

21-255.5E

COMPANY CITIES SERVICE OIL COMPANY
WELL CHESNEY-HEGGER UNIT MP-106

FOR THE INTERVAL 80. TO 690.

SDEP=	80.00	EDEP=	690.00	GMIN=	37.00	GMAX=	120.00
DSH =	2.65	NSH =	30.00	A =	0.62	M =	2.15
RW =	0.10	RSH =	5.00	SIRR=	48.00	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	RMF =	0.13	GRAD=	1.00	SWOP=	3.00
CALM=	15.00	BITS=	7.79				

OWLL

CITIES SERVICE OIL COMPANY
CHESNEY-HEGGERG UNIT MP-106

DEPTH	PERM. INDEX MD	WATER SAT. %	POROSITY %	DENSITY HYDROCARBON GM/CC	CLAY %	CUM. POR. FEET	CUM. HYCARB FEET
92.0	1	100	9.0	1.0	30	.36	.00
93.0	9	100	14.3	1.0	16	.51	.00
94.0	11	100	15.3	1.0	15	.66	.00
95.0	9	100	14.4	1.0	18	.81	.00
96.0	5	100	12.7	1.0	21	.94	.00
97.0	2	100	10.7	1.0	24	1.05	.00
98.0	1	100	7.9	1.0	30	1.14	.00
99.0	0	100	6.0	1.0	34	1.20	.00
100.0	0	100	5.0	1.0	42	1.26	.00
101.0	0	100	3.6	1.0	46	1.29	.00
102.0	0	100	3.6	1.0	43	1.33	.00
103.0	0	100	2.9	1.0	46	1.36	.00
106.0	0	100	2.3	1.0	49	1.43	.00
110.0	0	100	1.2	1.0	45	1.48	.00
111.0	0	100	1.4	1.0	37	1.50	.00
112.0	0	100	1.6	1.0	32	1.51	.00
113.0	2	100	10.2	1.0	5	1.58	.00
114.0	1	100	9.7	1.0	16	1.68	.00
120.0	0	100	7.5	1.0	37	2.02	.00
121.0	1	100	8.6	1.0	29	2.11	.00
122.0	1	100	8.5	1.0	20	2.19	.00
123.0	0	100	6.8	1.0	14	2.27	.00
124.0	0	100	3.6	1.0	22	2.31	.00
125.0	0	100	3.3	1.0	37	2.35	.00
126.0	0	100	2.8	1.0	24	2.38	.00
127.0	0	100	5.4	1.0	13	2.43	.00
128.0	0	100	5.3	1.0	21	2.48	.00
129.0	0	100	6.4	1.0	16	2.54	.00
130.0	1	100	8.5	1.0	4	2.62	.00
131.0	1	100	8.4	1.0	4	2.71	.00
132.0	0	100	6.7	1.0	4	2.78	.00
133.0	0	100	5.2	1.0	22	2.84	.00
134.0	0	100	5.4	1.0	30	2.89	.00
135.0	0	100	4.4	1.0	39	2.93	.00
136.0	0	100	4.1	1.0	39	2.97	.00
137.0	0	100	4.6	1.0	33	3.02	.00
138.0	0	100	5.0	1.0	33	3.07	.00
139.0	0	100	5.1	1.0	34	3.12	.00
140.0	0	100	7.0	1.0	26	3.18	.00
141.0	1	100	7.8	1.0	23	3.26	.00
142.0	0	100	5.8	1.0	32	3.32	.00
143.0	0	100	2.8	1.0	34	3.37	.00
144.0	0	100	2.8	1.0	19	3.39	.00
145.0	1	100	9.1	1.0	17	3.46	.00
146.0	3	100	11.7	1.0	9	3.57	.00
147.0	6	100	13.5	1.0	6	3.71	.00
148.0	17	100	17.0	1.0	6	3.86	.00

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DEPTH	PERM. INDEX MD	WATER SAT. %	POROSITY %	DENSITY HYDROCARBON GM/CC	CLAY %	CUM. POR. FEET	CUM. HYCARB FEET
149.0	60	100	22.5	1.0	5	4.07	.00
150.0	59	100	22.5	1.0	4	4.30	.00
151.0	59	100	22.5	1.0	4	4.52	.00
152.0	64	100	22.9	1.0	4	4.75	.00
153.0	70	100	23.3	1.0	5	4.98	.00
154.0	72	100	23.4	1.0	5	5.22	.00
155.0	39	100	20.4	1.0	4	5.43	.00
156.0	3	100	14.1	1.0	7	5.59	.00
157.0	1	100	8.2	1.0	15	5.69	.00
158.0	1	100	7.7	1.0	12	5.77	.00
159.0	0	100	7.0	1.0	19	5.84	.00
160.0	0	100	6.3	1.0	17	5.90	.00
161.0	0	100	6.9	1.0	9	5.97	.00
162.0	0	100	7.1	1.0	10	6.04	.00
163.0	0	100	7.1	1.0	25	6.11	.00
164.0	0	100	6.7	1.0	32	6.18	.00
165.0	1	100	8.1	1.0	35	6.26	.00
166.0	0	100	7.5	1.0	48	6.33	.00
171.0	1	100	8.8	1.0	49	6.72	.00
172.0	1	100	9.5	1.0	45	6.81	.00
173.0	1	100	8.4	1.0	47	6.90	.00
174.0	1	100	7.8	1.0	43	6.98	.00
175.0	0	100	7.0	1.0	41	7.05	.00
176.0	0	100	7.4	1.0	18	7.12	.00
177.0	0	100	7.3	1.0	11	7.20	.00
178.0	0	100	7.6	1.0	9	7.27	.00
179.0	0	100	5.6	1.0	23	7.33	.00
180.0	0	100	3.1	1.0	31	7.37	.00
181.0	0	100	4.9	1.0	16	7.41	.00
182.0	0	100	6.8	1.0	9	7.47	.00
183.0	1	100	7.8	1.0	7	7.55	.00
184.0	1	100	8.0	1.0	7	7.63	.00
185.0	1	100	9.1	1.0	4	7.72	.00
186.0	1	100	9.1	1.0	5	7.81	.00
187.0	0	100	6.3	1.0	18	7.89	.00
188.0	0	100	5.1	1.0	20	7.94	.00
189.0	0	100	5.2	1.0	20	7.99	.00
190.0	0	100	4.5	1.0	25	8.04	.00
191.0	0	100	2.6	1.0	37	8.07	.00
192.0	0	100	2.3	1.0	30	8.10	.00
193.0	0	100	3.7	1.0	20	8.13	.00
194.0	0	100	2.8	1.0	28	8.16	.00
195.0	0	100	2.3	1.0	29	8.19	.00
196.0	0	100	3.1	1.0	25	8.22	.00
197.0	0	100	4.5	1.0	19	8.26	.00
198.0	0	100	6.0	1.0	16	8.32	.00
199.0	0	100	6.5	1.0	16	8.39	.00
200.0	0	100	5.8	1.0	24	8.46	.00
201.0	0	100	6.0	1.0	40	8.53	.00

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207.0	0	100	4.1	1.0	42	8.62	.00
208.0	0	100	4.5	1.0	31	8.67	.00
209.0	0	100	4.5	1.0	31	8.71	.00
210.0	0	100	4.0	1.0	40	8.75	.00
211.0	0	100	3.8	1.0	44	8.79	.00
212.0	0	100	4.1	1.0	38	8.83	.00
213.0	0	100	4.3	1.0	31	8.87	.00
214.0	0	100	3.4	1.0	27	8.91	.00
215.0	0	100	3.7	1.0	21	8.95	.00
216.0	0	100	3.7	1.0	20	8.98	.00
217.0	0	100	3.8	1.0	19	9.02	.00
218.0	0	100	3.9	1.0	20	9.06	.00
219.0	0	100	4.0	1.0	21	9.10	.00
220.0	0	100	3.8	1.0	33	9.14	.00
221.0	0	100	3.5	1.0	43	9.17	.00
223.0	0	100	2.6	1.0	44	9.22	.00
224.0	0	100	4.6	1.0	39	9.26	.00
227.0	0	100	2.7	1.0	48	9.33	.00
228.0	0	100	3.5	1.0	41	9.37	.00
229.0	0	100	3.8	1.0	35	9.40	.00
230.0	0	100	3.6	1.0	28	9.44	.00
231.0	0	100	4.0	1.0	9.48	.00	.00
232.0	0	100	4.5	1.0	13	9.52	.00
233.0	0	100	4.7	1.0	17	9.57	.00
248.0	0	100	1.1	1.0	49	9.68	.00
249.0	0	100	2.1	1.0	46	9.70	.00
250.0	0	100	3.8	1.0	36	9.74	.00
251.0	0	100	3.1	1.0	28	9.77	.00
252.0	0	100	3.5	1.0	20	9.80	.00
253.0	0	100	3.5	1.0	34	9.84	.00
254.0	0	100	2.2	1.0	47	9.86	.00
255.0	0	100	2.5	1.0	47	9.89	.00
256.0	0	100	2.7	1.0	48	9.91	.00
257.0	0	100	2.3	1.0	47	9.94	.00
260.0	0	100	4.2	1.0	42	10.00	.00
261.0	0	100	5.4	1.0	33	10.05	.00
262.0	0	100	6.0	1.0	25	10.11	.00
263.0	0	100	3.3	1.0	19	10.15	.00
264.0	0	100	3.8	1.0	26	10.19	.00
265.0	0	100	4.6	1.0	45	10.23	.00
269.0	0	100	.8	1.0	49	10.26	.00
270.0	0	100	1.8	1.0	41	10.28	.00
271.0	0	100	2.9	1.0	37	10.30	.00
272.0	0	100	2.5	1.0	30	10.34	.00

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CITIES SERVICE OIL COMPANY
CHESNEY-MEGRERG UNIT MP-106

DEPTH	PERM. INDEX MD	WATER SAT. %	POROSITY %	DENSITY HYDROCARBON GM/CC	CLAY %	CUM. POR. FEET	CUM. HYCARB FEET
273.0	0	100	4.9	1.0	22	10.37	.00
274.0	0	100	4.4	1.0	24	10.42	.00
275.0	0	100	4.2	1.0	33	10.46	.00
276.0	0	100	3.6	1.0	39	10.50	.00
277.0	0	100	3.3	1.0	40	10.53	.00
278.0	0	100	2.2	1.0	43	10.56	.00
279.0	0	100	4.5	1.0	28	10.59	.00
280.0	0	100	6.0	1.0	19	10.65	.00
281.0	0	100	7.6	1.0	17	10.72	.00
282.0	0	100	7.2	1.0	27	10.80	.00
283.0	0	100	6.2	1.0	36	10.86	.00
284.0	0	100	3.7	1.0	48	10.90	.00
289.0	0	100	2.2	1.0	50	10.95	.00
290.0	0	100	2.5	1.0	46	10.97	.00
291.0	0	100	2.4	1.0	47	11.00	.00
292.0	0	100	3.0	1.0	39	11.02	.00
293.0	0	100	3.4	1.0	33	11.06	.00
294.0	0	100	4.2	1.0	29	11.10	.00
295.0	0	100	4.9	1.0	26	11.14	.00
296.0	0	100	6.2	1.0	20	11.20	.00
297.0	1	100	8.9	1.0	18	11.29	.00
298.0	2	100	10.1	1.0	18	11.39	.00
299.0	1	100	9.4	1.0	20	11.48	.00
300.0	2	100	10.4	1.0	19	11.58	.00
301.0	2	100	10.3	1.0	18	11.69	.00
302.0	1	100	8.1	1.0	20	11.77	.00
303.0	0	100	7.1	1.0	20	11.85	.00
304.0	0	100	6.1	1.0	18	11.91	.00
305.0	0	100	2.8	1.0	36	11.95	.00
307.0	0	100	2.7	1.0	49	12.01	.00
308.0	0	100	3.3	1.0	42	12.04	.00
309.0	0	100	3.5	1.0	44	12.07	.00
310.0	0	100	2.7	1.0	50	12.10	.00
315.0	0	100	.0	1.0	49	12.12	.00
316.0	0	100	.4	1.0	45	12.12	.00
317.0	0	100	2.5	1.0	39	12.14	.00
318.0	0	100	2.8	1.0	40	12.17	.00
319.0	0	100	3.4	1.0	27	12.20	.00
320.0	0	100	4.1	1.0	16	12.24	.00
321.0	0	100	5.2	1.0	10	12.29	.00
322.0	0	100	5.5	1.0	11	12.35	.00
323.0	0	100	6.3	1.0	10	12.41	.00
324.0	1	100	7.6	1.0	6	12.48	.00
325.0	1	100	8.4	1.0	3	12.56	.00
326.0	1	100	8.5	1.0	6	12.65	.00
327.0	1	100	3.2	1.0	5	12.73	.00
328.0	0	100	7.6	1.0	7	12.81	.00

