

CRAZY HORSE "18" FEDERAL #1

Sec. 18, T19S, R32E
LEA COUNTY, NEW MEXICO

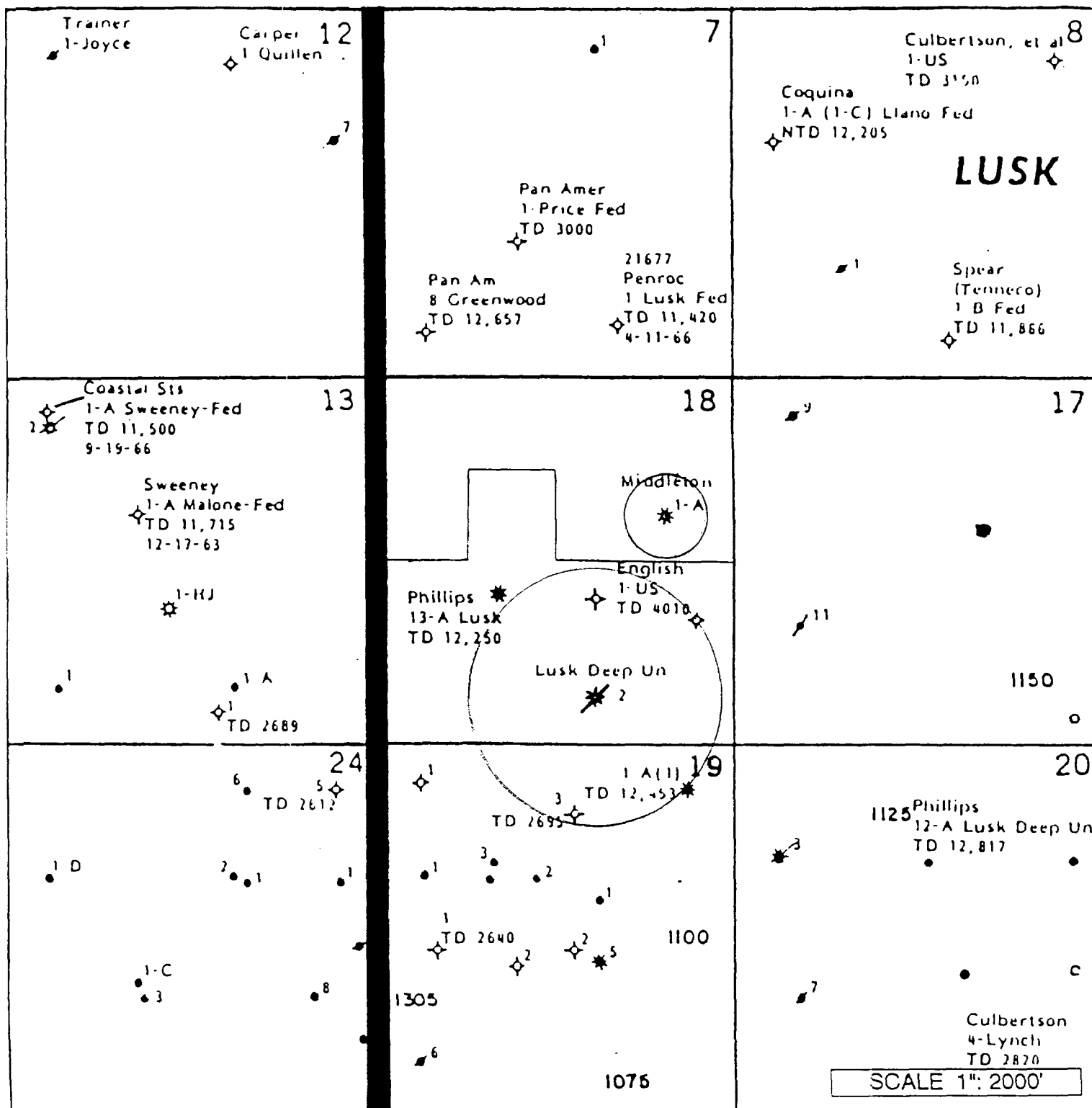
PETROPHYSICAL PARAMETERS & CUMMULATIVE PRODUCTION

PRODUCERS T19S-R32E SECTION 18	STRAWN					ATOKA					MORROW "B"					MORROW "C"				
	h (ft)	Ø (%)	Sw (%)	CUM PROD (MBO) (BCFG)		h (ft)	Ø (%)	Sw (%)	CUM PROD (MBO) (BCFG)		h (ft)	Ø (%)	Sw (%)	CUM PROD (MBO) (BCFG)		h (ft)	Ø (%)	Sw (%)	CUM PROD (MBO) (BCFG)	
LUSK DEEP UNIT "A" COM #13	27	5.3	36	-	-	8	9.1	31	5.1	0.47	20	7.6	30	-	-	22.5	8.2	31	1.0	0.13
MIDDLETON FEDERAL "A" #1	9	7.1	31	44.0	0.10	NA	NA	NA	-	-	NA	NA	NA	-	-	NA	NA	NA	-	-
LUSK DEEP UNIT #2	21	5.8	46	647.0	3.00	NA	NA	NA	-	-	NA	NA	NA	-	-	12	*14	*25	93.0	3.2

