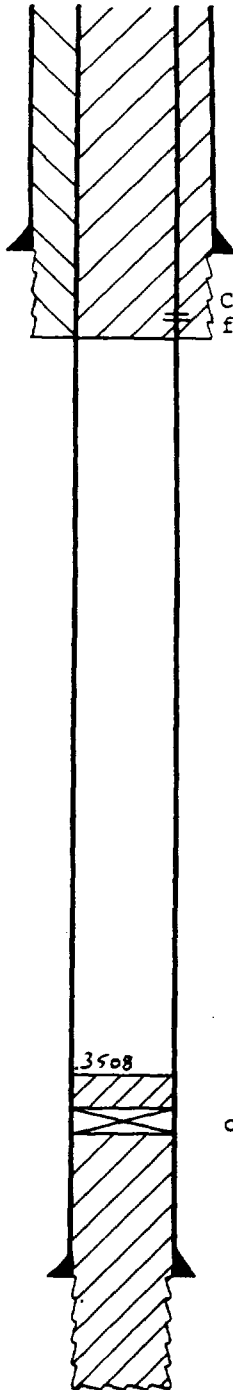
Remarks or Additional Data:
4 1/2" casing in 6 1/4" hole.
5 5/8" in 11" hole

PBD _____ '
TD 3745 '

WELL DATA SHEET

237

LEASE Marathon McDonald A/C 2 WELL NO. 20 FIELD P&A DATE 11/28/88
LOCATION 990 FEET FROM S LINE AND 330 FEET FROM E LINE
SECTION 13 TOWNSHIP 22-S RANGE 36-E COUNTY Lea STATE NM



GE: 3448 '
KDB to GE 10 '
DF to GE _____ '

8 5/8" OD 29.3 lbs.
Surf. Pipe set @
342 w/ 125 sx
cmt. Circ? N/A
TOC @ surf by Calc

Circulate cement
from perf at 370'

Date Completed 11/40
Initial Formation Grayburg
FROM: 3682 TO: 3750
Initial Production 360 BOPD 0 BWPD
500 MCFPD 1389 GOR

Completion Data:
Openhole completion.

Subsequent Workover or Reconditioning:

6/60 - P&A. Set cement rtn @ 3628'.
Squeezed openhole 3682 -
3750'. Left 120' cmt on top
of rtn. Perf 4 1/2" casing at
370' and circulate cement be-
tween 4 1/2" and 8 5/8"
casings. Left 350' cmt in
4 1/2".

3508

cement rtn. @ 3628'

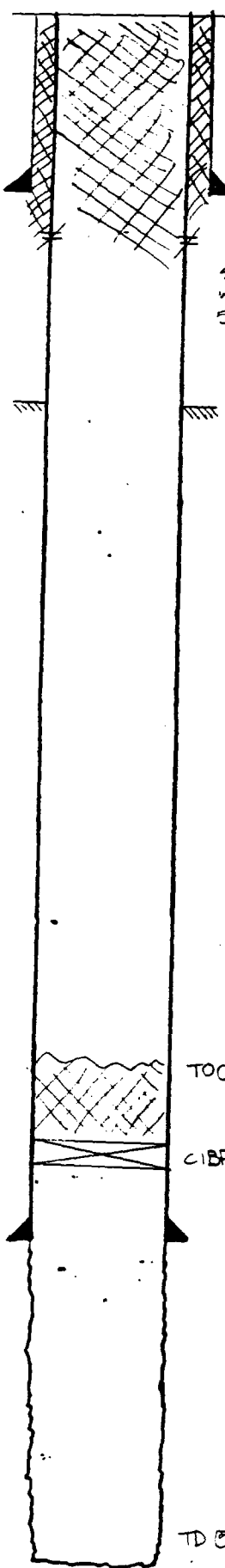
4 1/2" OD
Gr _____
9.5 # Csg set @
3682' w/ 150 sx
Cmt. Circ? _____
TOC @ 2798 by DB
Calc

Present Prod. _____ BOPD _____ BWPD
_____ MCFPD _____ GOR
_____ Date _____

Remarks or Additional Data:
4 1/2" casing in 7 hole.
8 5/8" in 11" hole

PBD _____ '
TD 3750 '

MARATHON
 LEASE & WELL NO. MCDONALD STATE #15 FIELD/POOL P&A DATE _____
 LOCATION 330 FEET FROM NORTH LINE AND 330 FEET FROM EAST LINE
 SECTION 14-T22S-R36E, UNIT LETTER A COUNTY LEA STATE NM



GE 3518
 KDB to GE _____
 DF to GE _____

9 5/8" OD Surface Pipe
 set @ 338' w/ 175' ex
 Cnt. Circulated? *
 @ SURF BY CALC

SOE HOLES @ 348'
 w/ 140 SX TO SURF IN
 5 1/2" & 5 1/2" x 9 5/8" CSGS

TOC @ 969' BY CALC

TOC PLUG @ 3425

CIBP @ 3585

5 1/2" OD 14 # _____ Thd
 Gr. _____ Csg.
 set @ 3057' w/ 600' ex
 Cnt Circulated? *
 TOC @ 969' by 49
 CALC

TD @ 3805'

Date Completed _____
 Initial Formation _____
 From: _____ to _____ GOR _____
 Initial: Production _____ bopd _____ bwpd
 Or: Injection _____ bupd @ _____ psi

Completion Date:
FEBRUARY 1940 SHOT ON 3657-3805 w/ A
 TOTAL OF 580 QTS NITRO & ACID Z w/ 3000
 GALS.

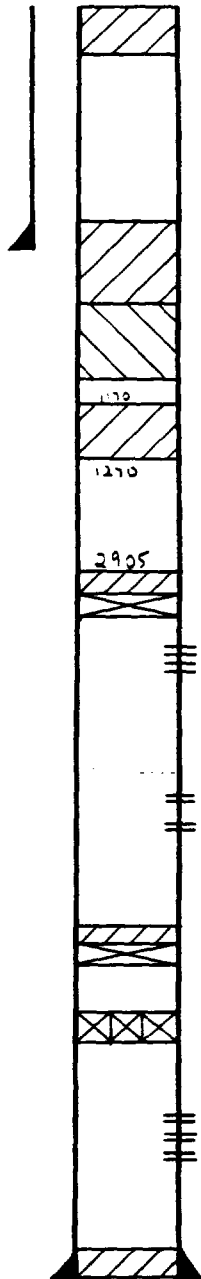
Subsequent Workover or Reconditioning:
(MAY 1961) P&A'D.

Present Inj. _____ bupd @ _____ psi Date _____
 Present Prod. _____ bopd _____ bwpd Date _____
 GAS _____ MCFPD _____

Remarks Or Additional Data:
TOP OF CEMENT CALCULATIONS ARE BASED
ON A CEMENT YIELD OF 1.32 CUFT/SX AND
ASSUME 30% LOSSES.

WELL DATA SHEET

LEASE Chevron H.T. Mattern (NCT-D) WELL NO. 7 FIELD P&A DATE 11/23/88
 LOCATION 660 FEET FROM N LINE AND 660 FEET FROM W LINE
 SECTION 6 TOWNSHIP 22-S RANGE 37-E COUNTY Lea STATE NM



GE: 3466 '
 KDB to GE 12.5 '
 DF to GE _____'

8 5/8" OD 24 lbs.
 Surf. Pipe set @
205 w/ 215 sx
 cmt. Circ? Yes

Hole in casing

CIBP @ 2940'

Eumont Perfs
2980'-3374'

Squeezed Eumont Perfs
3428'-3525'

CIBP @ 3554'

Packer & plug @ 3680'

Grayburg Perfs
3712'-3786'

5 1/2" OD
 Gr J-55
14 # Csg set @
3790 ' w/ 1315 sx
 Cmt. Circ? No
 TOC @ 170 by TS

Date Completed 7/13/56
 Initial Formation Grayburg/Eumont
 FROM: 3712/3428 TO: 3786/3525
 Initial Production 8/0 BOPD 2/0 BWPD
86/6000 MCFPD 10750/NA GO!

Completion Data:
 Perf 3712 - 3726' and 3758 - 3786'.
 Washed perfs w/500 gals 15% acid.
 Acidized w/7500 gals 15% acid.
 Fraced perfs 3758 - 86 w/5000 gals
 gelled oil w/1 # spg. Fraced perfs
3712 - 3726 w/5000 gals gelled oil
 w/1 # spg. Set pkr @ 3680'. Perf
Eumont 3480 - 3525' & 3428 - 65'.
 Spotted 500 gals across perfs.
 Fraced w/10,000 gals oil w/1 # spg.
 Dual completion.

Subsequent Workover or Reconditioning:
11/28/73 - Set seal in pkr at 3680'
 to TA Grayburg and pro-
 duce Eumont through tbq.

12/14/73 - Installed pumping unit
 for Eumont.

10/26/81 - Set CIBP @ 3554 w/35' cmt
 on top.

1/29/82 - Set cmt rtn @ 3400' and
 squeezed Eumont perfs
3428 - 3525' w/55 sxs.
 Perf Eumont 2980 - 3374.
 Acidized and fraced. SI.
 (Possible hole in casing.)

4/16/82 - P&A. Set CIBP @ 2940 w/35'
 cmt on top. Spot cmt plug
1170 - 1270'. Circ cmt
 from 950' - 300'. Found
 cmt @ 450'. Test to 500
 psi. Spot cmt 300'-450'.
 Spot cmt surface to 35'.

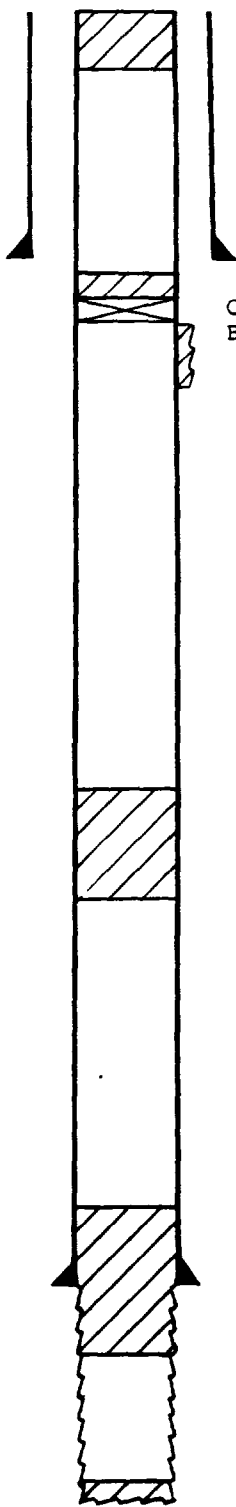
Present Prod. _____ BOPD _____ BWPD
 _____ MCFPD _____ COR
 _____ Date _____

Remarks or Additional Data:
5 1/2" casing in 7 7/8" hole

PBD _____ '
 TD 3790 '

WELL DATA SHEET

LEASE Chevron H.T. Mattern "D" WELL NO. 1 FIELD P&A DATE 11/23/88
LOCATION 1980 FEET FROM S LINE AND 1980 FEET FROM W LINE
SECTION 6 TOWNSHIP 22-S RANGE 37-E COUNTY Lea STATE NM



DF: 3462 '
KDB to GE _____ '
DF to GE _____ '

13 " OD 40 lbs.
Surf. Pipe set @
290 w/ 280 sx
cmt. Circ? yes

Cmt rtn. @ 658'
Bad casing at 689'

Date Completed 4/18/38
Initial Formation Grayburg
FROM: 3420 TO: 3775
Initial Production 39 BOPD 2 BWPD
125 MCFPD 3205 GOR

Completion Data:
Acidized w/7000 gals. Plugged back
to 3775'. Shot w/ 450 gals. SNG.

Subsequent Workover or Reconditioning:
8/6/38 - Acidized w/5000 gals 15%
acid.

11/18/65 - Closed-in.

7/17/84 - Tag fill @ 3446'. Bad spot
in casing at 1150'.

1/24/85 - P&A. 40 sx plug @ 3093 -
3446'. 13 sx plug 2550 -
2650'. Found bad csg at
689'. Set rtn @ 658',
squeezed 500 sxs. Did not
circulate. Left 5 sxs on
top of rtn. TOC @ 75' by
ts. Top cement surface to
70'.

Present Prod. _____ BOPD _____ BWPD
_____ MCFPD _____ GOR
_____ Date _____

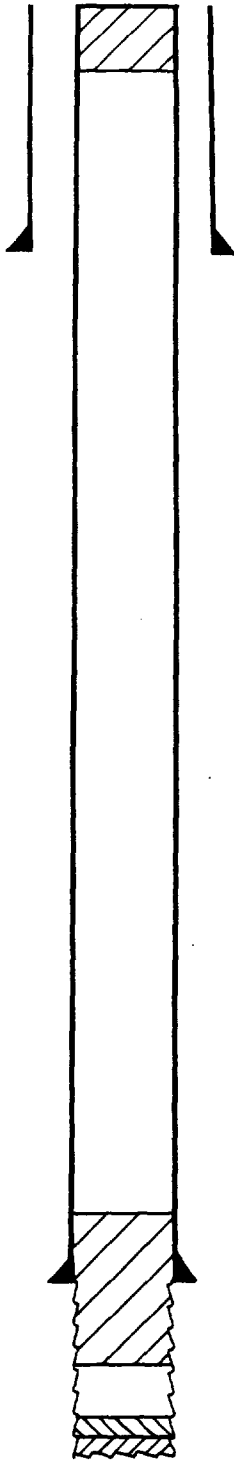
6 " OD
Gr D
16 # Csg set @
3420 ' w/ 200 sx
Cmt. Circ? _____
TOC @ 2480 by TS

Remarks or Additional Data:
6" in 9 7/8" hole
5 3/8" OH

PBD 3775 '
TD 3795 '

WELL DATA SHEET

LEASE Chevron H.T. Mattern (NCT-D) WELL NO. 5 FIELD P&A DATE 12/1/88
 LOCATION 660 FEET FROM N LINE AND 1980 FEET FROM W LINE
 SECTION 7 TOWNSHIP 22-S RANGE 37-E COUNTY Lea STATE NM



GE: 3439 '
 KDB to GE 10 '
 DF to GE _____'

9 5/8" OD 25.7 lbs.
 Surf. Pipe set @
293 w/ 180 sx
 cmt. Circ? No
TOC surface by calc

5 1/2" OD
 Gr H
14 # Csg set @
3627 ' w/ 350 sx
 Cmt. Circ? _____
 TOC @ 1760 by TS
calc

Date Completed 5/29/44
 Initial Formation Grayburg
 FROM: 3627 TO: 3735
 Initial Production 277 BOPD 0 BWPD
400 MCFPD 1444 GOR

Completion Data:
PB from 3745 to 3735' w/8 sxs cmt.
Acidized w/1000 gals.

Subsequent Workover or Reconditioning:
3/13/45 - Ran & set formation packer
at 3680'.

7/26/46 - Acidized w/3000 gals.

10/2/50 - Removed formation packer

6/22/56 - PB to 3723 w/hydromite.
Fraced w/12,000 gals oil
w/1# spg. Installed rod
pump.

5/24/60 - TA'd.

9/21/61 - Spot 30 sx cmt from 3723 -
3483'. Spot 6 sx cmt from
surface to 50'. P&A'd.

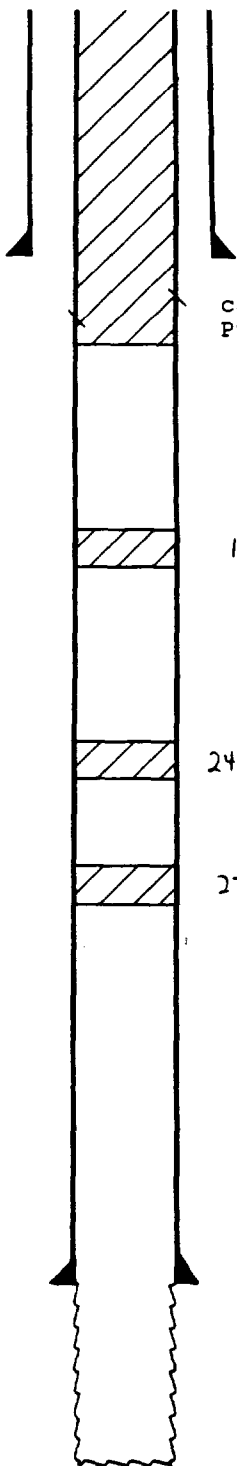
Present Prod. _____ BOPD _____ BWPD
 _____ MCFPD _____ GOR
 _____ Date _____

Remarks or Additional Data:
5 1/2" casing in 7 7/8" hole.
4 3/4" openhole.
9 5/8" ... 12 1/4" hole

PBD 3723 '
 TD 3745 '

WELL DATA SHEET

LEASE Chevron H.T. Mattern (NCT-D) WELL NO. 3 FIELD P&A _____ DATE 12/1/88
 LOCATION 2310 FEET FROM N LINE AND 1650 FEET FROM W LINE
 SECTION 7 TOWNSHIP 22-S RANGE 37-E COUNTY Lea STATE NM



GE: 3441 '
 KDB to GE 8 '
 DF to GE 7 '

9 5/8" OD 25.7 lbs.
 Surf. Pipe set @
289 w/ 200 sx
 cmt. Circ? Yes

casing parted at 390'
 Pulled & recovered 397'

1127-1257'

2400-2500'

2724-2896'

5 1/2" OD
 Gr H
14 # Csg set @
3641 ' w/ 350 sx
 Cmt. Circ? No
 TOC @ 2435 by TS

Date Completed 3/29/40
 Initial Formation Grayburg
 FROM: 3641 TO: 3750
 Initial Production 244 BOPD 0 BWPD
332 MCFPD 1360 GOR

Completion Data:
 Acidized w/2000 gals.
 Set packer @ 3737'.

Subsequent Workover or Reconditioning:
10/9/52 - Pulled packer - left well shut-in.

5/18/53 - Installed rod pump.

1/20/66 - Closed-in well.

6/14/78 - Found casing parted at 390'.