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CHESNEY-HEGHERG UNIT MP-106

DEPTH	PERM. INDEX MD	WATER SAT. %	POROSITY %	DENSITY HYDROCARBON GM/CC	CLAY %	CUM. POR. FEET	CUM. HYCARB FEET
329.0	0	100	6.3	1.0	12	12.83	.00
330.0	0	100	5.0	1.0	16	12.93	.00
331.0	0	100	4.6	1.0	18	12.97	.00
332.0	0	100	5.2	1.0	14	13.03	.00
333.0	0	100	5.0	1.0	16	13.03	.00
334.0	0	100	4.5	1.0	18	13.12	.00
335.0	0	100	3.8	1.0	20	13.16	.00
336.0	0	100	3.5	1.0	19	13.20	.00
337.0	0	100	3.7	1.0	19	13.23	.00
338.0	0	100	4.4	1.0	15	13.28	.00
339.0	0	100	4.6	1.0	17	13.32	.00
340.0	0	100	4.6	1.0	22	13.37	.00
341.0	0	100	3.9	1.0	28	13.41	.00
342.0	0	100	2.4	1.0	39	13.44	.00
344.0	0	100	.0	1.0	44	13.45	.00
348.0	1	100	9.2	1.0	39	13.61	.00
349.0	3	100	11.8	1.0	28	13.72	.00
350.0	5	100	13.1	1.0	22	13.85	.00
351.0	5	100	12.6	1.0	19	13.98	.00
352.0	2	100	10.7	1.0	20	14.09	.00
353.0	2	100	10.4	1.0	18	14.19	.00
354.0	1	100	9.3	1.0	23	14.29	.00
355.0	0	100	4.9	1.0	29	14.35	.00
356.0	0	100	3.0	1.0	27	14.33	.00
357.0	0	100	3.8	1.0	20	14.41	.00
358.0	0	100	4.3	1.0	16	14.46	.00
359.0	0	100	4.3	1.0	23	14.50	.00
363.0	0	100	.0	1.0	46	14.54	.00
370.0	0	100	3.4	1.0	47	14.57	.00
371.0	0	100	4.0	1.0	31	14.61	.00
372.0	0	100	3.0	1.0	29	14.64	.00
373.0	0	100	3.4	1.0	28	14.67	.00
374.0	0	100	3.3	1.0	25	14.71	.00
375.0	0	100	3.3	1.0	29	14.75	.00
376.0	0	100	3.5	1.0	37	14.78	.00
377.0	0	100	3.3	1.0	43	14.82	.00
378.0	0	100	3.3	1.0	49	14.85	.00
383.0	1	100	9.2	1.0	48	15.10	.00
384.0	2	100	9.9	1.0	43	15.20	.00
385.0	3	100	11.7	1.0	32	15.31	.00
386.0	2	100	10.3	1.0	31	15.43	.00
387.0	0	100	4.9	1.0	46	15.50	.00
389.0	0	100	3.3	1.0	47	15.54	.00
390.0	0	100	2.3	1.0	37	15.58	.00

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CITIES SERVICE OIL COMPANY
CHESLEY-HEGGERG UNIT MP-106

DEPTH	PERM. INDEX MD	WATER SAT. %	POROSITY %	DENSITY HYDROCARBON GM/CC	CLAY %	CUM. POR. FEET	CUM. HYCARB FEET
391.0	0	100	3.0	1.0	49	15.60	.00
392.0	0	100	6.8	1.0	28	15.66	.00
393.0	0	100	5.9	1.0	24	15.72	.00
394.0	0	100	3.4	1.0	36	15.76	.00
399.0	0	100	4.0	1.0	31	15.85	.00
400.0	1	100	8.1	1.0	11	15.92	.00
401.0	4	100	12.3	1.0	3	16.03	.00
402.0	7	100	13.9	1.0	4	16.17	.00
403.0	6	100	13.3	1.0	8	16.30	.00
404.0	3	100	11.6	1.0	13	16.42	.00
405.0	2	100	9.9	1.0	18	16.53	.00
406.0	0	100	7.4	1.0	23	16.61	.00
407.0	0	100	2.1	1.0	37	16.65	.00
408.0	0	100	3.0	1.0	50	16.66	.00
409.0	0	100	4.9	1.0	39	16.71	.00
410.0	0	100	2.8	1.0	43	16.75	.00
411.0	0	100	1.9	1.0	39	16.77	.00
412.0	0	100	3.3	1.0	26	16.80	.00
413.0	0	100	4.1	1.0	22	16.84	.00
414.0	0	100	4.2	1.0	22	16.88	.00
415.0	0	100	4.6	1.0	21	16.92	.00
416.0	0	100	4.7	1.0	23	16.97	.00
417.0	0	100	4.6	1.0	26	17.02	.00
418.0	0	100	3.0	1.0	36	17.05	.00
419.0	0	100	2.8	1.0	32	17.08	.00
420.0	0	100	3.3	1.0	23	17.11	.00
421.0	0	100	3.6	1.0	17	17.14	.00
422.0	0	100	3.9	1.0	14	17.18	.00
423.0	0	100	3.7	1.0	19	17.22	.00
424.0	0	100	3.0	1.0	30	17.25	.00
425.0	0	100	2.7	1.0	42	17.23	.00
426.0	0	100	3.7	1.0	35	17.31	.00
427.0	0	100	4.5	1.0	28	17.35	.00
428.0	0	100	5.2	1.0	23	17.40	.00
429.0	1	100	7.3	1.0	16	17.47	.00
430.0	14	100	16.3	1.0	2	17.62	.00
431.0	81	100	24.1	1.0	6	17.84	.00
432.0	66	100	23.0	1.0	6	18.08	.00
433.0	28	100	19.0	1.0	12	18.28	.00
434.0	9	100	14.5	1.0	21	18.44	.00
435.0	1	100	8.0	1.0	27	18.53	.00
436.0	0	100	5.7	1.0	29	18.59	.00
437.0	0	100	4.4	1.0	33	18.64	.00
438.0	0	100	3.6	1.0	41	18.68	.00
439.0	0	100	4.4	1.0	36	18.72	.00
440.0	0	100	5.0	1.0	34	18.77	.00
441.0	0	100	4.5	1.0	37	18.81	.00
442.0	0	100	3.9	1.0	39	18.85	.00
443.0	0	100	3.5	1.0	39	18.89	.00

OWLL

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CHESNEY-HOBERG UNIT MP-106

DEPTH	PERM. INDEX MD	WATER SAT. %	POROSITY %	DENSITY HYDROCARBON GM/CC	CLAY %	CUM. POR. FEET	CUM. HYCARB FEET
444.0	0	100	2.9	1.0	40	18.92	.00
445.0	0	100	2.6	1.0	39	18.95	.00
446.0	0	100	3.2	1.0	32	18.98	.00
447.0	0	100	3.6	1.0	26	19.01	.00
448.0	0	100	4.0	1.0	22	19.05	.00
449.0	0	100	4.2	1.0	18	19.09	.00
450.0	0	100	5.6	1.0	11	19.15	.00
451.0	0	100	6.1	1.0	11	19.21	.00
452.0	0	100	2.7	1.0	41	19.25	.00
454.0	0	100	2.0	1.0	47	19.29	.00
455.0	0	100	3.0	1.0	39	19.31	.00
456.0	0	100	4.1	1.0	30	19.35	.00
457.0	0	100	5.3	1.0	22	19.40	.00
458.0	0	100	4.2	1.0	29	19.44	.00
459.0	0	100	4.0	1.0	36	19.49	.00
460.0	0	100	2.3	1.0	49	19.51	.00
462.0	0	100	2.8	1.0	47	19.56	.00
463.0	0	100	2.7	1.0	43	19.58	.00
464.0	0	100	3.0	1.0	39	19.61	.00
465.0	0	100	3.5	1.0	31	19.65	.00
466.0	0	100	4.4	1.0	23	19.69	.00
467.0	0	100	5.9	1.0	13	19.74	.00
468.0	1	100	9.2	1.0	3	19.83	.00
469.0	0	100	1.9	1.0	33	19.89	.00
471.0	0	100	1.6	1.0	44	19.90	.00
472.0	0	100	3.8	1.0	30	19.94	.00
473.0	0	100	4.0	1.0	27	19.98	.00
474.0	0	100	2.7	1.0	25	20.01	.00
475.0	0	100	5.2	1.0	9	20.05	.00
476.0	1	100	9.7	1.0	5	20.13	.00
477.0	0	100	7.1	1.0	26	20.22	.00
480.0	0	100	1.5	1.0	46	20.24	.00
481.0	0	100	4.9	1.0	24	20.28	.00
482.0	0	100	6.6	1.0	26	20.34	.00
483.0	0	100	6.7	1.0	38	20.41	.00
484.0	0	100	5.3	1.0	46	20.47	.00
491.0	0	100	7.1	1.0	44	20.83	.00
492.0	0	100	6.0	1.0	49	20.89	.00
499.0	0	100	3.7	1.0	37	20.98	.00
500.0	0	100	3.8	1.0	32	21.01	.00
501.0	0	100	3.7	1.0	38	21.05	.00
502.0	0	100	2.7	1.0	48	21.08	.00
535.0	0	100	.0	1.0	25	21.14	.00

