

21-25^S-5E
COMPANY CITIES SERVICE OIL CO.
WELL CHESNEY HEGBERG UNIT MP 110

FOR THE INTERVAL 80. TO 640.

SDEP=	470.00	EDEP=	640.00	GMIN=	35.00	GMAX=	110.00
DSH =	2.65	NSH =	30.00	A =	0.62	M =	2.15
RW =	0.10	RSH =	5.00	SIRR=	45.00	BFT =	80.00
CALD=	9.00	GCUR=	2.00	DF =	1.00	DG =	2.65
NF =	100.00	LCOR=	-4.00	TF =	189.00	TM =	55.50
TSH =	100.00	CP =	1.00	SHCT=	0.40	SHDF=	0.
SSP =	35.00	PRNT=	1.00	PMAX=	30.00	SRHM=	0.50
N =	2.00	RNF =	0.04	GRAD=	1.00	SNOP=	3.00
CALM=	15.00	BITS=	7.79				

OWLL

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DEPTH	PERM. INDEX MD	WATER SAT. %	POROSITY %	DENSITY HYDROCARBON GM/CC	CLAY %	CUM. POR. FEET	CUM. HYCARB FEET
80.0	0	100	1.9	1.0	34	.01	.00
81.0	0	100	2.9	1.0	40	.04	.00
88.0	0	100	5.4	1.0	44	.39	.00
89.0	0	100	3.6	1.0	45	.43	.00
90.0	0	100	4.9	1.0	40	.47	.00
91.0	0	100	6.8	1.0	27	.54	.00
92.0	0	100	6.2	1.0	29	.60	.00
93.0	1	100	7.7	1.0	25	.68	.00
94.0	0	100	7.1	1.0	16	.75	.00
95.0	0	100	6.1	1.0	14	.80	.00
96.0	1	100	8.8	1.0	20	.89	.00
97.0	1	100	8.6	1.0	23	.97	.00
98.0	6	100	13.3	1.0	10	1.09	.00
99.0	8	100	14.3	1.0	10	1.23	.00
100.0	5	100	12.7	1.0	15	1.37	.00
101.0	2	100	10.6	1.0	21	1.47	.00
102.0	1	100	8.5	1.0	31	1.57	.00
103.0	0	100	5.5	1.0	42	1.63	.00
104.0	0	100	3.8	1.0	45	1.67	.00
105.0	1	100	8.5	1.0	23	1.74	.00
106.0	2	100	10.5	1.0	19	1.85	.00
107.0	4	100	12.3	1.0	13	1.97	.00
108.0	5	100	12.7	1.0	10	2.09	.00
109.0	6	100	13.3	1.0	9	2.22	.00
110.0	7	100	13.9	1.0	9	2.36	.00
111.0	9	100	14.7	1.0	9	2.51	.00
112.0	12	100	15.7	1.0	6	2.66	.00
113.0	14	100	16.1	1.0	4	2.82	.00
114.0	15	100	16.5	1.0	4	2.98	.00
115.0	17	100	17.0	1.0	3	3.15	.00
116.0	20	100	17.5	1.0	4	3.32	.00
117.0	22	100	17.9	1.0	4	3.50	.00
118.0	20	100	17.4	1.0	6	3.68	.00
119.0	13	100	16.0	1.0	8	3.84	.00
120.0	8	100	14.2	1.0	11	3.99	.00
121.0	3	100	11.7	1.0	14	4.11	.00
122.0	3	100	11.0	1.0	11	4.22	.00
123.0	2	100	10.3	1.0	11	4.32	.00
124.0	1	100	9.6	1.0	10	4.42	.00
125.0	1	100	9.2	1.0	12	4.51	.00
126.0	1	100	8.0	1.0	17	4.60	.00
127.0	0	100	6.6	1.0	19	4.67	.00
128.0	0	100	5.5	1.0	17	4.72	.00
129.0	0	100	4.4	1.0	16	4.77	.00
130.0	0	100	4.1	1.0	28	4.81	.00
131.0	0	100	3.4	1.0	37	4.85	.00
132.0	0	100	3.3	1.0	41	4.88	.00
133.0	0	100	4.1	1.0	41	4.92	.00
134.0	1	100	7.2	1.0	40	4.98	.00

T.M.O.