7/12/78 - Cleaned out to 2986'. Spotted 30 sxs cmt 2724 - 2986. Spotted 25 sxs 2400-2500'. Spotted 25 sxs 1127 - 1257'. Pulled 397' 5 1/2" casing. Spot 297' sxs cmt from surface to 450'. P&A'd.

Present Prod. _____ BOPD _____ BWPD _____
 _____ MCFPD _____ GOR _____
 _____ Date _____

Remarks or Additional Data:
5 1/2" casing in 7 7/8" hole.
4 3/4" openhole.

Tubing stuck in hole 3637 - 3736'.

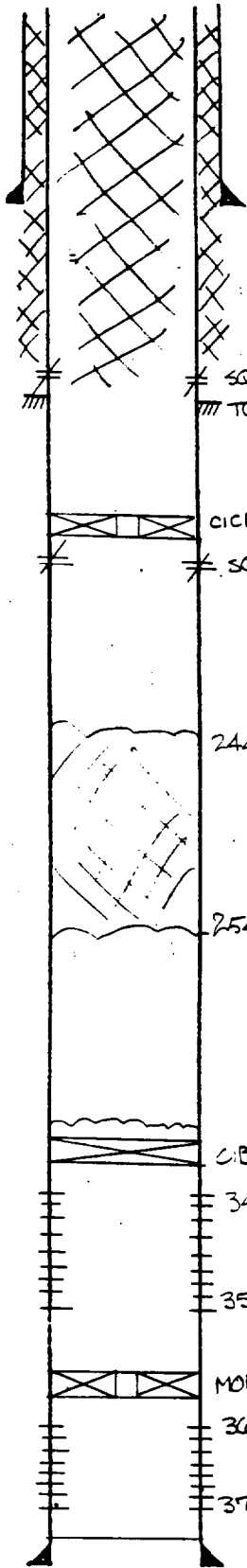
PBD _____
 TD 3750

CHEVRON (FORMERLY GULF)

LEASE & WELL NO. S. PENROSE SKELLY UNIT #180 FIELD/POOL P&A DATE _____

LOCATION 660 FEET FROM SOUTH LINE AND 660 FEET FROM WEST LINE

SECTION B-T225-R37E, UNIT LETTER M COUNTY LEA STATE NM



GE 3415
KDB to GE _____
DF to GE _____

7 5/8 " OD Surface Pipe
set @ 329 ' w/ 200 sx
Cmt. Circulated? YES

SQZ HOLES @ 520 w/ 250 SX CMT
TOC @ 7.520 ' TO SURF

CIRC @ 1160 w/ 283 SX CMT
SQZ HOLES @ 1260 '

2440
2540
CMT PLUG

CIRP @ 3400 w/ 35 ' CMT

3468

3567

MODEL D PKR @ 3650

3684

3795

PBD 3795
TD 3800

4 1/2 " OD 9.5 # _____ Thd
Gr. J-55 _____ Csg.
set @ 3799 ' w/ 400 sx
Cmt Circulated? NO
TOC @ 1122 ' by TS
CALC *

Date Completed _____
Initial Formation _____

From: _____ to _____ ' COR
Initial: Production bopd _____ bwpd _____
Or: Injection bwpd @ _____ psi

Completion Data:
(APRIL 1960) PERF'D PENROSE SKELLY GRAYBURG
@ 3468-3567. ACID'Z & FRAC'D

Subsequent Workover or Reconditioning:
(AUGUST 1960) PERF'D 3684-3795 ACID'Z &
FRAC'D. DUAL COMPLETION w/ MODEL D PKR
@ 3650

(1965) CLOSED IN

(JANUARY 1966) ACIDIZED & RETURNED PENROSE
SKELLY TO PRODUCTION.

(JUNE 1967) CLOSED IN

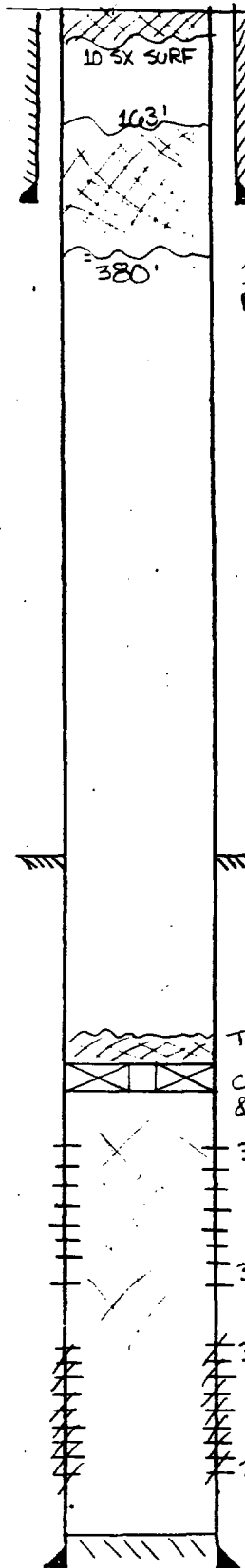
(MAY 1983) P&A, SET CIRP @ 3400 & CAP w/
35' CMT. SPOT 100' CMT PLUG @ 2440. PERF'D
SQZ HOLES @ 1260. EST CIRC & CMT'D w/
283 SX. TOC @ 520. PERF'D SQZ HOLES @
520. PUMPED 250 SX CMT.

Present Inj. _____ bwpd @ _____ psi Date _____
Present Prod. _____ bopd _____ bwpd Date _____
GAS _____ MCF PD _____

Remarks Or Additional Data:
* APPARENT CEMENT TOP ORIGINALLY AT OR
BELOW 1260' BASED ON P&A DETAILS
(i.e. ABLE TO CIRCULATE FROM SQZ HOLES
PRIOR TO CEMENTING)

ADOBE OIL

LEASE & WELL NO. ADOBE STATE # 1 FIELD/POOL P&A DATE _____
LOCATION 660 FEET FROM NORTH LINE AND 660 FEET FROM WEST LINE
SECTION 17-T22S-R37E, UNIT LETTER D COUNTY LEA STATE NM



GE 3410
KDB to GE _____
DF to GE _____

8 5/8" OD Surface Pipe
set @ 331' w/ 200 sx
Cmc. Circulated? YES

15 SX CMT
PLUG

(NOTE: OCD RECORDS
INDICATED THAT TOC
WAS ABOVE YATES)

TOC @ 3184 BY CALC

TOC @ 3347'

CICR @ 3397 w/ 50 SX BELOW
& 50' ON TOP

3467

3562

3675

3704

} 50 SX
w/ 150 SX

PBD 3730
TD 3798

4 1/2" OD _____ Thd
Gr. _____ Csg.
set @ 3792 w/ 150 sx
Cmc Circulated? NO
TOC @ 3184 by JF
CALC

Date Completed _____
Initial Formation _____
From: _____ to _____ COR _____
Initial: Production bopd _____ bupd _____
Or: Injection bupd @ _____ psi

Completion Data:
(DECEMBER 1959) PERF'D 3675-3704. ACIDIZ & FRAC'D

Subsequent Workover or Reconditioning:

(JULY 1960) 50 SX'D PERFS w/ 150 SX.
PERF'D 3467-3562. ACIDIZ & FRAC'D.

(FEBRUARY 1968) REFRAC'D

(MAY 1977) P.R.A'D. SET CICR @ 3397 & CMT
w/ 50 SX BELOW & 50' ON TOP. SPOTTED 15 SX
CMT PLUG @ 380' & 10 SX SURF PLUG.

Present Inj. bupd @ _____ psi Date _____
Present Prod. bopd _____ bupd Date _____
GAS _____ MCFPD _____

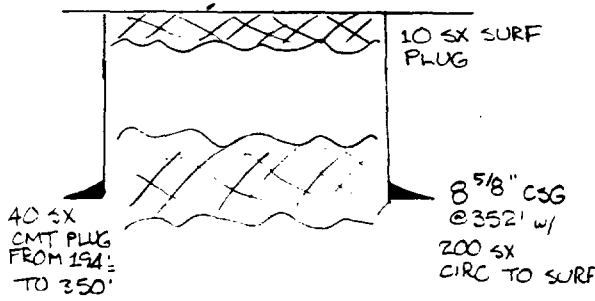
Remarks Or Additional Data:
TOP OF CEMENT CALCULATION BASED ON
A YIELD OF 1.32 CU FT/SX AND 30% LOSSES.

ADOBE

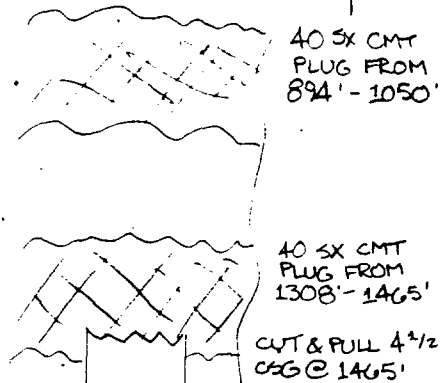
USE & WELL NO. ADOBE STATE #2 FIELD/POOL P&A DA. _____

LOCATION 1980 FEET FROM NORTH _____ LINE AND 660 FEET FROM WEST LINE .

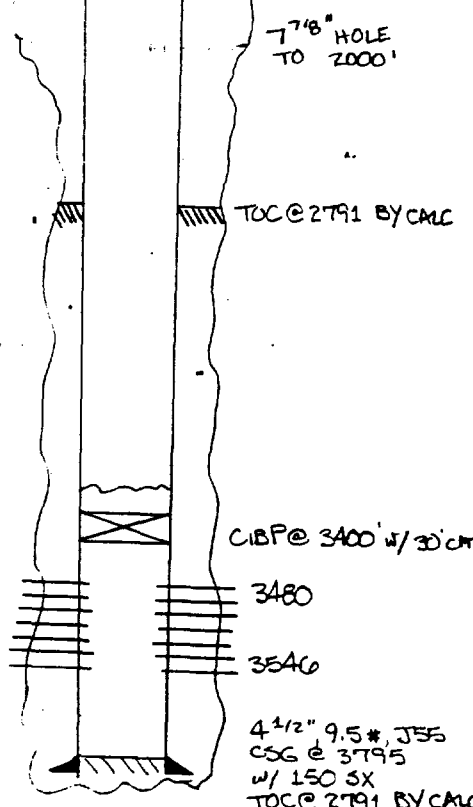
SECTION 17-T22S-R37E, UNIT LETTER E COUNTY LEA STATE NM



Date Completed _____
 Initial Formation _____
 From: _____ to _____ GOR _____
 Initial: Production _____ bopd _____ bupd _____
 Or: Injection _____ bupd @ _____ psi
 Completion Data:
(NOVEMBER 1960) PERF'D 3480-3546 FRAC'D
W/ 10,000 GALS & 20,000 # SAND.



Subsequent Workover or Reconditioning:
(MAY 1977) P&A SET CIBP @ 3400 & CAPPED
W/ 30' CMT CUT & PULL 4 1/2" CSG @ 1465'
SPOTTED 40 SX CMT PLUGS @ 1465, 1050 &
350 AND A 10 SX SURF PLUG.



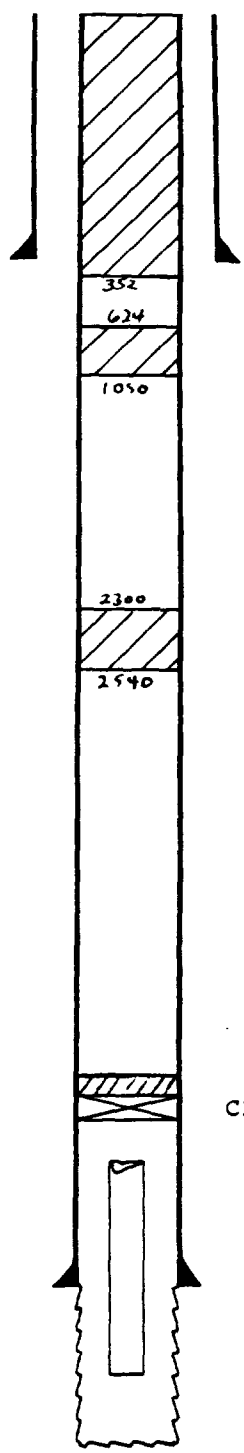
Present Inj. _____ bupd @ _____ psi Date _____
 Present Prod. _____ bopd _____ bupd Date _____
 GAS _____ MCFPD _____

Remarks Or Additional Data:
CEMENT TOP CALCULATION BASED ON A
YIELD OF 1.32 CUFT/SX AND 30 % LOSSES

6 3/4" HOLE TO 3800

WELL DATA SHEET

LEASE Sun Ruby Crosby WELL NO. 2 FIELD P&A DATE 11/30/88
LOCATION 660 FEET FROM N LINE AND 2310 FEET FROM E LINE
SECTION 18 TOWNSHIP 22-S RANGE 37-E COUNTY Lea STATE NM



GE: 3428 '
KDB to GE _____ '
DF to GE _____ '

9 5/8 " OD _____ lbs.
Surf. Pipe set @ _____
312 w/ _____ sx
cmt. Circ? Yes

Date Completed 12/23/39
Initial Formation Grayburg
FROM: 3638 TO: 3728
Initial Production 240 BOPD _____ BWPD _____
MCFPD _____ GOR _____

Completion Data:

Subsequent Workover or Reconditioning:
11/7/50 - Acidized w/250 gals 15%.

3/1/60 - TA'd.

6/12/84 - Cut tbq @ 3560', could not pull. Cut tbq @ 3400' and recovered. Set CIBP @ 3400' w/5 sxs cmt. Spct 25 sxs cmt plug 2300 - 2540'. Perf @ 1050'. Could not pump into. Spot 50 sx plug 624 - 1050'. Tag cmt @ 905'. Spot 25 sxs plug 182 - 352'. Could not tag. Spot 50 sxs plug surface to 352'. P&A.

CIBP @ 3400'

5 1/2 " OD
Gr _____
Csg set @ _____
3638 ' w/ 350 sx
Cmt. Circ? N/A
TOC @ Surf by PS
Calc

Present Prod. _____ BOPD _____ BWPD _____
MCFPD _____ GOR _____
Date _____

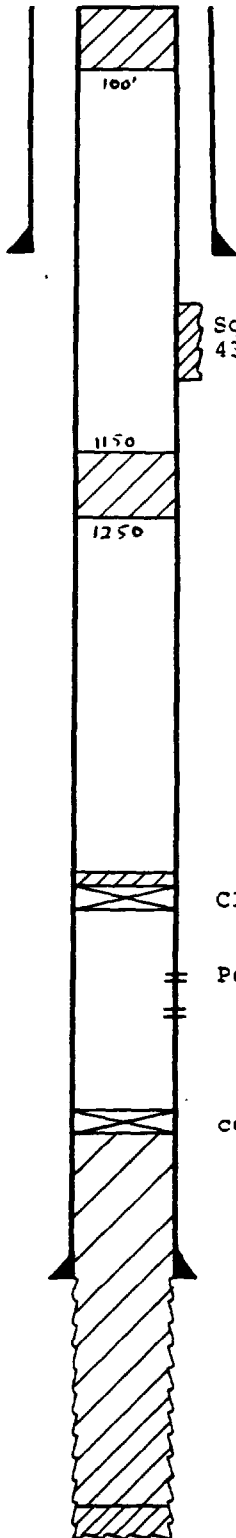
Remarks or Additional Data:
5 1/2" in 6 3/4" hole

PBD _____ '
TD 3728 _____ '

WELL DATA SHEET

219

LEASE Chevron A.L. Christmas (NCT-C) WELL NO. 1 FIELD P&A DATE 12/1/88
 LOCATION 330 FEET FROM N LINE AND 330 FEET FROM W LINE
 SECTION 18 TOWNSHIP 22-S RANGE 37-E COUNTY Lea STATE NM



GE: 3442 '
 KDB to GE 12 '
 DF to GE _____'

10 3/4" OD 51 lbs.
 Surf. Pipe set @
323 w/ 250 sx
 cmt. Circ? Yes

Squeezed casing leak
 435'-450' w/ 150 sxs.

CIBP @ 3580'

Perfs 3615'-3636'

cement rtn. @ 3638'

5 1/2" OD
 Gr C&H
14 & 17# Csg set @
3640 ' w/ 400 sx
 Cmt. Circ? No
 TOC @ 2360 by TS

Date Completed 11/14/39
 Initial Formation Grayburg
 FROM: 3640 TO: 3730
 Initial Production 2736 BOPD 0 BWPD
2217 MCFPD 810 GOR

Completion Data:
 OH Completion _____

Subsequent Workover or Reconditioning:

12/15/46 - Ran formation packer to
3687'.
6/21/49 - Installed gas lift system.
1/11/53 - Installed rod pump.
10/20/55 - PB to 3694 w/40 gallons
 hydromite. Pumped 3 BO &
 393 BW. PB to 3675 w/18
 gallons hydromite. Pumped
 0 BO & 246 BW. Set cement
 rtn @ 3638. Squeezed OH
 w/105 sxs. Perfed 3615 -
 3636'. Acidized w/500
 gals. Fraced w/5000 gals
 Petro frac w/1# spq.
7/6/56 - Installed rod pump.
7/26/74 - Found hole in casing 435 -
 450'. Squeezed w/150 sxs
 cmt. Left CI.
5/19/77 - Cleaned out to 3590'. Set
 CIBP @ 3580' w/50' cmt on
 on top. Spot 100' cmt
 1150-1250', and surface to
 100'. P&A'd.

