

21-25^S-SE

COMPANY CITIES SERVICE OIL COMPANY
WELL CHESNEY-HEGGERG NO. 113

FOR THE INTERVAL 80. TO 664.

SDEP=	80.00	EDEP=	664.00	GMIN=	29.00	GMAX=	100.00
DSH =	2.65	NSH =	30.00	A =	0.62	M =	2.15
RW =	0.10	RSH =	5.00	SIRR=	40.00	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=	40.00	SHDF=	0.
SSP =	24.00	PRNT=	1.00	PMAX=	30.00	SRHM=	0.50
N =	2.00	RMF =	0.04	GRAD=	1.00	SWOP=	3.00
CALM=	15.00	BITS=	7.87				

OWLL

CITIES SERVICE OIL COMPANY
CHESNEY HEGBERG UNIT MP NO. 113

DEPTH	PERM. INDEX MD	WATER SAT. %	POROSITY %	DENSITY HYDROCARBON GM/CC	CLAY %	CUM. POR. FEET	CUM. HYCARR FEET
80.0	0	100	.1	1.0	6	0.00	0.00
88.0	0	100	.1	1.0	49	.21	.07
89.0	0	100	.1	1.0	50	.21	.07
90.0	0	100	.1	1.0	49	.21	.07
91.0	0	100	.1	1.0	47	.21	.07
92.0	0	100	.1	1.0	45	.21	.07
93.0	0	100	.1	1.0	44	.21	.07
94.0	0	100	.1	1.0	41	.21	.07
95.0	0	100	.1	1.0	40	.21	.07
96.0	0	100	.1	1.0	50	.21	.07
104.0	0	100	3.4	1.0	39	.24	.07
105.0	1	100	8.7	1.0	35	.32	.07
106.0	1	100	9.0	1.0	39	.41	.07
107.0	0	100	6.9	1.0	41	.49	.07
108.0	0	100	2.9	1.0	38	.53	.07
109.0	0	100	.1	1.0	29	.53	.07
110.0	0	100	3.0	1.0	22	.55	.07
111.0	0	100	4.3	1.0	24	.59	.07
112.0	0	100	5.9	1.0	27	.65	.07
113.0	1	100	7.9	1.0	19	.72	.07
114.0	1	100	8.7	1.0	15	.80	.07
115.0	1	100	7.5	1.0	17	.89	.07
116.0	0	100	3.8	1.0	23	.93	.07
117.0	0	100	1.9	1.0	33	.96	.07
118.0	0	100	.1	1.0	42	.96	.07
119.0	0	100	.1	1.0	40	.96	.07
120.0	0	100	.1	1.0	31	.96	.07
121.0	0	100	.7	1.0	32	.97	.07
122.0	0	100	1.3	1.0	26	.98	.07
123.0	0	100	3.1	1.0	24	1.01	.07
124.0	0	100	3.7	1.0	27	1.05	.07
125.0	0	100	3.9	1.0	33	1.09	.07
126.0	1	100	9.2	1.0	27	1.16	.07
127.0	4	100	11.4	1.0	16	1.28	.07
128.0	2	100	10.2	1.0	16	1.38	.07
129.0	3	100	10.5	1.0	16	1.48	.07
130.0	4	100	11.6	1.0	16	1.60	.07
131.0	4	100	11.8	1.0	19	1.72	.07
132.0	6	100	12.8	1.0	19	1.84	.07
133.0	7	100	12.9	1.0	19	1.97	.07
134.0	5	100	12.4	1.0	19	2.10	.07
135.0	7	100	13.1	1.0	17	2.22	.07
136.0	11	100	14.6	1.0	15	2.37	.07
137.0	9	100	13.8	1.0	12	2.51	.07
138.0	1	100	9.0	1.0	15	2.61	.07
139.0	0	100	5.4	1.0	18	2.67	.07
140.0	0	100	3.5	1.0	25	2.71	.07
141.0	0	100	1.7	1.0	28	2.74	.07

