

GEOLOGIST'S CORE REPORT

GULF 951'1

*FL - FLUORESCENCE; N - NONE; F - FAINT; B - BRIGHT; S - SPOTTED.

VIS. - VISIBLE SATURATION; G - G; O - OIL; W - WATER; OW - OIL AND WATER, ETC.

PRD. - PROBABLE PRODUCTION; AS - O - OIL; W - WATER; OW - OIL AND WATER, ETC.

STATE	FIELD	LOCATION		LEASE & WELL			
New Mexico	Airstrip Bone Springs	1980' FSL 990' FEL Section 25-T18S-R34E		Lea "YH" State #4			
FORMATION	TOPPED AT	INTERVAL CORED		ELEVATION	PAGE NO.		
1st Bone Springs	9070'	9262' to 9352'		3976 3961 KB DF	1 OF 1 PGS.		
TYPE MUD	WEIGHT ON BIT	CORE CUT	CORE REC'D	GEOLOGIST	DATE		
Brine Water	16,000 LBS.	60 FT.	43'	S. M. Ingram	3-26-80		
BARREL	MANUFACTURER RPM 44 American Coldset Corporation (ACC)		TYPE	LENGTH	O.D.		
			ACC	60'	6-7/8"		
HEAD	MANUFACTURER ACC EH 5-6 stones/carat		O.D.	SERIAL NO.	CUM. FOOTAGE		
			7-13/16"	16963	146'		
DEPTH	CORING TIME	POROSITY			SHOWS*	DIP	DESCRIPTION (SEE INSTRUCTIONS FRONT COVER)
		20	10	0	FL. VIS. PRD.		
9292-9297'					Good bleed		Dolomite - gray - buff brown, very vugular porosity 10-25%, lined with euhedral - sub- hedral dolomite crystals, some cavities greater than 1 inch dia. (5')
9297-9299'							Dolomite AA, less porous 5-10% (2')
9299-9300'					Trace Oil		Dolomite - vugular porosity greater than 30% lined with euhedral dolomite crystals. (1')
9300-9304'							Dolomite AA, tight less than 5% $\emptyset$ (4')
9304-9307'							Dolomite AA, 10% vugular $\emptyset$ (3')
9307-9308'					Good bleed		Dolomite AA, 10% $\emptyset$ (1')
9308-9314.5'					No bleed		Dolomite AA, 10% $\emptyset$ (6.5')
9314.5-9316.5'							Shale - black, calcareous, dense (2')
9316.5-9318'					Trace Oil		Dolomite - vugular porosity 30%, cavity lined with euhedral dolomite crystals and black solid hydrocarbon-appearing substance (no fluorescence).
9318-9335'							Shale - black, calcareous, dense (17')
							Vugular Porosity (10% and Less) (16.5')
							Vugular Porosity (Greater than 10%) (7.5')