OWLL

CITIES SERVICE OIL COMPANY
CHESNEY-NEGBERG UNIT MP-106

DEPTH	PERM. INDEX	WATER SAT. %	POROSITY %	DENSITY HYDROCARBON GM/CC	CLAY %	CUM. POR. FEET	CUM. HYCARB FEET
536.0	0	100	.0	1.0	25	21.14	.00
557.0	0	100	2.2	1.0	34	21.17	.00
558.0	0	100	3.0	1.0	23	21.19	.00
559.0	0	100	3.1	1.0	28	21.23	.00
568.0	0	100	.4	1.0	43	21.24	.00
569.0	0	100	.1	1.0	36	21.24	.00
570.0	0	100	.2	1.0	43	21.24	.00
579.0	0	100	.0	1.0	25	21.25	.00
580.0	0	100	.0	1.0	25	21.25	.00
591.0	0	100	.7	1.0	49	21.33	.00
601.0	0	100	7.4	1.0	33	21.41	.00
602.0	0	100	6.8	1.0	26	21.48	.00
603.0	0	100	2.0	1.0	18	21.51	.00
604.0	0	100	.3	1.0	15	21.51	.00
605.0	2	100	10.3	1.0	34	21.59	.00
613.0	1	100	9.2	1.0	50	22.35	.00
614.0	1	100	9.0	1.0	47	22.44	.00
615.0	1	100	8.4	1.0	44	22.52	.00
616.0	1	100	8.8	1.0	35	22.61	.00
617.0	1	100	9.2	1.0	27	22.70	.00
618.0	1	100	8.9	1.0	25	22.79	.00
619.0	1	100	8.9	1.0	27	22.88	.00
620.0	1	100	8.7	1.0	31	22.97	.00
621.0	1	100	8.2	1.0	34	23.05	.00
622.0	1	100	8.5	1.0	31	23.14	.00
623.0	1	100	8.7	1.0	39	23.23	.00
624.0	2	100	10.2	1.0	40	23.32	.00
625.0	3	100	11.4	1.0	40	23.44	.00
626.0	3	100	11.8	1.0	43	23.56	.00
627.0	2	100	10.6	1.0	48	23.66	.00
633.0	2	100	10.7	1.0	39	24.03	.00
634.0	4	100	12.0	1.0	20	24.15	.00
635.0	1	100	9.5	1.0	17	24.26	.00
636.0	1	100	7.8	1.0	34	24.34	.00
637.0	1	100	7.9	1.0	45	24.42	.00
638.0	1	100	8.2	1.0	45	24.50	.00
639.0	0	100	7.6	1.0	38	24.57	.00
640.0	0	100	6.6	1.0	28	24.64	.00
641.0	0	100	4.8	1.0	29	24.69	.00
642.0	0	100	4.9	1.0	34	24.74	.00
643.0	1	100	8.9	1.0	36	24.81	.00
644.0	8	97	14.2	1.0	25	24.94	.00
645.0	29	71	19.1	1.0	16	25.12	.05

OWLL

CITIES SERVICE OIL COMPANY
CHESNEY-HEGBERG UNIT MP-106

DEPTH	PERM. INDEX	WATER SAT.	POROSITY %	DENSITY HYDROCARBON GM/CC	CLAY %	CUM. POR. FEET	CUM. HYCARB FEET
646.0	56	63	22.4	1.0	10	25.33	.12
647.0	71	61	23.4	1.0	9	25.56	.21
648.0	106	60	25.6	1.0	7	25.81	.31
649.0	151	59	27.3	.8	5	26.09	.42
650.0	153	62	27.9	.8	5	26.37	.53
651.0	154	62	27.9	.8	6	26.65	.64
652.0	143	62	27.4	.8	9	26.92	.74
653.0	135	62	27.1	.9	9	27.19	.84
654.0	136	61	27.1	.8	8	27.46	.95
655.0	136	60	27.1	.8	9	27.74	1.05
656.0	123	61	26.5	.9	15	28.00	1.16
657.0	124	61	26.6	1.0	19	28.27	1.26
658.0	114	62	26.0	.9	17	28.53	1.36
659.0	120	61	26.3	.9	16	28.79	1.46
660.0	81	68	24.1	.9	19	29.04	1.55
661.0	49 ⁸⁸⁹	78	21.5	.9	25 ²²⁹	29.26	1.61
662.0	10	100	15.1	1.0	44	29.43	1.62

OWEL

CITIES SERVICE OIL COMPANY
CHESNEY-HEGGERG UNIT MP-106

DEPTH	PERM. INDEX MD	WATER SAT. %	POROSITY %	DENSITY HYDROCARBON GM/CC	CLAY %	CUM. POR. FEET	CUM. HYCARB FEET
91.5	0	100	4.5	1.0	48	.32	.00
92.0	1	100	9.0	1.0	30	.36	.00
92.5	6	100	13.3	1.0	19	.43	.00
93.0	9	100	14.8	1.0	16	.51	.00
93.5	11	100	15.3	1.0	14	.58	.00
94.0	11	100	15.3	1.0	15	.66	.00
94.5	10	100	15.1	1.0	16	.73	.00
95.0	9	100	14.4	1.0	18	.81	.00
95.5	7	100	13.8	1.0	19	.87	.00
96.0	5	100	12.7	1.0	21	.94	.00
96.5	4	100	12.1	1.0	22	1.00	.00
97.0	2	100	10.7	1.0	24	1.05	.00
97.5	1	100	9.5	1.0	26	1.10	.00
98.0	1	100	7.9	1.0	30	1.14	.00
98.5	0	100	6.6	1.0	33	1.17	.00
99.0	0	100	6.0	1.0	34	1.20	.00
99.5	0	100	5.8	1.0	36	1.23	.00
100.0	0	100	5.0	1.0	42	1.26	.00
100.5	0	100	4.1	1.0	46	1.28	.00
101.0	0	100	3.6	1.0	46	1.29	.00
101.5	0	100	3.7	1.0	44	1.31	.00
102.0	0	100	3.6	1.0	43	1.33	.00
102.5	0	100	3.3	1.0	44	1.35	.00
103.0	0	100	2.9	1.0	46	1.36	.00
106.0	0	100	2.3	1.0	49	1.43	.00
110.0	0	100	1.2	1.0	45	1.48	.00
110.5	0	100	1.4	1.0	40	1.49	.00
111.0	0	100	1.4	1.0	37	1.50	.00
111.5	0	100	1.4	1.0	35	1.51	.00
112.0	0	100	1.6	1.0	32	1.51	.00
112.5	0	100	2.3	1.0	33	1.53	.00
113.0	2	100	10.2	1.0	5	1.58	.00
113.5	3	100	11.3	1.0	11	1.63	.00
114.0	1	100	9.7	1.0	16	1.68	.00
114.5	0	100	6.2	1.0	34	1.71	.00
119.5	0	100	6.8	1.0	43	1.99	.00
120.0	0	100	7.5	1.0	37	2.02	.00
120.5	1	100	8.5	1.0	32	2.07	.00
121.0	1	100	8.6	1.0	29	2.11	.00
121.5	1	100	8.5	1.0	24	2.15	.00
122.0	1	100	8.5	1.0	20	2.19	.00
122.5	1	100	8.2	1.0	16	2.23	.00
123.0	0	100	6.8	1.0	14	2.27	.00
123.5	0	100	5.5	1.0	13	2.30	.00
124.0	0	100	3.6	1.0	22	2.31	.00
124.5	0	100	3.6	1.0	36	2.33	.00
125.0	0	100	3.3	1.0	37	2.35	.00

OWLL

CITIES SERVICE OIL COMPANY
CHESNEY-HEGGER UNIT MP-106

DEPTH	PERM. INDEX MD	WATER SAT. %	POROSITY %	DENSITY HYDROCARBON GM/CC	CLAY %	CUM. POR. FEET	CUM. HYCARB FEET
125.5	0	100	2.7	1.0	34	2.36	.00
126.0	0	100	2.8	1.0	24	2.38	.00
126.5	0	100	4.9	1.0	13	2.40	.00
127.0	0	100	5.4	1.0	13	2.43	.00
127.5	0	100	5.6	1.0	16	2.46	.00
128.0	0	100	5.3	1.0	21	2.48	.00
128.5	0	100	5.2	1.0	23	2.51	.00
129.0	0	100	6.4	1.0	16	2.54	.00
129.5	1	100	8.4	1.0	4	2.58	.00
130.0	1	100	8.5	1.0	4	2.62	.00
130.5	1	100	8.7	1.0	4	2.67	.00
131.0	1	100	8.4	1.0	4	2.71	.00
131.5	1	100	7.8	1.0	5	2.75	.00
132.0	0	100	6.7	1.0	4	2.78	.00
132.5	0	100	5.8	1.0	16	2.81	.00
133.0	0	100	5.2	1.0	22	2.84	.00
133.5	0	100	4.3	1.0	31	2.86	.00
134.0	0	100	5.4	1.0	30	2.89	.00
134.5	0	100	4.9	1.0	34	2.91	.00
135.0	0	100	4.4	1.0	39	2.93	.00
135.5	0	100	4.1	1.0	42	2.95	.00
136.0	0	100	4.1	1.0	39	2.97	.00
136.5	0	100	4.4	1.0	36	2.99	.00
137.0	0	100	4.6	1.0	33	3.02	.00
137.5	0	100	4.9	1.0	31	3.04	.00
138.0	0	100	5.0	1.0	33	3.07	.00
138.5	0	100	5.1	1.0	35	3.09	.00
139.0	0	100	5.1	1.0	34	3.12	.00
139.5	0	100	6.1	1.0	30	3.15	.00
140.0	0	100	7.0	1.0	26	3.18	.00
140.5	0	100	7.4	1.0	25	3.22	.00
141.0	1	100	7.8	1.0	23	3.26	.00
141.5	0	100	6.9	1.0	26	3.30	.00
142.0	0	100	5.8	1.0	32	3.32	.00
142.5	0	100	5.7	1.0	30	3.35	.00
143.0	0	100	2.8	1.0	34	3.37	.00
143.5	0	100	1.9	1.0	28	3.38	.00
144.0	0	100	2.8	1.0	19	3.39	.00
144.5	0	100	5.5	1.0	20	3.42	.00
145.0	1	100	9.1	1.0	17	3.46	.00
145.5	2	100	10.4	1.0	15	3.51	.00
146.0	3	100	11.7	1.0	9	3.57	.00
146.5	5	100	13.1	1.0	6	3.64	.00
147.0	6	100	13.5	1.0	6	3.71	.00
147.5	7	100	13.9	1.0	7	3.78	.00
148.0	17	100	17.0	1.0	6	3.86	.00
148.5	36	100	20.0	1.0	5	3.96	.00
149.0	60	100	22.5	1.0	5	4.07	.00
149.5	59	100	22.5	1.0	4	4.19	.00
150.0	59	100	22.5	1.0	4	4.30	.00