77

CITIES SERVICE OIL COMPANY
CHESNEY HEGBERG UNIT NP NO. 113

DEPTH	PERM. INDEX MD	WATER SAT. %	POROSITY %	DENSITY HYDROCARBON GM/CC	CLAY %	CUM. POR. FEET	CUM. HYCARB FEET
142.0	0	100	.4	1.0	25	2.74	.07
143.0	0	100	1.0	1.0	19	2.75	.07
144.0	0	100	1.5	1.0	23	2.76	.07
145.0	0	100	.1	1.0	39	2.77	.07
146.0	0	100	.1	1.0	43	2.77	.07
147.0	0	100	.1	1.0	41	2.77	.07
148.0	0	100	4.6	1.0	41	2.80	.07
149.0	1	100	8.3	1.0	46	2.88	.07
154.0	0	100	6.2	1.0	50	3.21	.07
155.0	0	100	6.4	1.0	44	3.28	.07
156.0	1	100	7.6	1.0	42	3.35	.07
157.0	1	100	9.0	1.0	39	3.44	.07
158.0	3	100	10.5	1.0	33	3.54	.07
159.0	4	100	11.8	1.0	21	3.65	.07
160.0	1	100	8.7	1.0	25	3.75	.07
161.0	0	100	.1	1.0	27	3.78	.07
162.0	0	100	.1	1.0	19	3.79	.07
163.0	0	100	.1	1.0	18	3.79	.07
164.0	0	100	.1	1.0	20	3.79	.07
165.0	0	100	.1	1.0	25	3.79	.07
166.0	0	100	.1	1.0	26	3.79	.07
167.0	0	100	.2	1.0	27	3.79	.07
168.0	0	100	.6	1.0	39	3.80	.07
169.0	0	100	1.5	1.0	50	3.81	.07
170.0	0	100	3.3	1.0	43	3.84	.07
171.0	0	100	4.4	1.0	39	3.88	.07
172.0	0	100	.9	1.0	43	3.91	.07
173.0	0	100	.1	1.0	40	3.91	.07
174.0	0	100	.1	1.0	28	3.91	.07
175.0	0	100	.3	1.0	24	3.91	.07
176.0	0	100	.1	1.0	23	3.91	.07
177.0	0	100	.1	1.0	28	3.92	.07
178.0	0	100	.1	1.0	23	3.92	.07
179.0	0	100	2.1	1.0	18	3.93	.07
180.0	0	100	3.2	1.0	18	3.95	.07
181.0	0	100	5.4	1.0	22	4.01	.07
182.0	0	100	4.3	1.0	40	4.05	.07
183.0	0	100	4.1	1.0	48	4.10	.07
192.0	0	100	3.7	1.0	45	4.52	.07
193.0	0	100	4.4	1.0	36	4.55	.07
194.0	0	100	4.9	1.0	24	4.61	.07
195.0	0	100	1.1	1.0	21	4.63	.07
196.0	0	100	.1	1.0	22	4.63	.07
197.0	0	100	.1	1.0	26	4.63	.07
198.0	0	100	.1	1.0	33	4.63	.07
199.0	0	100	.1	1.0	32	4.63	.07
200.0	0	100	.1	1.0	31	4.63	.07
201.0	0	100	.1	1.0	28	4.63	.07

77M

CITIES SERVICE OIL COMPANY
CHESNEY HEGBERG UNIT MP NO. 113

DEPTH	PERM. INDEX MD	WATER SAT. %	POROSITY %	DENSITY HYDROCARBON GM/CC	CLAY %	CUM. POR. FEET	CUM. HYCARB FEET
202.0	0	100	.8	1.0	26	4.64	.07
203.0	0	100	.1	1.0	43	4.64	.07
205.0	0	100	.1	1.0	48	4.64	.07
206.0	0	100	4.2	1.0	38	4.58	.07
208.0	0	100	3.3	1.0	50	4.74	.07
209.0	0	100	2.0	1.0	50	4.75	.07
210.0	0	100	1.0	1.0	44	4.78	.07
211.0	0	100	.1	1.0	42	4.78	.07
212.0	0	100	.1	1.0	35	4.78	.07
213.0	0	100	.1	1.0	26	4.78	.07
214.0	0	100	.1	1.0	29	4.78	.07
215.0	0	100	.1	1.0	32	4.78	.07
216.0	0	100	3.2	1.0	48	4.82	.07
232.0	0	100	.1	1.0	41	5.20	.07
233.0	0	100	.7	1.0	22	5.21	.07
234.0	0	100	.4	1.0	27	5.21	.07
235.0	0	100	.9	1.0	37	5.22	.07
236.0	0	100	2.2	1.0	41	5.24	.07
238.0	0	100	2.9	1.0	49	5.28	.07
239.0	0	100	5.4	1.0	44	5.33	.07
243.0	0	100	1.8	1.0	44	5.46	.07
244.0	0	100	.1	1.0	48	5.46	.07
245.0	0	100	.1	1.0	34	5.46	.07
246.0	0	100	.1	1.0	31	5.46	.07
247.0	0	100	4.1	1.0	38	5.50	.07
252.0	0	100	.1	1.0	47	5.55	.07
253.0	0	100	.1	1.0	39	5.55	.07
254.0	0	100	.1	1.0	32	5.56	.07
255.0	0	100	.1	1.0	25	5.56	.07
256.0	0	100	.1	1.0	31	5.55	.07
257.0	0	100	1.9	1.0	37	5.58	.07
258.0	0	100	2.9	1.0	42	5.60	.07
259.0	0	100	2.1	1.0	47	5.53	.07
260.0	0	100	.1	1.0	40	5.53	.07
261.0	0	100	.1	1.0	35	5.53	.07
262.0	0	100	.4	1.0	18	5.53	.07
263.0	0	100	.1	1.0	19	5.53	.07
264.0	0	100	2.6	1.0	25	5.55	.07
265.0	0	100	3.3	1.0	32	5.68	.07
266.0	0	100	3.4	1.0	38	5.72	.07
272.0	0	100	.1	1.0	48	5.73	.07
273.0	0	100	.1	1.0	47	5.73	.07
274.0	0	100	.1	1.0	43	5.73	.07

