

PLANNED PROJECTS

TABLE A

Type and operator	Field	Location	Pay zone	Size, acres	Depth, ft	Gravity, °API	Start date
CO₂ immiscible							
Anadarko	Salt Creek	Wyo.	Wall Creek 1 (Frontier)	600	1,600	35	1/2010
Core Energy	Niagaran "A"	Otsego, Mich.	Brown Niagaran	120	5,700	43	2011
Core Energy	Niagaran "B"	Otsego, Mich.	Brown Niagaran	140	5,700	43	2012
Core Energy	Chester 5	Otsego, Mich.	Silurian-A1/Niagaran	2,011	100	2	11/10
Kinder Morgan	Katz, East River Unit	King County, Tex.	Strawn	1,340	4,800	39	12/10
Kinder Morgan	Katz, CB Long & SW River Unit	Stonewall County, Tex.	Strawn	4,295	4,800	39	12/10
Occidental	North Dollarhide	Andrews County, Tex.	Clearfork	270	6,500	40	2011
Occidental	Southeast Levelland Unit	Hockley County, Tex.	San Andres	1,260	4,900	34	2010
Whiting Petroleum	Northeast Hardesty	Texas County, Okla.	Morrow		6,350	39.6	10/11
CO₂ miscible							
Denbury	Delhi	Richland Parish, La.	Holt-Bryant	8,000	3,300	42	11/10
Denbury	West Hastings	Brazoria County, Tex., Galveston County, Tex.	Frio	1,455	5,700	35	12/10
Denbury	Oyster Bayou	Chambers County, Tex.	Frio	3,900	8,200	36	05/10
Steam							
MegaWest	Deerfield	Vernon County, Mo.	Warner	40	250	17.6	1/11
MegaWest	Riverside	Butler County, Ky.	Big Clifty	10	650	10	5/12
NAM	Schoonebeek	Drenthe, Netherlands	Bentheim	1,700	2,625	25	10/10
PDVSA	Bare	Venezuela, Anzoategui	MFB 53/U2,3	1,200	2,650	9.8	4/10
Wintershall	Emlichheim Block 11	Germany/Lower Saxony/ Graftschaft Bentheim/ Emlichheim	Valanginian	35	2,500- 2,700	25	2011
Wintershall	Emlichheim Block 4	Germany/Lower Saxony/ Graftschaft Bentheim/ Emlichheim	Valanginian	320	2,500- 2,700	25	2012
Polymer							
Wintershall	Bockstedt	Lower Saxony, Germany	Valanginian	1	3,600- 4,300	24	2010
Petrobras	Papa Terra		Cretaceous				
Combustion							
Petrobras	Rio Preto Oeste	Brazil onshore	Mucuri	1,045	3,380	17	2012

Producing Thermal EOR in US										
Type and operator	Field	State	County	Start date	Area, acres	No. wells prod.	No. wells inj.	Pay zone	Formation	Porosity, %
Steam										
Aera Energy	South Belridge	Calif.	Kern	1961	6,200	1,600	400	Tulare	US	35
Aera Energy	South Belridge	Calif.	Kern	1995	155	350	245	Diatomite Opal A	Tripol.	60
Aera Energy	Coalinga	Calif.	Fresno	1965	540	392	84	Temblor	S	32
Aera Energy	Coalinga	Calif.	Fresno	1987	290	85	21	Etchegoin	S	34
Aera Energy	Cymric	Calif.	Kern	1986	600	130	70	Tulare	S	36
Aera Energy	Lost Hills	Calif.	Kern	1975	170	450	135	Tulare	US	40
Aera Energy	McKittrick	Calif.	Kern	3/88	160	100	45	Tulare	S	36
Aera Energy	Midway-Sunset	Calif.	Kern	11/67	1,600	1,620	150	Potter	S	30
Aera Energy	Midway-Sunset	Calif.	Kern	10/70	1,230	1,292	260	Monarch	S	25-32
Aera Energy	Midway-Sunset	Calif.	Kern	1984	15	5		Sub Lakeview	S	30
Aera Energy	Midway-Sunset	Calif.	Kern	1969	50	74	15	Metson	S	30
Aera Energy	Midway-Sunset	Calif.	Kern	1988	68	75	22	Marvic	S	30
Aera Energy	Midway-Sunset Diatomite	Calif.	Kern	1997	48	38		Diatomite		65
Aera Energy	Midway-Sunset	Calif.	Kern	1980	246	242	12	Tulare	S	31
Aera Energy	San Ardo	Calif.	Monterey	6/68	125	28		Aurignac	S	34.5
Aera Energy	San Ardo	Calif.	Monterey	3/80	560	196	52	Lombardi	S	32.5
Berry	Midway-Sunset	Calif.	Kern	11/02	15	35	20	Tulare	S	30
Berry	North Midway-Sunset	Calif.	Kern	1965	160	125		Potter	S	30
Berry	South Midway-Sunset	Calif.	Kern	1964	600	1,200		Monarch	S	30
Berry	Placerita	Calif.	Los Angeles	1987	120	50	58	Lower Kraft	S	27
Berry	Midway-Sunset South	Calif.	Kern	2005	40	50	4	Main 10-10	S	30
Berry	Poso Creek	Calif.	Kern	2005	200	77	3	Etchegoin/Chanac	S	33
Berry	North Midway-Sunset	Calif.	Kern	2006	100	87		Diatomite	Tripol.	65
Berry	Midway-Sunset South	Calif.	Kern	2007	10	4		Diatomite	Tripol.	65
Berry	Midway-Sunset South	Calif.	Kern	2007	60	10	1	Monarch	S	30
Carrizo	Camp Hill	Tex.	Anderson	2/09	125	80	45	Carrizo	S	37
Chevron	Cymric 1Y	Calif.	Kern	1/80	380	510		Antelope		58
Chevron	Cymric	Calif.	Kern	5/75	552	360	80	Tulare	S	34.8
Chevron	Midway	Calif.	Kern	1964	1,214	2,039	225	Potter	US	30
Chevron	Midway	Calif.	Kern	1982	80	123	3	Tulare	US	31
Chevron	Midway	Calif.	Kern	1970	1,200	711	69	Spellacy	US	30
Chevron	West Coalinga	Calif.	Fresno	6/90	1,291	541	132	Temblor	S	34
Chevron	Kern River	Calif.	Kern	9/68	9,660	8,692	1,219	Kern River	S	32
Chevron	San Ardo	Calif.	Monterey	7/87	125	92	13	Lombardi	S	34
Derek Oil & Gas Corp.	LAK Ranch	Wyo.	Newcastle	4/04	20	1	3	Newcastle	S	22
Derek Oil & Gas Corp.	Newcastle	Wyo.	Weston	3/07	30	8	4	Newcastle Sandstone	S	22
ExxonMobil	South Belridge	Calif.	Kern	12/87	90	48	24	Tulare	S	38
MegaWest Energy Corp.	Deerfield	Mo.	Vernon	3/08	40	110	38	Warner	S	22
Naftex	Edison 27-RT	Calif.	Kern	7/77	30	65	29	Chanac	S	30
Occidental	Kern Front	Calif.	Kern	1981	3,380	580	70	Etchegoin & Chanac	SS	30
Occidental	North Antelope Hills	Calif.	Kern	1980	300	44	2	Packwood & Point of Rocks	SS	35
Seneca Resources	Midway-Sunset South	Calif.	Kern	9/01	90	45	40	Antelope	S	34
Seneca Resources	Midway-Sunset South	Calif.	Kern	6/02	94	17	17	Antelope	S	34
Seneca Resources	Midway-Sunset	Calif.	Kern	1968	320	800		Potter Sand	US	37
Stockdale	Kern Front	Calif.	Kern	2/93	160	54	6	Etchegoin	S	30
Tidelands	Wilmington (Parcel A)	Calif.	Los Angeles	6/96	44	3	2	S Tar	US	31
Hot water										
Chevron	San Ardo	Calif.	Monterey	7/87	700	7	3	Aurignac	S	32
Chevron	West Coalinga	Calif.	Fresno	5/73	780	194	180	Temblor	S	34
Combustion										
Bayou State	Bellevue	La.	Bossier	1970	200	115	15	Nacatoch	S	32
Continental Resources	Medicine Pole Hills Unit	ND	Bowman	1985	8,960	12	8	Red River B & C	Dolo.	17
Continental Resources	West Medicine Pole Hills Unit	ND	Bowman	2001	14,335	21	14	Red River B & C	Dolo.	17
Continental Resources	Cedar Hills North Unit	ND	Bowman	2002	51,200	113	115	Red River B	Dolo.	18
Continental Resources	Buffalo	SD	Harding	1979	7,680	17	5	Red River B	Dolo.	20
Continental Resources	West Buffalo	SD	Harding	1987	4,640	10	4	Red River B	Dolo.	20
Continental Resources	South Buffalo	SD	Harding	1983	20,800	33	12	Red River B	Dolo.	20
Continental Resources	West Cedar Hills Unit	Mont.	Fallon	2003	7,800	10	5	Red River B	Dolo.	17
Continental Resources	South Medicine Pole Hills Unit	ND	Bowman	2003	11,500	11	7	Red River B	Dolo.	17
Encore Acquisition	Pennel Phase 1	Mont.	Fallon	2002	2,924	22	8	Red River A	Dolo.	17
Encore Acquisition	Pennel Phase 2	Mont.	Fallon	2002	10,010	56	24	Red River A	Dolo.	17
Encore Acquisition	Little Beaver	Mont.	Fallon	2002	10,400	57	29	Red River A & B	Dolo.	17