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DEPTH	PERM. INDEX MD	WATER SAT. %	POROSITY %	DENSITY HYDROCARBON GM/CC	CLAY %	CUM. POR. FEET	CUM. HYCARB FEET
135.0	2	100	10.9	1.0	46	5.09	.00
138.0	1	100	9.6	1.0	47	5.38	.00
139.0	1	100	9.1	1.0	46	5.48	.00
140.0	2	100	10.2	1.0	38	5.58	.00
141.0	3	100	11.6	1.0	31	5.69	.00
142.0	5	100	12.6	1.0	25	5.81	.00
143.0	3	100	11.4	1.0	21	5.93	.00
144.0	3	100	11.6	1.0	7	6.04	.00
145.0	4	100	12.2	1.0	5	6.16	.00
146.0	0	100	6.6	1.0	24	6.24	.00
147.0	0	100	3.2	1.0	24	6.27	.00
148.0	0	100	4.0	1.0	19	6.31	.00
149.0	0	100	4.5	1.0	16	6.35	.00
150.0	0	100	4.8	1.0	17	6.40	.00
151.0	0	100	4.6	1.0	17	6.45	.00
152.0	0	100	4.6	1.0	21	6.49	.00
153.0	0	100	4.4	1.0	26	6.54	.00
154.0	0	100	5.1	1.0	28	6.58	.00
155.0	0	100	5.9	1.0	26	6.64	.00
156.0	0	100	6.8	1.0	25	6.71	.00
157.0	0	100	7.0	1.0	26	6.78	.00
158.0	0	100	5.1	1.0	28	6.83	.00
159.0	0	100	4.1	1.0	24	6.88	.00
160.0	0	100	3.9	1.0	26	6.92	.00
161.0	0	100	3.8	1.0	30	6.95	.00
162.0	0	100	3.8	1.0	27	6.99	.00
163.0	0	100	3.4	1.0	22	7.03	.00
164.0	0	100	4.1	1.0	19	7.07	.00
165.0	0	100	5.6	1.0	18	7.12	.00
166.0	0	100	7.2	1.0	19	7.19	.00
167.0	2	100	9.9	1.0	22	7.28	.00
168.0	1	100	8.9	1.0	34	7.38	.00
169.0	0	100	6.5	1.0	40	7.44	.00
170.0	0	100	5.4	1.0	44	7.50	.00
171.0	0	100	6.2	1.0	42	7.56	.00
172.0	0	100	7.4	1.0	34	7.63	.00
173.0	0	100	7.3	1.0	36	7.70	.00
174.0	0	100	6.2	1.0	47	7.77	.00
175.0	1	100	8.1	1.0	38	7.84	.00
176.0	1	100	8.3	1.0	36	7.93	.00
177.0	0	100	6.1	1.0	40	7.99	.00
178.0	0	100	6.2	1.0	35	8.05	.00
179.0	0	100	6.5	1.0	30	8.12	.00
180.0	0	100	7.0	1.0	22	8.19	.00
181.0	0	100	4.7	1.0	24	8.24	.00
182.0	0	100	4.5	1.0	20	8.29	.00
183.0	0	100	4.4	1.0	20	8.33	.00
184.0	0	100	4.3	1.0	21	8.37	.00
185.0	0	100	4.0	1.0	23	8.41	.00

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186.0	0	100	4.1	1.0	23	8.45	.00
187.0	0	100	4.5	1.0	26	8.50	.00
188.0	0	100	5.0	1.0	36	8.55	.00
190.0	0	100	2.9	1.0	49	8.61	.00
191.0	0	100	4.2	1.0	43	8.65	.00
194.0	0	100	4.5	1.0	40	8.76	.00
195.0	0	100	5.7	1.0	31	8.81	.00
196.0	0	100	5.6	1.0	26	8.87	.00
197.0	0	100	3.6	1.0	23	8.91	.00
198.0	0	100	1.4	1.0	19	8.93	.00
199.0	0	100	2.3	1.0	23	8.95	.00
200.0	0	100	2.9	1.0	30	8.97	.00
201.0	0	100	6.1	1.0	42	9.03	.00
214.0	0	100	3.2	1.0	46	9.20	.00
215.0	0	100	5.1	1.0	35	9.25	.00
216.0	0	100	3.8	1.0	37	9.29	.00
217.0	0	100	2.6	1.0	30	9.32	.00
218.0	0	100	4.7	1.0	24	9.36	.00
219.0	0	100	3.7	1.0	37	9.41	.00
220.0	0	100	2.9	1.0	43	9.44	.00
221.0	0	100	3.0	1.0	47	9.47	.00
224.0	0	100	3.4	1.0	50	9.56	.00
225.0	0	100	3.6	1.0	47	9.59	.00
227.0	0	100	3.4	1.0	48	9.65	.00
228.0	0	100	4.3	1.0	38	9.69	.00
229.0	0	100	2.9	1.0	37	9.72	.00
230.0	0	100	4.0	1.0	24	9.76	.00
231.0	0	100	5.2	1.0	33	9.81	.00
236.0	0	100	3.5	1.0	41	9.94	.00
237.0	0	100	3.2	1.0	35	9.97	.00
238.0	0	100	2.2	1.0	30	10.00	.00
239.0	0	100	2.0	1.0	26	10.02	.00
240.0	0	100	2.8	1.0	28	10.04	.00
241.0	0	100	4.8	1.0	30	10.09	.00
242.0	0	100	5.1	1.0	34	10.14	.00
243.0	0	100	3.9	1.0	43	10.18	.00
244.0	0	100	4.3	1.0	37	10.22	.00
245.0	0	100	2.3	1.0	35	10.25	.00
246.0	0	100	3.9	1.0	19	10.28	.00
247.0	0	100	6.3	1.0	16	10.34	.00
248.0	1	100	8.4	1.0	21	10.42	.00
249.0	1	100	9.7	1.0	26	10.51	.00
250.0	1	100	8.2	1.0	34	10.60	.00