JWLL

CITIES SERVICE OIL COMPANY
CHESNEY HEGBERG UNIT MP NO. 113

DEPTH	PERM. INDEX MD	WATER SAT. %	POROSITY %	DENSITY HYDROCARBON GM/CC	CLAY %	CUM. POR. FEET	CUM. HYCARB FEET
275.0	0	100	.1	1.0	42	5.74	.07
276.0	0	100	.1	1.0	33	5.74	.07
277.0	0	100	.1	1.0	30	5.74	.07
278.0	0	100	.3	1.0	24	5.74	.07
279.0	0	100	5.6	1.0	16	5.78	.07
280.0	1	100	8.7	1.0	18	5.85	.07
281.0	2	100	9.5	1.0	22	5.95	.07
282.0	0	100	6.4	1.0	25	6.02	.07
283.0	0	100	3.7	1.0	20	6.05	.07
284.0	0	100	2.0	1.0	22	6.09	.07
285.0	0	100	1.8	1.0	25	6.10	.07
286.0	0	100	.9	1.0	32	6.12	.07
287.0	0	100	.1	1.0	49	6.12	.07
288.0	0	100	.1	1.0	43	6.12	.07
289.0	0	100	.1	1.0	39	6.12	.07
290.0	0	100	.1	1.0	40	6.12	.07
291.0	0	100	.1	1.0	44	6.12	.07
292.0	0	100	.1	1.0	48	6.12	.07
297.0	0	100	3.2	1.0	37	6.15	.07
298.0	2	100	9.8	1.0	35	6.24	.07
299.0	1	100	8.3	1.0	44	6.32	.07
300.0	0	100	.1	1.0	43	6.33	.07
301.0	0	100	.1	1.0	29	6.33	.07
302.0	0	100	.1	1.0	19	6.33	.07
303.0	0	100	.3	1.0	21	6.33	.07
304.0	0	100	1.5	1.0	22	6.35	.07
305.0	0	100	1.8	1.0	28	6.37	.07
306.0	0	100	2.0	1.0	39	6.38	.07
309.0	2	100	9.8	1.0	32	6.52	.07
310.0	4	100	11.3	1.0	27	6.63	.07
311.0	0	100	4.7	1.0	32	6.70	.07
312.0	0	100	1.6	1.0	35	6.72	.07
313.0	0	100	5.7	1.0	29	6.76	.07
314.0	1	100	7.8	1.0	24	6.83	.07
315.0	1	100	7.5	1.0	23	6.91	.07
316.0	0	100	5.5	1.0	19	6.97	.07
317.0	0	100	1.1	1.0	23	6.99	.07
318.0	0	100	1.0	1.0	29	7.00	.07
319.0	0	100	2.1	1.0	24	7.02	.07
320.0	0	100	1.8	1.0	20	7.04	.07
321.0	0	100	1.0	1.0	25	7.05	.07
322.0	0	100	1.5	1.0	30	7.06	.07
323.0	0	100	2.4	1.0	34	7.08	.07
324.0	0	100	2.8	1.0	42	7.11	.07
331.0	0	100	6.4	1.0	33	7.36	.07
332.0	0	100	6.3	1.0	30	7.42	.07
333.0	1	100	7.8	1.0	23	7.50	.07