Table B													
Permeability, md	Depth, ft	Gravity, °API	Oil, cp	Oil, °F	Prev. prod.	Satur. % start	Satur. % end	Proj. matur.	Tot. prod., b/d	Enh. prod., b/d	Proj. eval.	Profit	Project scope
1,000-3,000	300-1,400	13-14	1,500-4,000	95	Prim.	75	20	NC	27,000	27,000	Succ.	Yes	FW
1-5	1,000-1,800	28-30	2-50	110	WF	45	20	JS	7,500	2,600	Prom.	Yes	P
200-2,500	825-1,650	12-13	2,000-10,000	84-98	Prim.	60	10	HF	5,394	5,394	Succ.	Yes	FW
800-1,000	650-1,000	9-10	11,500-28,000	84	Prim.	55	10	HF	1,384	1,384	Succ.	Yes	FW
1,000-3,000	1,000	11-14	1,000-2,000	95-105	Prim.	65	20	NC	2,400	2,400	Succ.	Yes	FW
1,000-3,000	200	13	1,500-4,000	82	Prim.	60	20	HF	6,000	6,000	Succ.	Yes	FW
1,000-2,000	600	10-12	13,000-51,000	83	Prim.	60	20	HF	1,700	1,700	Succ.	Yes	FW
1,000-4,000	500-1,500	12		91-110	Prim.	60-75	15	NC	11,564	14,794	Succ.	Yes	FW
700-4,000	800-1,500	13	1,500-5,000	85-100	Prim.	50-75	15	NC	14,715	17,850	Succ.	Yes	FW
4,500	1,300	13	4,000	90	Prim.	60	15	NC	15	5	Succ.	Yes	LW
3,000	1,100	11	10,000	130	Prim.	75	15	NC	1,006	1,108	Succ.	Yes	LW
300	1,100	13	3,500	104	SS	65	15	HF	1,151	1,138	Succ.	Yes	LW
5	0-1,100	12.5	1,000	90	Prim.	75		HF	173	190	Succ.	Yes	LW
300-6,000	1,000	11-14	6,000	90	Prim.	60	16	HF	2,450	1,230	Succ.	Yes	FW
2,000	2,300	12	1,000	130	SS	55	27	NC	304	304	Succ.	Yes	FW
2,260	2,100	11	3,000	125	SS	55	27	HF	8,273	8,273	Succ.	Yes	FW
3,500	800	10	10,000	90	CS	60	23	JS	1,000	750	Succ.	Yes	RW
3,000	1,300	14	4,000	85	Prim.	70	15	NC	550	400	Succ.	Yes	FW
2,000	1,000	13	8,000	80	Prim.	70	15	HF	10,000	7,000	Succ.	Yes	FW
1,500	1,800	13	10,000	90	Prim./Cyclic	60		HF	3,000	2,700	Succ.	Yes	FW, RW, Exp. L
1,500	1,700	13	8,000	80	Prim./Cyclic	60		JS	400	300	TETT		RW
4,000	1,200	13	2,800	110	Cyclic	50		JS	700	650	Prom.		FW
1	800	14			SD	65		JS	1,530	1,530	Prom.	TETT	Exp. L, LW
1	1,100	14	4,000	90		60		JS		25	TETT	TETT	Exp. L, LW
800	1,400	14	4,000	90	C	65		JS		200	TETT	TETT	Exp. L, LW
3,500	450-500	19	1,200	75	Prim.	65	29	JS	60		TETT		LW
5	1,500	13		110	Prim.	20-60		NC	21,200	21,200	Succ.	Yes	LW
2,700	1,200	12	5,200	100	SS	53	18	HF	10,200	10,200	Succ.	Yes	LW
3,000	1,500	12	4,000	100	C	60	15	HF	21,000	21,000	Succ.	Yes	FW
1,300	1,500	11	5,000	100	Prim.	50	43	HF	500	500	Succ.	Yes	Exp. L
2,250	1,500	12	5,000	100	Prim.	60	20	HF	9,400	9,400	Succ.	Yes	Exp. L
1,510	1,640	14	3,720	100	SS	44	14	HF	6,558	6,558	Succ.	Yes	RW
2,000	1,000	13	4,000	90	Prim.	50	15	HF	86,000	86,000	Succ.	Yes	FW
6,700	1,900	12	1,200	135	C	46	15	HF	2,750	2,750	Succ.	Yes	P (Exp. L)
100	1,000	16	20	54	NA	85	60	JS	40	40	TETT	TETT	P
100	800	20	20	54	SD	85	60	C	30	30	Prom.		P
2,000	1,250	13	450	95				HF	1,000	800	Succ.	Yes	FW
500	250	17.6	2,900	55		60	20	JS	180	180	TETT	Break even	Exp. L.
2,800	1,000	14	2,000	90	Prim.	50	15	NC	550	550	Succ.	Yes	FW
2,000	1,800	14.8	1,525	95	Prim.	45	15	HF	4,000	3,500	Succ.	Yes	FW
2,500	1,200	13	2,000	80	Prim.	50	35	HF	160	120	Succ.	Yes	FW
200-1,500	900-1,400	15-16	345	100	Prim.	80	60	NC	360	345	Succ.	Yes	FW
500-2,000	450	11	20,000	80	NA	85	60	JS	200	200	TETT	TETT	P (Exp. L)
1,000-10,000	1,100-1,700	12	3,000	100	Prim.	65	20	HF	6,000	4,500	Succ.		RW
1,000	2,000	13		80	SS	70		JS	700	550	Succ.	Yes	Exp. L
1,000	2,300	13	300	125	WF	58	28	JS	350	350	Succ.		P
2,000	2,100	12	900	135	SF	15	10	NC	253	226	Succ.	Yes	LW
1,500	1,350	14	3,350	100	SS	48	15		1,450	1,450	Succ.	Yes	RW
650	400	19	660		Prim.	94	49	HF	220	220	Succ.	Yes	FW
15	9,500	38	2	230	Prim.	52	30	NC	284	284	Succ.	Yes	FW
10	9,500	33	2	215	Prim.	50	33	NC	1,011	1,011	TETT		FW
10	9,000	33	2	215	Prim.	55	26	C	11,432	11,432	Succ.	Yes	FW
10	8,450	31	2	215	Prim.	55	20	C	412	412	Succ.	Yes	FW
10	8,450	32	2	215	Prim.	55	20	C	237	237	Succ.	Yes	FW
10	8,450	31	2	215	Prim.	55	20	C	960	960	Succ.	Yes	FW
10	9,000	33	2	215	Prim.	55	26	C	851	851	Succ.	Yes	FW
10	9,200	33	2	220	Prim.	50	30	NC	431	431	TETT		FW
10	8,800	33	1.44	200	WF	75	39	JS	429	160	Succ.	Yes	Exp. L
10	8,800	33	1.44	200	WF	85	46	JS	1,550	100	Prom.	Yes	Exp. L
10	8,300	33	1.44	200	WF	83	60	JS	1,650	750	Prom.	Yes	Exp. L

