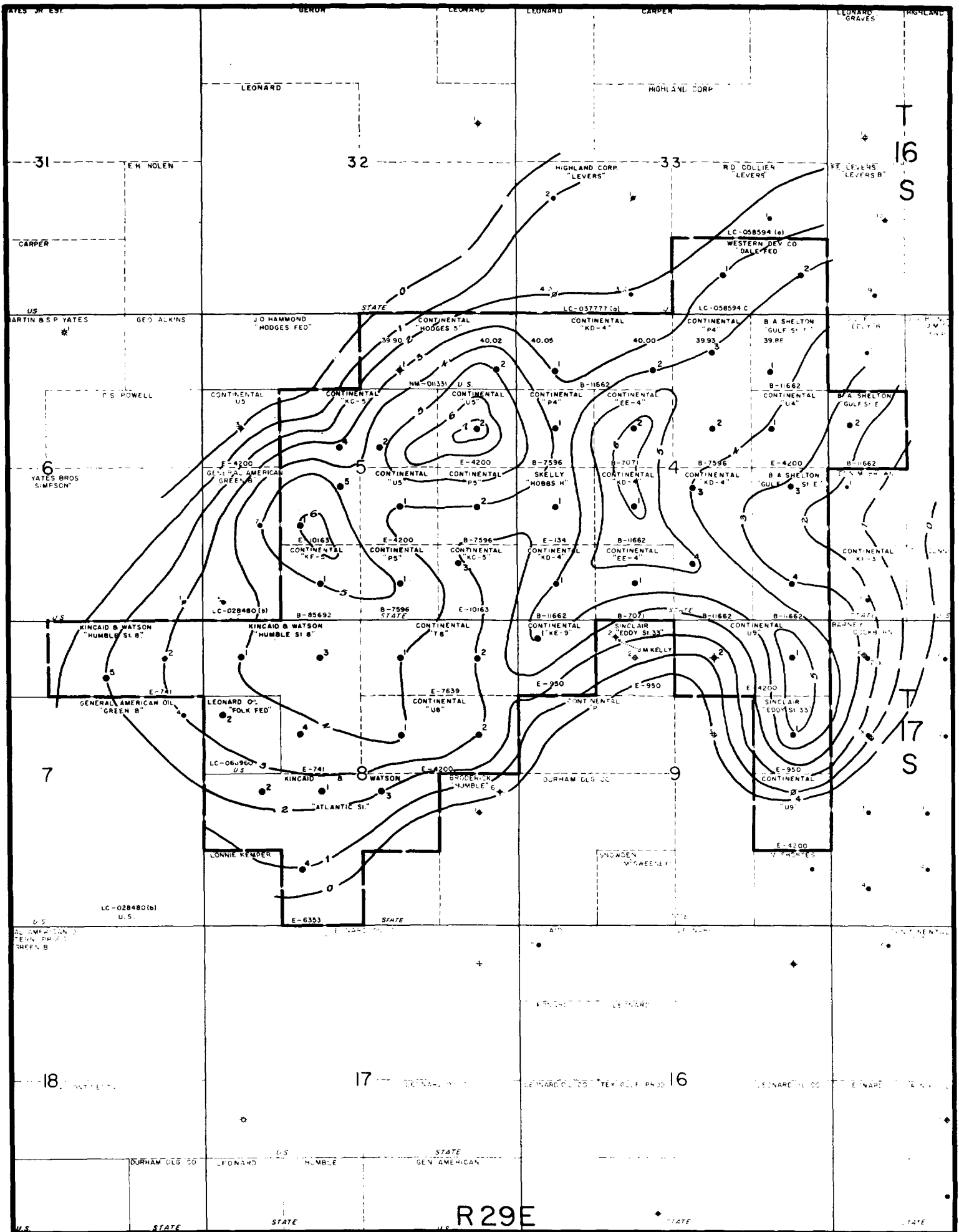




CAVE POOL UNIT EDDY COUNTY, NEW MEXICO LEGEND

ISOPACH MAP

CONTOUR INTERVAL: 1'

SCALE: 1"=2000'