77M

CITIES SERVICE OIL COMPANY
CHESNEY HEGBERG UNIT MP NO. 113

DEPTH	PERM. INDEX MD	WATER SAT. %	POROSITY %	DENSITY HYDROCARBON GM/CC	CLAY %	CUM. POR. FEET	CUM. HYCARB FEET
334.0	1	100	8.9	1.0	20	7.59	.07
335.0	1	100	9.0	1.0	24	7.58	.07
336.0	0	100	6.1	1.0	23	7.75	.07
337.0	0	100	.1	1.0	24	7.77	.07
338.0	0	100	.1	1.0	28	7.77	.07
339.0	0	100	.1	1.0	27	7.77	.07
340.0	0	100	.1	1.0	32	7.77	.07
341.0	0	100	.1	1.0	33	7.77	.07
342.0	0	100	.9	1.0	44	7.78	.07
352.0	0	100	.2	1.0	44	8.06	.07
353.0	0	100	.1	1.0	34	8.06	.07
354.0	0	100	.1	1.0	28	8.06	.07
355.0	0	100	.1	1.0	30	8.06	.07
356.0	0	100	1.5	1.0	23	8.07	.07
357.0	0	100	.6	1.0	31	8.07	.07
358.0	0	100	.3	1.0	37	8.08	.07
359.0	0	100	.8	1.0	40	8.08	.07
360.0	0	100	2.4	1.0	42	8.10	.07
361.0	0	100	3.4	1.0	49	8.13	.07
368.0	0	100	4.6	1.0	34	8.38	.07
369.0	0	100	5.6	1.0	31	8.44	.07
370.0	0	100	3.9	1.0	42	8.48	.07
372.0	0	100	2.6	1.0	37	8.52	.07
373.0	0	100	5.9	1.0	26	8.58	.07
374.0	0	100	6.4	1.0	33	8.64	.07
375.0	1	100	7.5	1.0	31	8.71	.07
376.0	0	100	2.4	1.0	27	8.75	.07
377.0	0	100	.1	1.0	35	8.75	.07
378.0	0	100	.9	1.0	48	8.75	.07
382.0	0	100	3.5	1.0	42	8.81	.07
383.0	0	100	6.9	1.0	28	8.87	.07
384.0	2	100	9.6	1.0	24	8.97	.07
385.0	2	100	10.3	1.0	22	9.07	.07
386.0	1	100	8.5	1.0	22	9.16	.07
387.0	1	100	7.4	1.0	23	9.24	.07
388.0	1	100	7.4	1.0	24	9.31	.07
389.0	0	100	6.6	1.0	29	9.38	.07
390.0	2	100	10.1	1.0	34	9.46	.07
391.0	2	100	9.7	1.0	45	9.56	.07
392.0	0	100	3.1	1.0	44	9.61	.07
393.0	0	100	.1	1.0	34	9.61	.07
394.0	0	100	.1	1.0	38	9.62	.07
395.0	0	100	.1	1.0	41	9.62	.07
396.0	0	100	.1	1.0	39	9.62	.07
397.0	0	100	.1	1.0	36	9.62	.07
398.0	0	100	.1	1.0	34	9.62	.07