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DEPTH	PERM. INDEX MD	WATER SAT. %	POROSITY %	DENSITY HYDROCARBON GM/CC	CLAY %	CUM. POR. FEET	CUM. HYCARB FEET
256.0	0	100	1.3	1.0	50	10.73	.00
257.0	0	100	1.7	1.0	48	10.75	.00
258.0	0	100	1.9	1.0	44	10.77	.00
259.0	0	100	2.2	1.0	39	10.79	.00
260.0	0	100	2.5	1.0	33	10.81	.00
261.0	0	100	2.9	1.0	30	10.84	.00
262.0	0	100	3.2	1.0	28	10.87	.00
263.0	0	100	5.7	1.0	23	10.92	.00
264.0	2	100	10.0	1.0	16	11.01	.00
265.0	6	100	13.2	1.0	12	11.14	.00
266.0	7	100	13.8	1.0	12	11.23	.00
267.0	3	100	11.3	1.0	16	11.40	.00
268.0	2	100	9.8	1.0	16	11.50	.00
269.0	0	100	7.5	1.0	20	11.58	.00
270.0	0	100	5.9	1.0	24	11.64	.00
271.0	0	100	3.6	1.0	38	11.68	.00
272.0	0	100	2.1	1.0	46	11.70	.00
273.0	0	100	2.6	1.0	37	11.73	.00
274.0	0	100	2.5	1.0	39	11.75	.00
275.0	0	100	2.1	1.0	45	11.78	.00
280.0	0	100	.1	1.0	49	11.81	.00
281.0	0	100	.1	1.0	35	11.82	.00
282.0	1	100	8.5	1.0	19	11.89	.00
283.0	2	100	10.4	1.0	6	11.99	.00
284.0	7	100	13.7	1.0	5	12.12	.00
285.0	2	100	9.8	1.0	13	12.23	.00
286.0	0	100	2.7	1.0	16	12.27	.00
287.0	0	100	1.7	1.0	16	12.29	.00
288.0	0	100	1.4	1.0	19	12.30	.00
289.0	0	100	1.6	1.0	23	12.32	.00
290.0	0	100	2.8	1.0	27	12.34	.00
291.0	0	100	5.2	1.0	29	12.38	.00
292.0	0	100	5.3	1.0	32	12.44	.00
293.0	1	100	7.3	1.0	18	12.52	.00
294.0	1	100	8.7	1.0	10	12.60	.00
295.0	2	100	9.8	1.0	17	12.69	.00
296.0	4	100	11.9	1.0	18	12.81	.00
297.0	3	100	11.3	1.0	18	12.93	.00
298.0	6	100	13.3	1.0	14	13.05	.00
299.0	7	100	13.7	1.0	14	13.19	.00
300.0	7	100	14.0	1.0	14	13.33	.00
301.0	2	100	10.2	1.0	18	13.44	.00
302.0	0	100	6.3	1.0	21	13.51	.00
303.0	0	100	4.1	1.0	28	13.55	.00
304.0	0	100	4.3	1.0	24	13.59	.00
305.0	0	100	4.4	1.0	19	13.64	.00
306.0	0	100	3.9	1.0	26	13.68	.00
307.0	0	100	3.5	1.0	37	13.71	.00
308.0	0	100	3.0	1.0	45	13.75	.00

