

PHILLIPS PETROLEUM CO.

STATE "E" NO. 30

MALJAMAR FIELD

LEA COUNTY, NEW MEXICO

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COMM. ON THE STATUS OF INDIANS

Phillips Petroleum Co.
State "E" No. 30
File: 3102-10259
Procedural Page

The cores were preserved at the wellsite in a CO₂ atmosphere and transported to Midland by Core Laboratories, Inc. personnel.

A Core Gamma Log was recorded for downhole E-log correlation.

Core analysis was made from intervals requested on conventional plug and whole core samples.

Fluid removal and fluid saturations were determined using controlled temperature retorts.

Porosity was determined using conventional and whole core summation of fluids.

Air permeability measured in a horizontal direction.

The core was disposed of.

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WASHINGTON, D.C. 20540

CORE LABORATORIES, INC.
Petroleum Reservoir Engineering
DALLAS, TEXAS

PHILLIPS PETROLEUM COMPANY
STATE NO. 30

DATE: 4-12-77
FORMATION: SAN ANDRES
DRLG. FLUID: BRINE
LOCATION: 1980 FSL 660 FWL SEC 13 T-17-S R-33-E

FILE NO: 3102-10259
ENGINEER: NEFF
ELEVATION:

UTA COUNTY, NEW MEXICO

* INDICATES PLUG PERM

S INDICATES PRESERVED SAMPLE

SAP. NO.	DEPTH	PERM. TO AIR MD.		POROSITY		FLUID SATS.		GR.		DESCRIPTION
		MAXIMUM	90 DEG	VERT.	GEX. FLD.	OIL	WTR.	DEN.	DEN.	
	4427.0-57.0									
	4457.0-58.0									
1	4458.0-59.0					9.7	21.6	41.1		SD, F/G
2	4459.0-60.0					12.5	12.4	28.0		SD, F/G
3	4460.0-61.0					9.7	6.8	15.4		SD, FG, SHR-GILSONITIC
4	4461.0-62.0					11.2	5.8	26.5		SD, FG, SHR-GILSONITIC
5	4462.0-63.0					12.8	11.7	23.3		SD, FG, SHR-GILSONITIC
6	4463.0-64.0					10.0	6.9	39.3		SD, FG, SHR-GILSONITIC
7	4464.0-65.0					8.7	13.4	13.4		SD, F/G
8	4465.0-66.0					6.3	11.1	25.4		SD, F/G
	4466.0-74.0									
	4474.0-76.5									
	4476.5-79.0									
	4479.0-14.0									
9	4514.0-15.0					2.4	0.0	62.8		DOL, F/G, SDY
10	4515.0-16.0					2.5	0.0	48.9		DOL, F/G, SDY
11	4516.0-17.0					4.6	0.0	44.8		DOL, F/G, SDY
12	4517.0-18.0					4.4	16.7	28.7		DOL, F/G, SDY
	4518.0-33.0									

WHOLE CORE AND CONVENTIONAL ANALYSIS

These analyses, opinions or interpretations are based on observations and materials 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 operations, or profitability of any oil, gas or other mineral well or sand in connection with which such report is used or relied upon.

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DALLAS, TEXAS

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LEA COUNTY, NEW MEXICO

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* INDICATES PLUG PERM S INDICATES PRESERVED SAMPLE

SMP. NO.	DEPTH	PERM. TO AIR MD. MAXIMUM 90 DEG	VERT.	POROSITY GEX. FLD.	FLUID SATS. OIL WTR.	GR. DEN.	DESCRIPTION
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WHOLE CORE AND CONVENTIONAL ANALYSIS