STOCK FORM NO. 61411-20

OWLL

CITIES SERVICE OIL COMPANY
CHESNEY HEGBERG UNIT NP NO. 113

DEPTH	PERM. INDEX MD	WATER SAT. %	POROSITY %	DENSITY HYDROCARBON GM/CC	CLAY %	CUM. POR. FEET	CUM. HYCARB FEET
399.0	0	100	.1	1.0	35	9.62	.07
400.0	0	100	.7	1.0	36	9.63	.07
401.0	0	100	5.3	1.0	32	9.67	.07
402.0	0	100	.1	1.0	45	9.69	.07
403.0	0	100	.1	1.0	40	9.69	.07
404.0	0	100	.1	1.0	26	9.69	.07
405.0	0	100	.1	1.0	24	9.69	.07
406.0	0	100	.1	1.0	23	9.69	.07
407.0	0	100	.1	1.0	27	9.69	.07
408.0	0	100	.1	1.0	34	9.69	.07
409.0	0	100	.1	1.0	40	9.70	.07
410.0	0	100	.1	1.0	35	9.70	.07
411.0	0	100	.1	1.0	33	9.70	.07
412.0	0	100	.1	1.0	32	9.70	.07
413.0	0	100	5.8	1.0	23	9.73	.07
414.0	47	100	20.2	1.0	14	9.87	.07
415.0	44	100	19.9	1.0	22	10.07	.07
416.0	17	100	16.0	1.0	19	10.24	.07
417.0	5	100	12.1	1.0	21	10.37	.07
418.0	1	100	8.3	1.0	23	10.46	.07
419.0	0	100	.5	1.0	25	10.47	.07
420.0	0	100	.1	1.0	30	10.47	.07
421.0	0	100	.1	1.0	33	10.47	.07
422.0	0	100	.1	1.0	34	10.47	.07
423.0	0	100	.1	1.0	31	10.47	.07
424.0	0	100	.9	1.0	31	10.48	.07
425.0	0	100	.1	1.0	35	10.48	.07
426.0	0	100	.1	1.0	35	10.48	.07
427.0	0	100	.1	1.0	33	10.48	.07
428.0	0	100	.1	1.0	32	10.49	.07
429.0	0	100	.1	1.0	31	10.49	.07
430.0	0	100	.1	1.0	26	10.49	.07
431.0	0	100	.1	1.0	26	10.49	.07
432.0	0	100	.1	1.0	26	10.49	.07
433.0	0	100	.1	1.0	25	10.49	.07
434.0	0	100	.1	1.0	36	10.49	.07
435.0	0	100	.1	1.0	46	10.49	.07
436.0	0	100	.1	1.0	49	10.49	.07
438.0	0	100	.1	1.0	44	10.50	.07
439.0	0	100	.9	1.0	34	10.50	.07
440.0	0	100	.2	1.0	34	10.51	.07
441.0	0	100	.1	1.0	36	10.51	.07
442.0	0	100	.3	1.0	39	10.51	.07
443.0	0	100	.1	1.0	47	10.51	.07
444.0	0	100	.1	1.0	46	10.51	.07
445.0	0	100	.1	1.0	38	10.51	.07
446.0	0	100	.1	1.0	36	10.51	.07
447.0	0	100	.1	1.0	34	10.51	.07
448.0	0	100	.1	1.0	30	10.52	.07

77M

CITIES SERVICE OIL COMPANY
CHESNEY HEGBERG UNIT MP NO. 113

DEPTH	PERM. INDEX MD	WATER SAT. %	POROSITY %	DENSITY HYDROCARBON GM/CC	CLAY %	CUM. POR. FEET	CUM. HYCARB FEET
449.0	0	100	.1	1.0	25	10.52	.07
450.0	0	100	.1	1.0	29	10.52	.07
451.0	0	100	3.7	1.0	38	10.54	.07
454.0	0	100	.1	1.0	43	10.55	.07
455.0	0	100	.1	1.0	37	10.55	.07
456.0	0	100	.1	1.0	31	10.56	.07
457.0	0	100	.1	1.0	21	10.56	.07
458.0	0	100	.3	1.0	38	10.56	.07
462.0	0	100	.1	1.0	44	10.61	.07
463.0	0	100	1.0	1.0	33	10.62	.07
464.0	0	100	2.5	1.0	32	10.64	.07
465.0	0	100	2.9	1.0	32	10.67	.07
466.0	0	100	2.2	1.0	38	10.69	.07
467.0	0	100	2.5	1.0	46	10.71	.07
470.0	0	100	1.3	1.0	48	10.76	.07
471.0	0	100	.5	1.0	46	10.76	.07
472.0	0	100	1.9	1.0	40	10.78	.07
473.0	0	100	2.1	1.0	46	10.80	.07
474.0	0	100	2.2	1.0	49	10.82	.07
480.0	0	100	.1	1.0	45	10.91	.07
481.0	0	100	.1	1.0	40	10.92	.07
482.0	0	100	.1	1.0	41	10.92	.07
539.0	0	100	.1	1.0	34	11.49	.07
540.0	0	100	.1	1.0	38	11.49	.07
549.0	0	100	.1	1.0	44	11.51	.07
550.0	0	100	.1	1.0	32	11.51	.07
551.0	0	100	.1	1.0	36	11.51	.07
552.0	0	100	.1	1.0	42	11.52	.07
553.0	0	100	.1	1.0	43	11.52	.07
554.0	0	100	1.4	1.0	41	11.52	.07
564.0	0	100	.1	1.0	46	11.70	.07
571.0	0	100	.1	1.0	48	11.73	.07
572.0	0	100	.1	1.0	42	11.73	.07
573.0	0	100	.1	1.0	47	11.73	.07
574.0	0	100	.6	1.0	48	11.74	.07
598.0	0	100	.1	1.0	46	11.81	.07
603.0	0	100	.1	1.0	48	11.82	.07
617.0	0	100	3.7	1.0	22	11.85	.07
618.0	0	100	6.0	1.0	25	11.91	.07