* Estimated values

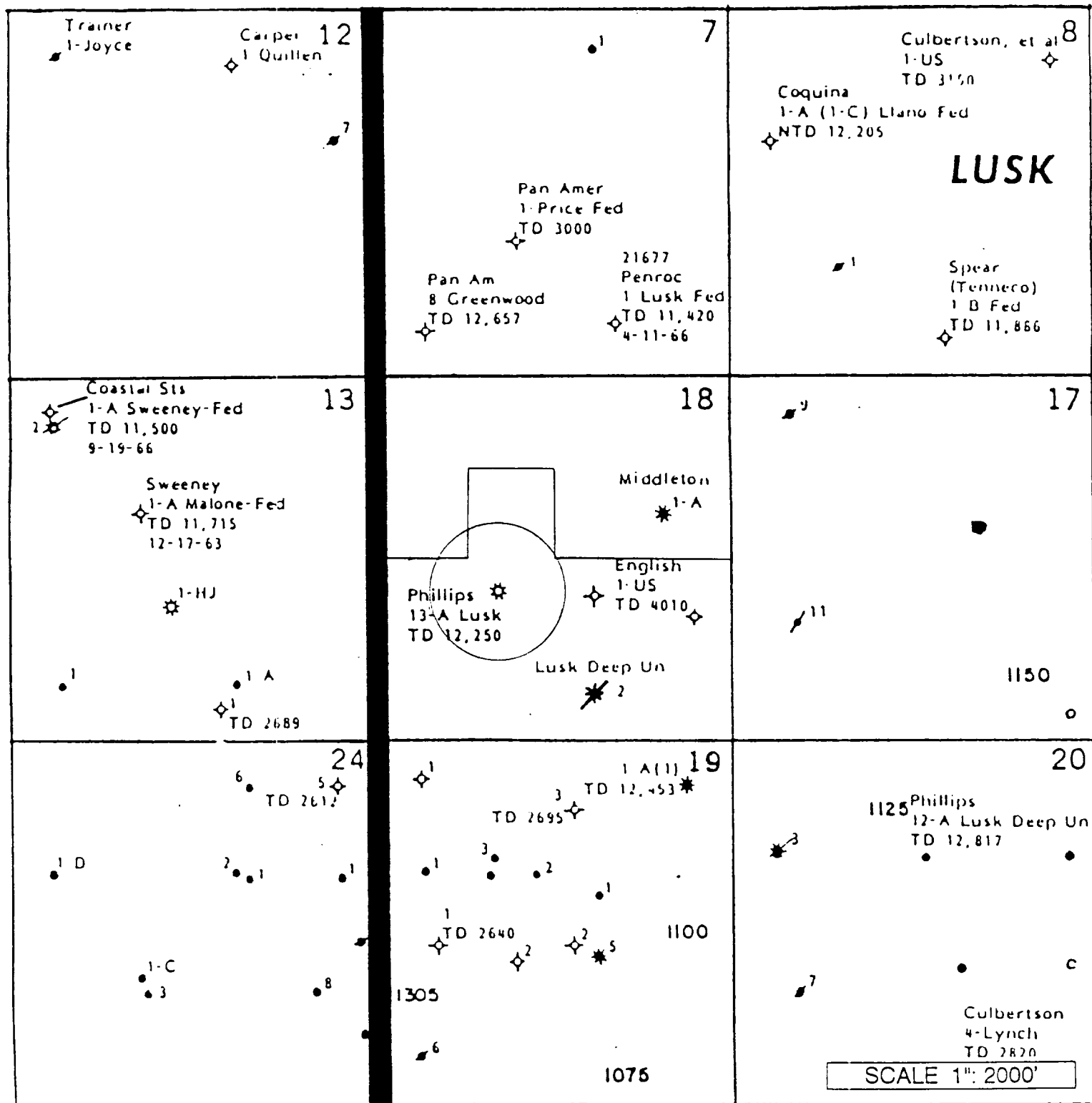
BEFORE EXAMINER CATANACH
OIL CONSERVATION DIVISION
Mitchell EXHIBIT NO. 13
CASE NO. 10511