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DEPTH	PERM. INDEX MD	WATER SAT. %	POROSITY %	DENSITY HYDROCARBON GM/CC	CLAY %	CUM. POR. FEET	CUM. HYCARB FEET
315.0	2	100	10.5	1.0	38	13.89	.00
316.0	12	100	15.6	1.0	19	14.03	.00
317.0	11	100	15.2	1.0	16	14.19	.00
318.0	15	100	16.5	1.0	10	14.35	.00
319.0	8	100	14.1	1.0	11	14.50	.00
320.0	3	100	11.4	1.0	13	14.62	.00
321.0	0	100	6.6	1.0	22	14.70	.00
322.0	0	100	.5	1.0	28	14.72	.00
323.0	0	100	.1	1.0	26	14.72	.00
324.0	0	100	1.0	1.0	29	14.73	.00
325.0	0	100	2.3	1.0	42	14.75	.00
334.0	0	100	.6	1.0	49	14.85	.00
335.0	0	100	3.8	1.0	26	14.87	.00
336.0	0	100	4.9	1.0	35	14.92	.00
337.0	0	100	3.2	1.0	38	14.96	.00
338.0	0	100	3.2	1.0	32	14.99	.00
339.0	0	100	3.4	1.0	28	15.03	.00
340.0	0	100	4.1	1.0	28	15.06	.00
341.0	0	100	4.7	1.0	29	15.11	.00
342.0	0	100	4.9	1.0	35	15.16	.00
343.0	0	100	4.9	1.0	39	15.21	.00
344.0	0	100	5.9	1.0	40	15.26	.00
345.0	0	100	6.1	1.0	45	15.33	.00
349.0	2	100	10.1	1.0	40	15.57	.00
350.0	7	100	14.0	1.0	24	15.70	.00
351.0	6	100	13.5	1.0	26	15.83	.00
352.0	2	100	10.3	1.0	35	15.95	.00
353.0	2	100	9.9	1.0	36	16.05	.00
355.0	0	100	3.7	1.0	48	16.13	.00
356.0	0	100	5.9	1.0	33	16.19	.00
357.0	1	100	9.1	1.0	23	16.27	.00
358.0	0	100	7.1	1.0	30	16.35	.00
359.0	0	100	7.0	1.0	26	16.41	.00
360.0	1	100	8.5	1.0	21	16.49	.00
361.0	0	100	7.0	1.0	30	16.57	.00
362.0	0	100	4.3	1.0	45	16.62	.00
365.0	0	100	4.0	1.0	46	16.71	.00
366.0	0	100	5.7	1.0	36	16.76	.00
367.0	2	100	10.3	1.0	19	16.84	.00
368.0	6	100	13.1	1.0	13	16.97	.00
369.0	6	100	13.6	1.0	9	17.11	.00
370.0	7	100	13.9	1.0	8	17.24	.00
371.0	8	100	14.2	1.0	9	17.39	.00
372.0	7	100	13.6	1.0	13	17.52	.00
373.0	4	100	12.0	1.0	17	17.65	.00

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374.0	1	100	9.5	1.0	22	17.75	.00
375.0	0	100	6.1	1.0	33	17.82	.00
376.0	0	100	4.1	1.0	34	17.86	.00
377.0	0	100	2.8	1.0	27	17.89	.00
378.0	0	100	3.0	1.0	23	17.92	.00
379.0	0	100	2.8	1.0	24	17.95	.00
380.0	0	100	2.8	1.0	23	17.98	.00
381.0	0	100	3.6	1.0	23	18.01	.00
382.0	0	100	4.2	1.0	24	18.05	.00
383.0	0	100	5.7	1.0	24	18.11	.00
384.0	0	100	7.0	1.0	23	18.18	.00
385.0	1	100	7.9	1.0	20	18.25	.00
386.0	0	100	3.4	1.0	24	18.30	.00
387.0	0	100	1.1	1.0	18	18.32	.00
388.0	0	100	.9	1.0	14	18.33	.00
389.0	0	100	1.1	1.0	19	18.34	.00
390.0	0	100	1.7	1.0	24	18.35	.00
391.0	0	100	2.4	1.0	28	18.38	.00
392.0	0	100	2.2	1.0	33	18.40	.00
393.0	0	100	2.4	1.0	37	18.42	.00
394.0	0	100	2.7	1.0	33	18.45	.00
395.0	0	100	2.5	1.0	32	18.48	.00
396.0	0	100	3.5	1.0	27	18.51	.00
397.0	2	100	10.0	1.0	21	18.58	.00
398.0	27	100	18.8	1.0	17	18.75	.00
399.0	27	100	18.8	1.0	19	18.94	.00
400.0	27	100	18.8	1.0	13	19.13	.00
401.0	14	100	16.3	1.0	11	19.30	.00
402.0	3	100	11.5	1.0	17	19.43	.00
403.0	0	100	7.4	1.0	23	19.51	.00
404.0	0	100	5.5	1.0	29	19.57	.00
405.0	0	100	3.9	1.0	36	19.61	.00
406.0	0	100	3.8	1.0	38	19.65	.00
407.0	0	100	4.9	1.0	31	19.70	.00
408.0	0	100	4.8	1.0	33	19.74	.00
409.0	0	100	3.1	1.0	37	19.78	.00
410.0	0	100	2.3	1.0	38	19.80	.00
411.0	0	100	1.8	1.0	33	19.82	.00
412.0	0	100	1.6	1.0	29	19.84	.00
413.0	0	100	1.6	1.0	27	19.85	.00
414.0	0	100	1.9	1.0	22	19.87	.00
415.0	0	100	2.5	1.0	16	19.89	.00
416.0	0	100	3.4	1.0	12	19.93	.00
417.0	0	100	5.0	1.0	18	19.97	.00
418.0	0	100	5.4	1.0	29	20.03	.00
419.0	0	100	4.8	1.0	35	20.07	.00
420.0	0	100	4.8	1.0	35	20.12	.00
421.0	0	100	5.3	1.0	31	20.18	.00
422.0	0	100	5.4	1.0	26	20.23	.00
423.0	0	100	5.7	1.0	26	20.29	.00