OWT

CITIES SERVICE OIL COMPANY
CHESNEY HEGBERG UNIT NP NO. 113

DEPTH	PERM. INDEX MD	WATER SAT. %	POROSITY %	DENSITY HYDROCARBON GM/CC	CLAY %	CUM. POR. FEET	CUM. HYCARB FEET
619.0	0	100	5.3	1.0	44	11.97	.07
621.0	0	100	3.9	1.0	44	12.05	.07
622.0	0	100	3.0	1.0	39	12.08	.07
623.0	0	100	4.3	1.0	33	12.11	.07
624.0	8	98	13.3	1.0	30	12.21	.07
625.0	20	77	16.6	1.0	37	12.37	.10
626.0	54	61	20.8	1.0	25	12.57	.17
627.0	46	65	20.1	1.0	15	12.77	.25
628.0	115	53	24.7	.9	9	13.00	.34
629.0	150	54	26.3	.9	9	13.26	.47
630.0	162	58	26.8	.9	8	13.53	.58
631.0	167	61	26.9	1.0	10	13.80	.69
632.0	158	65	26.6	1.0	13	14.06	.79
633.0	134	66	25.6	1.0	20	14.32	.87
634.0	101	64	24.0	1.0	26	14.56	.96
635.0	97	58	23.8	1.0	33	14.80	1.06
636.0	121	52	25.0	1.0	32	15.05	1.17
637.0	118	49	24.9	1.0	27	15.30	1.29
638.0	83	53	23.0	1.0	29	15.54	1.41
639.0	57	59	21.1	1.0	31	15.75	1.50
640.0	68	58	22.0	1.0	34	15.96	1.59
641.0	90	56	23.4	1.0	31	16.19	1.69
642.0	213	46	28.5	1.0	29	16.47	1.83
643.0	212	47	28.4	1.0	19	16.75	1.98
644.0	133	55	25.6	1.0	25	17.02	2.11
645.0	59	69	21.3	1.0	38	17.24	2.19