Present Prod. _____ BOPD _____ BWPD
 _____ MCFPD _____ GOR
 _____ Date

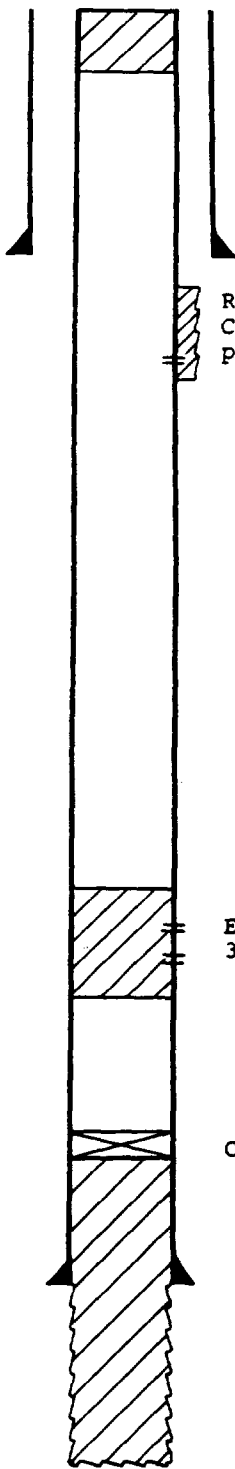
Remarks or Additional Data:

5 1/2" casing in 7 7/8" hole.
4 3/4" open-hole

PBD _____ '
 TD 3730 '

WELL DATA SHEET

LEASE Chevron A.L. Christmas (NCT-C) WELL NO. 4 FIELD P&A DATE 12/1/88
 LOCATION 1650 FEET FROM N LINE AND 330 FEET FROM W LINE
 SECTION 18 TOWNSHIP 22-S RANGE 37-E COUNTY Lea STATE NM



GE: 3433 '
 KDB to GE _____ '
 DF to GE 8.5 _____ '

9 5/8" OD 25.7 lbs.
 Surf. Pipe set @
288 w/ 185 sx
 cmt. Circ? Yes

Repair csg. leak @ 430'
 Circulated cmt. through
 perf at 1000'

Eumont Perfs
 3603'-3626'

Cement rtn. @ 3630'

5 1/2" OD
 Gr H
14 # Csg set @
3635 ' w/ 200 sx
 Cmt. Circ? No
 TOC @ 2390 by TS

Date Completed 3/19/40
 Initial Formation Grayburg
 FROM: 3635 TO: 3740
 Initial Production 419 BOPD 0 BWPD
1989 MCFPD 4747 GOR

Completion Data:
 OH Completion

Subsequent Workover or Reconditioning:

5/5/40 - Acidized w/1500 gals.

6/15/50 - Installed gas lift.

7/27/51 - Acidized w/2000 gals.

12/30/52 - Installed rod pump.

11/5/55 - Found casing leak @ 430'.
 Perf 5 1/2 at 1000'. Cir-
 culated cement and braden-
 head, squeezed.

5/31/60 - Set cement retainer @ 3630
 & squeeze OH w/3635 -3740
 w/100 sxs. Perf Eumont
 3603 - 3626'. Acidized w/
 500 gals. Fraced w/12,000
 gals oil w/2#'s spg.

2/19/62 - Spot cement plug 3542 -
 3630'. Spot cement plug
 surface to 50'.

Present Prod. _____ BOPD _____ BWPD
 _____ MCFPD _____ GOR
 _____ Date

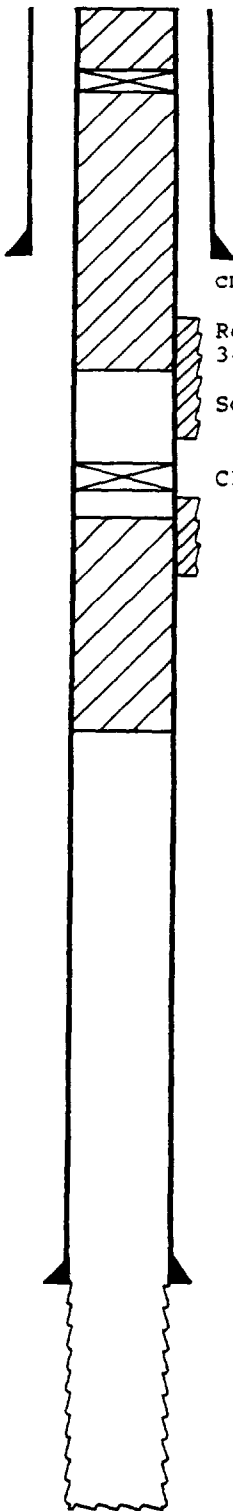
Remarks or Additional Data:

5 1/2" casing in 6 3/4" hole.
4 3/4" open-hole

PBD _____ '
 TD 3740 _____ '

WELL DATA SHEET

LEASE Chevron A.L. Christmas (NCT-C) WELL NO. 2 FIELD P&A DATE 12/1/88
 LOCATION 1980 FEET FROM N LINE AND 1650 FEET FROM W LINE
 SECTION 18 TOWNSHIP 22-S RANGE 37-E COUNTY Lea STATE NM



GE: 3422 '
 KDB to GE 8 '
 DF to GE 7 '

9 5/8" OD 25.7 lbs.
 Surf. Pipe set @
290 w/ 200 sx
 cmt. Circ? Yes
 cmt rtn. @ 55'

Repair casing leaks @
346'-1380' & 1887'-2360'

Squeezed hole @ 920'

CIBP @ 1175

5 1/2" OD
 Gr H
14 # Csg set @
3627 ' w/ 200 sx
 Cmt. Circ? No
 TOC @ 2360 by TS

Date Completed 2/17/40
 Initial Formation Grayburg
 FROM: 3627 TO: 3730
 Initial Production 1632 BOPD 0 BWPD
5500 MCFPD 3370 GOR

Completion Data:
OH Completion

Subsequent Workover or Reconditioning:
4/20/56 - Repaired casing leaks from
346 - 1380' and 1887 -
2360' w/a total of 3290
 sxs cmt.

6/21/56 - Installed rod pump.

5/3/63 - Found tight spot in casing
 at 2346'. Lost 4" swage &
3 sub connections in hole.
 Milled casing 2326 - 2337'.
 Lost mill in hole. Spot 140
 sxs cmt 2296 to 1185'. Set
 CIBP @ 1175' w/ 2 sxs cmt on
 top. Set cement rtn @ 55'.
 Squeeze hole @ 920' w/ 200
 sxs. Spot 55' cmt from sur-
 face to 55'.

Present Prod. _____ BOPD _____ BWPD
 _____ MCFPD _____ GOR
 _____ Date

Remarks or Additional Data:
5 1/2" casing in 6 3/4" hole.
4 3/4" open-hole

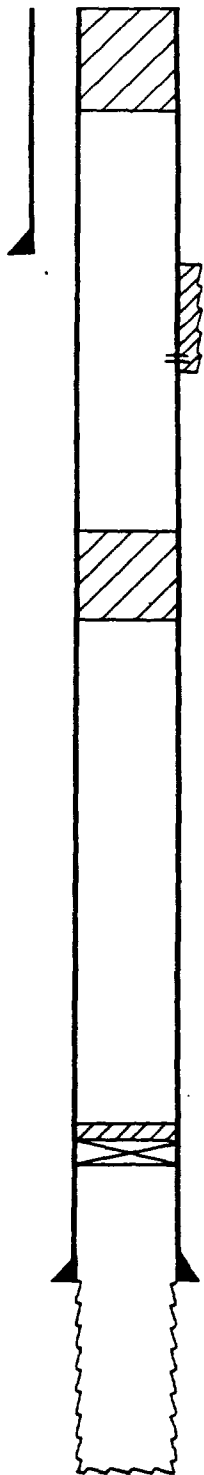
Junk in hole - mill and 4" swage.

PBD _____ '
 TD 3730 '

WELL DATA SHEET

229

LEASE Chevron A.L. Christmas (NCT-C) WELL NO. 3 FIELD P&A DATE 12/1/88
LOCATION 1980 FEET FROM N LINE AND 2310 FEET FROM E LINE
SECTION 18 TOWNSHIP 22-S RANGE 37-E COUNTY Lea STATE NM



GE: 3414 '
KDB to GE 8 '
DF to GE 7 '

Date Completed 2/8/40
Initial Formation Grayburg
FROM: 3622 TO: 3720
Initial Production 2220 BOPD 0 BWPD
1403 MCFPD 631 GOR

Completion Data:
OH Completion

9 5/8" OD 25.7 lbs.
Surf. Pipe set @
315 w/ 175 sx
cmt. Circ? Yes

Circulate cement through
perf at 1000' to repair
casing leak @ 450'

Subsequent Workover or Reconditioning:
11/14/55 - Repaired casing leak @
450'. Perfed 5 1/2"
casing at 1000'. Cemented
w/376 below retainer at
975'. Cement circ. Clean-
out to TD.

5/17/77 - Set CIBP @ 3587 w/35' cmt
on top. Spotted 100' cmt
from 1150 - 1250'. Spotted
50' cmt from surface. P&A.

CIBP @ 3587'

5 1/2" OD
Gr H
14 # Csg set @
3622' w/ 350 sx
Cmt. Circ? No
TOC @ 2360 by TS

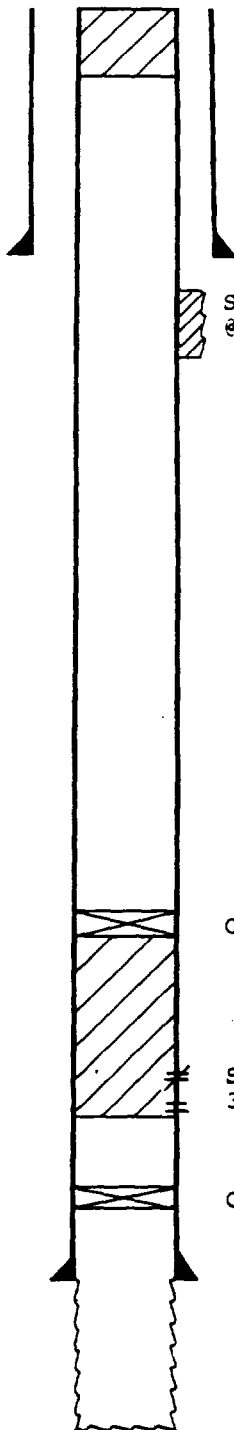
Present Prod. _____ BOPD _____ BWPD
_____ MCFPD _____ GOR
_____ Date

Remarks or Additional Data:
5 1/2" casing in 7 7/8" hole.
4 3/4" open-hole

PBD _____ '
TD 3720 '

WELL DATA SHEET

LEASE Amerada State "PA" WELL NO. 1 FIELD P&A DATE 11/30/88
LOCATION 1980 FEET FROM S LINE AND 1980 FEET FROM W LINE
SECTION 18 TOWNSHIP 22-S RANGE 37-E COUNTY Lea STATE NM



GE: 3419 '
KDB to GE _____ '
DF to GE 10 _____ '

8 5/8" OD 32 lbs.
Surf. Pipe set @
317 w/ 125 sx
cmt. Circ? Yes

Squeezed casing leak
@ 362'

Cement rtn. @ 3327'

Squeezed Eumont Perfs
3426'-3490'

CIBP @ 3588'

5 1/2 " OD
Gr. _____
14 # Csg set @
3640 ' w/ 150 sx
Cmt. Circ? No
TOC @ 1343 by TS
Calc

Date Completed 4/11/40
Initial Formation Grayburg
FROM: 3640 TO: 3724
Initial Production 417 BOPD 0 BWPD
225 MCFPD 540 GOR

Completion Data:
Acidized w/2000 gals.

Subsequent Workover or Reconditioning:

- 5/28/50 - Acidized w/2000 gals.
- 6/5/54 - Fraced w/4500 gals & 4500 #'s sand.
- 2/24/56 - Acidized w/500 gals. Fraced w/15,000 gals oil & 15,000 #'s sand.
- 2/28/56 - Squeezed casing leak @ 362' w/150 sxs.
- 3/2/56 - Perf Eumont 3426 - 3490'. Frac w/15,000 gals oil & 15,000 #'s sand. Dual Eumont/Grayburg.
- 9/18/80 - Squeezed Eumont w/140 sxs.
- 9/26/80 - Squeezed csg leak @ 360' w/200 sxs. Casing log indicated bad casing. Left CIBP @ 3588, cmt rtn @ 3327'.
- 4/7/81 - Spot 30 sxs cmt surface to 124'.

Present Prod. _____ BOPD _____ BWPD
_____ MCFPD _____ GOR
_____ Date _____

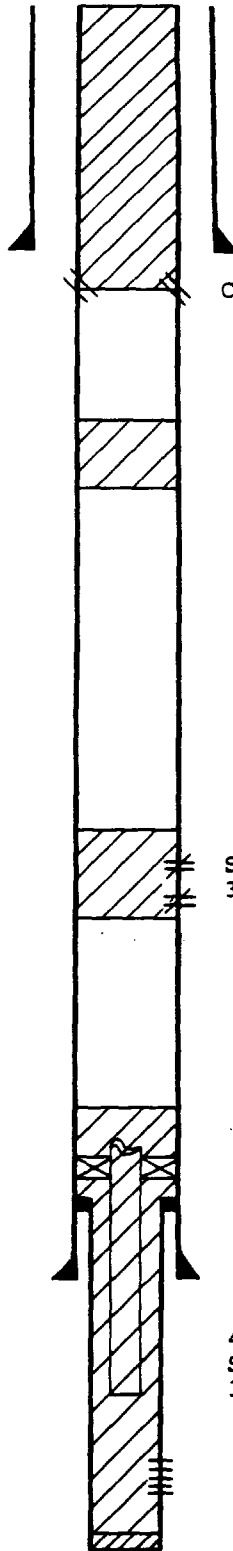
Remarks or Additional Data:
7" casing in 7 3/4" hole

PBD _____

TD 3724

WELL DATA SHEET

LEASE Chevron A.L. Christmas (NCT-C) WELL NO. 5 FIELD P&A DATE 12/1/88
 LOCATION 2310 FEET FROM S LINE AND 330 FEET FROM W LINE
 SECTION 18 TOWNSHIP 22-S RANGE 37-E COUNTY Lea STATE NM



GE: 3443 '
 KDB to GE 6.5 '
 DF to GE 5 '

9 5/8" OD 25.7 lbs.
Surf. Pipe set @
302 w/ 275 sx
cmt. Circ? Yes

Casing parted @ 481'

Squeezed Eumont Perfs
 3435'-3497'

5 1/2" OD
Gr H
14 # Csg set @
3665' w/ 200 sx
Cmt. Circ? No
TOC @ 1452 by Calc

4" liner 3617'-3741'
Squeezed Grayburg Perfs
3703'-3713'

Date Completed 9/3/40
 Initial Formation Grayburg
 FROM: 3665 TO: 3740
 Initial Production 1365 BOPD 0 BWPD
952 MCFPD 697 GOR

Completion Data:
OH Completion
Formation packer @ 3713'

Subsequent Workover or Reconditioning:
7/10/50 - Installed gas lift.
12/29/52 - Installed rod pump.
7/22/55 - Underreamed hole and ran
4 1/2" liner from 3617 -
3741 w/50 sx. Perf liner
3703 - 3713. Acidized w/
500 gals.
10/19/56 - Perf Eumont 3435 - 3497'.
Acidized w/500 gals.
Fraced w/10,000 gals oil
w/1# spg. Dual complete
Eumont & Arrowhead.
10/13/80 - Found bad casing at 481'.
Tbg parted @ 3539. Tbg &
pkc stuck in hole. Set
pkc @ 3593 & squeeze
Arrowhead perfs and fish
in hole w/75 sx. Squeeze
Eumont perfs w/10 sx.
3/2/81 - Unable to pull parted csq.
Spot 100' cmt 1150 - 1250'.
Pump 125 sx cmt from surf.
TOC 19'. P&A.

Present Prod. _____ BOPD _____ BWPD
 _____ MCFPD _____ GOR
 _____ Date

Remarks or Additional Data:
5 1/2" casing in 6 3/4" hole.
4 3/4" open-hole

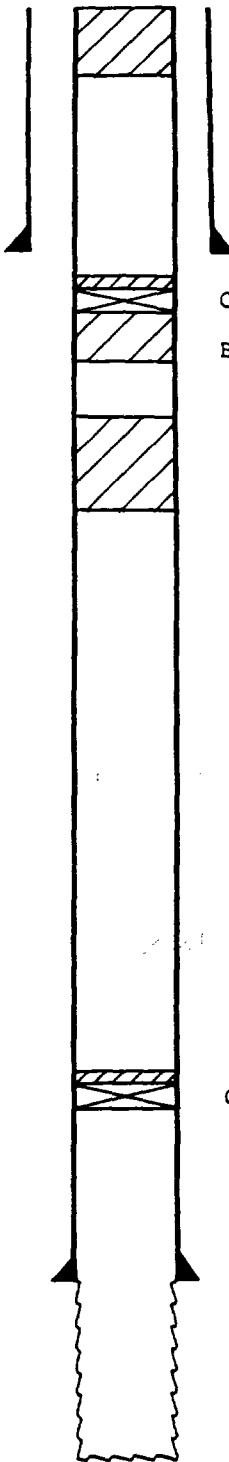
PBD _____

TD 3745 '

WELL DATA SHEET

270

LEASE Chevron A.L. Christmas (NCT-C) WELL NO. 6 FIELD P&A DATE 12/1/88
 LOCATION 660 FEET FROM S LINE AND 660 FEET FROM W LINE
 SECTION 18 TOWNSHIP 22-S RANGE 37-E COUNTY Lea STATE NM



GE: 3443 '
 KDB to GE _____ '
 DF to GE 5 _____ '

9 5/8" OD 25.7 lbs.
 Surf. Pipe set @
302 w/ 275 sx
 cmt. Circ? Yes

Cmt. rtn. @ 440'
 Bad casing @ 465'-558'

CIBP @ 3615'

5 1/2" OD
 Gr _____
14 # Csg set @
3665 ' w/ 200 sx
 Cmt. Circ? NO
 TOC @ 2211 by PS
Calc

Date Completed 9/2/40
 Initial Formation Grayburg
 FROM: 3665 TO: 3740
 Initial Production 1365 BOPD 0 BWPD
952 MCFPD 698 GOR

Completion Data:
OH Completion

Subsequent Workover or Reconditioning:
7/10/50 - Installed gas lift.

11/14/52 - Installed rod pump.