PRODUCING CO₂, OTHER GAS, AND CHEMICAL EOR IN US

Type and operator	Field	State	County	Start date	Area, acres	No. wells prod.	No. wells inj.	Pay zone	Formation	Porosity, %
CO₂ miscible										
Anadarko	Patrick Draw Monell	Wyo.	Sweetwater	9/03	3,500	79	40	Mesaverde Almond	S	20
Anadarko	Salt Creek	Wyo.	Natrona	1/04	6,000	321	279	Wall Creek 2 (Frontier)	S	18
Anadarko	Salt Creek	Wyo.	Natrona	10/05	5	4	1	Wall Creek 1 (Frontier)	S	17
Anadarko	Sussex	Wyo.	Johnson	12/04	25	4	1	Tensleep	S	10
Apache	Adair	Tex.	Gaines	1997	5,338	90	61	San Andres	Dolo.	14.1
Apache	Adair	Tex.	Gaines	2004	2,550	11	11	Wolfcamp	Dolo.	12.4
Apache	Slaughter	Tex.	Hockley & Terry	5/85	569	43	21	San Andres	Dolo.	12.5
Apache	Slaughter	Tex.	Hockley & Cochran	6/89	8,559	259	164	San Andres	Dolo.	10
Chaparral Energy	Sho-Vel-Tum	Okla.	Stephens	9/82	1,100	60	40	Sims	S	16
Chaparral Energy	Camrick	Okla.	Beaver	4/01	2,320	38	32	Morrow	S	15
Chaparral Energy	North Perryton	Tex.	Ochiltree	12/07	2,500	12	6	Upper Morrow	S	15.2
Chaparral Energy	Albert Spicer Unit	Tex.	Ochiltree	10/09	577	5	2	Upper Morrow	S	21
Chaparral Energy	Booker Trosper Unit	Tex.	Ochiltree	10/09	1,325	3	3	Upper Morrow	S	20
Chaparral Energy	Gramstorff Unit	Tex.	Ochiltree	10/09	829	5	3	Upper Morrow	S	21
Chevron	Rangely Weber Sand	Colo.	Rio Blanco	10/86	18,000	378	262	Weber SS	S	12
Chevron	Mabee	Tex.	Andrews-Martin	1/92	3,600	220	85	San Andres	Dolo.	9
Chevron	Slaughter Sundown	Tex.	Hockley	1/94	5,500	155	144	San Andres	Dolo.	11
Chevron	Vacuum	NM	Lea	7/97	1,084	48	24	San Andres	Dolo.	12
Chevron	Dollarhide (Devonian) Unit	Tex.	Andrews	5/85	6,183	83	66	Devonian	Dolo./Tripolitic chert	13.5
Chevron	Dollarhide (Clearfork "AB") Unit	Tex.	Andrews	11/95	160	21	4	Clearfork	Dolo.	11.5
Chevron	Reinecke	Tex.	Borden	1/98	700	32	8	Cisco Canyon Reef	LS/Dolo.	10.4
ConocoPhillips	South Cowden	Tex.	Lea	2/81	4,900	43	22	San Andres	Dolo.	11.7
ConocoPhillips	Vacuum	NM	Lea	2/81	4,900	192	103	San Andres	Dolo.	11.7
Core Energy	Charlton 6	Mich.	Otsego	2006	60	1	1	Silurian-A1/Niagaran	LS/Dolo.	
Core Energy	Charlton 30-31	Mich.	Otsego	2005	285	2	1	Silurian-A1/Niagaran	LS/Dolo.	
Core Energy	Dover 33	Mich.	Otsego	1996	85	2	1	Silurian-A1/Niagaran	LS/Dolo.	5
Core Energy	Dover 35	Mich.	Otsego	2004	70	3	2	Silurian-A1/Niagaran	LS/Dolo.	5
Core Energy	Dover 36	Mich.	Otsego	1997	190	1	2	Silurian-A1/Niagaran	LS/Dolo.	3
Core Energy	Chester 2	Mich.	Otsego	11/09	75	1	1	Silurian-A1/Niagaran	LS/Dolo.	5
Denbury Resources	Lazy Creek	Miss.	Pike	12/01	840	8	10	Lower Tuscaloosa	S	23.4
Denbury Resources	Little Creek	Miss.	Lincoln & Pike	1985	6,200	38	36	Lower Tuscaloosa	S	23
Denbury Resources	West Mallalieu	Miss.	Lincoln	1986	8,240	42	45	Lower Tuscaloosa	S	26
Denbury Resources	McComb	Miss.	Pike	11/03	12,600	25	10	Lower Tuscaloosa	S	26
Denbury Resources	Smithdale	Miss.	Amite	3/05	4,100	12	5	Lower Tuscaloosa	S	23
Denbury Resources	Brookhaven	Miss.	Lincoln	1/05	10,800	40	37	Lower Tuscaloosa	S	25.5
Denbury Resources	East Mallalieu	Miss.	Lincoln	12/03	880	13	12	Lower Tuscaloosa	S	26
Denbury Resources	Martinville	Miss.	Simpson	3/06	280	3	2	Mooringsport	S	18
Denbury Resources	Martinville	Miss.	Simpson	3/06	200	4	3	Rodessa	S	12
Denbury Resources	Soso	Miss.	Jones	9/06	1,800	12	9	Rodessa 11,180	S	17
Denbury Resources	Soso	Miss.	Jones	4/06	2,600	28	16	Bailey 11,701	S	17
Denbury Resources	Tinsley	Miss.	Yazoo	1/07	10,104	45	26	Woodruff	S	23
Denbury Resources	Cranfield	Miss.	Adams	7/08	7,754	9	17	Lower Tuscaloosa	S	26
Denbury Resources	West Heidelberg	Miss.	Jasper	12/08	2,500	19	12	Eutaw	S	28
Denbury Resources	Lockhart Crossing	La.	Livingston	12/07	3,500	15	10	1st Wilcox	S	20
Devon	Beaver Creek	Wyo.	Fremont	7/08	980	17	17	Madison	Dolo.	10
Energen Resources	East Penwell (SA) Unit	Tex.	Ector	5/96	1,020	49	30	San Andres	Dolo.	10
ExxonMobil	Greater Aneth Area	Utah	San Juan	2/85	13,440	143	120	Ismay Desert Creek	LS	14
ExxonMobil	Means (San Andres)	Tex.	Andrews	11/83	8,500	484	284	San Andres	Dolo.	9
Fasken	Abell (Devonian)	Tex.	Crane	4/09	809	21	19	Devonian	Tripol.	21.9
Fasken	Hanford	Tex.	Gaines	7/86	1,120	23	26	San Andres	Dolo.	10.5
Fasken	Hanford East	Tex.	Gaines	3/97	340	7	4	San Andres	Dolo.	10
Fasken	Hanford (San Andres)	Tex.	Gaines	7/09	113	8	4	San Andres Residual Oil Zone	Dolo.	10
Fasken	River Bend (Devonian)	Tex.	Crane	4/09	400	9	10	Devonian	Tripol.	23.7
Great Western Drilling	Twofreds	Tex.	Loving, Ward, Reeves	1/74	4,392	32	9	Delawar, Ramsey	S	19.5
George R. Brown	Garza	Tex.		11/09	1,778			San Andres		
Hess	Seminole Unit-Main Pay Zone	Tex.	Gaines	7/83	15,699	408	160	San Andres	Dolo.	12
Hess	Seminole Unit-ROZ Phase 1	Tex.	Gaines	7/96	500	15	10	San Andres	Dolo.	12
Hess	Seminole Unit-ROZ Phase 2	Tex.	Gaines	4/04	480	16	9	San Andres	Dolo.	12
Hess	Seminole Unit-ROZ Stage 1	Tex.	Gaines	12/07	2,380	47	29	San Andres	Dolo.	12
Kinder Morgan	SACROC	Tex.	Scurry	1/72	49,900	390	503	Canyon	LS	4
Merit Energy	Lost Soldier	Wyo.	Sweetwater	5/89	1,345	33	39	Tensleep	S	9.9
Merit Energy	Lost Soldier	Wyo.	Sweetwater	5/89	790	16	17	Darwin-Madison	S/LS-Dolo.	10.3
Merit Energy	Lost Soldier	Wyo.	Sweetwater	6/96	120	11	7	Cambrian	S	7

Table C														
Permeability, md	Depth, ft	Gravity, °API	Oil, cp	Oil, °F	Prev. prod.	Satur. % start	Satur. % end	Proj. matur.	Tot. prod., b/d	Enh. prod., b/d	Proj. eval.	Profit	Project scope	
30	5,000	43	0.6	120	WF	39	24	H	3,100	3,100	Succ.	Yes	RW, Exp. L	
75	1,900	37	0.6	105	WF	39	24	H	9,500	9,500	Succ.	Yes	RW, Exp. L	
30	1,150	35	0.6	99	WF	32	24	C			Prom.		P	
16	9,000	30	2.0	200	WF			C			Prom.		P	
4	4,789	33.5		104	WF			HF	2,350		Succ.		Exp. L	
28	8,500	42		126	WF			JS	420		Prom.		TETT	
6	4,900	32	1	110	WF			HF	600		Succ.	Yes	LW	
3	5,000	32	2	107	WF	45	8	JS	5,800	4,000	Succ.	Yes	LW	
70	6,200	30	3	115	WF	59	42	HF	1,000	1,000	Succ.	Yes	FW	
63	7,260	38.5	2	152	WF	52		JS	1,510	1,410	Succ.	Yes	Phases 1, 2, & 3	
63	7,300	38	2	152	WF	52		JS	380	350	TETT		TETT	
50	8,060	39	2	177	WF	51		JS	6		TETT		TETT	
50	8,060	39	2	177	WF	56		JS	6		TETT		TETT	
109	8,060	39	2	177	WF	57		JS	19		TETT		TETT	
10	6,000	35	2	160	WF	38	29	JS	15,300	11,600	Succ.	Yes	FW	
4	4,700	32	2	104	WF	36	10	NC	3,100	2,000	Succ.	Yes	Exp. L	
6	4,950	33	1	105	WF	41	25	HF	5,950	4,747	Succ.	Yes	LW	
22	4,550	38	1	101	WF	36	15	HF	4,500	2,950	Succ.	Yes	LW	
9	8,000	40		122	Prim./WF	35	22	HF	2,420	1,970	Succ.	Yes	FW	
4	6,500	40	1	113	Prim./WF	30	10	JS	230	124	Prom.	Yes	Exp. L	
170	6,700	43.5	0.4	139	WF	35	10	JS	977	830	Succ.	Yes	Exp. L	
11	4,500	38	1	101	Prim.	70	50	JS	450	250	Succ.	Yes	FW	
11	4,500	38	1	101	Prim.	70	50	HF	6,200	5,200	Succ.	Yes	FW	
0.1-100	5,450	43	0.8	103	Prim.	54	44	JS	10	10	Succ.		Exp. L	
0.1-100	5,450	42	0.8	103	Prim.	47	40	JS	75	75	Succ.		Exp. L	
0.1-100	5,500	43	0.8	100	Prim	51	40	C			Succ.		FW	
0.1-100	5,500	41	0.8	101	Prim.	51	35	JS	210	210	Succ.		FW	
0.1-100	5,600	42	0.8	102	Prim.	52	42	HF	70	70	Succ.		FW	
0.1-100	5,600	42	0.8	102	Prim.	52	37	JS			TETT			
65	10,400	39		242	Prim.	27.4		NC	700	700	Succ.		FW	
90	10,750	40		250	WF	44		NC	1,250	1,250	Succ.		FW	
75	10,550	40		248	Prim.	44		NC	3,900	3,900	Succ.		FW	
90	10,900	40		250	Prim.	52		HF	2,300	2,300	Prom.		Exp. L	
90	11,000	41		250	Prim.	50		HF	650	650	Succ.		Exp. L	
60	10,300	40		250	Prim./GI/WF	47		HF	4,100	4,100	Prom.		Exp. L	
75	10,550	40		248	Prim./WF	52		NC	850	850	Succ.		FW	
40	11,550	38		244	WF	55		NC	650	650	Succ.		FW	
200	11,600	42		250	WF	64		NC	250	250	Prom.		FW	
171	11,500	45		228	WF	55		HF	3,850	3,850	Succ.		Exp. L	
273	11,950	43		234	WF	50		HF	200	200	Prom.		Exp. L	
289	4,800	33		164	Prim./WF	24		JS	5,400	5,100	Succ.		Exp. L	
280	10,400	39		257	Prim./GI	32		JS	1,050	10,150	Prom.		Exp. L	
300	5,000	22		152	Prim./WF	37		HF	2,050	2,050	Succ.		Exp. L	
90	10,100	40	35	212	Prim.	32		HF	1,950	1,950	Succ.		Exp. L	
10	11,100	39.5	0.64	232	Prim./WF	60	50	JS	2,700	2,425	Prom.	Prom.	FW	
4	4,000	34	2	86	WF	55	40	HF	1,626	827	Succ.	Yes	RW	
5	5,600	41	1	125	Prim.	50		JS	6,000	3,000	Succ.	Yes	LW	
20	4,300	29	6	97	WF			HF	10,000	8,700	Succ.	Yes	FW	
3	5,300	42	1	105	WF	45		JS	180	85	TETT	TETT	Exp. L	
4	5,500	32	1	104	Prim.	60.7	18.7	NC	400	400	Succ.		LW	
4	5,500	32	1	104	WF	45	18.7	HF	60	30	Succ.		LW	
5	5,700	32	1	105	Prim.	50		JS	280		TETT		Exp. L	
4.5	5,500	42	0.51	105	WF	55	46	JS	290	20	TETT	TETT	Exp. L	
32	4,900	36	2	105	WF	50		NC	170	170	Succ.	Yes	FW	
3,000														
1.3-123	5,300	35	1	104	WF			HF	16,500	16,500	Succ.	Yes	FW	
1.3-123	5,500	35	1	104	None			HF	1,200	1,200	Prom.		P	
1.3-123	5,500	35	1	104	None			HF	1,700	1,700	Prom.		P	
1.3-123	5,500	35	1	104	None			JS	1,000	1,000	Prom.		P	
19	6,700	39	1	135	Prim./WF	78	39	HF	29,580	26,530	Succ.	Yes	FW	
31	5,000	35	1	178	WF			NC	4,672	4,545	Succ.	Yes	FW	
4	5,400	35	1	181	WF			NC	2,232	1,661	Succ.	Yes	FW	
10	7,000	35			WF			JS	1,740	1,015	Succ.	Yes	FW	