JWLL

CITIES SERVICE OIL COMPANY
CHESNEY HEGBERG UNIT HP NO. 113

DEPTH	GR	POR	RT	RXD	SXD	RDS	SW
600.0	62.0	.1	3.6	1.3	100.0	0.0	100.0
600.5	62.2	.1	3.7	.8	100.0	0.0	100.0
601.0	61.7	.1	3.8	.8	100.0	0.0	100.0
601.5	61.1	.1	3.9	.7	100.0	0.0	100.0
602.0	60.4	.1	4.1	.6	100.0	0.0	100.0
602.5	57.3	.1	4.3	.6	100.0	0.0	100.0
603.0	54.0	.1	4.4	.6	100.0	0.0	100.0
603.5	52.9	.1	4.5	.6	100.0	0.0	100.0
604.0	59.0	1.7	4.5	.7	100.0	0.0	100.0
604.5	65.3	1.4	4.4	1.1	100.0	0.0	100.0
605.0	84.8	0.0	4.3	2.5	100.0	0.0	100.0
605.5	91.2	0.0	4.2	1.5	100.0	0.0	100.0
606.0	92.7	0.0	4.1	1.6	100.0	0.0	100.0
606.5	94.5	0.0	3.9	1.0	100.0	0.0	100.0
607.0	96.0	0.0	3.8	.9	100.0	0.0	100.0
607.5	95.3	0.0	3.8	.8	100.0	0.0	100.0
608.0	94.5	0.0	4.0	.7	100.0	0.0	100.0
608.5	96.6	0.0	4.0	.7	100.0	0.0	100.0
609.0	98.9	0.0	4.0	.7	100.0	0.0	100.0
609.5	97.8	0.0	4.0	.7	100.0	0.0	100.0
610.0	97.2	0.0	4.0	.7	100.0	0.0	100.0
610.5	98.4	0.0	4.0	.7	100.0	0.0	100.0
611.0	99.9	0.0	4.0	.8	100.0	0.0	100.0
611.5	100.3	0.0	3.8	.8	100.0	0.0	100.0
612.0	101.1	0.0	3.7	.9	100.0	0.0	100.0
612.5	107.0	0.0	3.6	1.0	100.0	0.0	100.0
613.0	109.3	0.0	3.4	1.0	100.0	0.0	100.0
613.5	114.3	0.0	3.3	1.0	100.0	0.0	100.0
614.0	127.7	0.0	3.4	1.0	100.0	0.0	100.0
614.5	135.6	0.0	3.5	1.0	100.0	0.0	100.0
615.0	146.6	0.0	3.7	1.0	100.0	0.0	100.0
615.5	149.9	0.0	3.9	1.0	100.0	0.0	100.0
616.0	148.6	0.0	4.1	.8	100.0	0.0	100.0
616.5	117.1	0.0	4.3	.7	100.0	0.0	100.0
617.0	61.6	3.7	4.5	.7	100.0	0.0	100.0
617.5	58.9	4.7	4.6	.7	100.0	0.0	100.0
618.0	62.6	6.0	4.7	.7	100.0	0.0	100.0
618.5	67.4	6.6	4.6	2.0	100.0	0.0	100.0
619.0	73.0	5.3	4.5	4.1	100.0	0.0	100.0
619.5	76.8	4.3	4.2	3.1	100.0	0.0	100.0
620.0	78.5	3.8	3.9	2.1	100.0	0.0	100.0
620.5	76.9	3.9	4.0	.9	100.0	0.0	100.0
621.0	73.0	3.9	4.1	.8	100.0	0.0	100.0
621.5	70.1	3.5	4.3	.8	100.0	0.0	100.0
622.0	70.1	3.0	4.4	.8	100.0	0.0	100.0
622.5	69.0	2.4	4.6	.9	100.0	0.0	100.0
623.0	65.9	4.3	4.8	1.0	100.0	0.0	100.0
623.5	63.1	5.3	5.0	1.3	100.0	0.0	100.0
624.0	66.1	13.2	5.1	.8	98.3	1.7	98.3
624.5	68.7	15.6	5.2	.9	82.4	17.6	82.4

77M6

CITIES SERVICE OIL COMPANY
CHESNEY HEGBERG UNIT MP NO. 113

DEPTH	GR	POR	RT	RXD	SXD	ROS	SW
625.0	71.1	16.6	5.3	1.5	76.9	23.1	76.9
625.5	69.3	19.0	5.2	2.2	66.6	33.4	66.6
626.0	65.2	20.8	5.1	2.4	61.3	38.7	61.3
626.5	58.9	20.5	4.9	1.2	63.7	36.3	63.7
627.0	56.1	20.1	4.8	.9	65.3	34.7	65.3
627.5	55.1	21.5	4.7	1.0	61.5	38.5	61.5
628.0	55.5	24.7	4.6	1.1	53.3	46.7	53.3
628.5	54.3	25.6	4.3	1.1	53.3	46.7	53.3
629.0	52.4	26.3	4.0	1.0	53.6	46.4	53.6
629.5	49.4	26.6	3.6	.9	56.2	43.8	56.2
630.0	48.9	26.8	3.3	.9	57.7	42.3	57.7
630.5	49.7	26.9	3.2	1.2	58.9	41.1	58.9
631.0	50.0	26.9	3.0	.9	60.6	39.4	60.6
631.5	50.1	26.8	2.8	.9	63.1	36.9	63.1
632.0	51.9	26.6	2.7	.9	64.8	35.2	64.8
632.5	54.1	26.1	2.7	.9	65.6	34.4	65.6
633.0	56.4	25.6	2.8	.7	65.7	34.3	65.7
633.5	58.1	24.8	3.1	.6	65.5	34.5	65.5
634.0	59.9	24.0	3.4	.6	63.9	36.1	63.9
634.5	63.0	23.5	3.9	.7	61.1	38.9	61.1
635.0	65.6	23.8	4.2	.7	58.3	41.7	58.3
635.5	66.1	24.5	4.5	.7	57.2	42.8	55.0
636.0	64.5	25.0	4.7	.6	58.6	41.4	52.4
636.5	62.8	25.1	5.0	.6	56.7	43.3	50.4
637.0	60.9	24.9	5.3	.7	55.5	44.5	49.5
637.5	61.8	24.3	5.6	.9	50.5	49.5	49.6
638.0	61.1	23.0	5.6	1.3	52.6	47.4	52.6
638.5	60.8	21.7	5.4	1.3	56.6	43.4	56.6
639.0	62.8	21.1	5.3	1.3	59.2	40.8	59.2
639.5	64.3	20.9	5.2	1.3	60.3	39.7	60.3
640.0	65.3	22.0	5.1	1.3	57.7	42.3	57.7
640.5	65.2	22.5	4.9	1.3	57.5	42.5	57.5
641.0	62.9	23.4	4.8	1.2	55.5	44.5	55.5
641.5	61.3	26.6	4.7	1.3	48.9	51.1	48.9
642.0	62.3	28.5	4.6	1.3	46.0	54.0	46.0
642.5	57.7	28.5	4.5	1.3	46.6	53.4	46.6
643.0	53.1	28.4	4.3	1.2	47.5	52.5	47.5
643.5	55.7	27.3	4.2	1.1	50.5	49.5	50.5
644.0	58.6	25.6	4.0	1.2	55.1	44.9	55.1
644.5	62.6	23.7	3.9	1.2	60.5	39.5	60.5
645.0	68.3	21.3	3.8	1.2	68.7	31.3	68.7
645.5	79.3	9.7	3.8	1.3	100.0	0.0	100.0
646.0	87.1	5.6	3.8	1.1	100.0	0.0	100.0
646.5	87.4	5.6	3.8	1.0	100.0	0.0	100.0
647.0	86.8	6.0	3.8	.9	100.0	0.0	100.0
647.5	87.1	5.6	3.8	.9	100.0	0.0	100.0
648.0	87.4	5.4	3.9	1.0	100.0	0.0	100.0
648.5	87.3	5.5	3.9	1.2	100.0	0.0	100.0
649.0	86.9	5.8	3.8	1.3	100.0	0.0	100.0
649.5	86.0	6.1	3.7	1.2	100.0	0.0	100.0