5/17/77 - Set CIBP @ 3615' w/35' cmt on top. Found bad casing 465' to 558'. Spot 100' cmt 1200 - 1300'. Set cmt rtn @ 440' and squeezed bad casing w/310 sxs. Cmt circulated. Left 2 sx on top of rtn. Spot 100' cmt plug from surface. P&A.

Present Prod. _____ BOPD _____ BWPD
 _____ MCFPD _____ GOR
 _____ Date

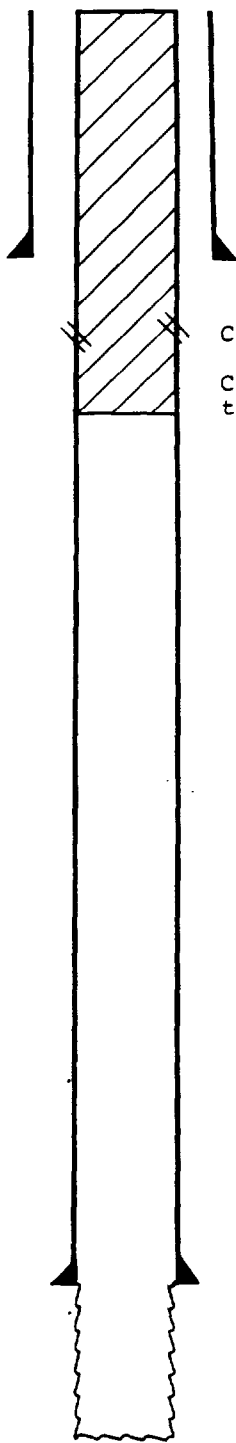
Remarks or Additional Data:
5 1/2" casing in 6 3/4" hole.
4 3/4" open-hole

PBD _____

TD 3740 '

WELL DATA SHEET

LEASE Amerada State "PA" WELL NO. 2 FIELD P&A DATE 11/30/88
LOCATION 660 FEET FROM S LINE AND 1980 FEET FROM W LINE
SECTION 18 TOWNSHIP 22-S RANGE 37-E COUNTY Lea STATE NM



GE: 3432 '
KDB to GE 10 '
DF to GE _____ '

7 5/8" OD 26 lbs.
Surf. Pipe set @
312 w/ 100 sx
cmt. Circ? yes

Casing parted @ 348'
Casing plug surface
to 906'

Date Completed 7/21/40
Initial Formation Grayburg
FROM: 3640 TO: 3724
Initial Production 218 BOPD 0 BWPD
196 MCFPD 899 GOR

Completion Data:
OH Completion

Subsequent Workover or Reconditioning:
6/3/50 - Acidized w/2000 gals.

5/9/53 - Fraced w/3000 gals & 1500
#'s sand.

10/15/55 - Acidized w/500 gals.

11/20/58 - Acidized w/3500 gals.

4/12/73 - Acidized w/1000 gals.

1/22/75 - Cleaned out to 3700'. Perf
OH and acidize w/3000 gals
TA'd.

1/27/75 - Found casing parted at
348'.

8/1/77 - Spot cmt plug surface to
906'.

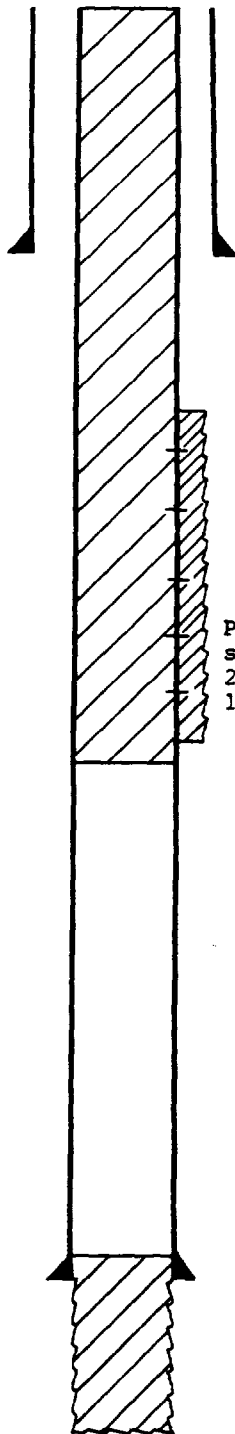
Present Prod. _____ BOPD _____ BWPD
_____ MCFPD _____ GOR
_____ Date

5 1/2" OD
Gr _____
17 # Csg set @
3640' w/ 150 sx
Cmt. Circ? _____
TOC @ 2300 by TS

Remarks or Additional Data:
5 1/2" casing in 6 3/4" hole
7 5/8" in 9 7/8" hole

PBD _____ '
TD 3724 '

LEASE American State "M" WELL NO. 2 FIELD P&A DATE 11/30/88
LOCATION 660 FEET FROM S LINE AND 1980 FEET FROM E LINE
SECTION 18 TOWNSHIP 22-S RANGE 37-E COUNTY Lea STATE NM



GE: 3418 '
KDB to GE 11 '
DF to GE _____'

9 5/8" OD 36 lbs.
Surf. Pipe set @
445 w/ 125 sx
cmt. Circ? Yes

Perf and cement
squeeze at 2389',
2352', 1938', 1897',
1771', 1551', & 464'

5 1/2" OD
Gr _____
17 # Csg set @
3617 ' w/ 300 sx
Cmt. Circ? No
TOC @ 298 by PS Calc

Date Completed 5/24/40
Initial Formation Grayburg
FROM: 3617 TO: 3720
Initial Production 1176 BOPD 0 BWPD
695 MCFPD 591 GOR

Completion Data:
Acidized OH w/3000 gals. Fraced w/
5000 gals oil & 7500 #'s sand.

Subsequent Workover or Reconditioning:
4/16/55 - Fraced OH 3673 - 3720 w/
5000 gals oil & 7500 #'s
sand.

3/61 - Perfed 3609 and fraced w/
10,000 gals oil & 20,000 #'s
sand. Found casing leaks.
Casing parted at 440'. Ran
casing blow. PB OH w/100 sxs.
Perf and cmt squeeze at 2389,
2352, 1938, 1897, 1771, 1551,
464. Bradenhead squeezed w/
200 sxs. (Perf-squeeze, check
cement top, perf, squeeze,
etc.)

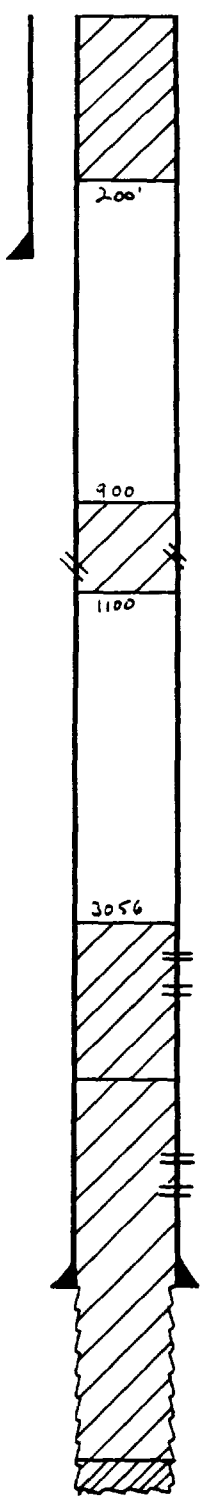
Present Prod. _____ BOPD _____ BWPD
_____ MCFPD _____ GOR
_____ Date

Remarks or Additional Data:
5 1/2" casing in 6 3/4" hole

PBD _____ '
TD 3720 '

WELL DATA SHEET

LEASE American State "M" WELL NO. 3 FIELD P&A DATE 11/30/88
LOCATION 660 FEET FROM S LINE AND 660 FEET FROM E LINE
SECTION 18 TOWNSHIP 22-S RANGE 37-E COUNTY Lea STATE NM



GE: 3399
KDE to GE 11
DF to GE 10

9 5/8" OD 36 lbs.
Surf. Pipe set @
448 w/ 150 sx
cmt. Circ? N/A
TOC @ Surf by Calc

Cut and pulled 1000' casing.

Eumont Perfs
3100'-3215'

Arrowhead Perfs
3561'-3574'

5 1/2" OD
Gr
17 # Csg set @
3600' w/ 300 sx
Cmt. Circ?
TOC @ 280 by TS
Calc

Date Completed 6/21/40
Initial Formation Grayburg
FROM: 3600 TO: 3710
Initial Production 2026 BOPD 0 BWPD
250 MCFPD 1238 GOR

Completion Data:
Treated OH w/3000 gals. PB to 3700'
(or 3656') w/10 sxs cmt. Perfed
3561, 3564, 3568, & 3574'. Acidized
perfs w/600 gals. Acidized OH w/400
gals.

Subsequent Workover or Reconditioning:
11/10/50 - Acidized w/4500 gals.
Plugback to 3256 w/175
sxs.

11/22/50 - Perf Eumont 3100 - 3215'.
Acidized.

11/50 - PB to 3056' w/25 sxs cmt.
Cut and pulled 1000' 5 1/2"
casing. Spot cement plug
900 - 1100' (50 sxs) and
surface to 200' (100 sxs).

Present Prod. _____ BOPD _____ BWPD
_____ MCFPD _____ GOR
Date _____

Remarks or Additional Data:
5 1/2" casing in 6 3/4" hole
9 5/8" in 12 1/4" hole

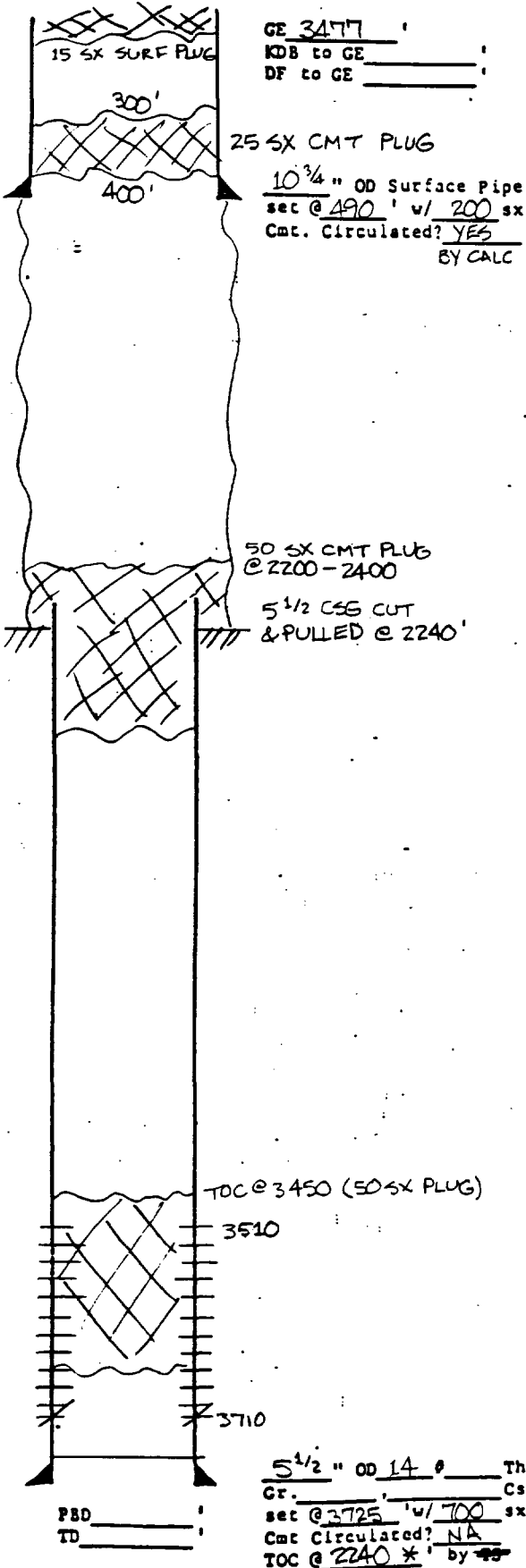
PBD _____
TD 3710

EXXON

LEASE & WELL NO. NEW MEXICO "M" STATE #7 FIELD/POOL P&A DATE _____

LOCATION 1980 FEET FROM NORTH LINE AND 1980 FEET FROM EAST LINE

SECTION 19-T225-R37E; UNIT LETTER G COUNTY LEA STATE NM



Date Completed _____

Initial Formation _____

From: _____ to _____ COR _____

Initial: Production bopd _____ bwpd _____

Or: Injection bwpd @ _____ psi

Completion Data: _____

(MAY 1944) PERF'D 3620 - 3710 & ACID'Z.

PARTIAL SOZ FROM 3700 - 30 w/ 50 SX.

Subsequent Workover or Reconditioning:

(FEBRUARY 1947) PERF'D 3600 - 45 & ACID'Z.

PERF'D 3510 - 60 & ACID'Z. SPOTTED 50 SX

CMT PLUG @ 3450 - 3050. CUT & PULLED 5 1/2"

CSS @ 2240. SPOTTED 50 SX CMT PLUG @ 2200 -

2400. 25 SX CMT PLUG @ 300 - 400' & 15 SX

SURF PLUG. P&A'd.

Present Inj. bwpd @ _____ psi Date _____

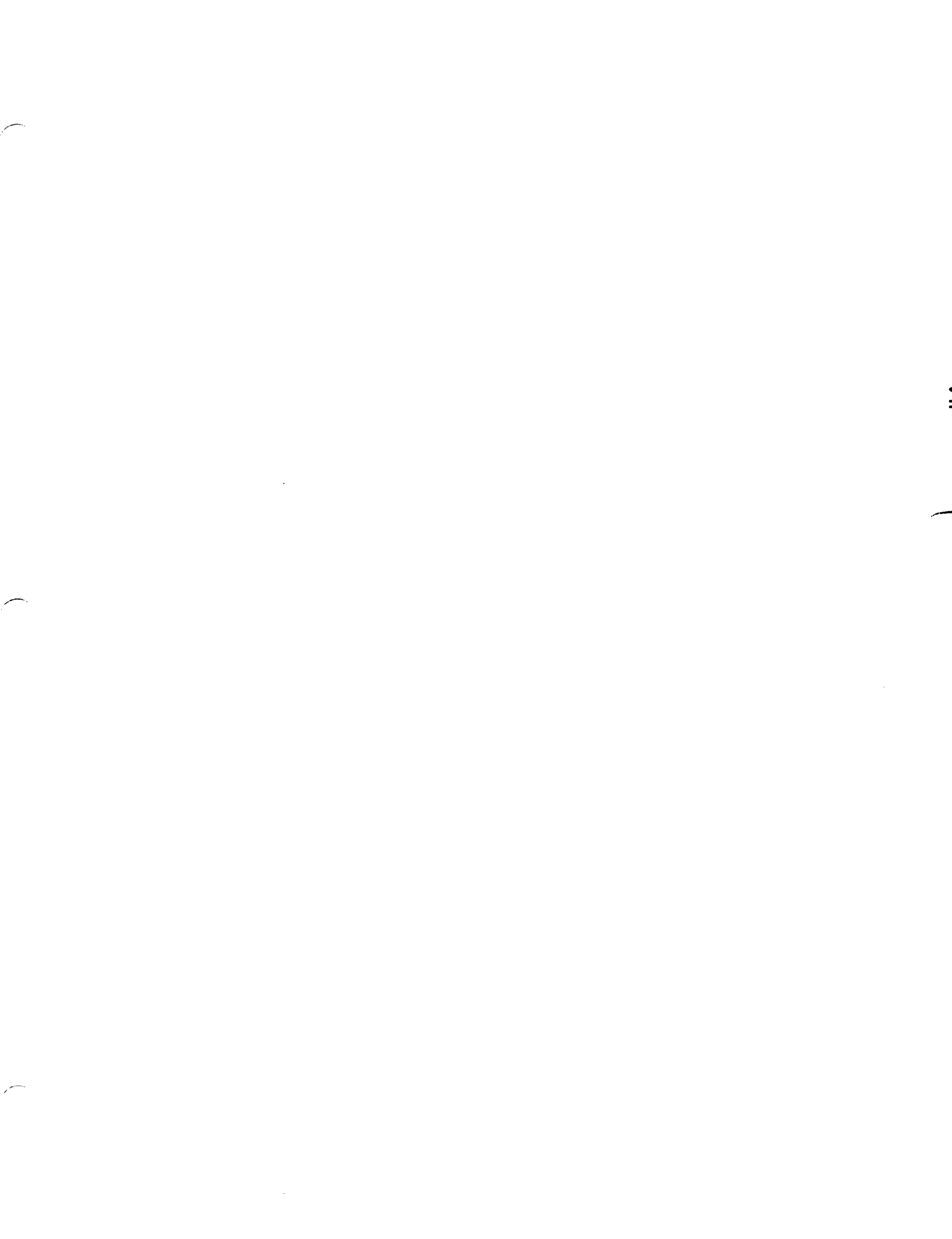
Present Prod. bopd _____ bwpd Date _____

GAS _____ MCFPD _____

Remarks Or Additional Data: _____

TOC CALCULATION BASED ON A YIELD OF 1.32 CUFT/SX AND ASSUMES 30% LOSSES

* TOC BASED ON CUT & PULL DURING P&A



DATA ON PROPOSED OPERATION
OF THE
ARROWHEAD GRAYBURG UNIT

1. Proposed average and maximum daily rate and volume of fluids to be injected:

Average Daily Rate of 500 BWPD

Maximum Daily Rate of 800 BWPD

2. System is closed

3. Proposed average and maximum injection pressures:

Average injection pressure of 350 psi

Maximum injection pressure of 740 psi*

4. The source of injection fluids will be from two proposed AGU San Andres water supply wells and produced water from the existing Arrowhead Grayburg producers.

5. The make-up water from the San Andres formation to be used as injection fluid is compatible with the produced water from the Unit wells (see attached water analysis).

* Until a fracture gradient is determined, maximum injection pressure will be based on a .2 psi/foot gradient.