WLL

CITIES SERVICE OIL COMPANY
CHESNEY-HEGGERG UNIT MP-106

DEPTH	PERM. INDEX MD	WATER SAT. %	POROSITY %	DENSITY HYDROCARBON GM/CC	CLAY %	CUM. POR. FEET	CUM. HYCARB FEET
150.5	59	100	22.5	1.0	4	4.41	.00
151.0	59	100	22.5	1.0	4	4.52	.00
151.5	62	100	22.7	1.0	4	4.64	.00
152.0	64	100	22.9	1.0	4	4.75	.00
152.5	67	100	23.1	1.0	4	4.87	.00
153.0	70	100	23.3	1.0	5	4.98	.00
153.5	73	100	23.5	1.0	5	5.10	.00
154.0	72	100	23.4	1.0	5	5.22	.00
154.5	67	100	23.1	1.0	5	5.33	.00
155.0	39	100	20.4	1.0	4	5.43	.00
155.5	16	100	16.7	1.0	2	5.52	.00
156.0	8	100	14.1	1.0	7	5.59	.00
156.5	3	100	11.6	1.0	10	5.65	.00
157.0	1	100	8.2	1.0	15	5.69	.00
157.5	1	100	8.0	1.0	13	5.73	.00
158.0	1	100	7.7	1.0	12	5.77	.00
158.5	0	100	7.4	1.0	16	5.80	.00
159.0	0	100	7.0	1.0	19	5.84	.00
159.5	0	100	6.6	1.0	18	5.87	.00
160.0	0	100	6.3	1.0	17	5.90	.00
160.5	0	100	6.7	1.0	12	5.94	.00
161.0	0	100	6.9	1.0	9	5.97	.00
161.5	0	100	6.8	1.0	9	6.00	.00
162.0	0	100	7.1	1.0	10	6.04	.00
162.5	0	100	7.0	1.0	14	6.08	.00
163.0	0	100	7.1	1.0	25	6.11	.00
163.5	0	100	6.9	1.0	30	6.15	.00
164.0	0	100	6.7	1.0	32	6.18	.00
164.5	0	100	7.6	1.0	32	6.22	.00
165.0	1	100	8.1	1.0	35	6.26	.00
165.5	0	100	7.5	1.0	42	6.29	.00
166.0	0	100	7.5	1.0	48	6.33	.00
171.0	1	100	8.8	1.0	49	6.72	.00
171.5	1	100	9.1	1.0	47	6.77	.00
172.0	1	100	9.5	1.0	45	6.81	.00
172.5	1	100	8.8	1.0	47	6.86	.00
173.0	1	100	8.4	1.0	47	6.90	.00
173.5	1	100	8.1	1.0	45	6.94	.00
174.0	1	100	7.8	1.0	43	6.98	.00
174.5	0	100	7.1	1.0	44	7.02	.00
175.0	0	100	7.0	1.0	41	7.05	.00
175.5	0	100	7.0	1.0	34	7.09	.00
176.0	0	100	7.4	1.0	18	7.12	.00
176.5	1	100	7.6	1.0	10	7.16	.00
177.0	0	100	7.3	1.0	11	7.20	.00
177.5	0	100	7.4	1.0	10	7.23	.00
178.0	0	100	7.6	1.0	9	7.27	.00
178.5	0	100	7.0	1.0	7	7.31	.00
179.0	0	100	5.6	1.0	23	7.33	.00

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CITIES SERVICE OIL COMPANY
CHESNEY-HEGGERG UNIT MP-106

DEPTH	PERM. INDEX MD	WATER SAT. %	POROSITY %	DENSITY HYDROCARBON GM/CC	CLAY %	CUM. POR. FEET	CUM. HYCARB FEET
179.5	0	100	3.7	1.0	33	7.35	.00
180.0	0	100	3.1	1.0	31	7.37	.00
180.5	0	100	3.5	1.0	24	7.39	.00
181.0	0	100	4.9	1.0	16	7.41	.00
181.5	0	100	5.7	1.0	13	7.44	.00
182.0	0	100	6.8	1.0	9	7.47	.00
182.5	0	100	7.3	1.0	8	7.51	.00
183.0	1	100	7.8	1.0	7	7.55	.00
183.5	1	100	8.0	1.0	7	7.59	.00
184.0	1	100	8.0	1.0	7	7.63	.00
184.5	1	100	8.8	1.0	6	7.67	.00
185.0	1	100	9/1	1.0	4	7.72	.00
185.5	2	100	9.7	1.0	4	7.77	.00
186.0	1	100	9.1	1.0	5	7.81	.00
186.5	1	100	8.7	1.0	11	7.85	.00
187.0	0	100	6.3	1.0	18	7.89	.00
187.5	0	100	5.3	1.0	19	7.91	.00
188.0	0	100	5.1	1.0	20	7.94	.00
188.5	0	100	5.0	1.0	21	7.96	.00
189.0	0	100	5.2	1.0	20	7.99	.00
189.5	0	100	5.5	1.0	19	8.02	.00
190.0	0	100	4.5	1.0	25	8.04	.00
190.5	0	100	3.6	1.0	32	8.06	.00
191.0	0	100	2.6	1.0	37	8.07	.00
191.5	0	100	2.3	1.0	36	8.08	.00
192.0	0	100	2.8	1.0	30	8.10	.00
192.5	0	100	3.2	1.0	24	8.11	.00
193.0	0	100	3.7	1.0	20	8.13	.00
193.5	0	100	3.8	1.0	20	8.15	.00
194.0	0	100	2.8	1.0	28	8.16	.00
194.5	0	100	2.8	1.0	29	8.18	.00
195.0	0	100	2.8	1.0	29	8.19	.00
195.5	0	100	3.0	1.0	28	8.21	.00
196.0	0	100	3.1	1.0	25	8.22	.00
196.5	0	100	3.8	1.0	22	8.24	.00
197.0	0	100	4.5	1.0	19	8.26	.00
197.5	0	100	5.5	1.0	16	8.29	.00
198.0	0	100	6.0	1.0	16	8.32	.00
198.5	0	100	6.4	1.0	15	8.35	.00
199.0	0	100	6.5	1.0	16	8.39	.00
199.5	1	100	9.3	1.0	13	8.43	.00
200.0	0	100	5.8	1.0	24	8.46	.00
200.5	0	100	6.9	1.0	35	8.49	.00
201.0	0	100	6.0	1.0	40	8.53	.00
206.5	0	100	3.8	1.0	48	8.60	.00
207.0	0	100	4.1	1.0	42	8.62	.00
207.5	0	100	4.3	1.0	36	8.64	.00
208.0	0	100	4.5	1.0	31	8.67	.00
208.5	0	100	4.5	1.0	32	8.69	.00

OWLL

CITIES SERVICE OIL COMPANY
CHESNEY-HEGGER UNIT MP-106

DEPTH	PERM. INDEX MD	WATER SAT. %	POROSITY %	DENSITY HYDROCARBON GM/CC	CLAY %	CUM. POR. FEET	CUM. HYCARB FEET
209.0	0	100	4.5	1.0	31	8.71	.00
209.5	0	100	4.5	1.0	31	8.73	.00
210.0	0	100	4.0	1.0	40	8.75	.00
210.5	0	100	3.8	1.0	46	8.77	.00
211.0	0	100	3.8	1.0	44	8.79	.00
211.5	0	100	3.9	1.0	40	8.81	.00
212.0	0	100	4.1	1.0	38	8.83	.00
212.5	0	100	4.2	1.0	34	8.85	.00
213.0	0	100	4.3	1.0	31	8.87	.00
213.5	0	100	3.4	1.0	31	8.89	.00
214.0	0	100	3.4	1.0	27	8.91	.00
214.5	0	100	3.8	1.0	21	8.93	.00
215.0	0	100	3.7	1.0	21	8.95	.00
215.5	0	100	3.7	1.0	20	8.96	.00
216.0	0	100	3.7	1.0	20	8.98	.00
216.5	0	100	3.8	1.0	20	9.00	.00
217.0	0	100	3.8	1.0	19	9.02	.00
217.5	0	100	3.9	1.0	20	9.04	.00
218.0	0	100	3.9	1.0	20	9.06	.00
218.5	0	100	3.9	1.0	20	9.08	.00
219.0	0	100	4.0	1.0	21	9.10	.00
219.5	0	100	3.6	1.0	26	9.12	.00
220.0	0	100	3.8	1.0	33	9.14	.00
220.5	0	100	4.0	1.0	36	9.16	.00
221.0	0	100	3.5	1.0	43	9.17	.00
221.5	0	100	2.8	1.0	48	9.19	.00
223.0	0	100	2.6	1.0	44	9.22	.00
223.5	0	100	3.6	1.0	38	9.23	.00
224.0	0	100	4.6	1.0	39	9.26	.00
224.5	0	100	4.2	1.0	46	9.28	.00
227.0	0	100	2.7	1.0	48	9.33	.00
227.5	0	100	3.1	1.0	44	9.35	.00
228.0	0	100	3.5	1.0	41	9.37	.00
228.5	0	100	3.6	1.0	37	9.38	.00
229.0	0	100	3.8	1.0	35	9.40	.00
229.5	0	100	3.8	1.0	32	9.42	.00
230.0	0	100	3.6	1.0	28	9.44	.00
230.5	0	100	3.4	1.0	24	9.46	.00
231.0	0	100	4.0	1.0	15	9.48	.00
231.5	0	100	4.2	1.0	12	9.50	.00
232.0	0	100	4.5	1.0	13	9.52	.00
232.5	0	100	4.6	1.0	14	9.54	.00
233.0	0	100	4.7	1.0	17	9.57	.00
233.5	0	100	4.0	1.0	31	9.59	.00
248.0	0	100	1.1	1.0	49	9.68	.00
248.5	0	100	1.9	1.0	46	9.69	.00
249.0	0	100	2.1	1.0	46	9.70	.00

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CITIES SERVICE OIL COMPANY
CHESNEY-HEGGERG UNIT MP-106

DEPTH	PERM. INDEX MD	WATER SAT. %	POROSITY %	DENSITY HYDROCARBON GM/CC	CLAY %	CUM. POR. FEET	CUM. HYCARB FEET
249.5	0	100	2.8	1.0	41	9.72	.00
250.0	0	100	3.8	1.0	36	9.74	.00
250.5	0	100	3.6	1.0	32	9.75	.00
251.0	0	100	3.1	1.0	28	9.77	.00
251.5	0	100	3.3	1.0	23	9.79	.00
252.0	0	100	3.5	1.0	20	9.80	.00
252.5	0	100	3.6	1.0	30	9.82	.00
253.0	0	100	3.5	1.0	34	9.84	.00
253.5	0	100	2.9	1.0	41	9.85	.00
254.0	0	100	2.2	1.0	47	9.86	.00
254.5	0	100	2.2	1.0	48	9.88	.00
255.0	0	100	2.5	1.0	47	9.89	.00
255.5	0	100	2.6	1.0	46	9.90	.00
256.0	0	100	2.7	1.0	48	9.91	.00
256.5	0	100	2.8	1.0	47	9.93	.00
257.0	0	100	2.3	1.0	47	9.94	.00
257.5	0	100	1.8	1.0	47	9.95	.00
259.5	0	100	3.1	1.0	48	9.98	.00
260.0	0	100	4.2	1.0	42	10.00	.00
260.5	0	100	5.2	1.0	34	10.02	.00
261.0	0	100	5.4	1.0	33	10.05	.00
261.5	0	100	5.9	1.0	28	10.08	.00
262.0	0	100	6.0	1.0	25	10.11	.00
262.5	0	100	4.2	1.0	22	10.13	.00
263.0	0	100	3.3	1.0	19	10.15	.00
263.5	0	100	3.7	1.0	18	10.17	.00
264.0	0	100	3.8	1.0	26	10.19	.00
264.5	0	100	4.7	1.0	33	10.21	.00
265.0	0	100	4.6	1.0	45	10.23	.00
269.0	0	100	.8	1.0	49	10.26	.00
269.5	0	100	1.4	1.0	46	10.27	.00
270.0	0	100	1.8	1.0	41	10.28	.00
270.5	0	100	2.6	1.0	40	10.29	.00
271.0	0	100	2.9	1.0	37	10.30	.00
271.5	0	100	3.1	1.0	34	10.32	.00
272.0	0	100	3.5	1.0	30	10.34	.00
272.5	0	100	3.8	1.0	25	10.35	.00
273.0	0	100	4.0	1.0	22	10.37	.00
273.5	0	100	4.5	1.0	19	10.40	.00
274.0	0	100	4.4	1.0	24	10.42	.00
274.5	0	100	4.2	1.0	30	10.44	.00
275.0	0	100	4.2	1.0	33	10.46	.00
275.5	0	100	3.6	1.0	38	10.48	.00
276.0	0	100	3.6	1.0	39	10.50	.00
276.5	0	100	3.7	1.0	38	10.52	.00
277.0	0	100	3.3	1.0	40	10.53	.00
277.5	0	100	2.7	1.0	44	10.55	.00
278.0	0	100	2.2	1.0	43	10.56	.00

