



File 56A October, 1983	RECOMB. By Recombination To Initial Reservoir Conditions Of Estimated Ultimate Recovery Of Gas And Oil.	INT. TEST By Direct Calculation Of Interference Test Data	Reservoir Per Acre Volume Of Effective Hydrocarbon Pore Space Determined By: $\frac{\Delta P_P}{AREA}$ Comparison Of Production/Pressure Coefficients At Different Fractions Of Undersaturated Oil	PUERTO CHIQUITO MANCOS, EAST	NOTES: (1) Gas Not Sold & Metered Reported GOR's May Not Be Sufficienty Accurate. (2) N.A. Gas Injection Project	PLAT OF PORTION OF SAN JUAN BASIN SHOWING DLS ESTABLISHED BY NMOCD WITH PRODUCTION FROM MANCOS FORMATION	R 2 E R 3 E
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ESTIMATED EFFECTIVE HYDROCARBON PORE SPACE FOR SELECTED POOLS PRODUCING FROM THE MANCOS FORMATION EAST SIDE OF THE SAN JUAN BASIN

		BOULDER	WEST PUERTO CHIQUITO MANCOS
	Estimated Oil-in-Place (MMBbls)	5.5 - 6.0	30 - 50
(1)	Area Contributing (Acres)	1700 - 2200	20,000 - 25,000
Method ('P	Resulting STBO/Acre	2500 - 3500	1200 - 2500
ation A P/	FVF	1.1	1.29
Calcul	Resulting Effective Hydrocarbon Pore Space (Bbls/Acre)	2750 - 3850	1550 - 3225
	(Use) Bbls/Acre	2500 - 4000	1500 - 3000

Calc. Method FVF Hydrocarbon Pore Space Bbls/Acre (Use) Bbls/Acre	N/A N/A N/A N/A	1500 - 2500 1.29 1935 - 3225 2000 - 3000
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- (1) Comparison of production/pressure coefficients at different reservoir fractions of undersaturated oil.
- (2) Direct Calculation of interference test data.

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ESTIMATED EFFECTIVE HYDROCARBON PORE SPACE FOR WEST LINDRITH GALLUP DAKOTA POOL

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(1) Estimated Average Ultimate Recovery (Bbls/Acre)	100 - 150
(2) Estimated Cumulative GOR (CF/Bbl)	10,000
(3) Estimated Solution Gas (CF/Bbl)	500
(4) Produced Gas Originating From 1 Bbl of Produced Oil (CF)	500
(5) Remaining Gas Accompanying 1 Bbl of Produced Oil Which Originated From Oil Left in the Reservoir (CF)	9,500
 (6) ST Bbl of Oil Left in Reservoir Per Bbl of Produced Oil (5) divided by (4) 	19
(7) Total Initial ST Oil in Place l Bbl Produced Plus Bbls Left in Reservoir (6) (Bbls)	20
(8) ST Bbls in Place (7) x (1) (Bbls/Acre)	2000 - 3000
(9) FVF (Estimated)	1.35
(10) Reservoir Effective Hydrocarbon Pore Space (Bbls/Acre)	2700 - 4050
(11) Use (Bbls/Acre)	2500 - 4000

Calculation method: Recombination to initial reservoir conditions of estimated ultimate recovery of gas and oil.