RESULT OF WATER ANALYSES

LABORATORY NO. 1190152
 TO: Mr. Ray Cramer SAMPLE RECEIVED 11-14-90
P. O. Box 670, Hobbs, NM 88240 RESULTS REPORTED 11-21-90

COMPANY Chevron U.S.A., Inc. LEASE As Listed
 FIELD OR POOL Eunice Monument
 SECTION BLOCK SURVEY COUNTY Lea STATE NM

SOURCE OF SAMPLE AND DATE TAKEN:
 NO. 1 Produced water - taken from Harry Leonard "C" #6. 11-14-90
 NO. 2 Raw water - taken from Eunice Monument South Unit water supply well #461. 11-14-90
 NO. 3 Mixture of 10% Grayburg and 90% San Andres.
 NO. 4 Mixture of 50% Grayburg and 50% San Andres.
 REMARKS: 1. Grayburg 2. San Andres

CHEMICAL AND PHYSICAL PROPERTIES				
	NO. 1	NO. 2	NO. 3	NO. 4
Specific Gravity at 60° F.	1.0077	1.0174	1.0158	1.0125
pH When Sampled		6.8		
pH When Received	7.45	6.91	7.05	7.16
Bicarbonate as HCO ₃	2,379	671	878	1,452
Supersaturation as CaCO ₃	50	0	20	40
Undersaturation as CaCO ₃	--	--	--	--
Total Hardness as CaCO ₃	1,875	4,600	4,250	3,300
Calcium as Ca	488	1,220	1,140	860
Magnesium as Mg	159	377	340	279
Sodium and/or Potassium	2,047	5,903	5,594	4,322
Sulfate as SO ₄	451	2,560	2,377	2,011
Chloride as Cl	2,770	10,085	9,375	6,676
Iron as Fe	1.3	0.40	0.88	0.52
Barium as Ba	0	0	0	0
Turbidity, Electric	121	14	19	40
Color as Pt	42	32	32	40
Total Solids, Calculated	8,294	20,815	19,704	15,600
Temperature °F.		70		
Carbon Dioxide, Calculated	157	174	114	160
Dissolved Oxygen.		0.020		
Hydrogen Sulfide	265	318	212	212
Resistivity, ohms/m at 77° F.	0.850	0.410	0.430	0.520
Suspended Oil	--	1	--	--
Filtrable Solids as mg/l	34.0	13.8	8.0	52.0
Volume Filtered, ml	100	1,200	100	100
Calcium Carbonate Scaling Tendency	NONE	NONE	NONE	NONE
Calcium Sulfate Scaling Tendency	NONE	NONE	NONE	NONE

Results Reported As Milligrams Per Liter

Additional Determinations And Remarks The objective herein is to evaluate compatibility between the two waters represented. In striving to accomplish the desired mixtures that are represented, we feel that some qualification is warranted. In making these mixtures, we primarily strive to avoid air contamination and loss of gasses at least as much as possible during the mixing. The result is that the mixtures are not precisely accurate but reasonably close to the designated percentage. Also, it was necessary to work under the oil in the produced Grayburg water; therefore, the difficulty with avoiding re-suspension of oil causes the filtrable solids levels to vary significantly and therefore may not be generally representative.

RESULT OF WATER ANALYSES

TO: Mr. Ray Cramer LABORATORY NO. 1190152 (Page 2)
P. O. Box 670, Hobbs, NM 88240 SAMPLE RECEIVED 11-14-90
 RESULTS REPORTED 11-21-90

COMPANY Chevron U.S.A., Inc. LEASE As Listed
 FIELD OR POOL Eunice Monument
 SECTION BLOCK SURVEY COUNTY Lea STATE NM

SOURCE OF SAMPLE AND DATE TAKEN:
 NO. 1 Mixture of 90% Grayburg and 10% San Andres.
 NO. 2
 NO. 3
 NO. 4

REMARKS:

CHEMICAL AND PHYSICAL PROPERTIES				
	NO. 1	NO. 2	NO. 3	NO. 4
Specific Gravity at 60° F.	1.0073			
pH When Sampled				
pH When Received	7.36			
Bicarbonate as HCO ₃	2,147			
Supersaturation as CaCO ₃	80			
Undersaturation as CaCO ₃	--			
Total Hardness as CaCO ₃	2,100			
Calcium as Ca	560			
Magnesium as Mg	170			
Sodium and/or Potassium	2,329			
Sulfate as SO ₄	622			
Chloride as Cl	3,373			
Iron as Fe	0.40			
Barium as Ba	0			
Turbidity, Electric	73			
Color as Pt	48			
Total Solids, Calculated	9,202			
Temperature °F.				
Carbon Dioxide, Calculated	142			
Dissolved Oxygen.				
Hydrogen Sulfide	212			
Resistivity, ohms/m at 77° F.	0.750			
Suspended Oil				
Filtrable Solids as mg/l	7.0			
Volume Filtered, ml	100			
Calcium Carbonate Scaling Tendency	NONE			
Calcium Sulfate Scaling Tendency	NONE			

Results Reported As Milligrams Per Liter

Additional Determinations And Remarks Our microscopic study of the suspended material in the mixtures clearly indicated that this is the reason they are so variable in ranging from much lower than would be expected to much higher than would be expected. We identified no evidence in these microscopic studies of any precipitates or particles that would imply any incompatibility. There was no implication of potential precipitation or scaling potential as a result of combining the waters. The results of this study are considered conclusive evidence of no incompatibility between these waters. Therefore, it is concluded that the waters can be mixed in any proportion with no difficulty to be expected from the mixing.

By Waylan C. Martin
 Waylan C. Martin, M.A.



GEOLOGIC DATA
FRESH WATER AQUIFERS
IN THE AREA OF THE
PROPOSED ARROWHEAD GRAYBURG UNIT
LEA COUNTY, NEW MEXICO

The proposed Arrowhead Grayburg Unit is located approximately 2 miles west of Eunice, and is immediately southeast of the Eunice Monument South Unit.

Fresh water zones within the proposed unit boundaries are the Quaternary alluvium, Pliocene Ogallala, and the Triassic Chinle and Santa Rosa formations.

The Quaternary aquifers are in recent sediments and are very localized in extent. They are made up of dune sands and sands filling channels or depressions in the underlying Ogallala. The sands are unconsolidated to semiconsolidated, fine- to medium-grained. They are found from the surface to depths of approximately 100 feet.

The Pliocene Ogallala aquifer underlies the Quaternary alluvium and is present across the entire area, but is not a major water source. The Ogallala is a calcareous, unconsolidated sand containing some silt, clay, and gravel. The Ogallala is found at approximately 60-125 feet.

The Triassic Chinle and Santa Rosa aquifers are the principal, fresh water bearing zones in this area. They are both fine- to medium-grained sandstones interbedded with red clays and siltstones. Within the proposed unit area, the Chinle is at a depth of approximately 50 feet, while the Santa Rosa top is found at depths that range from 825 to 850'.

Below the Santa Rosa are un-differentiated Permian and Triassic red beds. These "red beds" consist of red shales and red silty sandstones, and are not known to produce fresh water.

At the base of the Santa Rosa and the un-differentiated Permian and Triassic "red beds" is the Permian Rustler. At the top of the Rustler is an impermeable anhydrite bed, approximately 60-70 feet thick which provides an excellent barrier against contamination from brine waters in the underlying oil-producing formations. The Rustler anhydrite is at depths of approximately 1250 to 1275 feet. There are no known fresh water horizons below the Rustler anhydrite.

For the protection of all fresh water zones within the unit boundary, cement will be circulated to surface around casing on all new injection wells.

GEOLOGICAL DATA
INJECTION ZONES
IN THE
PROPOSED ARROWHEAD GRAYBURG UNIT

Queen - Approx. depth 3300' - 3600'*, approx. 300 gross feet.

The Queen Formation overlies the Grayburg and is composed of alternating layers of hard dolomite and sand lenses. Porous sands are the producing intervals in the Queen, and are present over the entire unit area. These sands produce oil or gas, depending on their structural position.

Grayburg - Approx. depth 3650' - 3900'*, approx. 250 feet.

The Grayburg is a massive dolomite interbedded with thin stringers of low permeability sandstone. The majority of oil production comes from intercrystalline porosity in the dolomite.

The range in depths to the top of the Grayburg is due to steep homoclinal dip to the southwest throughout the proposed unit area.

San Andres - Approx. depth 3900' - 4150'*, approx. 1200 gross feet.

The San Andres is a massive dolomite with intercrystalline porosity, which lies directly below the Grayburg. The San Andres does not contribute oil production to the field and will serve as a source of injection water. The base of the unitized interval will be -1500' subsea, near the base of the San Andres section.

There are no known faults cutting through the San Andres and Grayburg which would act as a conduit for gas, oil, or injection water to seep into fresh water horizons above the injection zones in the Grayburg and San Andres.

* Depth depends upon structural position of the well.



Ref: Item IX of C108

PROPOSED STIMULATION PROGRAM
FOR
TYPICAL INJECTION WELL
ARROWHEAD GRAYBURG UNIT
LEA COUNTY, NEW MEXICO

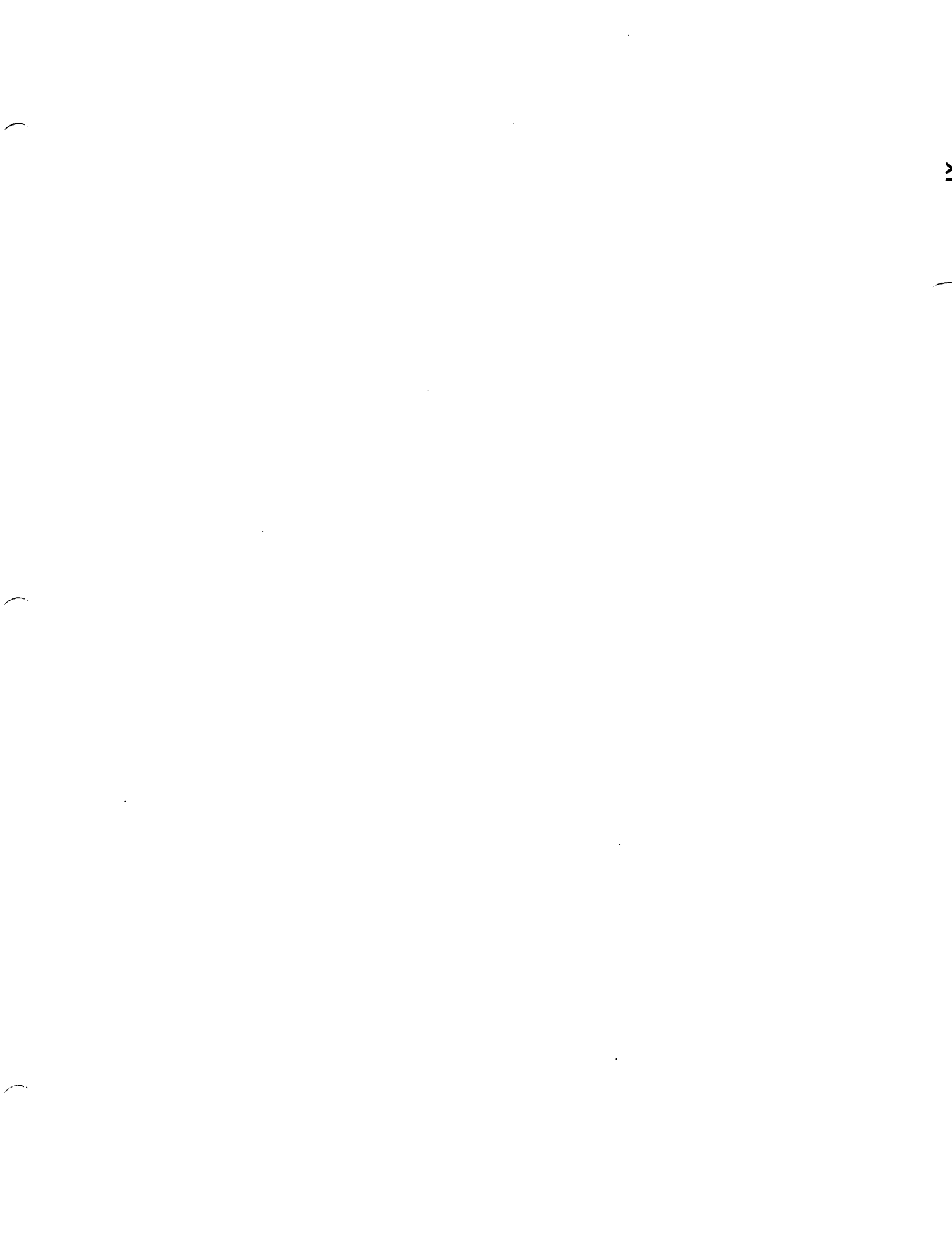
It is proposed to selectively perforate (cased hole) the interval from approximately -150' subsea to the base of the Grayburg formation and then stimulate this interval by acidizing with approximately 3,000 gallons of 15% HCL Acid.

Open hole completions will be cleaned out to T.D., deepened if necessary to the base of the Grayburg formation and acidized with approximately 3,000-5,000 gallons of 15% HCL Acid.

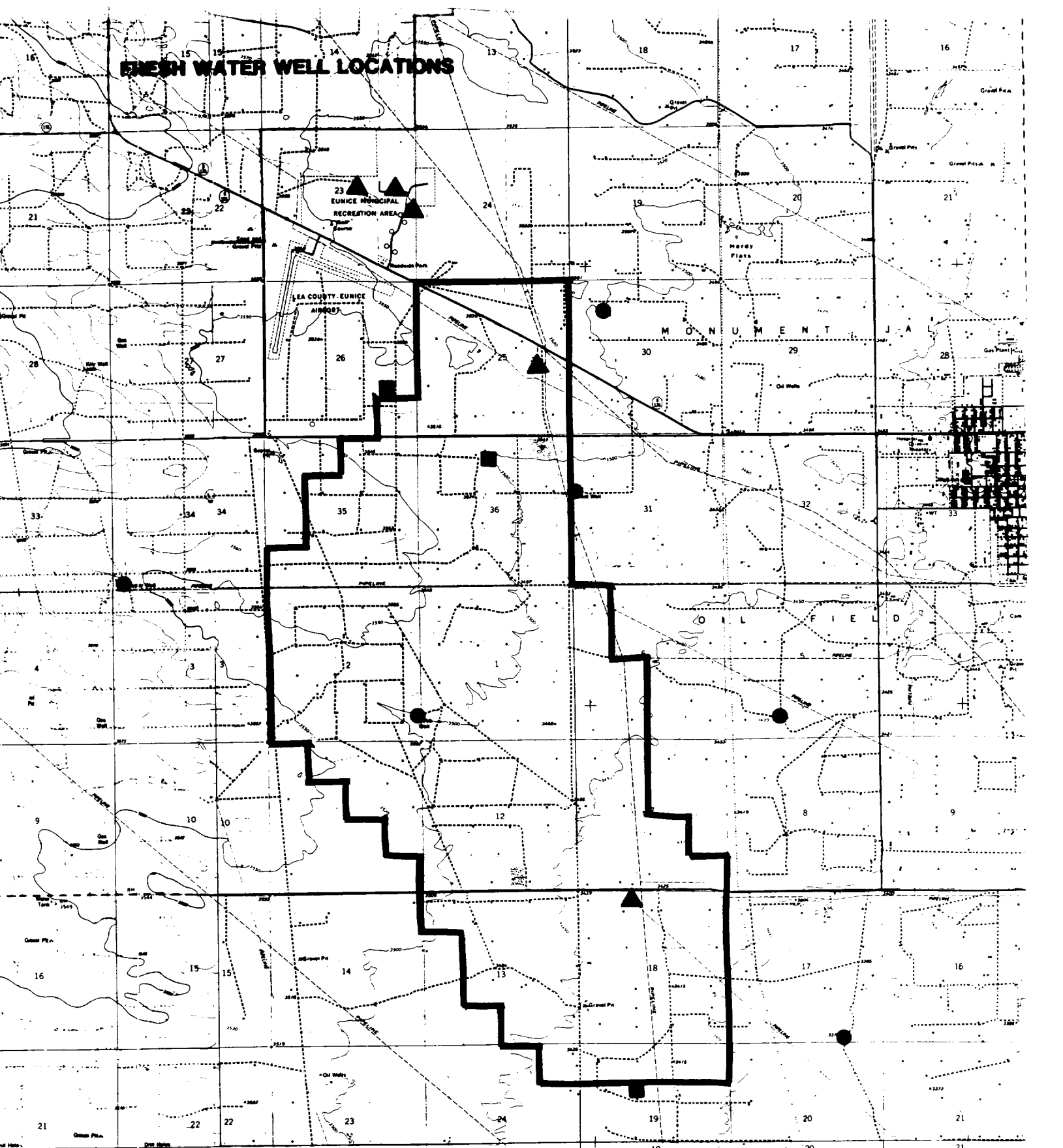


ARROWHEAD GRAYBURG UNIT
 PROPOSED WATER INJECTION WELLS WITH NO AVAILABLE
 WELL LOGS

<u>Operator</u>	<u>Current Lease Name & Well #</u>	<u>Proposed Well Name & #</u>	<u>Location (UL-Sec.-T-R)</u>
Arco	State "D" DE #1	AGU# 143 WI	0-36-21-36
Chevron	Harry Leonard (NCT-C) #3	AGU# 126 WI	E-36-21-36
Meridian	Mattern #2	AGU# 201 WI	K-7-22-37
Chevron	H. T. Mattern (NCT-D) #2	AGU# 198 WI	E-7-22-37
Chevron	H. T. Mattern (NCT-E) #2	AGU# 167 WI	K-1-22-36
Chevron	H. T. Mattern (NCT-E) #4	AGU# 177 WI	M-1-22-36
Chevron	H. T. Mattern (NCT-E) #9	AGU# 187 WI	C-12-22-36
Chevron	W. A. Ramsay (NCT-A) #5	AGU# 134 WI	I-35-21-36
Conoco	Lockhart B-1 Federal #1	AGU# 158 WI	E-1-22-36
Marathon	McDonald State AC 2 #13	AGU# 222 WI	C-13-22-36
OXY USA	State "N" #2	AGU# 171 WI	K-2-22-36



FRESH WATER WELL LOCATIONS



- ▲ WELLS REGISTERED W/STATE & SAMPLED
- NON REGISTERED & SAMPLED WELLS
- WELLS REGISTERED BUT INACTIVE OR NOT FOUND

P. O. BOX 1468
 MONAHAN, TEXAS 79756
 PH. 943-3234 OR 563-1040

Martin Water Laboratories, Inc.

