

ARGONAUT ENERGY CORPORATION
CLINESMITH NO. 1 WELL

WILSON COUNTY, KANSAS

DATE: 12-7-82
FORMATION: BARTLESVILLE SAND
DRILG. FLUID: WATER BASE MUD
LOCATION: SEC. 4-27N-15E
5

FILE NO: 3402-11502
ANALYST: EDWARDS
LABORATORY: OKLAHOMA CITY

FULL DIAMETER ANALYSIS

SMP. NO.	DEPTH FEET	PERM. TO AIR MD.			POROSITY PERCENT	FLUID SATS.		GRAIN DEN.	DESCRIPTION
		MAXIMUM	90 DEG.	PLUG H		OIL	WATER		
1	1250.0-51.0	124	117	308	17.1	13.7	56.1	2.67	SD, MICA
2	1251.0-52.0	10	8.40	16	12.2	8.8	63.7	2.71	SD, SH LAMS
+ 3	1252.0-53.0	2.30	0.70	0.12	10.4	11.4	82.4	2.76	SD, SH LAMS
4	1253.0-54.0	0.90	0.70	2.80	11.3	11.9	76.4	2.72	SD, SH LAMS
5	1254.0-55.0	0.90	0.80	0.56	11.0	11.1	80.4	2.77	SD, SH LAMS
+ 6	1255.0-56.0	16	6.90	9.80	11.5	9.1	75.0	2.70	SD, SH LAMS
7	1256.0-57.0	5.20	5.10	2.20	13.5	12.6	59.2	2.69	SD, SH LAMS
8	1257.0-58.0	1.80	1.60	4.70	12.3	10.0	69.1	2.72	SD, SH LAMS
9	1258.0-59.0	7.70	3.20	7.90	12.5	9.3	71.2	2.74	SD, SH LAMS
10	1259.0-60.0	196	188	289	18.8	28.3	33.9	2.66	SD, MICA
11	1260.0-61.0	189	189	112	16.8	27.3	37.2	2.67	SD
12	1261.0-62.0	156	156	170	18.8	24.4	36.7	2.66	SD
13	1262.0-63.0	148	148	182	18.4	29.1	30.5	2.69	SD
14	1263.0-64.0	146	134	184	18.2	25.0	38.8	2.66	SD
15	1264.0-65.0	68	64	85	18.1	26.6	36.0	2.67	SD
16	1265.0-66.0	44	44	9.40	17.2	29.0	31.8	2.69	SD, MICA
17	1266.0-67.0	57	56	68	18.8	31.8	24.5	2.67	SD, MICA
18	1267.0-68.0	0.40	0.40	3.30	10.8	20.6	72.8	2.73	SH, W/SD LAMS
19	1268.0-69.0	46	46	65	18.7	16.8	45.0	2.68	SD, SH LAMS, MICA
20	1269.0-70.0	69	61	90	19.2	16.2	48.8	2.68	SD, MICA, VF
21	1270.0-71.0	5.40	5.40	13	16.3	38.0	48.0	2.66	SD, MICA
+ 22	1271.0-72.0	18	17	78	16.9	35.2	45.9	2.66	SD, MICA, SH/INCL
+ 23	1272.0-73.0	30	27	25	18.0	27.7	45.7	2.66	SD, MICA
24	1273.0-74.0	13	13	27	17.0	33.7	46.4	2.66	SD, MICA
25	1274.0-75.0	13	12	56	13.1	14.4	67.1	2.66	SD, SH LAMS, MICA
26	1275.0-76.0	41	39	40	18.6	18.0	50.2	2.65	SD, MICA
27	1276.0-77.0	62	62	75	19.3	18.4	49.6	2.69	SD, MICA