7/20/61

Exhibit V

Exhibit IV

C A V E P O O L U N I T
INJECTION WELL DATA

COMPANY, LEASE AND WELL NO.	TOTAL DEPTH AND/OR PBD	SURFACE CASING		PRODUCTION CASING		PRODUCING INTERVAL (OH)-Open Hole:(P)-Perfs.
		Depth	Cement	Depth	Cement	
CONTINENTAL OIL COMPANY -						
State "EE" 4 No. 1	2,407,PBD 2,390	8-5/8"@ 385'	200 sx	5-1/2"@ 2,407'	100 sx	(P) 2379'-84'
State "EE" 4 No. 2	2,410,PBD 2,403	8-5/8"@ 250'	50 sx	5-1/2"@ 2,410'	100 sx	(P) 2376.5'-84'
State P-4 No. 3	2,440'	7-5/8"@ 718'	350 sx	4-1/2"@ 2,439'	75 sx	(P) 2389'-2401'
State U-4 No. 1	2,430'	7-5/8"@ 726'	350 sx	4-1/2"@ 2,429'	90 sx	(P) 2407'-2415'
State U-5 No. 1	2,450'	7-5/8"@ 702'	350 sx	4-1/2"@ 2,449'	70 sx	(P) 2358'-2382'
State U-5 No. 2	2,490'	7-5/8"@ 729'	350 sx	4-1/2"@ 2,489'	177 sx	(P) 2362'-2382'
State U-8 No. 2	2,450'	7-5/8"@ 715'	350 sx	4-1/2"@ 2,449'	75 sx	(P) 2401'-2411'
State U-9 No. 2	2,490'	7-5/8"@ 683'	350 sx	4-1/2"@ 2,489'	75 sx	(P) 2408'-2424'
State U-9 No. 4	2,466'	7-5/8"@ 701'	350 sx	4-1/2"@ 2,465'	100 sx	(P) 2430'-42'
State T-8 No. 1	2,450'	8-5/8"@ 435'	350 sx	5-1/2"@ 2,449'	540 sx	(P) 2382'-2392'
State KE-9 No. 1	2,417'	8-5/8"@ 256'	100 sx	7" @ 2,370'	200 sx	(OH) 2370'-2417'
State KD-4 No. 1	2,435'	8-5/8"@ 298'	100 sx	5-1/2" @ 2,427'	200 sx	(P) 2368'-2376'
State KD-4 No. 3	2,435'	8-5/8"@ 303'	100 sx	4-1/2"@ 2,434'	200 sx	(P) 2379'-2385'

Cave Pool Unit
Injection Well Data
Page 2

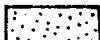
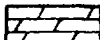
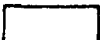
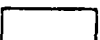
COMPANY, LEASE AND WELL NO.	TOTAL DEPTH AND/OR PBD	SURFACE CASING		PRODUCTION CASING		PRODUCING INTERVAL (OH)-Open Hole: (P)-Perfs.
		Depth	Cement	Depth	Cement	
State KC-5 No. 3	2,391'	8-5/8"@ 261'	100 sx	5-1/2"@ 2,346'	200 sx	(OH) 2346'-2391'
State KC-5 No. 4	2,390'	8-5/8"@ 253'	100 sx	5-1/2"@ 2,345'	200 sx	(OH) 2345'-2390'
State KF-5 No. 1	2,395'	8-5/8"@ 331'	100 sx	7" @ 2,345'	200 sx	(OH) 2345'-2395'
Hodges 5 No. 1	2,500'	8-5/8"@ 212'	100 sx	P & A - No Shows		
<u>KINCAID & WATSON DRILLING COMPANY -</u>						
Humble State No. 1	2,412'	8-5/8"@ 311'	Gel	5-1/2"@ 2,425'	150 sx	(P) 2353'-2383'
Humble State No. 4	2,390'	8-5/8"@ 335'	50 sx	5-1/2"@ 2,356'	100 sx	(OH) 2362'-2390'
Humble State No. 5	2,522'	8-5/8"@ 325'	50 sx	5-1/2"@ 2,522'	100 sx	(P) 2466'-77' 2395'-2405'
Atlantic State No.2	2,383'	8-5/8"@ 350'	50 sx	5-1/2"@ 2,348'	100 sx	(OH) 2348'-83'
Atlantic State No.3	2,414'	8-5/8"@ 337'	50 sx	5-1/2"@ 2,420'	100 sx	(P) 2384'-90'
Atlantic State No.4	2,244'	8-5/8"@ 366'	Gel	5-1/2"@ 2,249'	100 sx	(P) 2223'-2231'
<u>BILL A. SHELTON OIL PROPERTIES -</u>						
Gulf State "E" No.4	2,451'	7-5/8"@ 352'	85 sx	4-1/2"@ 2,451	125 sx	(P) 2420'-2425'
<u>SKELLY OIL COMPANY -</u>						
Hobbs "H" No. 1	2,391'	9-5/8"@ 328'	300 sx	7" @ 2,354'	200 sx	(OH) 2362'-2387'
<u>WESTERN DEVELOPMENT COMPANY -</u>						
Dale Fed. No. 2	2,460,PBD 2,455'	8-5/8"@ 353'	75 sx	5-1/2"@ 2,455'	175 sx	(P) 2403'-16', 2421'- 25', 2428'-34'

CORE LABORATORIES, INC.