PRODUCING CO₂, OTHER GAS, AND CHEMICAL EOR IN US (CONTINUED)

Type and operator	Field	State	County	Start date	Area, acres	No. wells prod.	No. wells inj.	Pay zone	Formation	Porosity, %
Merit Energy	Wertz	Wyo.	Carbon, Sweetwater	10/86	1,400	12	22	Tensleep	S	10
Merit Energy	Wertz	Wyo.	Carbon, Sweetwater	9/00	810	12	18	Darwin-Madison	S/LS-Dolo.	10
Merit Energy	Northeast Purdy Bradley Unit	Okla.	Garvin	9/82	3,400	85	49	Springer	S	13
Merit Energy		Okla.	Garvin/Grady	2/97	700	29	12	Springer	S	14
Orla Petco	East Ford	Tex.	Reeves	7/95	1,953	8	4	Delaware, Ramsey	S	23
Occidental	Alex Slaughter Estate	Tex.	Hockley	8/00	246	21	11	San Andres	Dolo./LS	10
Occidental	Anton Irish	Tex.	Hale	4/97	4,437	151	90	Clearfork	Dolo.	7
Occidental	Cedar Lake	Tex.	Gaines	8/94	2,870	167	87	San Andres	Dolo.	14
Occidental	Central Mallet Unit	Tex.	Hockley	1984	6,412	182	136	San Andres	Dolo./LS	11
Occidental	Cogdell	Tex.	Scurry/Kent	10/01	2,684	93	59	Canyon Reef	LS	13
Occidental	El Mar	Tex.	Loving	4/94	6,000	29	29	Delaware	S	22
Occidental	Frazier Unit	Tex.	Hockley	12/84	1,600	67	52	San Andres	Dolo./LS	10
Occidental	GMK South	Tex.	Gaines	1982	1,143	18	14	San Andres	Dolo.	10
Occidental	Igoe Smith	Tex.	Cochran	9/05	1,235	52	24	San Andres	Dolo.	11
Occidental	Levelland	Tex.	Hockley	9/04	1,179	95	62	San Andres	Dolo.	12
Occidental	Mid Cross-Devonian Unit	Tex.	Crane, Upton & Crockett	7/97	1,326	11	5	Devonian	Tripol.	18
Occidental	N. Cross-Devonian Unit	Tex.	Crane & Upton	4/72	1,155	26	16	Devonian	Tripol.	22
Occidental	North Cowden	Tex.	Ector	2/95	465	40	17	Grayburg	Dolo.	10
Occidental	North Dollarhide Devonian	Tex.	Andrews	11/97	1,280	29	20	Devonian	Tripol.	22
Occidental	North Hobbs	NM	Lea	3/03	3,100	125	75	San Andres	Dolo.	15
Occidental	S. Cross-Devonian Unit	Tex.	Crockett	6/88	2,090	71	38	Devonian	Tripol.	21
Occidental	Salt Creek	Tex.	Kent	10/93	12,000	150	102	Canyon	LS	20
Occidental	Sharon Ridge	Tex.	Scurry	2/99	1,400	25	26	Canyon Reef	LS	10
Occidental	Slaughter (H T Boyd Lease)	Tex.	Cochran	8/01	1,240	35	23	San Andres	Dolo.	10
Occidental	Slaughter Estate Unit	Tex.	Hockley	12/84	5,700	184	166	San Andres	Dolo./LS	12
Occidental	Slaughter North West Mallet	Tex.	Cochran & Hockley	2008	1,048	39	24	San Andres	Dolo.	10
Occidental	Slaughter West RKM Unit	Tex.	Hockley	2006	1,204	51	33	San Andres	Dolo.	9
Occidental	Smith Igoe	Tex.	Cochran	8/05	177	6	2	San Andres	Dolo.	10
Occidental	South Wasson Clearfork	Tex.	Yoakum	10/84	4,720	104	56	Clearfork	Dolo.	7
Occidental	South Welch	Tex.	Dawson	9/93	1,160	87	73	San Andres	Dolo.	11
Occidental	T-Star (Slaughter Consolidated)	Tex.	Hockley	7/99	1,700	51	31	Abo	Dolo.	7
Occidental	Wasson Bennett Ranch Unit	Tex.	Yoakum	6/95	1,780	197	160	San Andres	Dolo.	11
Occidental	Wasson Denver Unit	Tex.	Yoakum & Gaines	4/83	27,848	1,008	580	San Andres	Dolo.	12
Occidental	Wasson ODC Unit	Tex.	Yoakum	11/84	7,800	326	289	San Andres	Dolo./LS	10
Occidental	Wasson Willard Unit	Tex.	Yoakum	1/86	8,500	271	212	San Andres	Dolo.	10
Occidental	West Welch	Tex.	Gaines	10/97	240			San Andres	Dolo.	10
Resolute Natural Resources	Greater Aneth	Utah	San Juan	10/98	1,200	12	10	Desert Creek	LS	12
Stanberry Oil	Hansford Marmaton	Tex.	Hansford	6/80	2,010	5	6	Marmaton	S	18.1
Whiting Petroleum	North Ward Estes	Tex.	Ward/Winkler	5/07	16,300	816	816	Yates	SS	16
Whiting Petroleum	Postle	Okla.	Texas	11/95	11,000	92	82	Morrow	SS	16
Whiting Petroleum	Postle	Okla.	Texas	1/07-1/09	21,000	230	163	Morrow	SS	16
Whiting Petroleum	Postle Expansion	Okla.	Texas	1/07-1/09	7,000	72	62	Morrow	SS	16
XTO Energy Inc.	Goldsmith	Tex.	Ector	12/96	330	16	9	San Andres	Dolo.	11.6
XTO Energy Inc.	Cordona Lake	Tex.	Crane	12/85	2,084	44	23	Devonian	Tripol.	22
XTO Energy Inc.	Wasson (Cornell Unit)	Tex.	Yoakum	7/85	1,923	96	64	San Andres	Dolo.	8.6
XTO Energy Inc.	Wasson (Mahoney)	Tex.	Yoakum	10/85	640	49	27	San Andres	Dolo.	13
CO ₂ immiscible										
Anadarko	Salt Creek	Wyo.	Natrona	10/05	5	4	1	Wall Creek 1 (Frontier)	S	17
Chaparral Energy	Sho-Vel-Tum	Okla.	Stephens	11/98	98	6	1	Aldridge	S	20
Denbury Resources	Eucutta	Miss.	Wayne	3/06	2,100	55	49	Eutaw	S	27
Denbury Resources	Martinville	Miss.	Simpson	9/06	180	3	1	Wash-Fred 8500	S	27
Kinder Morgan	Yates	Tex.	Pecos	3/04	26,000	606	123	San Andres	Dolo.	17
Hydrocarbon miscible										
BP Alaska	Prudhoe Bay	Alas.		12/82-2/87	55,000	376	162	Sadlerochit	S	22
BP Alaska	Eileen West End	Alas.		12/02	4,000	40	16	Sadlerochit	S	19
BP Alaska	Aurora	Alas.		12/03	10,000	16	13	Kuparuk River	S	20
BP Alaska	Borealis	Alas.		2004	9,000	31	19	Kuparuk River	S	20
BP Alaska	Orion	Alas.		2006	11,000	11	25	Schrader Bluff	S	25
BP Alaska	Polaris	Alas.		2004	5,000	8	11	Schrader Bluff	S	25
BP Alaska	Pt. McIntyre	Alas.		2001	6,240	55	15	Kuparuk River	S	23
ExxonMobil	South Pass Block 89	OCS		12/83	204	9	5	X and Y Series	S	26
ExxonMobil	South Pass Block 89	OCS		7/89	20	3	3	X Series	S	26
ConocoPhillips	Kuparuk River	Alas.		6/88-12/96	70,000	350	260	Kuparuk A&C	S	24
ConocoPhillips	Tarn	Alas.		11/98	2,400	29	11	Bermuda	S	21
ConocoPhillips	Alpine	Alas.		11/00	40,000	25	22	Alpine	S	19
Hydrocarbon immiscible										
BP Alaska	Milne Point	Alas.		3/95	20,000	100	90	Kuparuk River	S	22
Nitrogen immiscible										
ExxonMobil	Hawkins	Tex.	Wood	8/87	2,800	27	6	Woodbine-East FB	S	28
ExxonMobil	Hawkins	Tex.	Wood	1/94	7,790	267	20	Woodbine-West FB	S	28