OWLL

CITIES SERVICE OIL CO.
CHESNEY HEGBERG UNIT MP 110

DEPTH	PERM. INDEX MD	WATER SAT. %	POROSITY %	DENSITY HYDROCARBON GM/CC	CLAY %	CUM. POR. FEET	CUM. HYCARB FEET
424.0	0	100	5.5	1.0	28	20.34	.00
425.0	0	100	5.8	1.0	30	20.40	.00
426.0	0	100	3.9	1.0	41	20.45	.00
427.0	0	100	3.0	1.0	45	20.48	.00
428.0	0	100	3.1	1.0	37	20.51	.00
429.0	0	100	3.4	1.0	32	20.54	.00
430.0	0	100	3.7	1.0	29	20.58	.00
431.0	0	100	4.1	1.0	25	20.62	.00
432.0	0	100	4.2	1.0	23	20.66	.00
433.0	0	100	5.0	1.0	24	20.70	.00
434.0	0	100	4.2	1.0	38	20.75	.00
435.0	0	100	3.7	1.0	45	20.79	.00
436.0	0	100	3.9	1.0	45	20.83	.00
437.0	0	100	3.5	1.0	38	20.86	.00
438.0	0	100	4.3	1.0	29	20.90	.00
439.0	0	100	5.0	1.0	22	20.95	.00
440.0	0	100	4.8	1.0	18	21.00	.00
441.0	0	100	6.6	1.0	20	21.07	.00
442.0	0	100	5.5	1.0	30	21.13	.00
443.0	0	100	4.0	1.0	45	21.17	.00
444.0	0	100	3.1	1.0	40	21.20	.00
445.0	0	100	1.4	1.0	35	21.22	.00
446.0	0	100	3.4	1.0	24	21.24	.00
447.0	1	100	8.7	1.0	22	21.32	.00
448.0	3	100	11.2	1.0	26	21.43	.00
449.0	0	100	6.7	1.0	33	21.51	.00
450.0	0	100	5.1	1.0	38	21.56	.00
451.0	0	100	4.8	1.0	48	21.61	.00
454.0	0	100	7.3	1.0	43	21.76	.00
455.0	0	100	6.8	1.0	40	21.82	.00
456.0	0	100	7.5	1.0	38	21.90	.00
457.0	0	100	5.6	1.0	48	21.96	.00
463.0	0	100	3.3	1.0	43	22.10	.00
464.0	0	100	4.5	1.0	35	22.14	.00
465.0	0	100	4.4	1.0	37	22.19	.00
466.0	0	100	3.4	1.0	46	22.23	.00
483.0	0	100	3.4	1.0	48	22.34	.00
484.0	0	100	3.7	1.0	49	22.37	.00
516.0	1	100	8.1	1.0	30	22.53	.00
517.0	0	100	6.0	1.0	16	22.59	.00
518.0	0	100	3.3	1.0	46	22.63	.00
519.0	0	100	4.0	1.0	41	22.67	.00
520.0	0	100	3.2	1.0	34	22.71	.00
521.0	0	100	.4	1.0	36	22.72	.00
522.0	0	100	.9	1.0	48	22.72	.00

OWLL

CITIES SERVICE OIL CO.
CHESNEY HEGBERG UNIT #P 110

DEPTH	PERM. INDEX MD	WATER SAT. %	POROSITY %	DENSITY HYDROCARBON GM/CC	CLAY %	CUM. POR. FEET	CUM. HYCARB FEET
531.0	0	100	.4	1.0	38	22.79	.00
532.0	0	100	.1	1.0	28	22.79	.00
533.0	0	100	.1	1.0	32	22.80	.00
534.0	0	100	.1	1.0	39	22.80	.00
535.0	0	100	.1	1.0	41	22.80	.00
536.0	0	100	.5	1.0	46	22.80	.00
542.0	0	100	4.7	1.0	46	22.89	.00
549.0	0	100	2.6	1.0	35	22.98	.00
550.0	0	100	2.6	1.0	34	23.01	.00
551.0	0	100	5.0	1.0	28	23.05	.00
552.0	0	100	3.3	1.0	42	23.10	.00
553.0	0	100	3.1	1.0	34	23.13	.00
554.0	0	100	3.2	1.0	43	23.16	.00
555.0	0	100	3.8	1.0	43	23.20	.00
564.0	0	100	.1	1.0	44	23.30	.00
565.0	0	100	.1	1.0	36	23.30	.00
566.0	0	100	.1	1.0	42	23.30	.00
580.0	0	100	2.5	1.0	49	23.38	.00
585.0	0	100	.1	1.0	42	23.42	.00
587.0	1	100	9.3	1.0	39	23.50	.00
592.0	0	100	5.8	1.0	45	23.81	.00
593.0	0	100	5.8	1.0	47	23.87	.00
598.0	0	100	2.4	1.0	39	24.00	.00
599.0	0	100	5.0	1.0	25	24.04	.00
600.0	0	100	7.2	1.0	30	24.11	.00
601.0	0	100	5.1	1.0	39	24.16	.00
602.0	0	100	3.3	1.0	38	24.20	.00
603.0	0	100	3.3	1.0	32	24.24	.00
604.0	0	100	2.7	1.0	26	24.26	.00
605.0	0	100	3.5	1.0	21	24.29	.00
606.0	1	100	9.7	1.0	21	24.37	.00
607.0	14	100	16.2	1.0	21	24.51	.00
608.0	50	96	21.6	1.0	13	24.71	.00
609.0	61	87	22.6	1.0	8	24.94	.03
610.0	60	82	22.5	1.0	7	25.17	.07
611.0	53	81	21.9	1.0	7	25.39	.11
612.0	75	72	23.7	1.0	6	25.62	.17
613.0	88	66	24.6	1.0	7	25.86	.25
614.0	88	64	24.6	1.0	10	26.11	.34
615.0	85	62	24.4	1.0	12	26.35	.43
616.0	87	59	24.5	1.0	14	26.60	.53
617.0	89	57	24.6	1.0	15	26.84	.63