709 W. INDIANA
 MIDLAND, TEXAS 79701
 PHONE 683-4521

RESULT OF WATER ANALYSES

LABORATORY NO. 1090250
 TO: Mr. Stan Chapman SAMPLE RECEIVED 10-25-90
P. O. Box 1150, Midland, TX 79702 RESULTS REPORTED 11-1-90

COMPANY Chevron U.S.A., Inc. LEASE Arrowhead Grayburg Unit "C"
 FIELD OR POOL Arrowhead
 SECTION 18 BLOCK _____ SURVEY T-22S & R37E COUNTY Lea STATE NM

SOURCE OF SAMPLE AND DATE TAKEN:

- NO. 1 Raw water - taken from Northern Natural Gas Water Well.
- NO. 2 _____
- NO. 3 _____
- NO. 4 _____

REMARKS:

CHEMICAL AND PHYSICAL PROPERTIES				
	NO. 1	NO. 2	NO. 3	NO. 4
Specific Gravity at 60° F.	1.0028			
pH When Sampled				
pH When Received	9.43			
Bicarbonate as HCO ₃	124			
Supersaturation as CaCO ₃				
Undersaturation as CaCO ₃				
Total Hardness as CaCO ₃	112			
Calcium as Ca	2			
Magnesium as Mg	26			
Sodium and/or Potassium	644			
Sulfate as SO ₄	805			
Chloride as Cl	344			
Iron as Fe	0.36			
Barium as Ba				
Turbidity, Electric				
Color as Pt				
Total Solids, Calculated	1,999			
Temperature °F.				
Carbon Dioxide, Calculated				
Dissolved Oxygen.				
Hydrogen Sulfide	0.0			
Resistivity, ohms/m at 77° F.	3.33			
Suspended Oil				
Filtrable Solids as mg/l				
Volume Filtered, ml				
Carbonate, as CO ₃	53			
Nitrate, as N	0.7			

Results Reported As Milligrams Per Liter

Additional Determinations And Remarks The undersigned certifies the above to be true and correct to the best of his knowledge and belief.

By Waylan C. Martin
 Waylan C. Martin, M.A.

RESULT OF WATER ANALYSES

LABORATORY NO. 1090249
 TO: Mr. Stan Chapman SAMPLE RECEIVED 10-25-90
P. O. Box 1150, Midland, TX 79702 RESULTS REPORTED 11-1-90

COMPANY Chevron U.S.A., Inc. LEASE Arrowhead Grayburg Unit "O"
 FIELD OR POOL Arrowhead
 SECTION 17 BLOCK _____ SURVEY T-22S & R-37E COUNTY Lea STATE NM

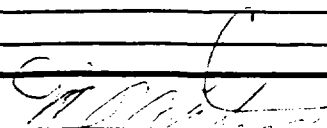
SOURCE OF SAMPLE AND DATE TAKEN:
 NO. 1 Raw water - taken from water well.
 NO. 2 _____
 NO. 3 _____
 NO. 4 _____

REMARKS:

CHEMICAL AND PHYSICAL PROPERTIES				
	NO. 1	NO. 2	NO. 3	NO. 4
Specific Gravity at 60° F.	1.0024			
pH When Sampled				
pH When Received	7.82			
Bicarbonate as HCO ₃	259			
Supersaturation as CaCO ₃				
Undersaturation as CaCO ₃				
Total Hardness as CaCO ₃	520			
Calcium as Ca	118			
Magnesium as Mg	54			
Sodium and/or Potassium	269			
Sulfate as SO ₄	155			
Chloride as Cl	518			
Iron as Fe	0.14			
Barium as Ba				
Turbidity, Electric				
Color as Pt				
Total Solids, Calculated	1,373			
Temperature °F.				
Carbon Dioxide, Calculated				
Dissolved Oxygen				
Hydrogen Sulfide	0.0			
Resistivity, ohms/m at 77° F.	4.55			
Suspended Oil				
Filtrable Solids as mg/l				
Volume Filtered, ml				
Nitrate, as N	1.6			

Results Reported As Milligrams Per Liter

Additional Determinations And Remarks The undersigned certifies the above to be true and correct to the best of his knowledge and belief.

By 
 Waylan C. Martin, M.A.

RESULT OF WATER ANALYSES

TO: Mr. Stan Chapman LABORATORY NO. 1090248
P. O. Box 1150, Midland, TX 79702 SAMPLE RECEIVED 10-25-90
 RESULTS REPORTED 11-1-90

COMPANY Chevron U.S.A., Inc. LEASE Arrowhead Grayburg Unit "N"
 FIELD OR POOL Arrowhead
 SECTION 5 BLOCK _____ SURVEY T-22S & R-37E COUNTY Lea STATE NM

SOURCE OF SAMPLE AND DATE TAKEN:

- NO. 1 Raw water - taken from windmill.
- NO. 2 _____
- NO. 3 _____
- NO. 4 _____

REMARKS:

CHEMICAL AND PHYSICAL PROPERTIES				
	NO. 1	NO. 2	NO. 3	NO. 4
Specific Gravity at 60° F.	1.0015			
pH When Sampled				
pH When Received	7.82			
Bicarbonate as HCO ₃	305			
Supersaturation as CaCO ₃				
Undersaturation as CaCO ₃				
Total Hardness as CaCO ₃	254			
Calcium as Ca	54			
Magnesium as Mg	29			
Sodium and/or Potassium	115			
Sulfate as SO ₄	98			
Chloride as Cl	108			
Iron as Fe	0.32			
Barium as Ba				
Turbidity, Electric				
Color as Pt				
Total Solids, Calculated	709			
Temperature °F.				
Carbon Dioxide, Calculated				
Dissolved Oxygen.				
Hydrogen Sulfide	0.0			
Resistivity, ohms/m at 77° F.	11.11			
Suspended Oil				
Filtrable Solids as mg/l				
Volume Filtered, ml				
Nitrate, as N	3.0			

Results Reported As Milligrams Per Liter

Additional Determinations And Remarks The undersigned certifies the above to be true and correct to the best of his knowledge and belief.

By Waylan C. Martin
 Waylan C. Martin, M.A.

RESULT OF WATER ANALYSES

TO: Mr. Stan Chapman
 P. O. Box 1150, Midland, TX 79702

LABORATORY NO. 1090247
 SAMPLE RECEIVED 10-25-90
 RESULTS REPORTED 11-1-90

COMPANY Chevron U.S.A., Inc. LEASE Arrowhead Grayburg Unit "P"
 FIELD OR POOL Arrowhead
 SECTION 2 BLOCK SURVEY T-22S & R-36E COUNTY Lea STATE NM

SOURCE OF SAMPLE AND DATE TAKEN:

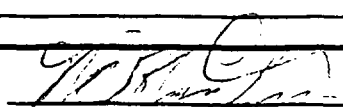
- NO. 1 Raw water - taken from Cobb windmill.
- NO. 2
- NO. 3
- NO. 4

REMARKS:

CHEMICAL AND PHYSICAL PROPERTIES				
	NO. 1	NO. 2	NO. 3	NO. 4
Specific Gravity at 60° F.	1.0034			
pH When Sampled				
pH When Received	7.35			
Bicarbonate as HCO ₃	239			
Supersaturation as CaCO ₃				
Undersaturation as CaCO ₃				
Total Hardness as CaCO ₃	775			
Calcium as Ca	172			
Magnesium as Mg	84			
Sodium and/or Potassium	459			
Sulfate as SO ₄	303			
Chloride as Cl	895			
Iron as Fe	1.7			
Barium as Ba				
Turbidity, Electric				
Color as Pt				
Total Solids, Calculated	2,153			
Temperature °F.				
Carbon Dioxide, Calculated				
Dissolved Oxygen				
Hydrogen Sulfide	0.0			
Resistivity, ohms/m at 77° F.	2.76			
Suspended Oil				
Filtrable Solids as mg/l				
Volume Filtered, ml				
Nitrate, as N	1.8			

Results Reported As Milligrams Per Liter

Additional Determinations And Remarks The undersigned certifies the above to be true and correct to the best of his knowledge and belief.

By 
 Waylan C. Martin, M.A.

RESULT OF WATER ANALYSES

TO: Mr. Stan Chapman LABORATORY NO. 119029
P. O. Box 1150, Midland, TX 79702 SAMPLE RECEIVED 11-1-90
 RESULTS REPORTED 11-9-90

COMPANY Chevron U.S.A., Inc. LEASE Arrowhead Grayburg Unit "E"
 FIELD OR POOL Arrowhead
 SECTION 31 BLOCK SURVEY T215-R37E COUNTY Lea STATE NM

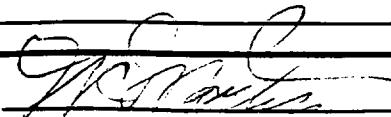
SOURCE OF SAMPLE AND DATE TAKEN:
 NO. 1 Raw water - taken from water well by stock pond by Matter "B" #14.
 NO. 2
 NO. 3
 NO. 4

REMARKS:

CHEMICAL AND PHYSICAL PROPERTIES				
	NO. 1	NO. 2	NO. 3	NO. 4
Specific Gravity at 60° F.	1.0018			
pH When Sampled				
pH When Received	7.51			
Bicarbonate as HCO ₃	293			
Supersaturation as CaCO ₃				
Undersaturation as CaCO ₃				
Total Hardness as CaCO ₃	148			
Calcium as Ca	38			
Magnesium as Mg	13			
Sodium and/or Potassium	97			
Sulfate as SO ₄	45			
Chloride as Cl	51			
Iron as Fe	1.5			
Barium as Ba				
Turbidity, Electric				
Color as Pt				
Total Solids, Calculated	536			
Temperature °F.				
Carbon Dioxide, Calculated				
Dissolved Oxygen.				
Hydrogen Sulfide	0.0			
Resistivity, ohms/m at 77° F.	16.10			
Suspended Oil				
Filtrable Solids as mg/l				
Volume Filtered, ml				
Nitrate, as N	0.2			

Results Reported As Milligrams Per Liter

Additional Determinations And Remarks The undersigned certifies the above to be true and correct to the best of his knowledge and belief.

By 
 Waylan C. Martin, M.A.

RESULT OF WATER ANALYSES

TO: Mr. Stan Chapman LABORATORY NO. 1090245
P. O. Box 1150, Midland, TX 79702 SAMPLE RECEIVED 10-25-90
 RESULTS REPORTED 11-1-90

COMPANY Chevron U.S.A., Inc. LEASE Arrowhead Grayburg Unit "D"
 FIELD OR POOL Arrowhead
 SECTION 30 BLOCK _____ SURVEY T-21S & R-37E COUNTY Lea STATE NM

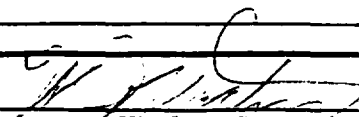
SOURCE OF SAMPLE AND DATE TAKEN:
 NO. 1 Raw water - taken from windmill.
 NO. 2 _____
 NO. 3 _____
 NO. 4 _____

REMARKS:

CHEMICAL AND PHYSICAL PROPERTIES				
	NO. 1	NO. 2	NO. 3	NO. 4
Specific Gravity at 60° F.	1.0016			
pH When Sampled				
pH When Received	7.29			
Bicarbonate as HCO ₃	239			
Supersaturation as CaCO ₃				
Uncersaturation as CaCO ₃				
Total Hardness as CaCO ₃	232			
Calcium as Ca	52			
Magnesium as Mg	19			
Sodium and/or Potassium	92			
Sulfate as SO ₄	107			
Chloride as Cl	88			
Iron as Fe	26.2			
Barium as Ba				
Turbidity, Electric				
Color as Pt				
Total Solids, Calculated	607			
Temperature °F.				
Carbon Dioxide, Calculated				
Dissolved Oxygen				
Hydrogen Sulfide	0.0			
Resistivity, ohms/m at 77° F.	12.65			
Suspended Oil				
Filtrable Solids as mg/l				
Volume Filtered, ml				
Nitrate, as N	2.3			

Results Reported As Milligrams Per Liter

Additional Determinations And Remarks The undersigned certifies the above to be true and correct to the best of his knowledge and belief.

By 
 Waylan C. Martin, M.A.

RESULT OF WATER ANALYSES

TO: Mr. Stan Chapman LABORATORY NO. 1090246
P. O. Box 1150, Midland, TX 79702 SAMPLE RECEIVED 10-25-90
 RESULTS REPORTED 11-1-90

COMPANY Chevron U.S.A., Inc. LEASE Arrowhead Grayburg Unit "M"
 FIELD OR POOL Arrowhead
 SECTION 34 BLOCK _____ SURVEY T-21S & R-36E COUNTY Lea STATE NM

SOURCE OF SAMPLE AND DATE TAKEN:
 NO. 1 Raw water - taken from windmill.
 NO. 2 _____
 NO. 3 _____
 NO. 4 _____

REMARKS:

CHEMICAL AND PHYSICAL PROPERTIES				
	NO. 1	NO. 2	NO. 3	NO. 4
Specific Gravity at 60° F.	1.0020			
pH When Sampled				
pH When Received	8.75			
Bicarbonate as HCO ₃	378			
Supersaturation as CaCO ₃				
Undersaturation as CaCO ₃				
Total Hardness as CaCO ₃	14			
Calcium as Ca	3			
Magnesium as Mg	1			
Sodium and/or Potassium	256			
Sulfate as SO ₄	115			
Chloride as Cl	21			
Iron as Fe	0.58			
Barium as Ba				
Turbidity, Electric				
Color as Pt				
Total Solids, Calculated	842			
Temperature °F.				
Carbon Dioxide, Calculated				
Dissolved Oxygen.				
Hydrogen Sulfide	0.0			
Resistivity, ohms/m at 77° F.	9.58			
Suspended Oil				
Filtrable Solids as mg/l				
Volume Filtered, ml				
Carbonate, as CO ₃	67			
Nitrate, as N	0.2			

Results Reported As Milligrams Per Liter

Additional Determinations And Remarks The undersigned certifies the above to be true and correct to the best of his knowledge and belief.

By Waylan C. Martin
 Waylan C. Martin, M.A.

RESULT OF WATER ANALYSES

TO: Mr. Stan Chapman LABORATORY NO. 1090244
P. O. Box 1150, Midland, TX 79702 SAMPLE RECEIVED 10-25-90
 RESULTS REPORTED 11-1-90

COMPANY Chevron U.S.A., Inc. LEASE Arrowhead Grayburg Unit "G"
 FIELD OR POOL Arrowhead
 SECTION 25 BLOCK _____ SURVEY T-21S & R-36E COUNTY Lea STATE NM

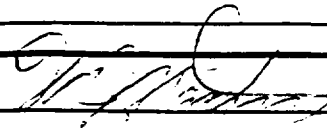
SOURCE OF SAMPLE AND DATE TAKEN:
 NO. 1 Raw water - taken from Northern Natural Gas Water Well.
 NO. 2 _____
 NO. 3 _____
 NO. 4 _____

REMARKS:

CHEMICAL AND PHYSICAL PROPERTIES				
	NO. 1	NO. 2	NO. 3	NO. 4
Specific Gravity at 60° F.	1.0018			
pH When Sampled				
pH When Received	6.71			
Bicarbonate as HCO ₃	307			
Supersaturation as CaCO ₃				
Undersaturation as CaCO ₃				
Total Hardness as CaCO ₃	310			
Calcium as Ca	79			
Magnesium as Mg	27			
Sodium and/or Potassium	114			
Sulfate as SO ₄	99			
Chloride as Cl	143			
Iron as Fe	0.29			
Barium as Ba				
Turbidity, Electric				
Color as Pt				
Total Solids, Calculated	771			
Temperature °F.				
Carbon Dioxide, Calculated				
Dissolved Oxygen,				
Hydrogen Sulfide	0.0			
Resistivity, ohms/m at 77° F.	9.70			
Suspended Oil				
Filtrable Solids as mg/l				
Volume Filtered, ml				
Nitrate, as N	0.3			

Results Reported As Milligrams Per Liter

Additional Determinations And Remarks The undersigned certifies the above to be true and correct to the best of his knowledge and belief.

By 
 Waylan C. Martin, M.A.

