

CORE LABORATORIES

Company : CHEVRON
Well : G. C. MATTHEWS NO. 12
Location : 330' FSL & 990' FEL, SEC. 6, T-20-S, R-37-E
Co, State : LEA COUNTY, NEW MEXICO

Field : WEST MONUMENT TUBB GAS
Formation : TUBB
Coring Fluid : FRESH WATER
Elevation : 3567' KB

File No.: 57181-18430
Date : 11-12-01
API No. : 30-025-05953
Analysts: FULLINWIDER

SIDEWALL CORE ANALYSIS RESULTS

12/02/01

SAMPLE NUMBER	DEPTH ft	Sample Rec. in.	PERMEABILITY (HORIZONTAL) md	POROSITY (HELIUM) %	SATURATION		SATURATION		GRAIN DENSITY gm/cc	GAS DETECTOR UNITS	DESCRIPTION
					(PORE VOLUME) OIL %	(PORE VOLUME) WATER %	(BULK VOLUME) OIL %	(BULK VOLUME) GAS %			

DRILLED SIDEWALL ANALYSIS

Blindery											
2	6175.0	1.8	104.	20.6	3.6	44.0	0.7	10.8	2.85	50.	Dol, pp, 0% flu gd cut
3	6290.0	1.8	0.01	6.0	4.8	83.3	0.3	0.7	2.76	10.	Ststn dk gry, dol, sl calc, 5% br yel flu
4	6307.0	1.8	0.06	4.3	5.5	84.7	0.2	0.4	2.76	4.	Sd gry, vf gr, dol, 5% dull yel flu
5	6310.0	1.8	0.04	6.3	2.3	69.1	0.1	1.8	2.76	24.	Sd gry, vf gr, dol, 5% dull yel flu
6	6313.0	1.7	0.10	10.1	4.2	55.1	0.4	4.1	2.72	62.	Sd gry, vf gr, dol, 5% dull yel flu
7	6316.0	1.6	1.49	14.9	6.0	50.6	0.9	6.5	2.70	195.	Sd gry, vf gr, dol, 5% dull yel flu
8	6319.0	1.8	0.03	7.5	4.4	59.1	0.3	2.7	2.73	58.	Sd gry, vf gr, dol, 5% dull yel flu
9	6331.0	1.9	<0.01	0.4	1.7	34.8	0.0	0.3	2.71	6.	Sd gry, 5% dull yel flu
10	6339.5	1.8	0.04	2.6	4.9	35.2	0.1	1.6	2.58	150.	Ststn dk gry, calc, shr, foss, 5% yel flu
11	6350.0	1.9	0.01	1.1	3.8	87.1	0.0	0.1	2.69	1.	Lim, 5% dull yel flu
12	6353.0	1.8	0.01	9.3	3.4	74.7	0.3	2.0	2.78	40.	Sd gry, vf gr, dol, 5% dull yel flu
13	6355.0	1.8	1.84	16.4	1.7	37.6	0.3	10.0	2.79	60.	Sd gry, vf gr, dol, 5% dull yel flu
14	6358.0	1.8	0.03	8.4	7.0	43.1	0.6	4.2	2.80	195.	Sd gry, vf gr, dol, 5% dull yel flu
15	6361.0	1.5	0.03	7.1	4.8	82.3	0.3	0.9	2.69	36.	Sd gry, vf gr, dol, 0% flu tr cut
16	6374.0	1.8	<0.01	6.4	5.3	31.8	0.3	4.0	2.75	120.	Sd sl dol, foss, 0% flu tr cut
17	6382.0	1.3	0.36	8.4	5.0	38.2	0.4	4.8	2.80	78.	Lim, dol, 5% dull yel flu
18	6390.0	1.9	0.04	5.3	2.5	89.2	0.1	0.4	2.78	7.	Sd gry, vf gr, dol, 10% dull yel flu
19	6392.5	2.0	0.01	4.7	1.0	88.4	0.0	0.5	2.77	3.	Sd gry, vf gr, dol, 10% yel flu
20	6400.0	1.7	0.01	4.0	1.3	49.3	0.1	2.0	2.78	0.	Sd gry, vf gr, dol, calc, foss, 5% dull yel flu
21	6404.0	1.3	0.06	7.1	4.7	23.8	0.3	5.1	2.71	60.	Lim, 5% yel flu
22	6411.0	1.6	0.04	6.9	4.7	28.5	0.3	4.6	2.74	48.	Lim, dol, 0% flu tr cut
23	6419.0	2.0	0.02	6.1	6.3	82.2	0.4	0.7	2.83	70.	Dolo, sl sd, sl pyr, sh lam, 5% yel flu
24	6424.0	1.7	0.09	2.7	5.1	72.0	0.1	0.6	2.83	38.	Dolo, sl calc, 5% yel flu
25	6433.0	2.0	<0.01	6.5	6.9	75.6	0.4	1.1	2.85	11.	Dolo, frac, tr yel flu in frac

P = "PAY" per CHEVRON EXH #12

BEFORE THE

OIL CONSERVATION COMMISSION

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Case No. 12605 Denovo Exhibit No. 34

Submitted By:

Sapient Energy Corp.

Hearing Date: November 6, 2001