OWLL

CITIES SERVICE OIL COMPANY
CHESNEY-HEGGERG UNIT MP-106

DEPTH	PERM. INDEX MD	WATER SAT. %	POROSITY %	DENSITY HYDROCARBON GM/CC	CLAY %	CUM. POR. FEET	CUM. HYCARB FEET
278.5	0	100	3.1	1.0	35	10.57	.00
279.0	0	100	4.5	1.0	28	10.59	.00
279.5	0	100	5.1	1.0	23	10.62	.00
280.0	0	100	6.0	1.0	19	10.65	.00
280.5	0	100	7.2	1.0	14	10.69	.00
281.0	0	100	7.6	1.0	17	10.72	.00
281.5	0	100	7.4	1.0	21	10.76	.00
282.0	0	100	7.2	1.0	27	10.80	.00
282.5	0	100	6.9	1.0	31	10.83	.00
283.0	0	100	6.2	1.0	36	10.86	.00
283.5	0	100	4.6	1.0	44	10.89	.00
284.0	0	100	3.7	1.0	48	10.90	.00
289.0	0	100	2.2	1.0	50	10.95	.00
289.5	0	100	2.6	1.0	46	10.96	.00
290.0	0	100	2.5	1.0	46	10.97	.00
290.5	0	100	2.5	1.0	46	10.98	.00
291.0	0	100	2.4	1.0	47	11.00	.00
291.5	0	100	2.8	1.0	42	11.01	.00
292.0	0	100	3.0	1.0	39	11.02	.00
292.5	0	100	3.1	1.0	36	11.04	.00
293.0	0	100	3.4	1.0	33	11.06	.00
293.5	0	100	3.9	1.0	30	11.08	.00
294.0	0	100	4.2	1.0	29	11.10	.00
294.5	0	100	4.5	1.0	28	11.12	.00
295.0	0	100	4.9	1.0	26	11.14	.00
295.5	0	100	5.6	1.0	23	11.17	.00
296.0	0	100	6.2	1.0	20	11.20	.00
296.5	1	100	8.0	1.0	18	11.24	.00
297.0	1	100	8.9	1.0	18	11.29	.00
297.5	2	100	9.8	1.0	18	11.34	.00
298.0	2	100	10.1	1.0	18	11.39	.00
298.5	2	100	9.9	1.0	18	11.44	.00
299.0	1	100	9.4	1.0	20	11.48	.00
299.5	1	100	9.6	1.0	18	11.53	.00
300.0	2	100	10.4	1.0	19	11.58	.00
300.5	2	100	10.4	1.0	18	11.63	.00
301.0	2	100	10.3	1.0	18	11.69	.00
301.5	1	100	9.1	1.0	19	11.73	.00
302.0	1	100	8.1	1.0	20	11.77	.00
302.5	0	100	7.6	1.0	21	11.81	.00
303.0	0	100	7.1	1.0	20	11.85	.00
303.5	0	100	6.5	1.0	19	11.88	.00
304.0	0	100	6.1	1.0	18	11.91	.00
304.5	0	100	6.3	1.0	17	11.94	.00
305.0	0	100	2.8	1.0	36	11.95	.00
307.0	0	100	2.7	1.0	49	12.01	.00
307.5	0	100	3.0	1.0	44	12.02	.00
308.0	0	100	3.3	1.0	42	12.04	.00

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CITIES SERVICE OIL COMPANY
CHESNEY-HEGGERG UNIT MP-106

DEPTH	PERM. INDEX MD	WATER SAT. %	POROSITY %	DENSITY HYDROCARBON GM/CC	CLAY %	CUM. POR. FEET	CUM. HYCARB FEET
308.5	0	100	3.7	1.0	42	12.06	.00
309.0	0	100	3.5	1.0	44	12.07	.00
309.5	0	100	3.1	1.0	47	12.09	.00
310.0	0	100	2.7	1.0	50	12.10	.00
315.0	0	100	.0	1.0	49	12.12	.00
315.5	0	100	.0	1.0	48	12.12	.00
316.0	0	100	.4	1.0	45	12.12	.00
316.5	0	100	1.5	1.0	38	12.13	.00
317.0	0	100	2.5	1.0	39	12.14	.00
317.5	0	100	2.8	1.0	40	12.16	.00
318.0	0	100	2.8	1.0	40	12.17	.00
318.5	0	100	3.3	1.0	35	12.19	.00
319.0	0	100	3.4	1.0	27	12.20	.00
319.5	0	100	3.7	1.0	21	12.22	.00
320.0	0	100	4.1	1.0	16	12.24	.00
320.5	0	100	4.8	1.0	11	12.27	.00
321.0	0	100	5.2	1.0	10	12.29	.00
321.5	0	100	5.4	1.0	11	12.32	.00
322.0	0	100	5.5	1.0	11	12.35	.00
322.5	0	100	5.7	1.0	11	12.38	.00
323.0	0	100	6.3	1.0	10	12.41	.00
323.5	0	100	7.2	1.0	7	12.44	.00
324.0	1	100	7.6	1.0	6	12.48	.00
324.5	1	100	8.1	1.0	4	12.52	.00
325.0	1	100	8.4	1.0	3	12.56	.00
325.5	1	100	8.4	1.0	5	12.61	.00
326.0	1	100	8.5	1.0	6	12.65	.00
326.5	1	100	8.4	1.0	6	12.69	.00
327.0	1	100	8.2	1.0	5	12.73	.00
327.5	1	100	8.0	1.0	6	12.77	.00
328.0	0	100	7.6	1.0	7	12.81	.00
328.5	0	100	7.1	1.0	9	12.85	.00
329.0	0	100	6.3	1.0	12	12.88	.00
329.5	0	100	5.5	1.0	15	12.90	.00
330.0	0	100	5.0	1.0	18	12.93	.00
330.5	0	100	4.5	1.0	19	12.95	.00
331.0	0	100	4.6	1.0	18	12.97	.00
331.5	0	100	4.9	1.0	16	13.00	.00
332.0	0	100	5.2	1.0	14	13.03	.00
332.5	0	100	5.1	1.0	16	13.05	.00
333.0	0	100	5.0	1.0	16	13.08	.00
333.5	0	100	4.9	1.0	16	13.10	.00
334.0	0	100	4.5	1.0	18	13.12	.00
334.5	0	100	4.1	1.0	19	13.14	.00
335.0	0	100	3.8	1.0	20	13.16	.00
335.5	0	100	3.6	1.0	20	13.18	.00
336.0	0	100	3.5	1.0	19	13.20	.00
336.5	0	100	3.6	1.0	19	13.22	.00
337.0	0	100	3.7	1.0	19	13.23	.00

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CITIES SERVICE OIL COMPANY
CHESNEY-HEGGER UNIT MP-106

DEPTH	PERM. INDEX MD	WATER SAT. %	POROSITY %	DENSITY HYDROCARBON GM/CC	CLAY %	CUM. POR. FEET	CUM. HYCARB FEET
337.5	0	100	4.0	1.0	17	13.25	.00
338.0	0	100	4.4	1.0	15	13.28	.00
338.5	0	100	4.6	1.0	15	13.30	.00
339.0	0	100	4.6	1.0	17	13.32	.00
339.5	0	100	4.6	1.0	19	13.35	.00
340.0	0	100	4.6	1.0	22	13.37	.00
340.5	0	100	4.0	1.0	27	13.39	.00
341.0	0	100	3.9	1.0	28	13.41	.00
341.5	0	100	3.7	1.0	33	13.43	.00
342.0	0	100	2.4	1.0	39	13.44	.00
344.0	0	100	.0	1.0	44	13.45	.00
347.5	1	100	7.8	1.0	48	13.56	.00
348.0	1	100	9.2	1.0	39	13.61	.00
348.5	2	100	10.4	1.0	34	13.66	.00
349.0	3	100	11.8	1.0	28	13.72	.00
349.5	4	100	12.4	1.0	25	13.73	.00
350.0	5	100	13.1	1.0	22	13.85	.00
350.5	6	100	13.2	1.0	20	13.91	.00
351.0	5	100	12.6	1.0	19	13.98	.00
351.5	3	100	11.7	1.0	17	14.04	.00
352.0	2	100	10.7	1.0	20	14.09	.00
352.5	1	100	9.5	1.0	21	14.14	.00
353.0	2	100	10.4	1.0	18	14.19	.00
353.5	2	100	10.9	1.0	18	14.24	.00
354.0	1	100	9.3	1.0	23	14.29	.00
354.5	0	100	6.6	1.0	29	14.32	.00
355.0	0	100	4.9	1.0	29	14.35	.00
355.5	0	100	3.0	1.0	30	14.36	.00
356.0	0	100	3.0	1.0	27	14.38	.00
356.5	0	100	3.3	1.0	23	14.39	.00
357.0	0	100	3.8	1.0	20	14.41	.00
357.5	0	100	4.2	1.0	17	14.43	.00
358.0	0	100	4.3	1.0	16	14.46	.00
358.5	0	100	4.4	1.0	18	14.48	.00
359.0	0	100	4.3	1.0	23	14.50	.00
359.5	0	100	2.2	1.0	46	14.51	.00
368.0	0	100	.0	1.0	46	14.54	.00
368.5	0	100	.0	1.0	48	14.54	.00
370.0	0	100	3.4	1.0	47	14.57	.00
370.5	0	100	4.2	1.0	36	14.59	.00
371.0	0	100	4.0	1.0	31	14.61	.00
371.5	0	100	3.4	1.0	31	14.63	.00
372.0	0	100	3.0	1.0	29	14.64	.00
372.5	0	100	3.1	1.0	29	14.66	.00
373.0	0	100	3.4	1.0	28	14.67	.00
373.5	0	100	3.7	1.0	25	14.69	.00