4533.0-35.0	LOST CORE						
4535.0-46.0	DOL,SL/SHY						
4546.0-48.0	SD,DOL						
4548.0-60.0	DOL,SL/SHY						
13 4560.0-61.0	1.0	9.2	22.6	34.4			SD,F/G,SHY
4561.0-70.0	DOL,SL/SHY						
14 4570.0-71.0	1.0	13.6	21.7	34.7			SD,F/G,SHY
15 4571.0-72.0	1.0	10.9	22.5	32.4			SD,F/G,SHY
16 4572.0-73.0	0.6	13.5	31.4	42.8			SD,F/G,SHY
17 4573.0-74.0	<0.1	7.0	0.0	75.4			SD,F/G,SHY
4574.0-76.0	DOL,SL/SHY						
18 4576.0-77.0	<0.1	6.6	0.0	76.4			SD,SHY
4577.0-85.0	DOL,SL/SHY						
4585.0-86.0	SD,SHY						

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CORE LABORATORIES, INC.
Petroleum Reservoir Engineering
DALLAS, TEXAS

PHILLIPS PETROLEUM COMPANY
STATE NO. 30

DATE: 4-12-77
FORMATION: SAN ANDRES

FILE NO: 3102-10259
ENGINEER: NEFF

SMP. NO.	DEPTH	PERM. TO AIR MD.		POROSITY		FLUID SATS.		GR. DEN.	DESCRIPTION
		MAXIMUM	90 DEG	VERT.	GEX. FLD.	OIL	WTR.		
	4586.0-87.0	DOL,SHY							
	4587.0-89.0	SD,SHY							
	4589.0-91.0	SD,DOL,BREC							
	4591.0-92.0	LOST CORE							
	4592.0-02.0	DOL,ANHY,SL/SHY							
	4602.0-15.0	DOL,ANHY							
	4615.0-18.0	DOL,ANHY,SL/SHY							
	4618.0-38.0	DOL,ANHY							
19	4638.0-39.6	0.4	0.3		3.1	9.1	60.9		DOL,ANHY,STY, HEALED FRAC
20	4639.6-40.6	<0.1	<0.1		3.1	10.0	60.0		DOL,ANHY,STY, HEALED FRAC
21	4640.6-42.0	1.4	1.1		3.7	6.8	69.5		DOL,ANHY,SL/FRAC
22	4642.0-43.5	1.9	1.7		3.9	8.2	49.2		DOL,ANHY,FRAC
23	4643.5-45.0	2.1	2.0		4.2	7.7	53.9		DOL,ANHY,SL/FRAC
24	4645.0-46.0	0.2	<0.1		2.1	5.1	59.3		DOL,ANHY,FRAC
	4646.0-50.0	DOL,ANHY							
	4650.0-50.5	DOL,ANHY							
25	4650.5-51.5	0.3	0.2		2.1	12.7	54.6		DOL,ANHY,SL/FRAC,STY
	4651.5-56.5	DOL,ANHY							

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		MAXIMUM	90 DEG	GEX.	FLD.	OIL	WTR.		
26	4656.5-58.0	0.8	0.4		5.5	5.6	55.9		DOL, ANHY, FRAC, STY
27	4658.0-59.0	0.2	0.1		3.1	8.1	75.6		DOL, ANHY, SL/FRAC, STY
	4659.0-59.5	DOL, ANHY							
28	4659.5-61.0	0.2	0.1		3.6	6.7	73.1		DOL, ANHY, SL/FRAC
	4661.0-62.5	DOL, ANHY							
29	4662.5-64.0	1.0	0.6		6.3	5.8	45.3		DOL, ANHY, FRAC, STY
	4664.0-64.5	DOL, ANHY							
30	4664.5-65.5	0.4	0.3		5.5	5.4	45.0		DOL, ANHY, SL/FRAC, STY
31	4665.5-67.0	0.2	0.1		4.0	4.5	78.6		DOL, ANHY, SL/FRAC, STY
32	4667.0-68.0	<0.1	<0.1		1.6	10.8	73.0		DOL, ANHY, SL/FRAC, STY
	4668.0-76.0	DOL, ANHY							
	4676.0-85.0	DOL, SHY							
	4685.0-85.0	DOL, ANHY							

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