OWLL

CITIES SERVICE OIL CO.
CHESNEY HEGBERG UNIT MP 110

DEPTH	PERM. INDEX MD	WATER SAT. %	POROSITY %	DENSITY HYDROCARBON GM/CC	CLAY %	CUM. POR. FEET	CUM. HYCARB FEET
618.0	81	57	24.4	1.0	17	27.09	.74
619.0	73	57	23.5	1.0	18	27.32	.84
620.0	71	57	23.4	1.0	19	27.56	.94
621.0	79	55	24.0	1.0	22	27.80	1.04
622.0	97	53	25.1	1.0	22	28.04	1.16
623.0	127	50	26.7	.9	20	28.31	1.29
624.0	138	50	27.2	.9	19	28.58	1.42
625.0	82	58	24.2	1.0	25	28.83	1.53
626.0	26 ₁₅₄	79	18.6	1.0	39 ₂₀₀	29.03	1.60

OWLL

CITIES SERVICE OIL CO.
CHESNEY HEGBERG UNIT MP 110

DEPTH	GR	POR	RT	RXD	SXD	ROS	SW
550.0	72.1	2.6	3.6	1.5	100.0	.0	100.0
550.5	69.6	4.1	4.0	1.3	100.0	.0	100.0
551.0	68.3	5.0	4.7	1.2	100.0	.0	100.0
551.5	64.7	5.9	5.2	1.4	100.0	.0	100.0
552.0	62.2	3.3	5.6	1.6	100.0	.0	100.0
552.5	59.7	3.3	6.0	1.6	100.0	.0	100.0
553.0	57.8	3.1	6.2	2.7	100.0	.0	100.0
553.5	57.9	2.9	5.9	4.0	100.0	.0	100.0
554.0	58.1	3.2	5.5	5.0	100.0	.0	100.0
554.5	58.3	3.4	5.2	4.2	100.0	.0	100.0
555.0	58.1	3.8	4.9	2.7	100.0	.0	100.0
555.5	57.8	4.1	4.6	2.4	100.0	.0	100.0
556.0	62.5	3.5	4.3	2.3	100.0	.0	100.0
556.5	66.1	2.7	3.9	2.3	100.0	.0	100.0
557.0	69.7	1.8	3.8	2.3	100.0	.0	100.0
557.5	73.3	.6	3.5	2.1	100.0	.0	100.0
558.0	76.7	.0	3.4	1.9	100.0	.0	100.0
558.5	79.3	.0	3.3	1.8	100.0	.0	100.0
559.0	81.8	.0	3.2	1.7	100.0	.0	100.0
559.5	82.9	.0	3.1	1.6	100.0	.0	100.0
560.0	83.9	.0	3.1	1.4	100.0	.0	100.0
560.5	85.0	.2	3.2	1.4	100.0	.0	100.0
561.0	86.0	.6	3.2	1.4	100.0	.0	100.0
561.5	85.2	1.0	3.3	1.4	100.0	.0	100.0
562.0	83.9	1.3	3.5	1.4	100.0	.0	100.0
562.5	82.7	1.3	3.8	1.4	100.0	.0	100.0
563.0	79.9	1.2	4.0	1.4	100.0	.0	100.0
563.5	77.6	.9	4.2	1.4	100.0	.0	100.0
564.0	72.6	.1	4.4	1.4	100.0	.0	100.0
564.5	69.6	.1	4.3	1.4	100.0	.0	100.0
565.0	66.6	.1	4.2	1.5	100.0	.0	100.0
565.5	62.2	.1	3.6	2.0	100.0	.0	100.0
566.0	58.0	.1	3.2	2.4	100.0	.0	100.0
566.5	61.6	2.3	2.6	7.1	100.0	.0	100.0
567.0	71.9	1.5	2.2	11.7	100.0	.0	100.0
567.5	79.5	.0	1.9	13.0	100.0	.0	100.0
568.0	86.7	.0	1.8	5.8	100.0	.0	100.0
568.5	88.3	.0	1.7	3.2	100.0	.0	100.0
569.0	89.7	.0	1.7	1.5	100.0	.0	100.0
569.5	91.1	.0	1.6	1.1	100.0	.0	100.0
570.0	90.8	.0	1.6	1.1	100.0	.0	100.0
570.5	90.5	.0	1.5	1.0	100.0	.0	100.0
571.0	89.1	.0	1.5	1.0	100.0	.0	100.0
571.5	87.9	.0	1.5	1.0	100.0	.0	100.0
572.0	86.8	.0	1.5	1.2	100.0	.0	100.0
572.5	86.8	.0	1.6	1.2	100.0	.0	100.0
573.0	87.4	.0	1.7	1.3	100.0	.0	100.0
573.5	88.1	.0	1.7	1.1	100.0	.0	100.0
574.0	86.4	.0	1.8	1.1	100.0	.0	100.0
574.5	84.2	.0	1.8	1.1	100.0	.0	100.0