DWLL

CITIES SERVICE OIL COMPANY
CHESNEY-HEGGERG UNIT MP-106

DEPTH	PERM. INDEX MD	WATER SAT. %	POROSITY %	DENSITY HYDROCARBON GM/CC	CLAY %	CUM. POR. FEET	CUM. HYCARB FEET
374.0	0	100	3.8	1.0	25	14.71	.00
374.5	0	100	3.8	1.0	26	14.73	.00
375.0	0	100	3.8	1.0	29	14.75	.00
375.5	0	100	3.6	1.0	34	14.77	.00
376.0	0	100	3.5	1.0	37	14.78	.00
376.5	0	100	3.4	1.0	40	14.80	.00
377.0	0	100	3.3	1.0	43	14.82	.00
377.5	0	100	2.9	1.0	47	14.83	.00
378.0	0	100	3.3	1.0	49	14.85	.00
382.5	1	100	3.8	1.0	49	15.06	.00
383.0	1	100	9.2	1.0	48	15.10	.00
383.5	1	100	9.6	1.0	46	15.15	.00
384.0	2	100	9.9	1.0	43	15.20	.00
384.5	2	100	10.8	1.0	37	15.25	.00
385.0	3	100	11.7	1.0	32	15.31	.00
385.5	4	100	12.0	1.0	30	15.37	.00
386.0	2	100	10.8	1.0	31	15.43	.00
386.5	1	100	9.2	1.0	34	15.47	.00
387.0	0	100	4.9	1.0	46	15.50	.00
389.0	0	100	3.3	1.0	47	15.54	.00
389.5	0	100	3.4	1.0	40	15.56	.00
390.0	0	100	2.8	1.0	37	15.58	.00
390.5	0	100	2.7	1.0	43	15.59	.00
391.0	0	100	3.0	1.0	49	15.60	.00
391.5	0	100	4.5	1.0	45	15.63	.00
392.0	0	100	6.8	1.0	28	15.66	.00
392.5	0	100	6.5	1.0	25	15.69	.00
393.0	0	100	5.9	1.0	24	15.72	.00
393.5	0	100	4.7	1.0	30	15.75	.00
394.0	0	100	3.4	1.0	36	15.76	.00
394.5	0	100	2.1	1.0	45	15.77	.00
398.5	0	100	2.6	1.0	41	15.83	.00
399.0	0	100	4.0	1.0	31	15.85	.00
399.5	0	100	5.9	1.0	22	15.88	.00
400.0	1	100	8.1	1.0	11	15.92	.00
400.5	2	100	10.5	1.0	3	15.97	.00
401.0	4	100	12.3	1.0	3	16.03	.00
401.5	6	100	13.4	1.0	4	16.10	.00
402.0	7	100	13.9	1.0	4	16.17	.00
402.5	7	100	13.7	1.0	6	16.24	.00
403.0	6	100	13.3	1.0	8	16.30	.00
403.5	4	100	12.4	1.0	11	16.36	.00
404.0	3	100	11.6	1.0	13	16.42	.00
404.5	2	100	10.7	1.0	16	16.48	.00
405.0	2	100	9.9	1.0	18	16.53	.00
405.5	1	100	9.3	1.0	19	16.57	.00
406.0	0	100	7.4	1.0	23	16.61	.00

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CITIES SERVICE OIL COMPANY
CHESNEY-HEGGER UNIT MP-106

DEPTH	PERM. INDEX MD	WATER SAT. %	POROSITY %	DENSITY HYDROCARBON GM/CC	CLAY %	CUM. POR. FEET	CUM. HYCARB FEET
406.5	0	100	5.1	1.0	27	16.63	.00
407.0	0	100	2.1	1.0	37	16.65	.00
407.5	0	100	.4	1.0	48	16.65	.00
408.0	0	100	3.0	1.0	50	16.66	.00
408.5	0	100	5.6	1.0	39	16.69	.00
409.0	0	100	4.9	1.0	39	16.71	.00
409.5	0	100	3.7	1.0	41	16.73	.00
410.0	0	100	2.8	1.0	43	16.75	.00
410.5	0	100	1.9	1.0	44	16.76	.00
411.0	0	100	1.9	1.0	39	16.77	.00
411.5	0	100	2.9	1.0	30	16.78	.00
412.0	0	100	3.3	1.0	26	16.80	.00
412.5	0	100	3.8	1.0	22	16.82	.00
413.0	0	100	4.1	1.0	22	16.84	.00
413.5	0	100	4.1	1.0	22	16.86	.00
414.0	0	100	4.2	1.0	22	16.88	.00
414.5	0	100	4.3	1.0	22	16.90	.00
415.0	0	100	4.6	1.0	21	16.92	.00
415.5	0	100	4.8	1.0	21	16.95	.00
416.0	0	100	4.7	1.0	23	16.97	.00
416.5	0	100	4.7	1.0	24	16.99	.00
417.0	0	100	4.6	1.0	26	17.02	.00
417.5	0	100	3.7	1.0	32	17.03	.00
418.0	0	100	3.0	1.0	36	17.05	.00
418.5	0	100	2.6	1.0	38	17.06	.00
419.0	0	100	2.8	1.0	32	17.08	.00
419.5	0	100	3.0	1.0	27	17.09	.00
420.0	0	100	3.3	1.0	23	17.11	.00
420.5	0	100	3.4	1.0	19	17.12	.00
421.0	0	100	3.6	1.0	17	17.14	.00
421.5	0	100	3.8	1.0	15	17.16	.00
422.0	0	100	3.9	1.0	14	17.18	.00
422.5	0	100	3.7	1.0	16	17.20	.00
423.0	0	100	3.7	1.0	19	17.22	.00
423.5	0	100	3.2	1.0	24	17.23	.00
424.0	0	100	3.0	1.0	30	17.25	.00
424.5	0	100	2.7	1.0	39	17.26	.00
425.0	0	100	2.7	1.0	42	17.28	.00
425.5	0	100	3.1	1.0	40	17.29	.00
426.0	0	100	3.7	1.0	35	17.31	.00
426.5	0	100	4.1	1.0	32	17.33	.00
427.0	0	100	4.5	1.0	28	17.35	.00
427.5	0	100	4.8	1.0	25	17.38	.00
428.0	0	100	5.2	1.0	23	17.40	.00
428.5	0	100	6.5	1.0	20	17.44	.00
429.0	1	100	7.8	1.0	16	17.47	.00
429.5	5	100	12.6	1.0	6	17.54	.00
430.0	14	100	16.3	1.0	2	17.62	.00
430.5	35	100	20.0	1.0	3	17.72	.00
431.0	81	100	24.1	1.0	6	17.84	.00

O W L L

CITIES SERVICE OIL COMPANY
CHESNEY-HEGBERG UNIT MP-106

DEPTH	PERM. INDEX MD	WATER SAT. %	POROSITY %	DENSITY HYDROCARBON GM/CC	CLAY %	CUM. POR. FEET	CUM. HYCARB FEET
431.5	83	100	24.2	1.0	7	17.96	.00
432.0	66	100	23.0	1.0	6	18.08	.00
432.5	51	100	21.7	1.0	5	18.18	.00
433.0	28	100	19.0	1.0	12	18.28	.00
433.5	17	100	17.0	1.0	16	18.36	.00
434.0	9	100	14.5	1.0	21	18.44	.00
434.5	3	100	11.1	1.0	23	18.49	.00
435.0	1	100	8.0	1.0	27	18.53	.00
435.5	0	100	6.9	1.0	28	18.57	.00
436.0	0	100	5.7	1.0	29	18.59	.00
436.5	0	100	5.0	1.0	30	18.62	.00
437.0	0	100	4.4	1.0	33	18.64	.00
437.5	0	100	3.6	1.0	39	18.66	.00
438.0	0	100	3.6	1.0	41	18.68	.00
438.5	0	100	4.0	1.0	39	18.70	.00
439.0	0	100	4.4	1.0	36	18.72	.00
439.5	0	100	4.8	1.0	34	18.74	.00
440.0	0	100	5.0	1.0	34	18.77	.00
440.5	0	100	4.8	1.0	35	18.79	.00
441.0	0	100	4.5	1.0	37	18.81	.00
441.5	0	100	4.2	1.0	38	18.84	.00
442.0	0	100	3.9	1.0	39	18.85	.00
442.5	0	100	3.7	1.0	40	18.87	.00
443.0	0	100	3.5	1.0	39	18.89	.00
443.5	0	100	3.3	1.0	39	18.91	.00
444.0	0	100	2.9	1.0	40	18.92	.00
444.5	0	100	2.7	1.0	40	18.94	.00
445.0	0	100	2.6	1.0	39	18.95	.00
445.5	0	100	2.8	1.0	37	18.96	.00
446.0	0	100	3.2	1.0	32	18.98	.00
446.5	0	100	3.4	1.0	29	19.00	.00
447.0	0	100	3.6	1.0	26	19.01	.00
447.5	0	100	3.8	1.0	24	19.03	.00
448.0	0	100	4.0	1.0	22	19.05	.00
448.5	0	100	4.1	1.0	20	19.07	.00
449.0	0	100	4.2	1.0	18	19.09	.00
449.5	0	100	5.0	1.0	14	19.12	.00
450.0	0	100	5.6	1.0	11	19.15	.00
450.5	0	100	6.1	1.0	9	19.18	.00
451.0	0	100	6.1	1.0	11	19.21	.00
451.5	0	100	5.2	1.0	17	19.23	.00
452.0	0	100	2.7	1.0	41	19.25	.00
452.5	0	100	1.8	1.0	48	19.26	.00
453.5	0	100	1.9	1.0	49	19.28	.00
454.0	0	100	2.0	1.0	47	19.29	.00
454.5	0	100	2.5	1.0	42	19.30	.00
455.0	0	100	3.0	1.0	39	19.31	.00
455.5	0	100	3.5	1.0	34	19.33	.00
456.0	0	100	4.1	1.0	30	19.35	.00

O W L L

CITIES SERVICE OIL COMPANY
CHESNEY-HEGGERG UNIT MP-106

DEPTH	PERM. INDEX MD	WATER SAT. %	POROSITY %	DENSITY HYDROCARBON GM/CC	CLAY %	CUM. POR. FEET	CUM. HYCARB FEET
456.5	0	100	4.7	1.0	26	19.37	.00
457.0	0	100	5.3	1.0	22	19.40	.00
457.5	0	100	4.5	1.0	26	19.42	.00
458.0	0	100	4.2	1.0	29	19.44	.00
458.5	0	100	4.1	1.0	33	19.47	.00
459.0	0	100	4.0	1.0	36	19.49	.00
459.5	0	100	3.3	1.0	42	19.50	.00
460.0	0	100	2.3	1.0	49	19.51	.00
462.0	0	100	2.8	1.0	47	19.56	.00
462.5	0	100	2.7	1.0	45	19.57	.00
463.0	0	100	2.7	1.0	43	19.58	.00
463.5	0	100	2.9	1.0	41	19.60	.00
464.0	0	100	3.0	1.0	39	19.61	.00
464.5	0	100	3.2	1.0	35	19.63	.00
465.0	0	100	3.5	1.0	31	19.65	.00
465.5	0	100	4.0	1.0	27	19.67	.00
466.0	0	100	4.4	1.0	23	19.69	.00
466.5	0	100	5.3	1.0	17	19.72	.00
467.0	0	100	5.9	1.0	13	19.74	.00
467.5	1	100	7.9	1.0	7	19.78	.00
468.0	1	100	9.2	1.0	3	19.83	.00
468.5	2	100	10.0	1.0	2	19.88	.00
469.0	0	100	1.9	1.0	33	19.89	.00
471.0	0	100	1.6	1.0	44	19.90	.00
471.5	0	100	2.7	1.0	35	19.92	.00
472.0	0	100	3.8	1.0	30	19.94	.00
472.5	0	100	4.3	1.0	27	19.96	.00
473.0	0	100	4.0	1.0	27	19.98	.00
473.5	0	100	3.2	1.0	29	19.99	.00
474.0	0	100	2.7	1.0	25	20.01	.00
474.5	0	100	3.8	1.0	14	20.03	.00
475.0	0	100	5.2	1.0	9	20.05	.00
475.5	0	100	6.5	1.0	7	20.08	.00
476.0	1	100	9.7	1.0	5	20.13	.00
476.5	2	100	10.2	1.0	2	20.18	.00
477.0	0	100	7.1	1.0	26	20.22	.00
480.0	0	100	1.5	1.0	46	20.24	.00
480.5	0	100	2.0	1.0	36	20.25	.00
481.0	0	100	4.9	1.0	24	20.28	.00
481.5	0	100	6.6	1.0	22	20.31	.00
482.0	0	100	6.6	1.0	26	20.34	.00
482.5	0	100	6.4	1.0	39	20.37	.00
483.0	0	100	6.7	1.0	38	20.41	.00
483.5	0	100	6.1	1.0	41	20.44	.00
484.0	0	100	5.3	1.0	46	20.47	.00
484.5	0	100	5.1	1.0	49	20.49	.00