Petroleum Reservoir Engineering

COMPANY CONTINENTAL OIL COMPANY DATE ON 2-15-57 FILE NO. WP-3-710 FC
WELL STATE P-5 NO. 1 DATE OFF 2-16-57 ENGRS. BOONE
FIELD CAVE FORMATION AS NOTED ELEV.
COUNTY EDDY STATE NEW MEXICO DRLG. FLD. WATER BASE MUD CORES DIAMOND 4"
LOCATION 660 FS & 1980 FEL SEC 5-T17S-R29E REMARKS SAMPLED AS DIRECTED BY CLIENT

SAND  LIMESTONE  CONGLOMERATE  CHERT 
SHALE  DOLOMITE   

These analyses, opinions or interpretations are based on observations and material supplied by the client to whom and for whose exclusive and confidential use, this report is made. The interpretations or opinions expressed represent the best judgment of Core Laboratories, Inc. All errors and omissions, excepted but Core Laboratories, Inc. and its officers and employees, assume no responsibility and make no warranty or representations as to the productivity, proper operation, or profitability of any oil, gas or other mineral well or sand in connection with which such report is used or relied upon.

COMPLETION COREGRAPH

SCALE: 1 INCH = 20 FEET

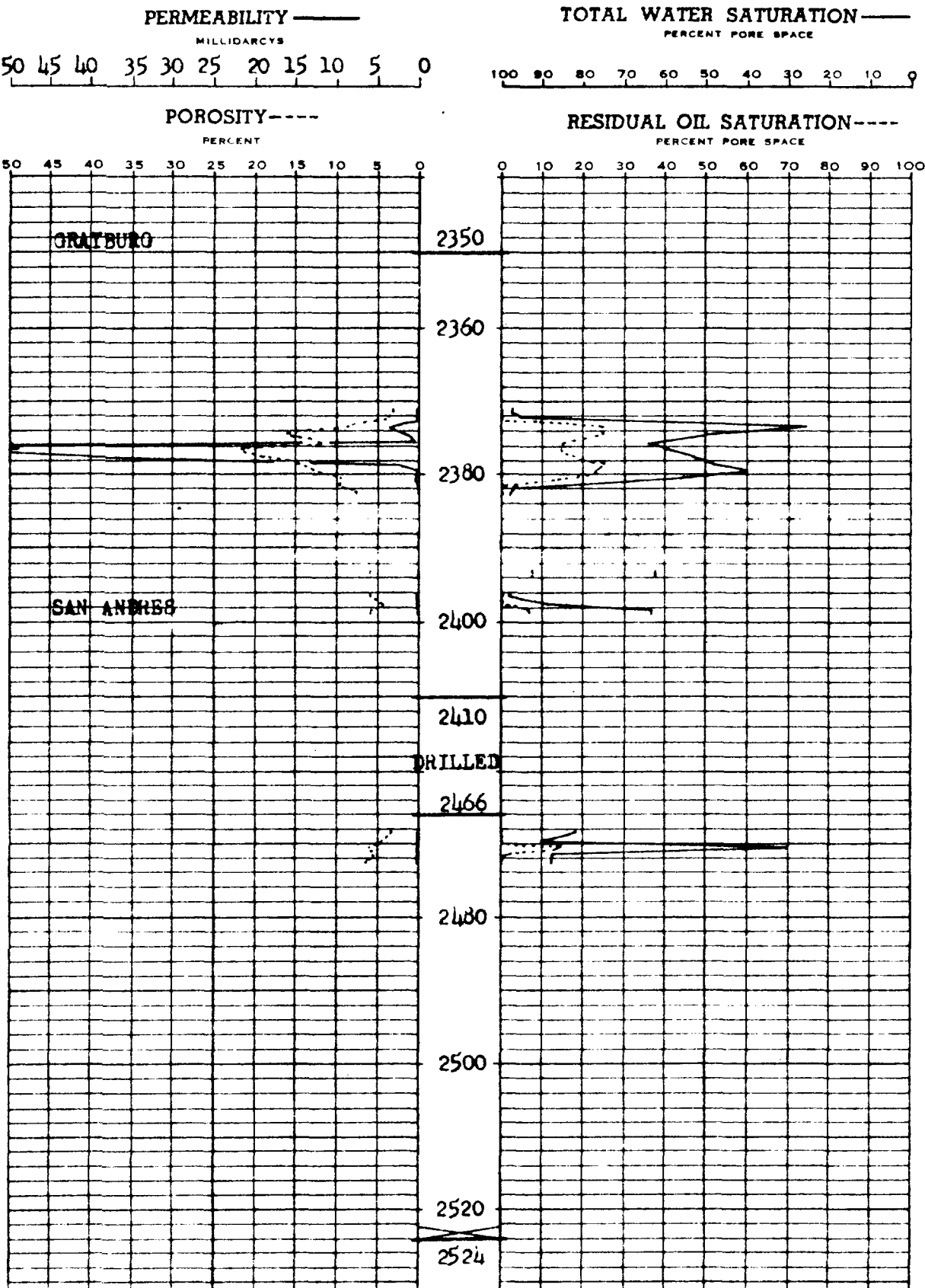


EXHIBIT VIII