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SMP. NO.	DEPTH FEET	PERM. TO AIR MD.			POROSITY PERCENT	FLUID OIL	SATS. WATER	GRAIN DEN.	DESCRIPTION
		MAXIMUM	90 DEG.	PLUG H					
28	1277.0-78.0	92	92	138	17.7	19.6	46.0	2.66	SD, MICA
29	1278.0-79.0	163	163	206	19.0	20.4	46.6	2.66	SD, MICA
30	1279.0-80.0	101	101	221	18.8	20.5	45.9	2.66	SD, MICA
31	1280.0-81.0	64	64	87	18.8	13.6	51.3	2.66	SD, MICA
32	1281.0-82.0	119	119	136	19.4	23.8	47.2	2.66	SD, MICA
33	1282.0-83.0	112	112	97	18.5	24.0	45.1	2.66	SD, MICA
34	1283.0-84.0	115	115	250	18.9	24.2	45.5	2.69	SD, MICA
35	1284.0-85.0	56	56	32	16.9	19.5	51.8	2.67	SD, MICA
36	1285.0-86.0	95	95	61	18.7	21.0	46.7	2.74	SD, MICA
37	1286.0-87.0	86	86	129	18.3	21.9	47.7	2.67	SD, MICA
38	1287.0-88.0	116	116	199	16.9	14.8	50.4	2.66	SD, MICA, SH/INCL
39	1288.0-89.0	176	171	306	20.5	21.3	45.1	2.68	SD, MICA
40	1289.0-90.0	160	154	194	20.7	22.2	43.8	2.68	SD, MICA
41	1290.0-91.0	98	98	114	19.2	19.0	50.3	2.69	SD, MICA
42	1291.0-92.0	181	168	114	20.5	19.8	48.4	2.69	SD, MICA
43	1292.0-93.0	87	84	56	18.7	15.8	52.3	2.73	SD, MICA
44	1293.0-94.0	416	416	865	24.7	23.1	45.2	2.73	SD, MICA
45	1294.0-95.0	404	404	711	23.2	15.1	48.8	2.72	SD, MICA
46	1295.0-96.0	*	274	274	22.6	16.0	52.4	2.79	SD, SL/LMY, MICA, SL/DOL
47	1296.0-97.0	44	44	15	22.1	13.0	69.5	2.75	SD, SL/LMY, MICA, SL/DOL
48	1297.0-98.0	148	145	182	22.8	11.0	64.4	2.73	SD, SL/LMY, MICA, SL/DOL
49	1298.0-99.0	85	85	138	24.6	20.7	59.3	2.75	SD, SL/LMY, MICA, SL/DOL
50	1299.0- 0.0	93	93	116	24.8	16.7	58.5	2.71	SD, SL/LMY, MICA, SL/DOL
51	1300.0- 1.0	52	52	56	23.8	13.5	63.3	2.73	SD, SL/LMY, MICA, SL/DOL
52	1301.0- 2.0	14	14	19	24.1	2.1	80.0	2.75	SD, SL/LMY, MICA, SL/DOL
53	1302.0- 3.0	4.20	4.00	4.10	21.9	1.9	90.0	2.85	SD, SL/LMY, MICA, SL/DOL
54	1303.0- 4.0	6.70	5.40	2.80	21.6	0.6	87.9	3.03	SD, SL/LMY, MICA, SL/DOL SID
55	1304.0- 5.0	9.60	9.60	15	22.8	2.5	75.7	2.75	SD, SL/LMY, SL/DOL
56	1305.0- 6.0	0.80	0.70	0.38	20.2	3.1	83.0	2.77	SD, SL/LMY, SL/DOL