STRAWN
DRAINAGE AREA ESTIMATES
CRAZY HORSE "18" FEDERAL #1
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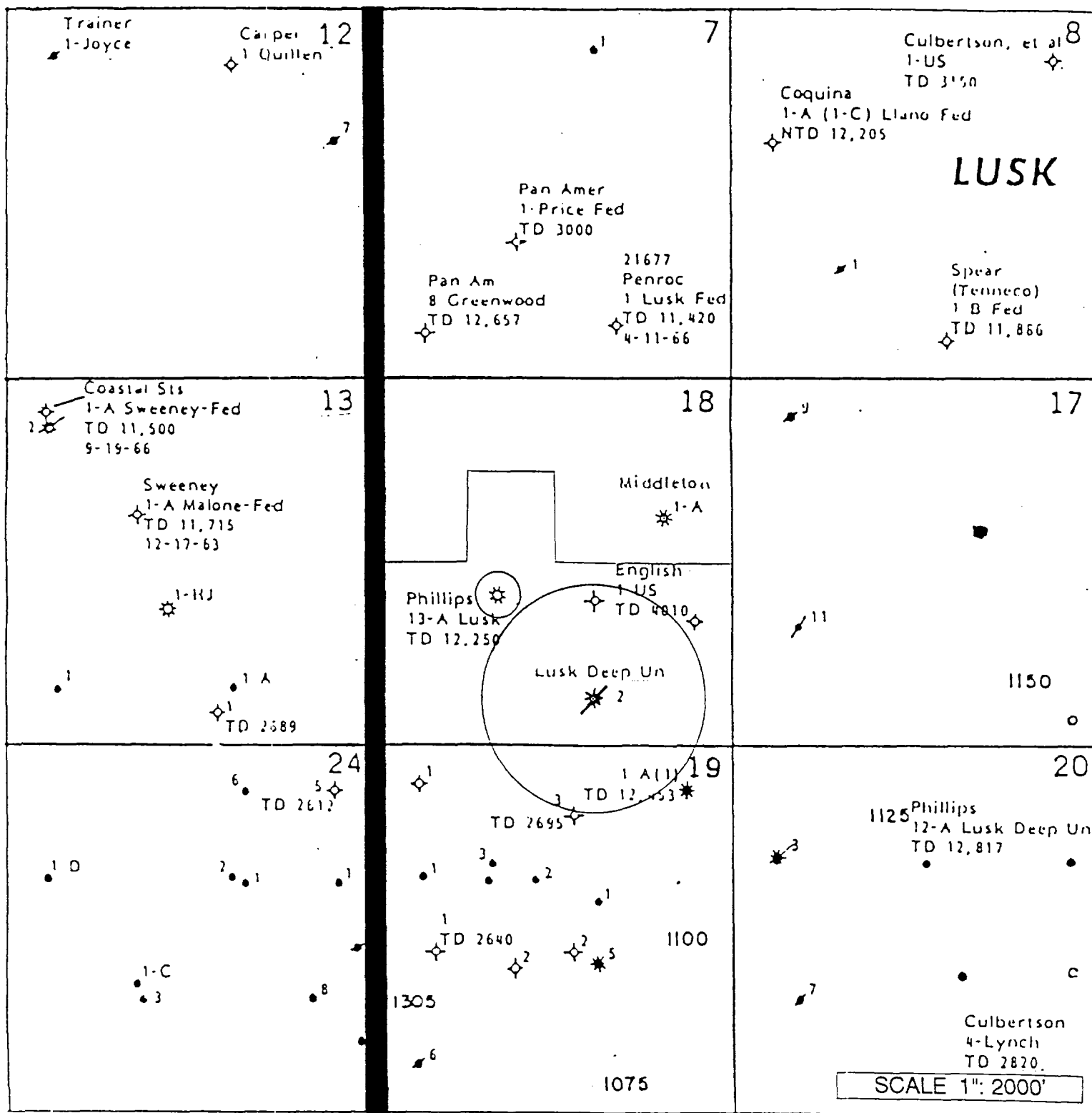
STRAWN PRODUCERS	h (ft)	Ø (")	Sw (%)	CUM PROD (MBO)	OIL IN PLACE (BCFG)	Estimated Drainage Area (Acres)	Drainage Radius (Ft)
MIDDLETON FEDERAL "A" #1	9	7.1	31	44.0	0.10	25	591
LUSK DEEP UNIT #2	21	5.8	46	647.0	3.00	250	1860

ATOKA
DRAINAGE AREA ESTIMATES
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ATOKA PRODUCERS	h (ft)	Ø (%)	Sw (%)	CUM PROD (MBO) (BCFG)	GAS IN PLACE (MCF/AcFt)	Estimated Drainage Area (Acres)	Drainage Radius (Ft)
LUSK DEEP UNIT "A" COM #13	8	9.1	31	5.1 0.47	825	71	992

MORROW 'C'
DRAINAGE AREA ESTIMATES
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MORROW 'C' PRODUCERS	h (ft)	Ø (%)	Sw (%)	CUM PROD		GAS IN PLACE (MCF/AcFt)	Estimated Drainage Area (Acres)	Drainage Radius (Ft)
				(MBO)	(BCFG)			
LUSK DEEP UNIT 'A' COM #13	22.5	8.2	31	1.0	0.13	753	7.6	325
LUSK DEEP UNIT #2	12	*14	*25	93.0	3.20	1397	190	1625

* Estimated values