OWLL

CITIES SERVICE OIL CO.
CHESNEY HEGBERG UNIT #P 110

DEPTH	GR	POR	RT	RXD	SXD	ROS	SW
575.0	32.1	.0	1.9	1.1	100.0	.0	100.0
575.5	30.4	.0	2.0	1.1	100.0	.0	100.0
576.0	78.0	.0	2.1	1.1	100.0	.0	100.0
576.5	75.8	.5	2.2	1.1	100.0	.0	100.0
577.0	74.4	.8	2.3	1.1	100.0	.0	100.0
577.5	70.9	1.0	2.5	1.1	100.0	.0	100.0
578.0	68.1	1.2	2.6	1.1	100.0	.0	100.0
578.5	65.5	1.7	2.7	1.2	100.0	.0	100.0
579.0	62.9	2.1	2.8	1.3	100.0	.0	100.0
579.5	60.3	2.6	2.9	1.4	100.0	.0	100.0
580.0	60.4	2.5	2.9	1.5	100.0	.0	100.0
580.5	61.0	2.3	2.9	1.8	100.0	.0	100.0
581.0	61.6	2.1	2.9	2.0	100.0	.0	100.0
581.5	65.3	1.4	3.0	1.9	100.0	.0	100.0
582.0	67.4	.8	3.2	1.5	100.0	.0	100.0
582.5	66.5	.5	3.4	1.3	100.0	.0	100.0
583.0	65.5	.1	3.6	1.2	100.0	.0	100.0
583.5	64.9	.1	3.8	1.1	100.0	.0	100.0
584.0	64.9	.1	3.9	1.1	100.0	.0	100.0
584.5	59.7	.1	4.1	1.1	100.0	.0	100.0
585.0	54.2	.1	4.1	1.3	100.0	.0	100.0
585.5	61.2	.1	4.2	3.0	100.0	.0	100.0
586.0	66.5	.1	4.2	3.8	100.0	.0	100.0
586.5	71.9	6.5	4.0	3.8	100.0	.0	100.0
587.0	80.5	9.3	3.9	4.0	100.0	.0	100.0
587.5	85.1	9.1	3.7	3.5	100.0	.0	100.0
588.0	91.7	7.4	3.8	3.0	100.0	.0	100.0
588.5	93.7	6.5	3.9	1.7	100.0	.0	100.0
589.0	91.8	6.8	4.0	1.5	100.0	.0	100.0
589.5	89.6	7.0	4.1	1.3	100.0	.0	100.0
590.0	89.8	5.5	4.1	1.3	100.0	.0	100.0
590.5	90.5	4.4	4.1	1.4	100.0	.0	100.0
591.0	91.1	4.8	4.1	1.5	100.0	.0	100.0
591.5	89.2	5.5	4.0	1.7	100.0	.0	100.0
592.0	87.3	5.8	3.7	1.8	100.0	.0	100.0
592.5	85.5	6.2	3.5	1.9	100.0	.0	100.0
593.0	87.3	5.8	3.1	2.1	100.0	.0	100.0
593.5	91.2	4.9	2.9	2.3	100.0	.0	100.0
594.0	94.2	4.1	2.7	2.2	100.0	.0	100.0
594.5	97.3	3.3	2.7	2.0	100.0	.0	100.0
595.0	100.4	2.5	2.7	1.8	100.0	.0	100.0
595.5	103.4	1.7	2.7	1.6	100.0	.0	100.0
596.0	106.5	.9	2.9	1.6	100.0	.0	100.0
596.5	106.9	.7	3.1	1.4	100.0	.0	100.0
597.0	97.4	2.1	3.2	1.3	100.0	.0	100.0
597.5	87.8	2.5	3.3	1.3	100.0	.0	100.0
598.0	81.3	2.4	3.5	1.2	100.0	.0	100.0
598.5	76.1	3.3	3.5	1.5	100.0	.0	100.0
599.0	68.0	5.0	3.6	1.8	100.0	.0	100.0
599.5	64.0	6.4	3.5	3.3	100.0	.0	100.0