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57	1306.0- 7.0	2.50	2.30	1.40	20.0	1.9	82.3	2.94	SD,SL/LMY,SL/DOL,SID
58	1307.0- 8.0	0.40	0.40	0.29	19.2	0.0	85.3	2.77	SD,SL/LMY,SL/DOL
59	1308.0- 9.0	5.00	5.00	1.10	21.0	0.0	77.3	2.84	SD,SL/LMY,SL/DOL,SID
1309.0-1310.0		LOST CORE							
60	1310.0-11.0	0.80	0.60	0.50	19.8	0.0	81.8	2.75	SD,SL/LMY,MICA,SL/DO
61	1311.0-12.0	3.10	2.40	1.20	17.3	0.0	79.2	2.96	SD,SL/LMY,MICA,SL/DO SID
62	1312.0-13.0	4.30	3.10	15	17.4	0.0	86.2	2.96	SD,SL/LMY,MICA,SL/DO SID
63	1313.0-14.0	1.50	1.20	0.29	17.5	0.0	84.7	2.88	SD,SL/LMY,MICA,SL/DO
64	1314.0-15.0	1.00	1.00	0.89	21.8	1.9	82.4	2.77	SD,SL/LMY,SL/DOL
65	1315.0-16.0	15	9.10	6.10	23.8	2.0	82.0	3.02	SD,SL/LMY,SL/DOL,SID
+ 66	1316.0-17.0	116	32	0.79	23.1	2.2	83.2	2.83	SD,SL/LMY,SL/DOL,VF
67	1317.0-18.0	16	16	27	24.9	1.8	73.6	2.73	SD,SL/LMY,SL/DOL

* DENOTES PLUG PERM
+ DENOTES HORIZONTAL CRACKS

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ROUTINE PLUG SUMMATION OF FLUIDS

SMP. NO.	DEPTH FEET	PERM. TO AIR MD.	POROSITY PERCENT	FLUID OIL	SATS. WATER
1	1250.0-51.0		17.6	29.4	30.7
2	1251.0-52.0		9.7	11.7	72.8
3	1252.0-53.0		12.3	32.8	25.1
4	1253.0-54.0		9.9	8.9	81.4
5	1254.0-55.0		9.6	9.5	78.5
6	1255.0-56.0		15.4	30.6	35.2
7	1256.0-57.0		14.3	23.3	46.5
8	1257.0-58.0		14.5	20.2	40.4
9	1258.0-59.0		14.4	29.2	32.4
10	1259.0-60.0		12.3	51.3	36.9
11	1260.0-61.0		21.1	36.7	24.1
12	1261.0-62.0		21.9	37.0	22.0
13	1262.0-63.0		19.9	36.0	25.8
14	1263.0-64.0		19.5	29.8	28.7
15	1264.0-65.0		19.9	28.0	30.2
16	1265.0-66.0		17.0	29.7	32.4
17	1266.0-67.0		17.0	38.2	32.7
18	1267.0-68.0		13.0	30.9	43.6
19	1268.0-69.0		14.0	22.1	56.5
20	1269.0-70.0		16.9	23.9	43.6
21	1270.0-71.0		15.2	31.4	44.0
22	1271.0-72.0		16.4	41.9	33.2
23	1272.0-73.0		19.8	38.0	31.3
24	1273.0-74.0		18.7	36.6	30.5
25	1274.0-75.0		20.7	32.5	29.3
26	1275.0-76.0		17.1	26.2	39.9
27	1276.0-77.0		21.3	25.2	31.5

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SMP. NO.	DEPTH FEET	PERM. TO AIR MD.	POROSITY PERCENT	FLUID OIL	SATS. WATER
28	1277.0-78.0		17.5	26.4	29.0
29	1278.0-79.0		16.5	25.5	39.6
30	1279.0-80.0		19.1	28.8	34.8
31	1280.0-81.0		12.1	7.2	74.5
32	1281.0-82.0		18.8	29.4	33.0
33	1282.0-83.0		18.8	33.1	35.5
34	1283.0-84.0		18.5	30.5	28.1
35	1284.0-85.0		17.0	27.0	33.8
36	1285.0-86.0		19.2	28.1	31.6
37	1286.0-87.0		20.0	31.9	34.1
38	1287.0-88.0		19.4	28.2	34.1
39	1288.0-89.0		21.0	28.4	30.5
40	1289.0-90.0		22.1	32.4	29.4
41	1290.0-91.0		22.2	29.8	33.8
42	1291.0-92.0		23.6	26.0	28.8
43	1292.0-93.0		21.2	25.8	38.7
44	1293.0-94.0		22.5	28.2	33.1
45	1294.0-95.0		20.4	26.3	40.6

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