77MO

CITIES SERVICE OIL COMPANY
CHESNEY HEGBERG UNIT MP NO. 113

DEPTH	GR	POR	RT	RXD	SXD	RDS	SW
650.0	85.6	6.5	3.7	1.2	100.0	0.0	100.0
650.5	85.6	6.7	3.6	1.2	100.0	0.0	100.0
651.0	85.5	6.6	3.6	1.2	100.0	0.0	100.0
651.5	84.6	7.1	3.5	1.1	100.0	0.0	100.0
652.0	80.2	9.0	3.5	1.2	100.0	0.0	100.0
652.5	77.7	9.8	3.4	1.2	100.0	0.0	100.0
653.0	80.1	8.6	3.4	1.2	100.0	0.0	100.0
653.5	82.3	7.5	3.4	1.1	100.0	0.0	100.0
654.0	84.3	6.7	3.4	1.1	100.0	0.0	100.0
654.5	85.6	6.1	3.4	1.0	100.0	0.0	100.0
655.0	86.0	6.2	3.4	.9	100.0	0.0	100.0
655.5	86.0	6.5	3.4	.9	100.0	0.0	100.0
656.0	85.7	6.8	3.4	.9	100.0	0.0	100.0
656.5	84.9	7.3	3.4	.9	100.0	0.0	100.0
657.0	84.8	7.5	3.5	.9	100.0	0.0	100.0
657.5	85.0	7.3	3.5	.9	100.0	0.0	100.0
658.0	85.4	6.9	3.5	.9	100.0	0.0	100.0
658.5	86.8	6.0	3.4	1.0	100.0	0.0	100.0
659.0	90.2	4.4	3.4	1.0	100.0	0.0	100.0
659.5	91.5	3.6	3.4	1.0	100.0	0.0	100.0
660.0	88.5	4.7	3.3	1.0	100.0	0.0	100.0
660.5	86.5	5.5	3.4	1.0	100.0	0.0	100.0
661.0	85.6	5.9	3.3	1.0	100.0	0.0	100.0
661.5	83.1	7.1	3.4	1.0	100.0	0.0	100.0
662.0	84.2	7.1	3.4	1.0	100.0	0.0	100.0
662.5	85.7	6.6	3.5	1.0	100.0	0.0	100.0
663.0	88.4	5.5	3.5	1.0	100.0	0.0	100.0
663.5	89.4	5.2	3.5	.9	100.0	0.0	100.0

OWLL