Perme-ability, md	Depth, ft	Gravity, °API	Oil, cp	Oil, °F	Prev. prod.	Satur. % start	Satur. % end	Proj. matur.	Tot. prod., b/d	Enh. prod., b/d	Proj. eval.	Profit	Project scope
20	6,000	35	1	163	WF			NC	3,912	2,986	Succ.	Yes	FW
5	6,400	35	1	170	WF			NC	1,685	1,033	Succ.	Yes	FW
44	9,400	38	1	148	WF			HF	1,800	1,800	Succ.		FW
50	9,400	38	1	150	WF			JS	800	600	Prom.		FW, Exp. L
30	2,680	40	1	82	Prim.	49	36	HF	128	128	Disc.	No	FW
5	4,950	31	1.8	105	WF	40	25	HF	270	220	Succ.	Yes	FW
4	5,800	30	3.0	109	Prim./WF	50	30	HF	5,800	3,800	Succ.	Yes	Exp. L
5	4,800	32	2.3	102	WF	50	15	HF	4,500	2,500	Succ.	Yes	LW
2	4,900	31	1.8	105	WF	48	25	HF	2,750	1,930	Succ.	Yes	FW
6	6,800	40	0.7	130	WF	46	15	HF	5,600	5,500	Succ.	Yes	Exp. L
24	4,500	41	1.1	97	Prim./WF	40		NC	308	301	Disc.	Yes	Exp. UL
4	4,950	31	1.8	105	WF	38	23	NC	1,059	650	Succ.	Yes	FW
3	5,400	30	3.0	101	WF	55	28	HF	490	140	Succ.	Yes	LW
4	5,040	34	1.5	105	WF	47	36	HF	790	430	Succ.	Yes	Exp. L
2	4,900	34	1.4	108	WF	45	30	JS	1,800	950	Succ.	Yes	Exp. L
2	5,400	42	0.4	104	Prim., GI	60	20	HF	430	376	Disc.	Yes	FW
5	5,300	44	0.4	104	Prim., GI	49	21	NC	1,225	1,223	Succ.	Yes	FW
2-5	4,200	34	1.5	91	WF	40	25	JS	535	326	TETT		Exp. L
5	7,500	40	0.5	123	WF	38	23	HF	1,150	650	Succ.	Yes	FW
15	4,200	35	0.9	102	WF	35	24	HF	7,300	5,300	Succ.	Yes	Exp. L
4	5,200	43	0.6	104	Prim./GI	43	24	HF	5,922	5,859	Succ.	Yes	FW
12	6,300	39	1.0	125	WF	89	15	HF	7,450	6,600	Succ.	Yes	LW
70	6,600	43	0.4	125	WF	39	26	HF	600	450	Succ.	Yes	Exp. L
4	5,000	31	1.6	108	WF	47	36	HF	950	630	Succ.	Yes	LW
5	4,950	31	1.8	105	WF	40	23	HF	3,800	2,270	Succ.	Yes	FW
4	4,950	32	2.0	105	WF	47	31	JS	1,085	180	Prom.		Exp. L
4	4,900	32	2.0	105	WF	42	29	JS	1,764	325	Prom.		Exp. L
4	5,000	31	1.6	108	WF	47	36	HF	210	100	Succ.	Yes	Exp. L
15	8,200	35	1.1	120	WF			Term.	1,400		Disc.	No	Exp. UL
4	4,900	34	2.3	98	WF	50	15	HF	720	670	Succ.	Yes	Exp. L
2	7,850	28	1.9	134	Prim./WF	75	45	HF	2,500	1,000	Succ.	Yes	LW
8	5,250	34	1.2	105	WF	55	37	HF	5,440	4,715	Succ.	Yes	Exp. L
8	5,200	33	1.2	105	WF	51	31	HF	28,500	25,274	Succ.	Yes	FW
5	5,100	34	1.3	110	WF	49	34	HF	9,348	8,682	Succ.	Yes	FW
1.5	5,100	32	2.0	105	WF	56	41	HF	4,511	3,700	Succ.	Yes	Exp. L
3	4,900	34	2.3	98	WF	50	15	Term.			Disc.	No	P
18.3	5,700	42	1.5	129	WF	40	28	JS	1,200	400	Prom.	Yes	P
48	6,500	44	2	142	Prim.	43		NC	102	102	Succ.	Yes	FW
37	2,600	36	1.6	83	Prim./WF	26.5	21	JS	7,800	4,700	Prom.	Yes	FW
50	6,200	40	1	145	WF	37	25	HF	4,500	4,500	Succ.		Exp. L
50	6,200	40	1	145	WF	37	25	NC	9,100	9,100	Succ.	Yes	Exp. L
35	6,200	40	1	145	WF	37	25		1,700	1,700	Early succ.		Exp. L
32	4,200	35		105	WF			JS			TETT		P
4	5,500	40	1	101	WF			HF	1,050	350	Prom.	Yes	LW
2	4,500	33	1	106	WF			HF	1,700	875	Succ.	Yes	LW
6	5,100	33	1	110	WF	54.4	39.2	HF	1,600	1,350	Succ.	Yes	LW
30	1,150	35	0.6	99	Prim./WF	32	24	C			Prom.		P Exp. L
270	5,400	19	45	105	Prim.	62	47	JS	62	60	Succ.	Yes	RW
250	5,050	22		152	Prim./WF	42		NC	4,800	4,800	Succ.		FW
107	8,500	11		198	Prim.	86		NC	300	300	TETT		FW
175	1,400	30	6	82	GI	75	54	JS	26,295	4,000	Succ.	Yes	FW
400	8,800	27	0.9	210	WF	50		HF	78,000	25,000	Succ.		FW
130	8,800	26	1	235	WF	45		JS	12,000	2,500	Succ.		FW
50	6,700	24	2	150	WF	80		JS	7,000	1,000	Succ.		FW
100	6,600	24-28	2	160	WF	80		JS	13,800	3,700	Succ.		FW
150	4,500	15-23	7-140	85	WF	65		JS	9,600	600	TETT		FW
150	4,900	15-23	7-140	100	WF	65		NS	3,800		TETT		FW
200	8,800	27	0.9	182	WF	70		HF	23,000	11,000	Succ.		FW
1,000-1,500	10,000	38	0.40-0.60	180	Prim.			HF	2,100	2,100	Succ.	Yes	RW
1,000	11,000	38	1	165	Prim.			NC	200	200	Succ.	Yes	RW
50-500	6,000	24	2.0	160	WF/HC Imm.	75		JS	140,000	33,000	Succ.	Yes	Exp. L
20	5,200	37	0.6	142	None	65		JS	22,000		Succ.	Yes	RW
20	7,000	40	0.45	160	None	80		JS	95,000		Prom.	Yes	Exp. L
40	7,000	22	4	170	WF	75			20,000	2,000	Succ.		FW
2,800	4,600	16	25	168				NC	1,500	1,000	Succ.	Yes	RW
2,800	4,600	24	4	168				JS	9,000	3,000	Prom.		RW

Producing CO ₂ , Other Gas, and Chemical EOR in US (Continued)										
Type and operator	Field	State	County	Start date	Area, acres	No. wells prod.	No. wells inj.	Pay zone	Formation	Porosity, %
Occidental	Elk Hills	Calif.	Kern	2005		800	60	Sub Scalez	S	28
Chemical, polymer, surfactant										
Cano	Delaware-Childers	Okla.	Nowata	6/06	20			Bartlesville		
Chaparral Energy	North Burbank	Okla.	Osage	12/07	480	19	9	Burbank	S	16.8
Occidental	Midland Farms Unit	Tex.	Andrews	3/10	40	6	1	Grayburg	Dolo./LS	14