OWLL

CITIES SERVICE OIL CO.
CHESNEY HEGBERG UNIT MP 110

DEPTH	GR	POR	RT	R _{XO}	S _{XO}	R _{OS}	SW
600.0	70.9	7.2	3.4	3.6	100.0	.0	100.0
600.5	74.6	6.3	3.2	3.1	100.0	.0	100.0
601.0	77.6	5.1	3.3	2.3	100.0	.0	100.0
601.5	79.1	3.9	3.3	1.7	100.0	.0	100.0
602.0	77.6	3.8	3.4	1.4	100.0	.0	100.0
602.5	76.2	3.6	3.5	1.4	100.0	.0	100.0
603.0	73.1	3.3	3.6	1.4	100.0	.0	100.0
603.5	71.0	3.0	3.8	1.4	100.0	.0	100.0
604.0	68.8	2.7	3.6	1.4	100.0	.0	100.0
604.5	65.9	2.4	3.2	1.6	100.0	.0	100.0
605.0	64.2	3.5	2.8	2.4	100.0	.0	100.0
605.5	63.3	4.8	2.5	2.3	100.0	.0	100.0
606.0	64.3	9.7	2.3	2.6	100.0	.0	100.0
606.5	65.9	13.0	2.0	3.2	100.0	.0	100.0
607.0	67.5	16.2	1.9	3.2	100.0	.0	100.0
607.5	67.9	19.1	1.9	2.4	100.0	.0	100.0
608.0	64.0	21.6	1.9	1.7	95.9	4.1	95.9
608.5	58.8	22.4	2.0	1.3	89.4	10.6	89.4
609.0	57.1	22.6	2.1	1.2	86.6	13.4	86.6
609.5	56.7	22.8	2.2	.9	84.0	16.0	84.0
610.0	56.1	22.5	2.4	.8	82.0	18.0	82.0
610.5	55.3	22.2	2.5	.8	81.6	18.4	81.6
611.0	55.1	21.9	2.6	1.0	81.3	18.7	81.3
611.5	55.1	22.8	2.7	1.1	77.0	23.0	76.7
612.0	55.1	23.7	2.8	1.3	72.2	27.8	72.2
612.5	55.1	24.3	2.9	1.4	68.8	31.2	68.8
613.0	55.2	24.6	3.0	1.5	66.4	33.6	66.4
613.5	55.2	24.7	3.1	1.4	64.9	35.1	64.9
614.0	56.5	24.6	3.3	1.2	66.8	33.2	63.7
614.5	57.8	24.4	3.4	1.1	69.8	30.2	63.0
615.0	59.1	24.4	3.5	1.1	69.7	30.3	62.1
615.5	60.5	24.4	3.7	1.1	68.8	31.2	60.7
616.0	62.1	24.5	3.8	1.1	68.7	31.3	59.4
616.5	63.0	24.5	4.0	1.2	66.6	33.4	58.2
617.0	64.0	24.6	4.1	1.3	64.6	35.4	56.9
617.5	64.8	24.4	4.3	1.3	63.6	36.4	56.3
618.0	65.9	24.1	4.3	1.4	62.4	37.6	56.5
618.5	66.1	23.7	4.4	1.6	60.8	39.2	57.0
619.0	66.4	23.5	4.5	1.4	64.8	35.2	57.1
619.5	66.6	23.3	4.6	1.3	67.5	32.5	57.2
620.0	67.1	23.4	4.6	1.4	66.1	33.9	56.8
620.5	68.0	23.7	4.6	1.4	63.7	36.3	55.9
621.0	69.3	24.0	4.6	1.5	61.8	38.2	55.0
621.5	69.9	24.3	4.6	1.5	60.0	40.0	54.3
622.0	70.5	25.1	4.6	1.7	55.2	44.3	52.8
622.5	71.0	25.9	4.5	1.7	52.2	47.8	51.4
623.0	71.5	26.7	4.4	1.7	51.7	48.3	50.1
623.5	72.1	26.9	4.3	1.6	51.9	48.1	50.3
624.0	72.4	27.2	4.2	1.6	52.2	47.8	50.3
624.5	71.7	25.8	4.2	1.5	56.9	43.1	53.8

OWLL

CITIES SERVICE OIL CO.
CHESNEY HEGBERG UNIT MP 110

DEPTH	GR	POR	RT	RXO	SXD	ROS	SW
625.0	72.5	24.2	4.1	1.4	63.1	36.9	58.2
625.5	73.7	23.3	4.0	1.3	66.6	33.4	61.1
626.0	81.3	18.6	3.9	1.3	78.9	21.1	78.9
626.5	85.6	16.0	3.9	1.3	93.5	6.5	93.5
627.0	88.4	13.1	3.8	1.3	100.0	.0	100.0
627.5	91.3	10.6	3.7	1.3	100.0	.0	100.0
628.0	93.7	6.7	3.6	1.3	100.0	.0	100.0
628.5	95.5	6.0	3.6	1.4	100.0	.0	100.0
629.0	97.4	5.3	3.5	1.3	100.0	.0	100.0
629.5	96.9	5.5	3.5	1.4	100.0	.0	100.0
630.0	96.4	5.7	3.4	1.5	100.0	.0	100.0

OWLL