RESULT OF WATER ANALYSES

TO: Mr. Stan Chapman LABORATORY NO. 1090251
P. O. Box 1150, Midland, TX 79702 SAMPLE RECEIVED 10-25-90
 RESULTS REPORTED 11-1-90

COMPANY Chevron U.S.A., Inc. LEASE Arrowhead Grayburg Unit "H"
 FIELD OR POOL Arrowhead
 SECTION 23 BLOCK _____ SURVEY T-21S & R-36E COUNTY Lea STATE NM

SOURCE OF SAMPLE AND DATE TAKEN:

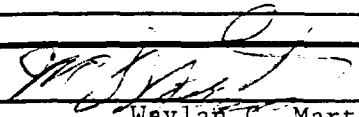
- NO. 1 Raw water - taken from City of Eunice water well (middle).
- NO. 2 Raw water - taken from City of Eunice water well (North).
- NO. 3 Raw water - taken from City of Eunice water well (South).
- NO. 4 _____

REMARKS:

CHEMICAL AND PHYSICAL PROPERTIES				
	NO. 1	NO. 2	NO. 3	NO. 4
Specific Gravity at 60° F.	1.0015	1.0016	1.0014	
pH When Sampled				
pH When Received	7.35	7.50	7.42	
Bicarbonate as HCO ₃	268	268	342	
Supersaturation as CaCO ₃				
Undersaturation as CaCO ₃				
Total Hardness as CaCO ₃	212	200	220	
Calcium as Ca	52	50	67	
Magnesium as Mg	20	18	13	
Sodium and/or Potassium	93	86	96	
Sulfate as SO ₄	90	83	41	
Chloride as Cl	70	57	75	
Iron as Fe	0.11	0.11	0.11	
Barium as Ba				
Turbidity, Electric				
Color as Pt				
Total Solids, Calculated	594	562	635	
Temperature °F.				
Carbon Dioxide, Calculated				
Dissolved Oxygen.				
Hydrogen Sulfide	0.0	0.0	0.0	
Resistivity, ohms/m at 77° F.	13.50	14.86	13.30	
Suspended Oil				
Filtrable Solids as mg/l				
Volume Filtered, ml				
Nitrate, as N	2.1	2.8	0.7	

Results Reported As Milligrams Per Liter

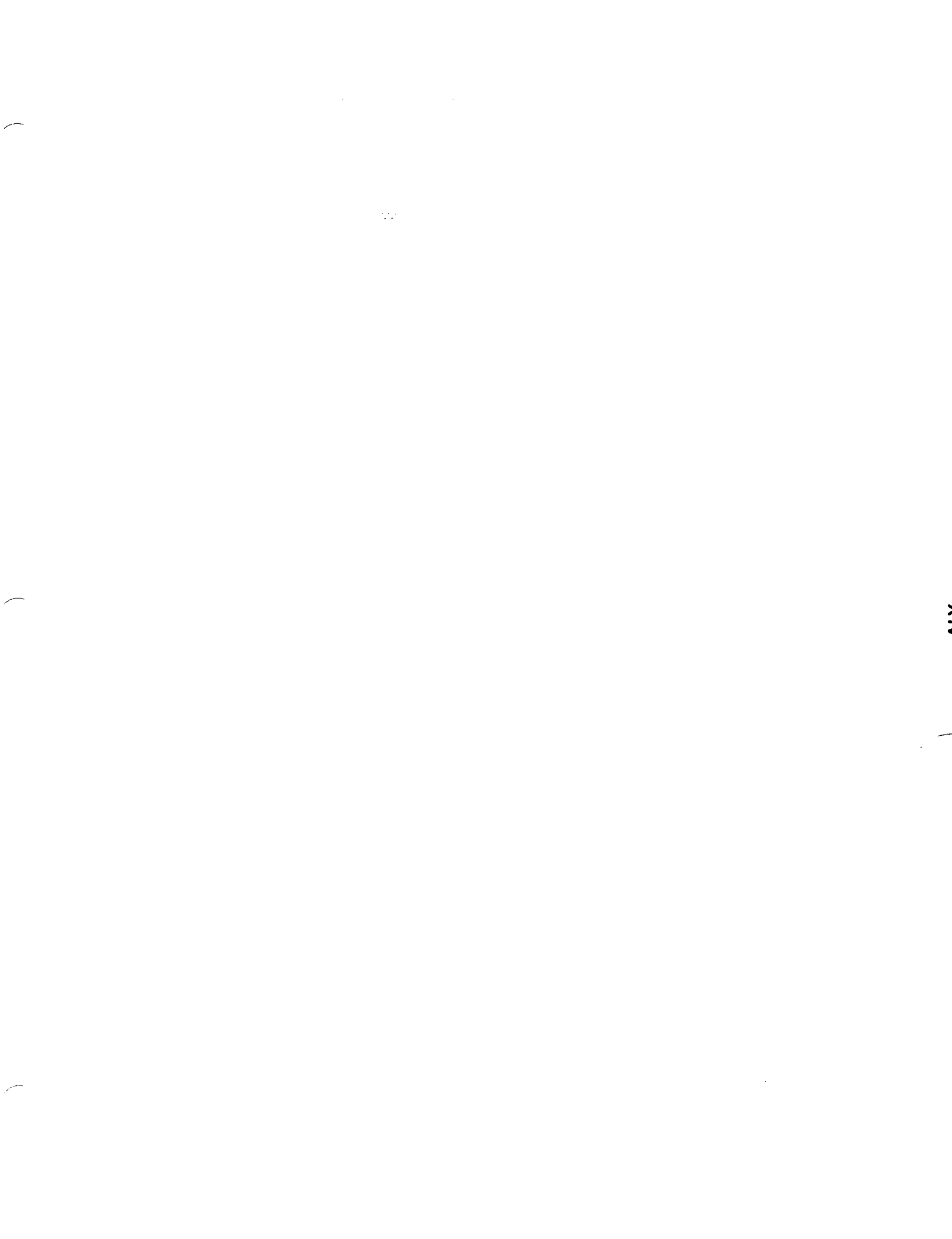
Additional Determinations And Remarks The undersigned certifies the above to be true and correct to the best of his knowledge and belief.

By 
 Waylan C. Martin, M.A.



PROPOSED ARROWHEAD GRAYBURG UNIT
LEA COUNTY, NEW MEXICO

Chevron U.S.A., Inc. has examined available geological and engineering data and finds no evidence of open faults or any other hydrologic connection between the disposal zone and any underground source of drinking water.





Chevron U.S.A. Inc.
P.O. Box 1150, Midland, TX 79702

Permian Basin Production Business Unit

February 12, 1991

Certified Mail

NOTICE

Application of Chevron U.S.A. Inc.
For Authorization to Inject, Pool
Extension and Contractions, and
Statutory Unitization
Lea County, New Mexico

Surface Land Owners, Offset Operators,
and Working Interest Owners
Proposed Arrowhead Grayburg Unit

Notice:

Chevron U.S.A. Inc. has scheduled a hearing with the New Mexico Oil Conservation Division (OCD) on March 7, 1991, in Santa Fe, New Mexico, for Statutory Unitization for enhanced recovery operations, Pool Extension and Contraction, and Authorization to Inject into the proposed Arrowhead Grayburg Unit, Lea County, New Mexico.

Please find the attached supporting documentation for the application:

- 1) OCD Form C-108, Application for Injection
- 2) Map showing the proposed Arrowhead Grayburg Unit and surrounding area.
- 3) Application of Chevron U.S.A. Inc. for Statutory Unitization for the Arrowhead Grayburg Unit, Lea County, New Mexico.
- 4) Application of Chevron U.S.A. Inc. for Pool Extension and Contraction, Lea County, New Mexico.

This notification requires no action on your part; however, you have the right to file objection to said applications and appear at the hearing, either in support or opposition to the applications. Failure to appear or otherwise become a party of record will preclude you from challenging these applications at a later date. If you plan to make an appearance at the hearing

February 12, 1991

you should file a Pre-hearing Statement with the OCD in Santa Fe by 4:00 p.m. on Friday, March 1, 1991.

If you have any questions or require additional information, please contact B. C. Cotner at (915) 687-7314.

Yours very truly,



D. G. Simolke

BCC/db
PSF10206.05L

Attachments

STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT
OIL CONSERVATION DIVISION

APPLICATION OF CHEVRON U.S.A., INC.,
FOR AUTHORITY TO INSTITUTE A
WATERFLOOD PROJECT FOR THE
ARROWHEAD GRAYBURG UNIT,
LEA COUNTY, NEW MEXICO

RECEIVED

FEB 14 1981

OIL CONSERVATION DIVISION

CASE NO.

A P P L I C A T I O N

CHEVRON U.S.A., INC. ("CHEVRON") hereby applies to the New Mexico Oil Conservation Division for an order authorizing Chevron to institute a waterflood project for the Arrowhead Grayburg Unit, Lea County, New Mexico, and in support of its application states:

1. Chevron U.S.A., Inc. is a Delaware corporation authorized to transact business in the State of New Mexico, and is engaged in the business of, among other things, producing and selling oil and gas.

2. The proposed area (the "Project Area") for which application is made is known as the Arrowhead Grayburg Unit and consists of 5922.26 acres, more or less, in Lea County, New Mexico, and is more particularly shown in Exhibit "A" attached hereto and incorporated herein by

reference. Chevron proposes to seek an order pursuant to the New Mexico Statutory Unitization Act providing for the unitized management, operation and further development of the Project Area.

3. By converting certain presently producing wells to water injection wells and by drilling new water injection wells, Chevron proposes to inject fluids into the producing interval which shall include the formations which extend from an upper limit being the top of the Grayburg formation or -150 feet subsea, whichever is shallower, to a lower limit being a depth of 1,500 feet below sea level. The top of the Grayburg formation for unitization purposes is defined as that point at 3,671 feet in the Chevron Harry Leonard (NCT-C) No. 20 well (located 660 feet from the North line and 990 feet from the West line of Section 36, T21S, R36E, Lea County, New Mexico) as recorded by the Gearhart Compensated Neutron Log measured from the Kelly Drive Bushing elevation of 3,532 feet and dated February 25, 1985, save and except the following: Southwest Eunice San Andres Pool in the SE/4 of Section 18, T22S, R37E, and N/2N/2 of Section 19, T22S, R37E, Lea County, New Mexico, the top of which, for unitization purposes, occurs at 3,804 feet below the Kelly Drive Bushing on the Dresser Atlas Compensated Density Neutron Log dated August 16, 1978 on the Zia (Exxon) New Mexico "M" No. 49 well which is located 2,610 feet from

the South line and 2,310 feet from the East line of Section 18, T22S, R37E, Lea County, New Mexico. A copy of the logs for said wells on said dates are attached hereto and incorporated herein by reference as Exhibit "B".

4. Also attached hereto and incorporated herein by reference as Exhibit No. "C" is a Well Status Map of the Arrowhead Grayburg Unit Area showing the location and current status of all wells and leases located within the project area as well as those that are located within a two mile radius of the Unit Area. It also shows the proposed injection wells within the Unit. Also attached hereto and incorporated herein by reference is Exhibit "D" which is a map of the Arrowhead Grayburg Unit which shows the proposed well numbering system and the proposed Unit injection wells. Regarding both Exhibit "C" and Exhibit "D" and attached hereto and incorporated herein by reference as Exhibit "E" is a computer printout relating current and proposed well data on each individual well within the Unit Area.

5. Diagrammatic sketches illustrating the wellbore configurations typical of the majority of the proposed injection wells and showing the manner in which the wells will be equipped for injection are attached hereto and incorporated herein by reference as Exhibit "F". All the available well logs of the proposed injection wells are currently on file with the Oil Conservation Division.

Attached hereto and incorporated herein by reference as Exhibit "G" is a list of those injection wells for which well logs are not available.

6. Well data sheets and schematic diagrams on all wells located within one-half mile radius of the proposed injection wells showing all casing strings, setting depths, sacks of cement used, cement tops, total depth, producing interval, well identification, and location are attached hereto and incorporated herein by reference as Exhibit "H". Included in this attachment are schematics of all plugged and abandoned wells located within a one-half mile radius of the proposed injection wells.

7. Initially, water to be used for injection for the waterflood project will come from the San Andres and Grayburg formations. As production increases, and the number of injection wells, it is expected that produced water will become the primary source of injected water, supplemented by water from the San Andres formation.

8. Water is to be injected at a surface pressure not to exceed 0.2 psi per foot of depth to the top of the injection zone provided that surface pressure in excess of 0.2 psi per foot of depth to injection zone may be applied upon administrative approval of the Director of the Oil

Conservation Division after showing that such higher pressure will not result in fracturing of the confining strata.

9. Furthermore, filed with this application is Division Form C-108 with attachments, which is incorporated herein by reference as Exhibit "I".

10. A copy of this application has been sent to the parties entitled to notice as required by Division rules as set forth on Exhibit "J" attached hereto.

11. Approval of this application for the Arrowhead Grayburg Unit waterflood project will substantially increase recoverable reserves thereby preventing waste.

WHEREFORE, Chevron respectfully requests that this application be set for hearing before the Oil Conservation Division at the earliest practicable date and that the Division enter its order approving the waterflood project for the Arrowhead Grayburg Unit.

Respectfully submitted,

KELLAHIN, KELLAHIN & AUBREY

By: 

W. Thomas Kellahin
Post Office Box 2265
Santa Fe, New Mexico 87504
(505) 982-4285

ATTORNEYS FOR CHEVRON U.S.A., INC.

EXHIBIT "A"

T21S, R36E

Section 25: All
Section 26: SE/4SE/4
Section 35: E/2; E/2SW/4; SW/4SW/4; SE/4NW/4
Section 36: All

T22S, R36E

Section 1: All
Section 2: All
Section 11: NE/4NW/4; NE/4; NE/4SE/4
Section 12: All
Section 13: E/2; E/2NW/4; NW/4NW/4; NE/4SW/4
Section 24: NE/4NE/4

T22S, R37E

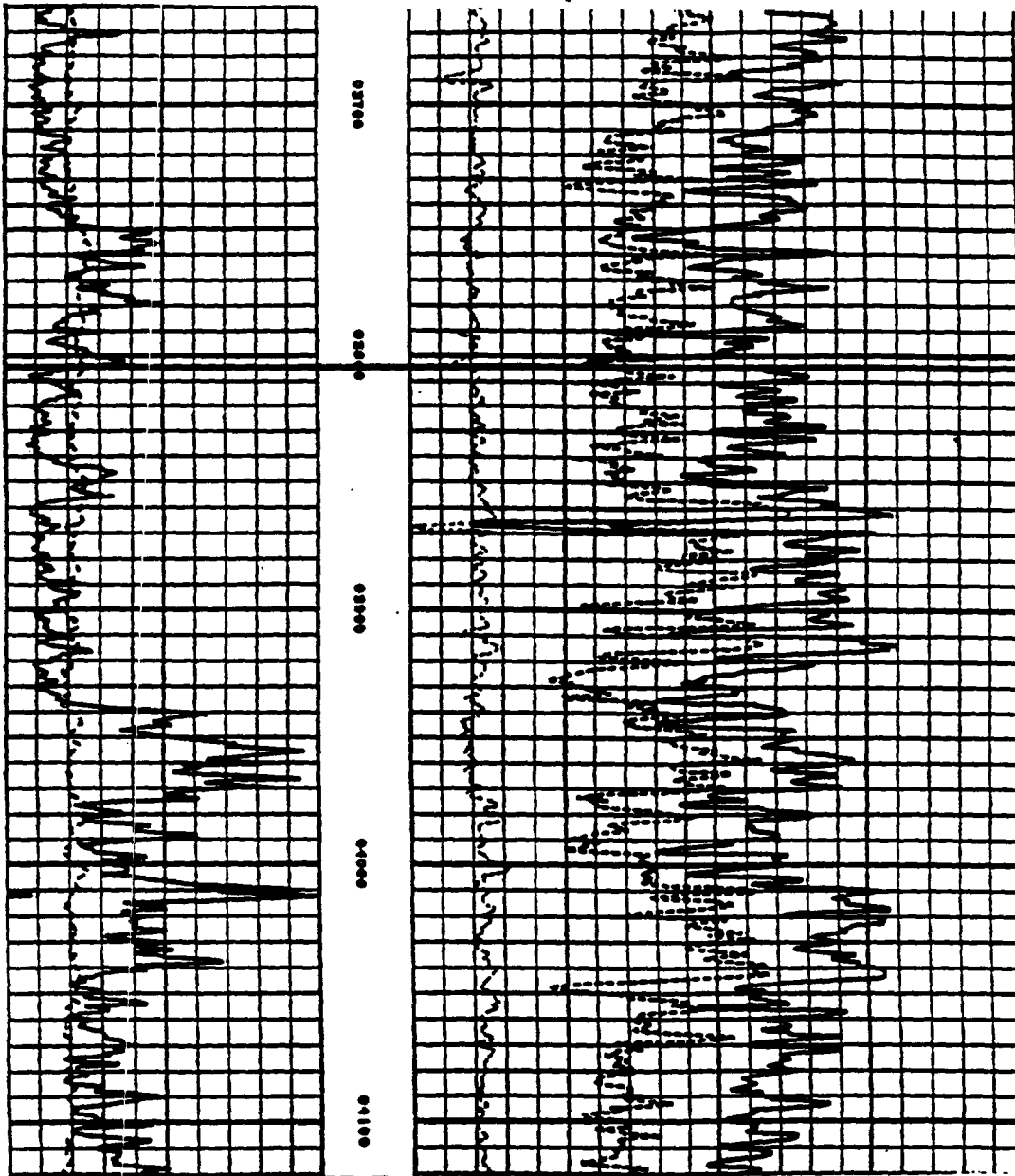
Section 6: W/2NW/4; SW/4
Section 7: W/2; S/2SE/4; NW/4SE/4
Section 18: All
Section 19: N/2N/2

TYPE LOG

Southwest Eunice - San Andres Pool Exxon New Mexico State 'M' # 49

Section 18, T-22-S, R-37-E

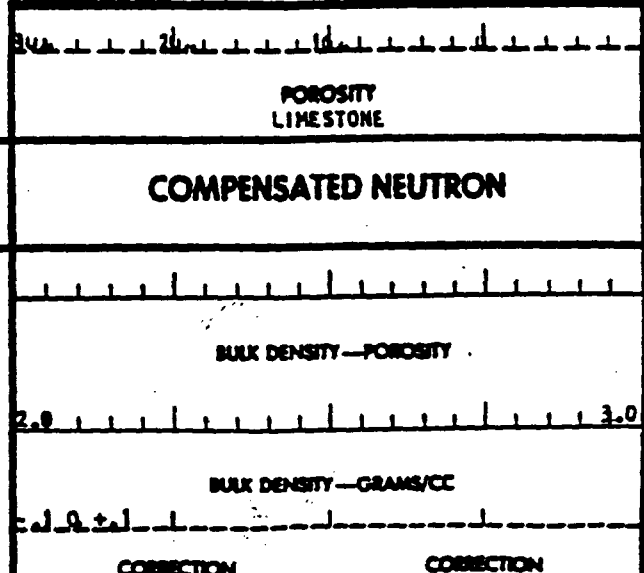
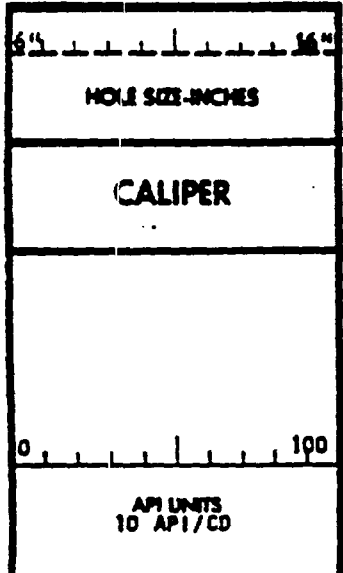
Lea County, New Mexico