OWLL

CITIES SERVICE OIL COMPANY
CHESNEY-HEGGERG UNIT MP-106

DEPTH	PERM. INDEX MD	WATER SAT. %	POROSITY %	DENSITY HYDROCARBON GM/CC	CLAY %	CUM. POR. FEET	CUM. HYCARB FEET
490.5	0	100	7.4	1.0	45	20.79	.00
491.0	0	100	7.1	1.0	44	20.83	.00
491.5	0	100	6.6	1.0	47	20.86	.00
492.0	0	100	6.0	1.0	49	20.89	.00
498.5	0	100	2.7	1.0	46	20.96	.00
499.0	0	100	3.7	1.0	37	20.98	.00
499.5	0	100	4.0	1.0	32	21.00	.00
500.0	0	100	3.8	1.0	32	21.01	.00
500.5	0	100	3.7	1.0	36	21.03	.00
501.0	0	100	3.7	1.0	38	21.05	.00
501.5	0	100	3.1	1.0	43	21.07	.00
502.0	0	100	2.7	1.0	48	21.08	.00
527.5	0	100	.1	1.0	49	21.14	.00
534.5	0	100	.0	1.0	33	21.14	.00
535.0	0	100	.0	1.0	25	21.14	.00
535.5	0	100	.0	1.0	25	21.14	.00
536.0	0	100	.0	1.0	25	21.14	.00
556.5	0	100	1.5	1.0	46	21.16	.00
557.0	0	100	2.2	1.0	34	21.17	.00
557.5	0	100	2.3	1.0	28	21.18	.00
558.0	0	100	3.0	1.0	23	21.19	.00
558.5	0	100	3.2	1.0	25	21.21	.00
559.0	0	100	3.1	1.0	28	21.23	.00
568.0	0	100	.4	1.0	43	21.24	.00
568.5	0	100	.1	1.0	37	21.24	.00
569.0	0	100	.1	1.0	36	21.24	.00
569.5	0	100	.1	1.0	39	21.24	.00
570.0	0	100	.2	1.0	43	21.24	.00
570.5	0	100	.3	1.0	47	21.25	.00
578.5	0	100	.0	1.0	39	21.25	.00
579.0	0	100	.0	1.0	25	21.25	.00
579.5	0	100	.0	1.0	25	21.25	.00
580.0	0	100	.0	1.0	25	21.25	.00
590.5	0	100	1.3	1.0	49	21.32	.00
591.0	0	100	.7	1.0	49	21.33	.00
600.5	0	100	7.6	1.0	36	21.38	.00
601.0	0	100	7.4	1.0	33	21.41	.00
601.5	0	100	6.9	1.0	31	21.45	.00
602.0	0	100	6.8	1.0	26	21.48	.00
602.5	0	100	4.4	1.0	23	21.50	.00
603.0	0	100	2.0	1.0	18	21.51	.00
603.5	0	100	.1	1.0	12	21.51	.00

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CITIES SERVICE OIL COMPANY
CHESNEY-HEGBERG UNIT MP-106

DEPTH	PERM. INDEX MD	WATER SAT. %	POROSITY %	DENSITY HYDROCARBON GM/CC	CLAY %	CUM. POR. FEET	CUM. HYCARB FEET
604.0	0	100	.3	1.0	15	21.51	.00
604.5	0	100	4.4	1.0	26	21.54	.00
605.0	2	100	10.3	1.0	34	21.59	.00
605.5	4	100	12.0	1.0	47	21.65	.00
613.0	1	100	9.2	1.0	50	22.35	.00
613.5	1	100	9.2	1.0	48	22.39	.00
614.0	1	100	9.0	1.0	47	22.44	.00
614.5	1	100	8.8	1.0	46	22.48	.00
615.0	1	100	8.4	1.0	44	22.52	.00
615.5	1	100	8.5	1.0	39	22.57	.00
616.0	1	100	8.8	1.0	35	22.61	.00
616.5	1	100	9.3	1.0	30	22.66	.00
617.0	1	100	9.2	1.0	27	22.70	.00
617.5	1	100	9.1	1.0	25	22.75	.00
618.0	1	100	8.9	1.0	25	22.79	.00
618.5	1	100	8.9	1.0	26	22.84	.00
619.0	1	100	8.9	1.0	27	22.88	.00
619.5	1	100	8.9	1.0	30	22.93	.00
620.0	1	100	8.7	1.0	31	22.97	.00
620.5	1	100	8.4	1.0	33	23.01	.00
621.0	1	100	8.2	1.0	34	23.05	.00
621.5	1	100	8.9	1.0	30	23.10	.00
622.0	1	100	8.5	1.0	31	23.14	.00
622.5	1	100	8.7	1.0	34	23.18	.00
623.0	1	100	8.7	1.0	39	23.23	.00
623.5	1	100	9.2	1.0	40	23.27	.00
624.0	2	100	10.2	1.0	40	23.32	.00
624.5	2	100	10.8	1.0	40	23.38	.00
625.0	3	100	11.4	1.0	40	23.44	.00
625.5	4	100	12.1	1.0	40	23.50	.00
626.0	3	100	11.8	1.0	43	23.56	.00
626.5	3	100	11.2	1.0	45	23.61	.00
627.0	2	100	10.6	1.0	48	23.66	.00
633.0	2	100	10.7	1.0	39	24.03	.00
633.5	4	100	12.3	1.0	27	24.09	.00
634.0	4	100	12.0	1.0	20	24.15	.00
634.5	3	100	11.2	1.0	14	24.21	.00
635.0	1	100	9.5	1.0	17	24.26	.00
635.5	1	100	8.4	1.0	26	24.30	.00
636.0	1	100	7.8	1.0	34	24.34	.00
636.5	1	100	7.9	1.0	40	24.38	.00
637.0	1	100	7.9	1.0	45	24.42	.00
637.5	1	100	8.0	1.0	46	24.46	.00
638.0	1	100	8.2	1.0	45	24.50	.00
638.5	0	100	7.5	1.0	45	24.53	.00
639.0	0	100	7.6	1.0	38	24.57	.00
639.5	0	100	7.3	1.0	33	24.61	.00
640.0	0	100	6.6	1.0	28	24.64	.00

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CHESNEY-HEGGER UNIT MP-106

DEPTH	PERM. INDEX MD	WATER SAT. %	POROSITY %	DENSITY HYDROCARBON GM/CC	CLAY %	CUM. POR. FEET	CUM. HYCARB FEET
640.5	0	100	5.3	1.0	28	24.67	.00
641.0	0	100	4.8	1.0	29	24.69	.00
641.5	0	100	4.2	1.0	32	24.71	.00
642.0	0	100	4.9	1.0	34	24.74	.00
642.5	0	100	5.6	1.0	38	24.77	.00
643.0	1	100	8.9	1.0	36	24.81	.00
643.5	3	100	11.8	1.0	30	24.87	.00
644.0	8	97	14.2	1.0	25	24.94	.00
644.5	16	81	16.6	1.0	20	25.02	.02
645.0	29	71	19.1	1.0	16	25.12	.05
645.5	45	65	21.1	1.0	13	25.22	.08
646.0	56	63	22.1	1.0	10	25.33	.12
646.5	56	64	22.2	1.0	10	25.45	.16
647.0	71	61	23.4	1.0	9	25.56	.21
647.5	88	60	24.6	1.0	8	25.69	.26
648.0	106	60	25.6	1.0	7	25.81	.31
648.5	141	58	27.3	.8	6	25.95	.37
649.0	151	59	27.8	.8	5	26.09	.42
649.5	152	61	27.8	.8	5	26.23	.48
650.0	153	62	27.9	.8	5	26.37	.53
650.5	154	63	27.9	.8	5	26.51	.53
651.0	154	62	27.9	.8	6	26.65	.64
651.5	149	62	27.7	.8	8	26.79	.69
652.0	143	62	27.4	.8	9	26.92	.74
652.5	137	63	27.2	.9	9	27.06	.79
653.0	135	62	27.1	.9	9	27.19	.84
653.5	136	62	27.1	.9	8	27.33	.89
654.0	136	61	27.1	.8	8	27.46	.95
654.5	136	61	27.1	.8	9	27.60	1.00
655.0	136	60	27.1	.8	9	27.74	1.05
655.5	130	61	26.8	.8	12	27.87	1.11
656.0	123	61	26.5	.9	15	28.00	1.16
656.5	124	61	26.5	1.0	17	28.14	1.21
657.0	124	61	26.6	1.0	19	28.27	1.26
657.5	116	62	26.2	1.0	19	28.40	1.31
658.0	114	62	26.0	.9	17	28.53	1.36
658.5	118	61	26.2	.9	16	28.66	1.41
659.0	120	61	26.3	.9	16	28.79	1.46
659.5	110	62	25.9	.9	16	28.92	1.51
660.0	81	68	24.1	.9	19	29.04	1.55
660.5	64	72	22.8	.9	22	29.16	1.58
661.0	49	78	21.5	.9	25	29.26	1.61
661.5	29	89	19.1	1.0	31	29.36	1.62
662.0	10	100	15.1	1.0	44	29.43	1.62