Producing Canadian EOR Projects										
Type and operator	Field	Province	Start date	Area, acres	No. wells prod.	No. wells inj.	Pay zone	Formation	Porosity, %	Permeability, md
Acid gas miscible										
Apache Canada	Zama-Keg River	Alta.	6/04	3,840	12	12	Zama-Keg River	Dolo.	8	10-100
CO₂ miscible										
Apache Canada	Midale	Sask.	10/05	30,483	43	5	Marly & Vuggy	Dolo., LS	16.3	7.5
Devon Canada	Swan Hills	Alta.	10/04		5	1	Beaverhill Lake	LS	8.5	54
Cenovus	Weyburn Unit	Sask.	9/00	17,280	320	170	Midale	LS/Dolo.	15	10
Pengrowth Corporation	Judy Creek	Alta.	2/07	80	4	1	Swan Hills	LS	12	50
Penn West Energy Trust	Joffre	Alta.	1/84	6,625	33	15	Viking	S	13	500
Penn West Energy Trust	Pembina	Alta.	3/05	80	6	2	Cardium	S	16	20
Hydrocarbon miscible										
Conoco Canada	Goose River	Alta.	4/87	2,847	36	14	Beaverhill Lake/ Swan Hills	LS	8-18	3-270
Devon Canada	Swan Hills	Alta.	10/85	19,440	400	95	Beaverhill Lake	LS	8.5	54
ExxonMobil Oil Canada	Rainbow 'II'	Alta.	7/83	320	2		Keg River	Dolo., LS	8.5	100-5,000
ExxonMobil Oil Canada	Rainbow 'AA'	Alta.	9/72	800	4		Keg River	Dolo., LS	8.6	100-5,000
ExxonMobil Oil Canada	Rainbow South 'B'	Alta.	8/72	490	8	3	Keg River	Dolo.	6	40
Husky Oil	Rainbow KR B Pool	Alta.	6/84	2,500	69	11	Keg River	Dolo.	8	300
Husky Oil	Rainbow South KR E Pool	Alta.	4/94	478	6	3	Keg River	LS	9.1	50
Husky Oil	Rainbow South KR G Pool	Alta.	5/95	240	3	2	Keg River	LS	8	50
Husky Oil	Rainbow KR F Pool	Alta.	6/96	1,920	38	11	Keg River	Dolo.	6	1,000
Imperial Oil	Pembina 'G' Pool	Alta.	9/89	328	2		Nisku	Dolo.	8	900
Imperial Oil	Pembina 'K' Pool	Alta.	1984	126	1		Nisku	Dolo.	12.7	2,020
Imperial Oil	Pembina 'L' Pool	Alta.	1985	625	4	1	Nisku	Dolo.	10.5	1,060
Imperial Oil	Pembina 'M' Pool	Alta.	1983	192	2	1	Nisku	Dolo.	9	540
Imperial Oil	Pembina 'O' Pool	Alta.	11/83	346	3		Nisku	Dolo.	11.8	3,100
Imperial Oil	Pembina 'P' Pool	Alta.	10/83	420	3	1	Nisku	Dolo.	10.3	2,400
Imperial Oil	Pembina 'Q' Pool	Alta.	2/85	301	1		Nisku	Dolo.	9.8	1,970
Imperial Oil	Wizard Lake	Alta.	1969	2,725	20		Leduc D-3A	Dolo.	10.5	1,375
Imperial Oil	Rainbow "FF" Pool	Alta.	9/71	102	1		Keg River	Dolo.	7.3	180
Imperial Oil	Rainbow "T" Pool	Alta.	6/69	222	2		Keg River	Dolo.	8.6	320
Imperial Oil	Rainbow "Z" Pool	Alta.	2/71	221	2	1	Keg River	Dolo.	4.25	160
Steam										
CNRL	Tangleflags	Sask.	1987	285	10	10	Lloydminster	S	32.5	3,000-5,000
CNRL	Primrose	Alta.	1985	160,000	750		Clearwater	S	32	2,000-4,000
Cenovus	Foster Creek	Alta.	5/97		27	27	McMurray	S	33	7,000
Cenovus	Christian Lake	Alta.	2003		6	6	McMurray	S		
Husky Oil	Pikes Peak	Sask.	1/81	400	102	27	Waseca	US	33	7,500
Imperial Oil	Cold Lake	Alta.	1964		4,000	4,000	Clearwater	US	35	1,500
Imperial Oil	Cold Lake (enhanced cyclic steam)	Alta.	2002	32	20	8	Clearwater	US	32	2,000
Shell Canada	Orion	Alta.	9/07	5,120	22	22	Clearwater	S	33	2,000
Shell Canada	Peace River	Alta.	1979	4,900	97	109	Bluesky	S	26.5	2,000-4,000
Shell Canada	Peace River	Alta.	10/86	3,000	48	48	Cretaceous-Bullhead	S	28.5	100-2,000
Nitrogen										
Talisman	Turner Valley	Sask.	2001							
Polymer										
CNRL	Pelican Lake	Alta.	2006	187,000	1,000	200	Wabiskaw	S	29	1,000-4,000
Cenovus	Pelican Lake	Alta.	2004	397,000	445	280	Wabiskaw	S	30	500-5,000

Table C													
Permeability, md	Depth, ft	Gravity, °API	Oil, cp	Oil, °F	Prev. prod.	Satur. % start	Satur. % end	Proj. matur.	Tot. prod., b/d	Enh. prod., b/d	Proj. eval.	Profit	Project scope
1,500	2,500	25	20	110		60	10		20,000	5,000			
50 20-60	625 2,900 4,800	32 39 34	3 2.63	122 102	WF WF	53 50	51 5	JS JS	160 40	70	TETT TETT	TETT	Phase 1 P
Table D													
Depth, ft	Gravity, °API	Oil, cp	Oil, °F	Prev. prod.	Satur. % start	Satur. % end	Proj. matur.	Tot. prod., b/d	Enh. prod., b/d	Proj. eval.	Profit	Project scope	
4,900	32-40	0.6-1.5	160-176	Prim.	40	5	JS	1,000	1,000	Prom.	Yes	Exp. L	
4,600	30	3	149	WF	45		JS	5,900		Prom.	Yes	FW P	
8,300	41	0.4	225		30	5	JS					P	
4,655	28	3	140	WF	45	30	JS	22,000	11,000	Prom.		LW, Exp. L	
8,200	41.5	0.65	206	HC			JS			TETT		P	
4,900	42	1.14	133	WF	38	23	HF	700	700	Succ.		FW	
5,300	41	1	128	WF			JS			TETT		P	
9,150	41	0.3	230	WF	55	43	NC	1,900	1,700	Succ.		Exp. UL	
8,300	41	0.4	225	WF	30	5	NC	14,300	4,100	Succ.	Yes	FW (Exp. L)	
5,500	39	0.46	190	WF	45	15	HF	50	50	Prom.	Yes	FW	
5,500	39	0.47	184	GI/WWF	92	15	NC	10	10	Succ.	Yes	FW	
6,200	40	0.3	183	Prim.			NC	598	598	Succ.	Yes	FW	
6,000	38	0.83	188	WF	52	23	HF	8,810	8,810	Succ.	Yes	RW	
6,400	43	0.39	195	WF	67	50	Term.	189	189	Disc.	Yes	RW	
6,330	44	0.4	195	WF	67	50	Term.	19	19	Disc.	Yes	RW	
6,000	48	0.25	180	WF/GI	50	35	JS	3,200	3,200	Succ.	Yes	RW	
9,541	43.2	0.33	204	Prim.	80	5	NC	409	409	Succ.	Yes	FW	
9,469	43.6	0.37	198	Prim.	82	5	NC	208	208	Succ.	Yes	FW	
9,415	40.9	0.42	199	WF	88	5	NC	667	667	Succ.	Yes	FW	
9,333	41.1	0.14	198	Prim.	93	5	NC	472	472	Succ.	Yes	FW	
9,332	43.4	0.32	190	Prim.	84	5	NC	198	198	Succ.	Yes	FW	
9,531	45.4	0.36	200	Prim.	87	5	NC	340	340	Succ.	Yes	FW	
9,421	41.3	0.42	196	Prim.	91	5	NC	220	220	Succ.	Yes	FW	
6,500	38	0.54	167	Prim.	93	12	NC	346	346	Succ.	Yes	FW	
4,160	37	0.59	188	Prim.	90	5	NC	17	17	Succ.	Yes	RW	
4,330	40	0.69	188	Prim.	88	5	NC	161	161	Succ.	Yes	RW	
4,040	38	0.547	190	Prim.	73.5	5	NC	418	418	Succ.	Yes	RW	
1,480	13	13,000	66	Prim.	90	38	TBD	5,000	5,000	Succ.	Yes	TBD	
1,600	10-12	40,000-300,000	60		60	30	TBD	70,000	70,000	Succ.	Yes	TBD	
1,600	10	500,000	55		85		JS JS	35,000 7,000	35,000 7,000				
1,640	12	25,000	70		85		HF	7,500	7,500	Succ.	Yes	RW	
1,509	10.2	100,000	55		70		HF	154,000	154,000	Succ.		FW P	
1,395	10	200,000	55	CS	70		HF			Prom.			
1,350	10	75,000	60	SAGD	70	10	JS	10,000		TETT		Exp. L	
1,800	8	40,000-400,000	63	SF, SD, SS	0.8	0.54	HF	13,000	13,000	Succ.	Marginal	P, Exp. L	
1,800	8	100,000	62		80		JS	5,000	5,000	Succ.		Exp. L	
1,500	13	1,000-4,000	60	Prim.	70	40	TBD	40,000	20,000	Succ.	Yes	TBD	
1,000-1,300	13.5-16.5	1,000-5,000+	63	WF	70-80	20-30	HF	20,105	5,000	Succ.		RW	