T/SAN ANDRES

MD = 3804'

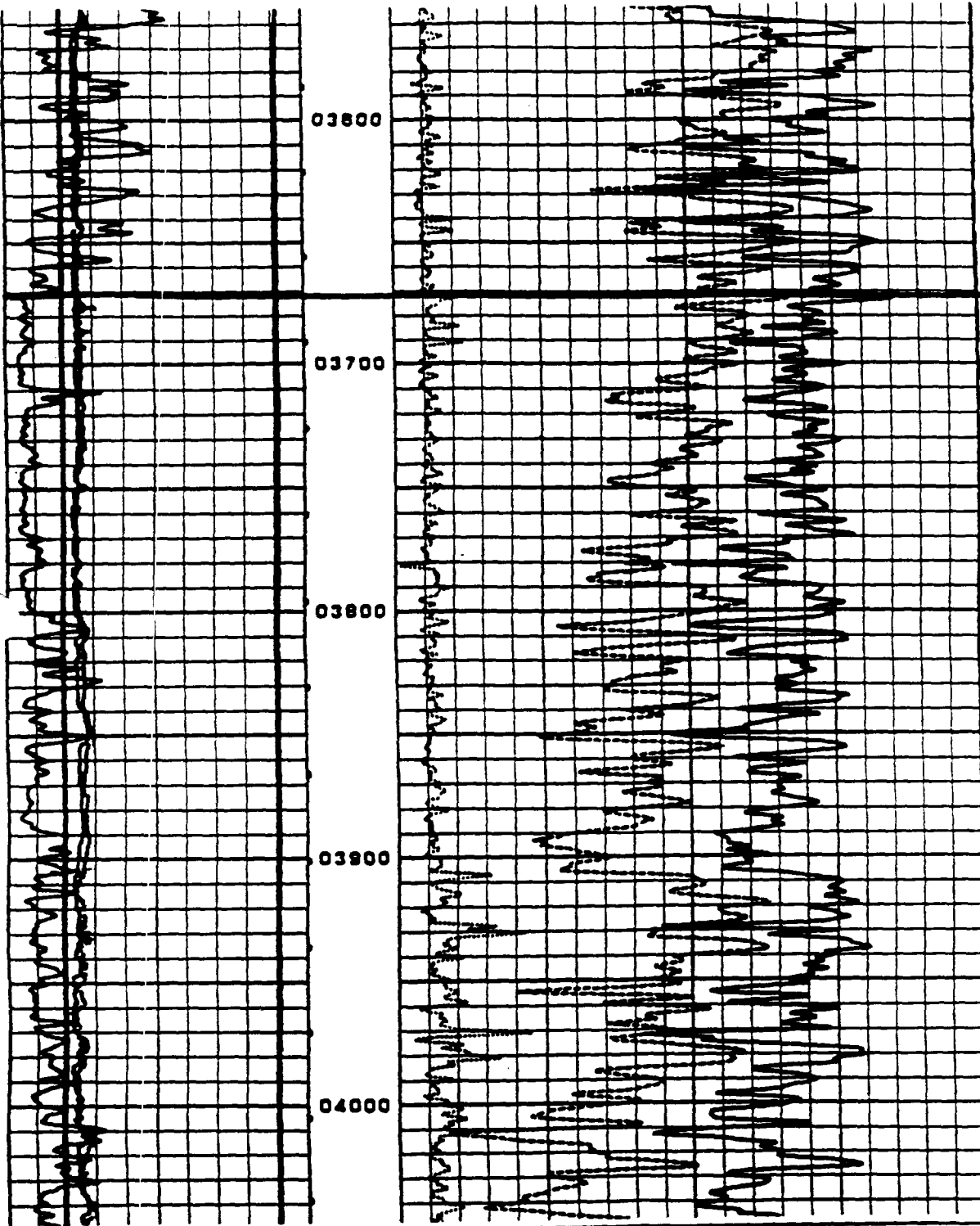
(-377'SS)



Arrowhead Grayburg

Chevron (Gulf) Harry Leonard (NCT-C) # 20

Section 36, T-21-S, R-36-E
Lea County, New Mexico



T/GRAYBURG

MD = 3671'

(-139'SS)

8	BIT SIZE	18			
150	GR API	300	-0.05	ΔP	0.45
8	Y - CAL	18	70	φ (CNS)	30
8	X - CAL	18	30	φ (CNS)	-10
0	GR API	150	2	ρ (B)	3

Proposed Arrowhead Grayburg Unit

Proposed Injection Pattern and Well Numbering Scheme

R-36-E

R-37-E

**T
21
S**

**T
22
S**

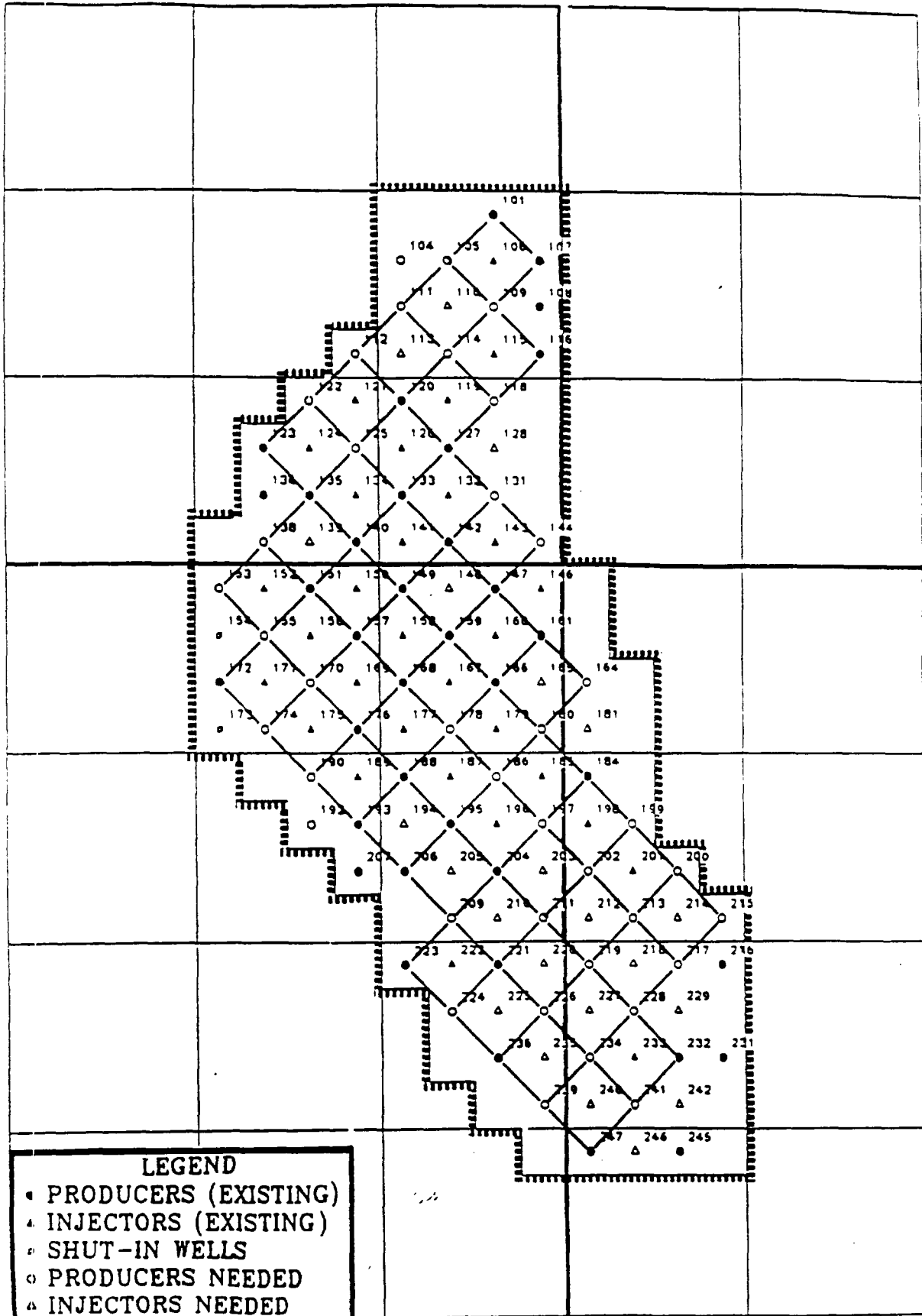


EXHIBIT D

AGU C-108
FEDERAL AND STATE AGENCIES

UNITED STATES DEPT OF INTERIOR
BUREAU OF LAND MANAGEMENT
ROSWELL DISTRICT OFFICE
ATTN MR ARMONDO LOPEZ
P O BOX 1397
ROSWELL NEW MEXICO 88201

STATE OF NEW MEXICO
COMMISSIONER OF PUBLIC LANDS
ATTN MR FLOYD PRONDO
P O BOX 1148
SANTA FE NEW MEXICO 87504

STATE OF NEW MEXICO
DEPARTMENT OF ENERGY AND MINERALS
OIL CONSERVATION DIVISION DISTRICT 1
ATTN MR JERRY SEXTON
P O BOX 1980
HOBBS NEW MEXICO 88240

AGU C-108
OFFSET OPERATORS

JACK MARKHAM
1500 BROADWAY
SUITE 1212
LUBBOCK TEXAS 79401

DALLAS MCCASLAND
BOX 206
EUNICE, NEW MEXICO 88231

TAHOE ENERGY
3909 W INDUSTRIAL
MIDLAND TEXAS 79703

TEXACO PRODUCING COMPANY
BOX 3109
MIDLAND TEXAS 79702

ZIA ENERGY
BOX 2219
HOBBS NEW MEXICO 88240

UNITED STATES DEPT OF INTERIOR
BUREAU OF LAND MANAGEMENT
DEWELL DISTRICT OFFICE
ATTN MR ARMONDO LOPEZ
P O BOX 1397
DEWELL NEW MEXICO 88261

STATE OF NEW MEXICO
COMMISSIONER OF PUBLIC LANDS
ATTN MR FLOYD PRONDO
P O BOX 1148
SANTA FE NEW MEXICO 87504

GEORGE W BROWNLEE EDGIE B
DORIS B NEAL/GEORGE D
LOUIS B DIGGLES/ALFRED E
10023 OLYMPIA ST
HOUSTON TX 77042

GEORGE W BROWNLEE/EDGIE B
DORIS B NEAL/GEORGE D
LOUIS B DIGGLES/ALFRED E
10023 OLYMPIA ST
HOUSTON TX 77042

NORTHERN NATURAL GAS CO
ONE PETROLEUM CENTER BLDG 6
3300 NORTH A ST SUITE 205
MIDLAND TX 79705

CITY OF EUNICE
BOX 147
EUNICE NEW MEXICO 88231

L PASO NATURAL GAS CO
600 PETROLEUM CENTER SUITE 200
NORTH A AT WADLEY
MIDLAND TX 79701

AMOCO PRODUCTION CO
501 WEST LAKE BLVD
HOUSTON TX 77253

COMMERCE BANK OF KANSAS CITY N.A.
TRUSTEE LINWOOD TRUST SECURITIES TRUST
BOX 419248
KANSAS CITY MO 64141

MAIN STREET HOLDING COMPANY
RICE BLDG
WEST 39TH STREET
KANSAS CITY MO 64141

MACK W WOOLDRIDGE
P O DRAWER 1846
ALBANY TX 76430

CHARLES H PRICE AGENT
NYMEYER PROPERTY
ONE W ARMOUR BLVD
KANSAS CITY MO 64111

VIRGINIA OGDEN PRICE
C/O CHARLES H PRICE AGENT
NYMEYER PROPERTY
ONE W ARMOUR BLVD
KANSAS CITY MO 64111

HARRY F MONTGOMERY
C/O CHARLES H PRICE AGENT
NYMEYER PROPERTY
ONE W ARMOUR BLVD
KANSAS CITY MO 64111

DAVID E PRICE
C/O CHARLES H PRICE AGENT
NYMEYER PROPERTY
ONE W ARMOUR BLVD
KANSAS CITY MO 64111

EDWARD C PRICE
C/O CHARLES H PRICE AGENT
NYMEYER PROPERTY
ONE W ARMOUR BLVD
KANSAS CITY MO 64111

BYRDE S PRICE
C/O CHARLES H PRICE AGENT
NYMEYER PROPERTY
ONE W ARMOUR BLVD
KANSAS CITY MO 64111

MAPLE DUNBAR EARP
C/O CHARLES H PRICE AGENT
NYMEYER PROPERTY
ONE W ARMOUR BLVD
KANSAS CITY MO 64111

COLONIAL SECURITIES CO
STATE STREET BANK
QUINCY IL 62301

NCNB FT WORTH TRUSTEE FOR
THE ESTATE OF MILLARD DECK DEC
P O BOX 81294
DALLAS TX 75381

PSP/01206.09

AGU-C108
SURFACE OWNERS

Abby Corporation
P. O. Box 1629
Grand Junction, CO 81502
WI 1

American Exploration
2100 Republic Bank
700 Louisiana
Houston, Texas 77002
Attn: Bill Hayes

Amerasia Resources Corporation
Box 2040
Tulsa, OK 74102
Attn: J. C. Hefley
WI 3

Amoco Production Co.
3092
Houston, TX 77253
Attn: J. C. Allen
WI 4

Arco Oil and Gas Company
Box 1610
Midland, TX 79702
Attn: R. D. Johnston

Gregory J. Brose
6100 Beckworth Court
Parker CO 80134
WI 6

John R. Brose
3000 Claydesta Nat. Bank
Midland, Texas 79705
WI 7

Thomas A. & Sharon P. Brose
3 Colonial Court
Lufkin, Texas 75901
WI 8

Trust U/D Donaldson Brown
c/o Broventure Co., Inc.
16 West Madison Street
Baltimore, MD 21201
Attn: Donald Hughes

John R. Bryant
911 West Silver
Hobbs, NM 88240
WI 10

Andrew B. Burleson
2823 Cimmaron Dr.
Midland, TX 79705
WI 11

James E. Burr
3803 Wedgewood Ct.
Midland, TX 79707-4705
WI 12

Chevron U.S.A. Inc
P. O. Box 1150
Midland, TX 79702
Attn: R. C. Anderson
WI 13

Conoco, Inc.
10 Desta Dr.
Midland, TX 79705
Attn: Jerry Hoover
WI 14

Larry A. Cress
3702 Bermuda Court
Midland, TX 79707
WI 15

DASCO Energy Corp.
Drawer 2545
Hobbs, NM 88240
16

El Paso Natural Gas Co.
One Petroleum Center
Midland, TX 79701
WI 18

ENRON
P. O. Box 2267
Midland, TX 79702
WI 19

Exxon Company
P. O. Box 1700
Midland, TX 79702
Attn: R. R. Hickman
WI 20

Barbara Hannifin
P. O. Box 182
Roswell, NM 88201
WI 22

Kim D. Jones
4000 Dyer Circle
Midland, TX 79705
WI 23

Randy M. Kidwell
4204 Crestrige
Midland, TX 79707-2732
WI 24

L. Paul Latham
6500 Claydesta National Bank
Midland, TX 79705
WI 25

Marathon Oil Company
P. O. Box 552
Midland, TX 79702
Attn: R. F. Unger
WI 26

G. T. McAlpin
P. O. Box 49
Cuero, TX 77954-0049
WI 27

Lora B. McAlpin
900 Ethel Blvd
Bryan, TX 77802-1707
WI 28

McBride Oil & Gas
Hanson McBride Petroleum Co.
P. O. Box 1515
Roswell, NM 88201
WI 29

Meridian Oil Producing
21 Desta Drive
Midland, TX 79705
Attn: Dennis Sledge
WI 30

The Moore Trust
P. O. Box 1733
Midland, TX 79702
WI 31

Thomas H. Moore
#3 Cambridge Court
Midland, TX 79705
WI 32

David Mussett
Arion Mussett
14 W. Texas Avenue Suite 604
Midland, TX 79701
I 33

Larry Nermyr
HC-37 Box 4106
Sidney, MT 59270
WI 34

Nuevo Seis, Inc.
P. O. Box 182
Roswell, NM 88202-1515
WI 35

U.S.A.
Box 50250
Midland, TX 79710
Attn: Robert D. Hunt
I 36

Para Mia
Borrego Properties, Inc.
P. O. Box 2541
Midland, TX 79702
WI 37

Aubrey C. Price
700 Meadowpark Dr.
Midland, TX
WI 38

Scott Ramsey
302 Lawson
Midland, TX 79701
I 39

Hal J. Rasmussen
Operating Inc.
6 Desta Drive Suite 5850
Midland, TX 79705
Attn: Hal Rasmussen

Bernard G. Scott
3002 Goddard Place
Midland, TX 79705
WI 41

uth Sutton
826 Moss Avenue
Midland, TX 79705
I 42

Burton Veteto
607 Abo
Hobbs, NM 88240
WI 43

Mary F. Walsh
c/o Walsh & Watts
1111 Seventh Street
Wichita Falls, TX 76301
WI 44

elco Development Company
ock Box 70
00 N. Ackard Street
allas, TX 75201-3394

Gary C. Burnett, Trustee of
Jefferson W. Gataga and
Chicora M. Williams Trusts
P. O. Box 10909
Midland, TX 79702

The Williams Partnership
6 Desta Drive Suite 5800
Midland, TX 79705
WI 48

James W. Winkel
101 Woodlawn
land, TX 79701
49

Celia A. Zinn
2603 Hughes
Midland, TX 79705
WI 50

PSP01116.17/mc