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CITIES SERVICE OIL COMPANY
CHESNEY-HEGGER UNIT MP-106

DEPTH	GR	POR	RT	RXD	SXD	ROS	SW
600.0	96.9	.0	3.1	3.8	100.0	.0	100.0
600.5	91.8	7.6	3.2	3.9	100.0	.0	100.0
601.0	88.5	7.4	3.6	4.0	100.0	.0	100.0
601.5	85.9	6.9	4.0	4.6	100.0	.0	100.0
602.0	80.1	6.8	4.4	5.0	100.0	.0	100.0
602.5	75.5	4.4	4.4	6.8	100.0	.0	100.0
603.0	70.9	2.0	4.4	8.8	100.0	.0	100.0
603.5	62.3	.1	4.0	10.5	100.0	.0	100.0
604.0	69.2	.3	3.8	7.5	100.0	.0	100.0
604.5	81.9	4.4	3.5	4.7	100.0	.0	100.0
605.0	88.7	10.3	2.9	3.6	100.0	.0	100.0
605.5	95.4	12.0	2.5	3.0	100.0	.0	100.0
606.0	100.2	13.2	2.2	2.7	100.0	.0	100.0
606.5	105.0	10.2	1.9	2.7	100.0	.0	100.0
607.0	107.5	7.7	1.8	2.7	100.0	.0	100.0
607.5	105.3	8.3	1.7	2.7	100.0	.0	100.0
608.0	103.2	9.3	1.7	2.7	100.0	.0	100.0
608.5	101.0	9.9	1.6	2.7	100.0	.0	100.0
609.0	100.3	9.9	1.6	2.6	100.0	.0	100.0
609.5	99.8	9.7	1.6	2.6	100.0	.0	100.0
610.0	99.4	9.4	1.6	2.6	100.0	.0	100.0
610.5	98.9	9.1	1.6	2.6	100.0	.0	100.0
611.0	98.4	9.0	1.6	2.6	100.0	.0	100.0
611.5	98.9	8.7	1.6	2.6	100.0	.0	100.0
612.0	100.9	7.8	1.7	2.6	100.0	.0	100.0
612.5	97.8	8.5	1.7	2.7	100.0	.0	100.0
613.0	94.3	9.2	1.8	2.7	100.0	.0	100.0
613.5	92.6	9.2	1.8	2.7	100.0	.0	100.0
614.0	91.7	9.0	1.9	2.7	100.0	.0	100.0
614.5	90.7	8.8	2.0	2.9	100.0	.0	100.0
615.0	90.2	8.4	2.1	3.0	100.0	.0	100.0
615.5	86.8	8.5	2.2	3.2	100.0	.0	100.0
616.0	83.8	8.8	2.3	3.4	100.0	.0	100.0
616.5	79.1	9.3	2.5	3.5	100.0	.0	100.0
617.0	77.3	9.2	2.6	3.7	100.0	.0	100.0
617.5	75.4	9.1	2.7	3.8	100.0	.0	100.0
618.0	75.8	8.9	2.7	3.5	100.0	.0	100.0
618.5	76.5	8.9	2.8	3.2	100.0	.0	100.0
619.0	77.3	8.9	2.9	3.3	100.0	.0	100.0
619.5	79.4	8.9	2.9	3.4	100.0	.0	100.0
620.0	80.9	8.7	3.0	3.4	100.0	.0	100.0
620.5	82.4	8.4	3.2	3.5	100.0	.0	100.0
621.0	83.8	8.2	3.3	3.6	100.0	.0	100.0
621.5	80.1	8.9	3.5	4.1	100.0	.0	100.0
622.0	83.2	8.5	3.7	4.6	100.0	.0	100.0
622.5	87.2	8.7	3.8	4.9	100.0	.0	100.0
623.0	91.2	8.7	4.1	4.6	100.0	.0	100.0
623.5	92.3	9.2	4.1	4.4	100.0	.0	100.0
624.0	92.8	10.2	4.1	4.0	100.0	.0	100.0
624.5	92.1	10.8	4.0	3.8	100.0	.0	100.0

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CITIES SERVICE OIL COMPANY
CHESNEY-HEGGERG UNIT MP-106

DEPTH	GR	POR	RT	RXD	SXD	RDS	SW
625.0	91.3	11.4	3.9	3.7	100.0	.0	100.0
625.5	90.5	12.1	3.7	3.5	100.0	.0	100.0
626.0	91.6	11.8	3.6	3.4	100.0	.0	100.0
626.5	93.2	11.2	3.5	3.4	100.0	.0	100.0
627.0	94.9	10.6	3.3	3.3	100.0	.0	100.0
627.5	97.4	9.6	3.1	3.3	100.0	.0	100.0
628.0	98.2	9.3	3.0	3.2	100.0	.0	100.0
628.5	99.1	8.9	2.8	3.2	100.0	.0	100.0
629.0	103.5	7.2	2.7	3.1	100.0	.0	100.0
629.5	107.6	5.6	2.5	3.0	100.0	.0	100.0
630.0	111.7	3.9	2.4	2.9	100.0	.0	100.0
630.5	116.3	1.6	2.3	2.9	100.0	.0	100.0
631.0	121.0	.0	2.2	2.8	100.0	.0	100.0
631.5	114.8	2.4	2.2	2.7	100.0	.0	100.0
632.0	107.5	5.4	2.3	2.8	100.0	.0	100.0
632.5	97.4	8.9	2.4	2.9	100.0	.0	100.0
633.0	91.2	10.7	2.5	3.1	100.0	.0	100.0
633.5	81.9	12.3	2.7	3.7	100.0	.0	100.0
634.0	75.2	12.0	2.8	4.2	100.0	.0	100.0
634.5	67.3	11.2	3.0	4.7	100.0	.0	100.0
635.0	72.9	9.5	3.2	5.2	100.0	.0	100.0
635.5	79.2	8.4	3.4	5.8	100.0	.0	100.0
636.0	85.2	7.8	3.5	5.0	100.0	.0	100.0
636.5	87.7	7.9	3.5	3.9	100.0	.0	100.0
637.0	90.2	7.9	3.5	3.5	100.0	.0	100.0
637.5	91.8	8.0	3.3	3.3	100.0	.0	100.0
638.0	91.3	8.2	3.2	3.2	100.0	.0	100.0
638.5	90.9	7.5	3.2	3.4	100.0	.0	100.0
639.0	86.1	7.6	3.2	3.5	100.0	.0	100.0
639.5	81.7	7.3	3.1	3.7	100.0	.0	100.0
640.0	77.5	6.6	3.3	3.8	100.0	.0	100.0
640.5	77.0	5.3	3.5	4.1	100.0	.0	100.0
641.0	78.8	4.8	3.6	4.4	100.0	.0	100.0
641.5	80.9	4.2	3.8	4.7	100.0	.0	100.0
642.0	83.0	4.9	4.1	4.9	100.0	.0	100.0
642.5	85.7	5.6	4.2	4.3	100.0	.0	100.0
643.0	82.5	8.9	4.4	3.8	100.0	.0	100.0
643.5	78.2	11.8	4.6	3.6	100.0	.0	100.0
644.0	73.8	14.2	4.6	3.7	96.7	3.3	96.7
644.5	69.3	16.6	4.7	3.9	81.1	18.9	81.1
645.0	67.2	19.1	4.6	3.9	71.1	28.9	71.1
645.5	65.2	21.1	4.4	3.8	77.3	22.7	64.7
646.0	63.1	22.1	4.3	3.7	74.5	25.5	62.7
646.5	61.1	22.2	4.1	3.6	75.3	24.7	63.7
647.0	60.8	23.4	4.0	3.4	73.1	26.9	61.4
647.5	61.1	24.6	3.7	3.4	70.3	29.7	60.3
648.0	61.4	25.6	3.4	3.3	68.2	31.8	59.6
648.5	61.6	27.3	3.2	3.2	64.6	35.4	57.8
649.0	61.6	27.8	2.9	3.1	64.5	35.5	59.2
649.5	61.5	27.8	2.7	3.0	65.5	34.5	61.3

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CITIES SERVICE OIL COMPANY
CHESNEY-HEGBERG UNIT MP-106

DEPTH	GR	POR	RT	RXD	SXD	ROS	SW
650.0	61.3	27.9	2.7	2.9	66.5	33.5	62.0
650.5	61.2	27.9	2.6	2.9	65.8	34.2	62.7
651.0	64.0	27.9	2.6	3.0	65.2	34.8	62.2
651.5	66.9	27.7	2.7	3.0	65.1	34.9	62.3
652.0	68.5	27.4	2.7	3.1	65.1	34.9	62.5
652.5	68.0	27.2	2.7	3.1	65.3	34.7	62.7
653.0	67.6	27.1	2.8	3.2	64.9	35.1	62.3
653.5	67.2	27.1	2.8	3.2	64.9	35.1	61.7
654.0	68.7	27.1	2.9	3.1	65.2	34.8	61.2
654.5	72.4	27.1	2.9	3.1	65.6	34.4	60.8
655.0	74.7	27.1	3.0	3.2	65.2	34.8	60.3
655.5	77.1	26.8	3.0	3.2	65.4	34.6	60.5
656.0	78.6	26.5	3.0	3.3	65.7	34.3	61.1
656.5	79.3	26.5	3.1	3.3	65.1	34.9	60.9
657.0	80.1	26.6	3.1	3.4	64.0	36.0	60.7
657.5	80.8	26.2	3.1	3.5	64.5	35.5	61.6
658.0	80.9	26.0	3.1	3.4	65.2	34.8	61.8
658.5	80.4	26.2	3.1	3.4	65.2	34.8	61.3
659.0	79.9	26.3	3.1	3.3	65.3	34.7	60.9
659.5	81.0	25.9	3.1	3.3	67.2	32.8	62.5
660.0	84.7	24.1	3.0	3.3	72.7	27.3	67.8
660.5	87.5	22.8	3.0	3.2	77.2	22.8	72.2
661.0	90.2	21.5	3.0	3.2	77.6	22.4	77.6
661.5	92.9	19.1	2.9	3.2	88.5	11.5	88.5
662.0	98.3	15.1	2.9	3.3	100.0	.0	100.0
662.5	101.5	11.8	2.9	3.3	100.0	.0	100.0
663.0	110.6	5.8	2.9	3.4	100.0	.0	100.0
663.5	113.3	3.8	2.8	3.3	100.0	.0	100.0
664.0	111.0	4.2	2.8	3.2	100.0	.0	100.0
664.5	109.0	5.1	2.8	3.2	100.0	.0	100.0
665.0	107.0	6.0	2.8	3.2	100.0	.0	100.0
665.5	106.5	6.3	2.8	3.2	100.0	.0	100.0
666.0	104.0	7.2	2.8	3.2	100.0	.0	100.0
666.5	104.4	7.1	2.8	3.2	100.0	.0	100.0
667.0	105.3	6.7	2.8	3.2	100.0	.0	100.0
667.5	106.2	6.3	2.9	3.2	100.0	.0	100.0
668.0	107.1	6.0	2.9	3.1	100.0	.0	100.0
668.5	108.9	5.2	2.9	3.1	100.0	.0	100.0
669.0	110.1	4.7	2.9	3.1	100.0	.0	100.0
669.5	111.4	4.1	2.9	3.1	100.0	.0	100.0
670.0	113.3	3.2	2.8	3.1	100.0	.0	100.0
670.5	114.1	2.7	2.8	3.1	100.0	.0	100.0
671.0	114.1	2.5	2.8	3.1	100.0	.0	100.0
671.5	113.3	2.7	2.7	3.1	100.0	.0	100.0
672.0	114.6	2.0	2.7	3.1	100.0	.0	100.0
672.5	116.2	1.4	2.7	3.1	100.0	.0	100.0
673.0	117.7	.8	2.7	3.1	100.0	.0	100.0
673.5	119.3	.2	2.7	3.1	100.0	.0	100.0
674.0	120.9	.0	2.7	3.1	100.0	.0	100.0
674.5	120.1	.0	2.6	3.1	100.0	.0	100.0

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CITIES SERVICE OIL COMPANY
CHESNEY-HEGGER UNIT MP-106

DEPTH	GR	POR	RT	RXD	SXD	ROS	SW
675.0	118.9	.3	2.6	3.1	100.0	.0	100.0
675.5	117.6	.6	2.6	3.1	100.0	.0	100.0
676.0	117.8	.5	2.6	3.1	100.0	.0	100.0
676.5	119.0	.2	2.6	3.1	100.0	.0	100.0
677.0	120.3	.0	2.6	3.0	100.0	.0	100.0
677.5	121.5	.0	2.6	3.0	100.0	.0	100.0
678.0	121.3	.0	2.6	2.9	100.0	.0	100.0
678.5	120.1	.0	2.6	2.9	100.0	.0	100.0
679.0	118.2	.2	2.6	2.8	100.0	.0	100.0
679.5	116.8	.5	2.6	2.8	100.0	.0	100.0
680.0	115.5	1.0	2.6	2.8	100.0	.0	100.0

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