

CUHE LABORATORIES, INC.  
 Petroleum Reservoir Engineering  
 DALLAS, TEXAS

DEPCO, INCORPORATED  
 BEALL FEDERAL NO. 1  
 WILDCAT  
 CHAVES COUNTY, NEW MEXICO

DATE: 7/31/75  
 FORMATION: SAN ANDRES  
 DRLG. FLUID:  
 LOCATION: SEC17 T11S R30E

FILE NO.: 621-9642  
 ENGINEER: NEFF  
 ELEVATION: 3952 KB

\* INDICATES PLUG PERM S INDICATES PRESERVED SAMPLES

SMP. NO.	DEPTH	PERM. TO AIR MD. MAX.	90°	WHOLE CORE ANALYSIS			GR. DEN.	DESCRIPTION
				POROSITY GEX FLD	FLUID SATS. OIL WTR.			
1	3250.0-51.2	0.2	<0.1	2.2	25.0	52.1		DOLOMITE, ANHY, FRAC, S
2	51.2-53.0	<0.1	<0.1	2.1	5.6	82.0		DOLOMITE, ANHY, STY
3	53.0-54.4	0.1	<0.1	1.8	27.8	56.9		DOLOMITE, ANHY, SL/FAC
4	54.4-56.0	0.2	0.1	0.9	17.2	44.8		DOLOMITE, ANHY, SL/FAC, STY
5	56.0-57.5	0.4	0.3	5.3	2.5	85.6		DOLOMITE, ANHY
6	57.5-59.0	0.9	<0.1	5.6	4.6	78.4		DOLOMITE, ANHY, VERT FRAC, FI
7	59.0-60.0	0.9	0.8	6.6	5.1	70.5		DOLOMITE, ANHY, FRAC
8	60.0-61.0	4.9	<0.1	1.2	25.0	34.4		DOLOMITE, ANHY, VERT FRAC, FI
	3261.0-68.0							DOLOMITE, ANHY
9	3268.0-69.0	<0.1	<0.1	2.2	17.2	55.2		DOLOMITE, ANHY, STY
	3269.0-78.0							DOLOMITE, ANHY
10	3278.0-79.0	<0.1	<0.1	2.1	7.5	55.2		DOLOMITE, ANHY, VERT FRAC
11	79.0-80.3	<0.1	<0.1	2.4	13.3	56.7		DOLOMITE, ANHY, VERT FRAC, ST
12	80.3-81.6	<0.1	<0.1	2.1	14.8	48.1		DOLOMITE, ANHY, STY
	3281.6-86.0							DOLOMITE, ANHY
13	3286.0-87.5	2.4	0.5	2.8	5.6	68.5		DOLOMITE, ANHY, STY
14	87.5-88.6	0.2	<0.1	2.7	20.0	53.7		DOLOMITE, ANHY, VERT FRAC, ST
15	88.6-89.7	<0.1	<0.1	7.1	12.7	27.5		DOLOMITE, ANHY, SHY
16	89.7-91.0	<0.1	*	7.1	10.3	33.2		DOLOMITE, ANHY, VERT FRAC
17	91.0-92.0	<0.1	*	3.6	0.0	53.1		DOLOMITE, ANHY, FRAC
18	92.0-93.0	<0.1	*	4.3	0.0	57.1		DOLOMITE, ANHY, FRAC
19	93.0-94.0	<0.1	*	2.0	0.0	59.1		DOLOMITE, ANHY, FRAC
20	94.0-95.0	<0.1	*	1.6	0.0	50.0		DOLOMITE, ANHY, FRAC, STY
	3295.0-01.0-							DOLOMITE, ANHY, FRAC

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		MAX.	90°	GEX	FID	OIL	WTR.	DEN.		
21	3301.0-21.0 3321.0-24.0 3324.0-25.0	0.2	0.1	2.7	6.1	45.5				DOLomite, ANHY LOST CORE DOLomite, ANHY, SL/VGY
22	25.0-26.4	0.8	0.6	3.5	5.4	51.6				VERT FRAC DOLomite, ANHY, SL/VGY
23	26.4-28.0 3328.0-32.0	<0.1	<0.1	2.9	7.0	52.1				VERT FRAC DOLomite, ANHY
24	3332.0-33.4	<0.1	<0.1	3.9	2.8	69.7				DOLomite, ANHY
25	33.4-34.6	<0.1	<0.1	5.5	2.6	66.5				DOLomite, ANHY
26	34.6-35.7	<0.1	<0.1	3.0	5.9	61.2				DOLomite, ANHY
27	35.7-37.0	0.2	0.1	6.5	5.1	36.2				DOLomite, SHY
28	37.0-38.0	<0.1	<0.1	3.9	5.7	67.8				DOLomite, SL/FRAC
29	38.0-39.0	0.2	0.2	6.9	2.9	63.1				DOLomite
30	3339.0-50.0 3350.0-51.1	<0.1	<0.1	2.7	8.5	74.6				DOLomite, SL/VGY
31	51.1-52.3	<0.1	<0.1	2.4	9.8	68.3				DOLomite, ANHY
32	52.3-54.0 3354.0-55.0	<0.1	<0.1	2.9	22.7	58.0				LINE, SL/FRAC
33	3355.0-56.5	<0.1	*	4.9	9.1	50.0				LINE, ANHY
34	56.5-58.0 3358.0-59.0	0.2	*	5.1	10.0	54.0				LINE
35	3359.0-60.5	0.4	0.3	3.1	16.5	51.5				LINE, ANHY
36	60.5-62.0	1.4	1.1	8.5	7.3	39.9				LINE, ANHY, FRAC
37	62.0-63.5	0.7	0.7	10.3	1.2	67.2				LINE, ANHY, FRAC
38	63.5-65.0	<0.1	*	5.1	1.8	66.3				LINE, ANHY, FRAC, STY
39	65.0-66.0 3366.0-71.0	<0.1	*	4.5	3.7	64.2				LINE, ANHY, FRAC, STY
40	3371.0-73.0 3373.0-74.0	1.0	<0.1	4.7	0.0	65.1				LINE, ANHY, FRAC LOST CORE

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OIL CONSERVATION COMM.  
HOBS, N. M.

JUN 27 1977

GRABER