PRODUCING EOR PROJECTS OUTSIDE US AND CANADA

Country and area	Operator	Type project	Field	Start date	Area, acres	No. wells prod.	No. wells inj.	Pay zone	Formation	Porosity, %
Brazil										
Bahia	Petrobras	CO ₂ immiscible	Buracica	1991	1,670		7	Sergi	S	22
Bahia	Petrobras	CO ₂ miscible	Rio Pojuca	1999			1	Agua Grande	S	
Bahia	Petrobras	CO ₂ miscible	Miranga	12/09		27	10	Catu-1	S	20
Brazil	Petrobras	Microbial	Carmopolis	6/02		45	10	Carmopolis	S/Congl.	17
Brazil	Petrobras	Steam	Estreito	12/09		176	48	Acu	S	25
Espirito Santo	Petrobras	Steam	Fazenda Alegre	2001	1,255	59		Urucutuca	S	27
Rio Grande do Norte (RN)	Petrobras	Steam	Estreito	1984		700		Acu	S	25
Rio Grande do Norte (RN)	Petrobras	Steam	Alto do Rodrigues	1984		500		Acu	S	25
Sergipe	Petrobras	Steam	Carmopolis	1978		200		Barra Itiuba/ Carmopolis	S/Congl.	22
Egypt										
Cairo	Scimitar	Cyclic steam	Issaran	2004		180	22	300	Dolo.	21
Germany										
Lower Saxony, Graftschaft Bentheim	Wintershall Holding AG	Steam	Emlichheim, Block 1	7/07	55	8	1	Valanginian	US	30
Lower Saxony, Graftschaft Bentheim	Wintershall Holding AG	Steam	Emlichheim, Block 2	6/05	22	4	1	Valanginian	US	30
Lower Saxony, Graftschaft Bentheim	Wintershall Holding AG	Steam	Emlichheim, Block 3	8/01	50	7	1	Valanginian	US	30
Lower Saxony, Graftschaft Bentheim	Wintershall Holding AG	Steam	Emlichheim, Block 4 NE	2/02	22	3	1	Valanginian	US	30
Lower Saxony, Graftschaft Bentheim	Wintershall Holding AG	Steam	Emlichheim, Block 5/7 North	2/99	58	9	1	Valanginian	US	30
Lower Saxony, Graftschaft Bentheim	Wintershall Holding AG	Steam	Emlichheim, Block 8/9 North	7/08	37	5	1	Valanginian	S	30
Indonesia										
Pekanbaru	PT Caltex	Steam	Duri	1/85	30,878	2,702	1,068	Pertama-Kedua	US	34
Pekanbaru	PT Caltex	Steam	Duri	7/94	27,000	1,093	532	Rindu	US	38
Trinidad										
Parrylands	New Horizon	Steam	Block E	7/01	744	6		Forest Sands	S	36
Forest Reserve	Petrotrin	CO ₂ immiscible	Area 2102	6/76	58	6	2	Forest Sands	S	32
Forest Reserve	Petrotrin	CO ₂ immiscible	Area 2121	1/74	29	2	2	Forest Sands	S	30
Forest Reserve	Petrotrin	CO ₂ immiscible	Area 2124	1/86	184	3	1	Forest Sands	S	31
Forest Reserve	Petrotrin	CO ₂ immiscible	EOR 34-Cyclic	84	NA	11		Forest/MLE	S	29
Oropouche	Petrotrin	CO ₂ immiscible	Oropouche	6/90	175	4	3	Retrench	S	30
Guapo	Petrotrin	Steam	Guapo	8/76	400	80	12	Cruise E & F	S	25
Point Fortin	Petrotrin	Steam	Cruise E	2/86	66	17	7	Cruise E	S	31
Point Fortin	Petrotrin	Steam	Parrylands	7/81	86	25	6	Forest	S	30
Point Fortin	Petrotrin	Steam	Cruise E	10/95	300	72	27	Cruise E	S	29
Forest Reserve	Petrotrin	Steam	Phase I Cyclic	8/76	58	8		Forest Sands	S	31
Forest Reserve	Petrotrin	Steam	Phase I West	12/88	23	3	10	Forest Sands	S	30
Forest Reserve	Petrotrin	Steam	Phase I East	9/94	40	23	7	Forest Sands	S	30
Palo Seco	Petrotrin	Water (steam scavenging)	Bennett Village	01/86	39	26	5	Lower Morne L'Enfer	S	33
Quarry	Petrotrin	Water (steam scavenging)	Antilles Quarry	10/81	70	54	12	Lower Morne L'Enfer	S	29
North Palo Seco	Petrotrin	Steam	North Palo Seco	05/75	300	127	30	Lower Morne L'Enfer	S	33
Turkey										
Batman	TPAO	CO ₂ immiscible	Bati Raman	3/86	12,890	212	69	Garzan	LS	18
Venezuela										
Maturin, Campo Mulata	PDVSA E&P	HC miscible	Carito Central	12/96	12,000	45	10	NARICUAL	S	8-20
Maturin, Campo Mulata	PDVSA E&P	HC miscible	Carito Oeste	11/97	9,500	26	5	NARICUAL	S	10-20
Maturin, Campo Furrial	PDVSA E&P	HC miscible/ water	Furrial	8/98	36,769	102	43	NARICUAL	S	15
Maturin, Campo Furrial	PDVSA E&P	AGA	Furrial	8/98	43	1	1	NARICUAL	S	13-15
Maturin, Campo Furrial	PDVSA E&P	Surfactant	Furrial	12/01	63,400	1	1	CRETACEO	S	12
Maturin, Campo Orocual	PDVSA E&P	Steam	Orocual	5/00	22,776	35	12	R (R ORS 04)_S (S ORS 01)	US	30
Anzoategui	PDVSA E&P	Steam	Bare (F.O.)	3/85	16,452	55	48	U1,3 (YAC.MFB-53)	US	31.9
Anzoategui	PDVSA E&P	Steam	Bare (F.O.)	3/87	8,066	66	65	U2,3 (YAC.MFB-23)	US	28.6
Anzoategui	PDVSA E&P	Steam-SAGD	Bare	8/06	300	1	1	30	US	25
Anzoategui	PDVSA E&P	Steam-SAGD	Bare	10/09	250	1	1	80	US	30
Anzoategui	PDVSA E&P	Steam	Arecuna (F.O.)	2/85	1,668	5	5	5	US	30.7
Anzoategui	PDVSA E&P	Steam	Arecuna (F.O.)	12/83	1,544	15	15	T (YAC.MFA-52)	US	30.6
Anzoategui	PDVSA E&P	Steam	Melones	07/83	39,909	42	42	U1,3 (YAC.MM-407)	S	30
Anzoategui	PDVSA E&P	Steam	Melones	10/83	26,249	53	53	S5,T (YAC.MM-412)	S	28
Campo Cerro Negro	PDVSA E&P	Steam	B.E.P.-Cerro Negro	1984	49,090	186		Morichal-Member	S	35
Campo Jobo	PDVSA E&P	Steam	Jobo	12/69	25,410	88		Jobo Member	S	31
Campo Jobo	PDVSA E&P	Steam	Jobo-P.E.T.C.	8/85	267	17		Morichal	S	30
Campo Jobo	PDVSA E&P	Steam	Jobo	12/69	34,099	301		Morichal	S	30
Campo Pilon	PDVSA E&P	Steam	West Pilon	12/69	1,065	8		Oficina-1	S	31
Zulia	PDVSA E&P	Steam	Bachaquero Lago	12/80	343	2		Bachaquero Superior	S	23
Zulia	PDVSA E&P	Steam	Lagunillas Lago	2/71	9,343	522	2	Bachaquero	S	34
Zulia	PDVSA E&P	Steam	Tia Juana	2/70	1,692	25		Lagunillas Inferior	S	31
Zulia	PDVSA E&P	Steam	Lagunillas	4/65	420	59		U.L.H.	S	35
Zulia	PDVSA E&P	Steam	Lagunillas	8/64	76	7		L.L.	S	33.7
Zulia	PDVSA E&P	Steam	Lagunillas	7/67	618	54		U.L.H.	S	35
Zulia	PDVSA E&P	Steam	Lagunillas	1/70	3,025	147		L.L.	S	33.7

