

DRAINAGE AREA CALCULATIONS

- PADDOCK PRODUCERS (1 OF 2) -

- Burnett Oil Co., Inc. Wells -

New Mexico OCD
 Consolidated Hearing Cases:
 14613 & 14647
 Burnett Oil Co., Inc./
 Hudson Oil Company of Texas
 Exhibit # 27

Well	Zone	Oil EUR (mdbl)	Paddock Log Data					Drainage Area		
			Net Pay (ft)	Avg ϕ	Avg Sw	So* ϕ *H	ϕ *H	RF = 10% (acres)	RF=13% (acres)	RF = 15% (acres)
GISSLER A 29	Paddock	33	174	9%	29%	10.6	14.9	5.2	4.0	3.4
GISSLER B 38	Paddock	42	234	7%	23%	11.8	15.3	5.9	4.5	3.9
JACKSON A 27Q	Paddock	47	173	7%	28%	9.1	12.5	8.6	6.6	5.7
JACKSON A 21	Paddock	95	285	8%	25%	16.9	22.6	9.3	7.2	6.2
GISSLER A 17	Paddock	72	249	6%	27%	11.6	15.9	10.3	8.0	6.9
JACKSON B 45	Paddock	74	191	8%	29%	10.5	14.8	11.7	9.0	7.8
JACKSON A 17Q	Paddock	109	249	8%	28%	15.1	21.0	12.0	9.2	8.0
GISSLER A 31	Paddock	133	243	9%	28%	16.0	22.4	13.8	10.6	9.2
JACKSON A 24	Paddock	89	180	8%	30%	10.1	14.5	14.6	11.2	9.7
STEVENS A 14	Paddock	124	231	8%	29%	13.8	19.6	15.0	11.5	10.0
GISSLER B 36	Paddock	121	248	8%	28%	13.5	18.8	15.0	11.5	10.0
GISSLER A 18	Paddock	101	190	8%	31%	10.4	15.0	16.2	12.5	10.8
GISSLER B 31	Paddock	132	251	7%	27%	13.5	18.5	16.3	12.5	10.8
JACKSON A 22	Paddock	114	202	8%	29%	11.3	15.7	16.9	13.0	11.3
GISSLER A 23	Paddock	95	184	6%	27%	8.7	11.9	18.1	13.9	12.1
JACKSON A 25	Paddock	123	189	8%	29%	10.5	14.9	19.4	14.9	12.9
GISSLER A 20	Paddock	66	140	6%	29%	5.6	7.8	19.7	15.2	13.1