Permeability, md	Depth, ft	Gravity, °API	Oil, cp	Oil, °F	Prev. prod.	Satur. % start	Satur. % end	Proj. matur.	Tot. prod., b/d	Enh. prod., b/d	Proj. eval.	Profit	Project scope
112 200 4,000 500-2,000 4,000 3,000 200	1,970	35	10.5	120	Prim./WF			NC					
	5,900	36	2	183	Prim.			HF			Succ.	Yes	RW
	4,000	39.4	1.15	156	WF			JS			TETT		P
	1,970	23	28	122	WF			NC			TETT		P
	1,150	15	1,700	100	Prim.			JS	5,700		Prom.		P
	2,300	13	825	124	Prim.	76		HF	9,500	9,500	TETT		FW
	1,150	15	1,700	100	Prim.			NC	5,700	5,700	Succ.	Yes	FW
	1,480	15	2,500	100	Prim.			NC	2,500	2,500	Succ.	Yes	FW
	2,460	21	500	122				NC	3,860	3,860	Succ.	Yes	FW
20 md matrix, 2 darcy fracture	700	10	72	110	Prim.	80		JS	4,000	3,100	Succ.	Prof.	LW
300-15,000	2,500-2,700	25	175	100	HW	10-90	10-90	JS	500	500	Prom.	Good	FW
300-15,000	2,500-2,700	25	175	100	WF	10-90	10-90	HF	390	390	Succ.	Good	FW
300-15,000	2,500-2,700	25	175	100	HW	10-90	10-90	HF	350	345	Succ.	Good	FW
300-15,000	2,500-2,700	25	175	100	HW	10-90	10-90	HF	70	70	Succ.	Good	FW
300-15,000	2,500-2,700	25	175	100	WF	10-90	10-90	HF	450	450	Succ.	Good	FW
300-15,001	2,600	25	175	100		10-90	10-90	JS	530	530	Prom.	Good	FW
1,600	550	22	350	100	Prim.	62	15	NC	190,000	190,000	Succ.	Yes	FW
1,600	350	22	350	100	Prim.	60	15	NC			Succ.	Yes	FW
750	850-1,200	16-18	5,000	97	Prim.	80		JS	100		TETT		LW
175	3,000	19	16	120	Prim.	56		HF	43	43	Succ.	Yes	Exp. L
150	2,600	17	32	120	Prim.	60		HF			Prom.		Exp. L
300	4,200	25	6	130	WF	44		TS	78	78	Prom.		Exp. L
150	2,025	17	11-145	120	Prim.			HF	160	160	Prom.	Yes	
36	2,400	29	5	120	Prim.	53	48	HF	32	32	Prom.		P
300	2,400	11	5,500	100	Cyclic	75		HF	792	792	Succ.	Yes	RW
95	1,400	17	175	110	Prim.	58	18	HF	325	325	Prom.		P
500	1,100	11	5,500	104	Prim.	75	20	HF	89	89	Succ.	Yes	RW
265	2,100	17	200	110	Prim.	75		JS	141	141	Prom.		RW
205	1,200	19	32	105	Prim.	57	15	NC	69	69	Disc.	No	RW
430	1,500	17	160	105	Prim.	67	25	JS	76	76	Disc.	No	RW
270	1,100	14	250	110	Prim.	70		HF	158	158	Disc.	No	RW
250	1,000	21.6	18	103	S	73	45	NC	280	280	Succ.	Yes	Exp. NL
250	2,800	19.2	120	100	S	72	51	NC	330	330	Succ.	Yes	Exp. NL
260	1,200	15	500	100	C	71	35	NC	1,132	1,132	Succ.	Yes	Exp. LW
58	4,265	13	592	129		78		NC	7,000	7,000	Succ.	Yes	FW
10-1,000	13,000-14,500	21-33	0.1-0.5	290	Prim.	80		JS	150,000	80,000	Succ.	yes	FW
10-1,000	13,000-14,500	24-36	0.1-0.5	290	Prim.	80		JS	80,000	45,000	Succ.	yes	FW
600	13,000-14,300	26	0.5	290	WF	75		JS	410,000	41,000	Prom.	yes	FW
60-800	15,180-15,700	24	0.5	290	WF	36		JS	360	520	Prom.	yes	P
45	14,500	27	0.5	300	WF	36	20	JS	100	350	Prom.	Yes	P
400-1,200	2,600	12	563	115	Prim.	72	N/A	JS	5,500	2,500	Prom.	Yes	RW (Exp. L)
6,600	2,650	9.3	376	131	Prim.	88	75	HF	65,000	20,000	Succ.	Yes	RW (Exp. L)
5,000	3,050	9.2	351	136	Prim.	83	75	HF	4,500	500	Succ.	Yes	RW (Exp. L)
3,500	3,000	9.0	2,325	130	Prim.	85	45	HF	350	350	Succ.	Yes	P
5,000	2,200	9.0	2,200	127	Prim.	80	45	JS	1,500	1,500	TETT		P
5,800	2,850	10	370	135	Prim.	82	74	NC			Disc.	No	P (Exp. UL)
4,500	3,150	9.8	560	140	Prim.	80	72	NC			Prom.	Yes	RW
1,500	3,820	11	270	159	Prim.	80		HF	8,200	3,500	Succ.	Yes	RW
792	3,515	14.5	260	154	Prim.	80		HF	5,800	2,600	Succ.	Yes	RW
10,000	2,000	8.5	5,500	125	Prim.	80		HF	650	400	Succ.	Yes	P (Exp. L)
2,500	3,260	13.5	138	130	Prim.	80		HF	14,101		Succ.	Yes	FW
5,000	3,600	9	1,952	132	Prim.	85		NC	1,530		Succ.	Yes	P (Exp. L)
5,000	3,600	9	1,952	132	Prim.	85		JS	5,607	514	Succ.	Yes	FW
8,000	3,350	10	727	139	Prim.	82		JS	23,912		Succ.	Yes	RW
1,500	3,400	14	185	135	Prim.	85		JS	32,517	17,997	Succ.	Yes	P (Exp. L)
4,000	2,690	12	600	128	Prim.	84		HF	44,219	31,135	Succ.	Yes	FW
1,250	2,537	15	93	119		72		HF	5,916	3,815	Succ.	Yes	P(Exp. L)
	2,300	11.4	3,500	117	Prim.	75	44	NC	2,318	2,318	Succ.	Yes	FW
	2,850	15.2	2,500	125	Prim.	80	50	NC	257	257	Succ.	Yes	FW
	2,300	11.4	3,500	117	Prim.	75	46	NC	2,629	2,629	Succ.	Yes	FW
	2,850	15.2	2,500	122	Prim.	87	54	HF	2,675	2,675	Succ.	Yes	FW

PRODUCING FOR PROJECTS OUTSIDE US AND CANADA (CONTINUED)

Country and area	Operator	Type project	Field	Start date	Area, acres	No. wells prod.	No. wells inj.	Pay zone	Formation	Porosity, %
Zulia	PDVSA E&P	Steam	Lagunillas	4/70	2,565	220		U.L.H.	S	35
Zulia	PDVSA E&P	Steam	Lagunillas	8/70	2,114	175		U.L.H.	S	35
Zulia	PDVSA E&P	Steam	Lagunillas	11/79	3,101	261		L.L.	S	33.7
Zulia	PDVSA E&P	Steam	Lagunillas	10/80	3,565	297		U.L.H.	S	35
Zulia	PDVSA E&P	Steam	Bachaquero	11/84	7,795	640		Post-Eocene	S	33.5
Zulia	PDVSA E&P	Steam	East Tia Juana	4/59	341	32		L.L.	S	33.5
Zulia	PDVSA E&P	Steam	East Tia Juana	2/61	35	7		L.L.	S	38.1
Zulia	PDVSA E&P	Steam	East Tia Juana	9/64	411	36		L.L.	S	38
Zulia	PDVSA E&P	Steam	East Tia Juana	5/68	2,755	201		L.L.	S	38.1
Zulia	PDVSA E&P	Steam	East Tia Juana	8/68	3,218	250		L.L.	S	38.1
Zulia	PDVSA E&P	Steam	East Tia Juana	12/68	1,961	168		L.L.	S	38
Zulia	PDVSA E&P	Steam	East Tia Juana	3/69	1,768	145		L.L.	S	38.1
Zulia	PDVSA E&P	Steam	East Tia Juana	8/69	1,642	148		L.L.	S	38.1
Zulia	PDVSA E&P	Steam	East Tia Juana	12/69	392	36		L.L.	S	38.1
Zulia	PDVSA E&P	Steam	East Tia Juana	11/74	1,848	135	21	L.L.	S	38.1
Zulia	PDVSA E&P	Steam	East Tia Juana	9/86	1,380	144		L.L.	S	36
Zulia	PDVSA E&P	Steam	Main Tia Juana	10/63	867	82		L.L.	S	38.1
Zulia	PDVSA E&P	Steam	Main Tia Juana	6/66	144	15		L.L.	S	38.1
Zulia	PDVSA E&P	Steam	Main Tia Juana	7/67	1,291	114		L.L.	S	38.8
Zulia	PDVSA E&P	Steam	Main Tia Juana	7/67	1,500	134		L.L.	S	38.1
Zulia	PDVSA E&P	Steam	Main Tia Juana	10/67	2,323	197		L.L.	S	38.1
Zulia	PDVSA E&P	Steam	Main Tia Juana	10/67	1,286	86		L.L.	S	38.1

Perme- ability, md	Depth, ft	Gravity, °API	Oil, cp	Oil, °F.	Prev. prod.	Satur. % start	Satur. % end	Proj. matur.	Tot. prod., b/d	Enh. prod., b/d	Proj. eval.	Profit	Project scope
	2,300	11.8	7,000	115	Prim.	75	54	HF	21,016	21,016	Succ.	Yes	FW
	2,300	11.4	3,500	118	Prim.	75	63	HF	5,872	5,872	Succ.	Yes	FW
	2,850	15	580	126	Prim.	87	66	HF	4,399	4,399	Succ.	Yes	FW
	2,300	11	20,000	125	Prim.	75	63	HF	19,920	19,920	Succ.	Yes	FW
575	2,000	13	500	117	Prim.	84.5	40	JS	15,190	15,190	Succ.	Yes	FW
2,500	1,500	12	1,000	108	Prim.	85	48	HF	470	470	Succ.	Yes	FW
1,300	1,746	13.6	13,000	100	Prim.	85	45	NC	171	171	Succ.	Yes	P
3,000	1,250	12	3,000	104	Prim.	85	65	HF	489	375	Succ.	Yes	FW
	1,200	12	750	104	Prim.	85	64	HF	4,806	4,139	Succ.	Prom.	FW
3,000	872	12	5,000	104	Prim.	81	74	HF	7,778	7,257	Succ.	Yes	FW
	1,250	12	7,500	106	Prim.	85	67	HF	6,415	6,052	Succ.	Yes	FW
780	1,700	12.1	2,000	111	Prim.	85	67	HF	4,233	3,636	Succ.	Yes	FW
1,300	1,250	10	12,000	102	Prim.	85	77	HF	5,316	5,316	Succ.	Yes	FW
	1,000	11.1	10,000	95	Prim.	85	72	HF	963	963	Succ.	Yes	FW
780	1,597	12	1,000	111	Prim.	85	46	HF	2,100	2,100	Succ.	Yes	FW
1,000-4,000	760	9-11	5,000-30,000	110	Prim.	85	82	HF	6,857	6,857	Succ.	Yes	FW
1,400	1,750	13.1	750	113		85	57	NC	842	842	Succ.	Yes	FW
675	1,250	13.1	1,300	104	Prim.	85	65	NC	120	120	Succ.	Yes	FW
675	1,209	13.1	5,000	123	Prim.	85	61	HF	3,412	3,412	Succ.	Yes	FW
1,000	1,400	13.1	1,000	110	Prim.	85	65	HF	4,224	4,224	Succ.	Yes	FW
1,000	1,746	13.1	4,100	110	Prim.	85	62	HF	4,264	3,878	Succ.	Yes	FW
1,000	1,746	13.1	1,200	110	Prim.	85	76	HF	1,129	1,129	Succ.	Yes	FW