

21-255-5E

COMPANY CITIES SERVICE OIL COMPANY
WELL CHESNEY-HEGGER UNIT MP #115

FOR THE INTERVAL 80. TO 676.

SDEP=	80.00	EDEP=	676.00	GMIN=	35.00	GMAX=	125.00
DSH =	2.65	NSH =	32.00	A =	0.62	M =	2.15
RM =	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 =	-43.00	PRNT=	1.00	PMAX=	30.00	SRHM=	0.50
N =	2.00	RMF =	0.05	GRAD=	1.00	SWOP=	3.00
CALM=	15.00	BITS=	7.87				

OWLL

CITIES SERVICE OIL COMPANY
CHESNEY-HEGGERG UNIT MP #115

DEPTH	PERM. INDEX MD	WATER SAT. %	POROSITY %	DENSITY HYDROCARBON GM/CC	CLAY %	CUM. POR. FEET	CUM. HYCARB FEET
96.0	4	100	12.2	1.0	24	.21	.00
97.0	8	100	14.4	1.0	16	.35	.00
98.0	11	100	15.4	1.0	16	.50	.00
99.0	10	100	15.0	1.0	19	.65	.00
100.0	6	100	13.4	1.0	27	.79	.00
101.0	1	100	8.8	1.0	40	.89	.00
114.0	0	100	1.0	1.0	47	1.16	.00
115.0	0	100	1.3	1.0	42	1.17	.00
129.0	0	100	4.4	1.0	47	1.41	.00
130.0	0	100	3.9	1.0	23	1.45	.00
131.0	0	100	5.5	1.0	26	1.50	.00
132.0	0	100	5.2	1.0	31	1.56	.00
133.0	0	100	6.0	1.0	34	2.62	.00
134.0	1	100	9.4	1.0	27	1.70	.00
135.0	4	100	12.2	1.0	23	1.82	.00
136.0	6	100	13.2	1.0	21	1.95	.00
137.0	7	100	13.6	1.0	23	2.03	.00
138.0	1	100	9.5	1.0	41	2.19	.00
139.0	0	100	5.9	1.0	50	2.26	.00
140.0	0	100	5.7	1.0	41	2.31	.00
141.0	0	100	6.8	1.0	31	2.38	.00
142.0	0	100	6.9	1.0	31	2.45	.00
143.0	1	100	8.2	1.0	26	2.52	.00
144.0	0	100	7.4	1.0	25	2.60	.00
145.0	0	100	5.7	1.0	31	2.66	.00
146.0	0	100	4.6	1.0	40	2.71	.00
147.0	1	100	8.4	1.0	24	2.78	.00
148.0	3	100	11.6	1.0	14	2.90	.00
149.0	6	100	13.6	1.0	13	3.03	.00
150.0	11	100	15.4	1.0	14	3.18	.00
151.0	15	100	16.5	1.0	17	3.34	.00
152.0	39	100	20.4	1.0	16	3.53	.00
153.0	68	100	23.2	1.0	13	3.76	.00
154.0	74	100	23.6	1.0	9	3.99	.00
155.0	68	100	23.2	1.0	9	4.23	.00
156.0	51	100	21.7	1.0	8	4.45	.00
157.0	45	100	21.1	1.0	6	4.66	.00
158.0	17	100	16.9	1.0	11	4.85	.00
159.0	10	100	14.9	1.0	13	5.01	.00
160.0	3	100	11.4	1.0	21	5.13	.00
161.0	1	100	9.2	1.0	27	5.23	.00
162.0	1	100	7.8	1.0	25	5.31	.00
163.0	0	100	6.1	1.0	21	5.38	.00
164.0	0	100	4.5	1.0	18	5.42	.00
165.0	0	100	3.3	1.0	34	5.46	.00
178.0	1	100	3.0	1.0	45	6.16	.00
179.0	1	100	3.4	1.0	32	6.24	.00

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CHESNEY-HEGBERG UNIT NP #115

DEPTH	PERM. INDEX MD	WATER SAT. %	POROSITY %	DENSITY HYDROCARBON GM/CC	CLAY %	CUM. POR. FEET	CUM. HYCARB FEET
180.0	4	100	12.2	1.0	9	6.35	.00
181.0	6	100	13.1	1.0	8	6.43	.00
182.0	4	100	12.1	1.0	11	6.61	.00
183.0	0	100	3.0	1.0	17	6.63	.00
184.0	0	100	3.6	1.0	14	6.67	.00
185.0	0	100	3.2	1.0	17	6.70	.00
186.0	0	100	2.7	1.0	20	6.73	.00
187.0	0	100	1.7	1.0	25	6.75	.00
188.0	0	100	2.5	1.0	30	6.77	.00
189.0	0	100	3.2	1.0	38	6.80	.00
190.0	0	100	3.9	1.0	38	6.84	.00
191.0	0	100	4.5	1.0	37	6.88	.00
192.0	0	100	4.1	1.0	39	6.93	.00
193.0	0	100	3.5	1.0	43	6.96	.00
194.0	0	100	2.7	1.0	41	7.00	.00
195.0	0	100	3.8	1.0	27	7.03	.00
196.0	0	100	3.8	1.0	29	7.07	.00
197.0	0	100	4.3	1.0	27	7.11	.00
198.0	0	100	2.4	1.0	31	7.14	.00
199.0	0	100	3.3	1.0	22	7.17	.00
200.0	0	100	3.8	1.0	20	7.21	.00
201.0	0	100	4.0	1.0	22	7.25	.00
202.0	0	100	6.5	1.0	34	7.31	.00
213.0	0	100	5.5	1.0	49	7.60	.00
214.0	0	100	6.0	1.0	47	7.66	.00
215.0	0	100	6.7	1.0	33	7.72	.00
216.0	0	100	3.8	1.0	31	7.77	.00
217.0	0	100	3.8	1.0	27	7.80	.00
218.0	0	100	3.8	1.0	26	7.84	.00
219.0	0	100	3.7	1.0	25	7.88	.00
220.0	0	100	3.2	1.0	28	7.91	.00
221.0	0	100	3.5	1.0	29	7.95	.00
222.0	0	100	4.4	1.0	30	7.99	.00
232.0	0	100	3.2	1.0	38	8.13	.00
233.0	0	100	2.2	1.0	25	8.20	.00
234.0	0	100	1.9	1.0	25	8.22	.00
235.0	0	100	2.4	1.0	30	8.24	.00
236.0	0	100	2.9	1.0	50	8.27	.00
253.0	0	100	4.6	1.0	36	8.38	.00
254.0	0	100	7.3	1.0	26	8.45	.00
255.0	0	100	5.0	1.0	39	8.51	.00
256.0	0	100	3.9	1.0	46	8.55	.00
260.0	0	100	4.6	1.0	46	8.67	.00
261.0	0	100	4.9	1.0	43	8.72	.00
262.0	0	100	4.9	1.0	40	8.77	.00
263.0	0	100	2.2	1.0	34	8.80	.00

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CHESNEY-HEGGERG UNIT MP #115

DEPTH	PERM. INDEX NO	WATER SAT. %	POROSITY %	DENSITY HYDROCARBON GM/CC	CLAY %	CUM. POR. FEET	CUM. HYCARB FEET
264.0	0	100	.1	1.0	25	8.80	.00
265.0	0	100	.1	1.0	17	8.80	.00
266.0	0	100	2.0	1.0	10	8.82	.00
267.0	0	100	6.3	1.0	14	8.87	.00
268.0	0	100	3.1	1.0	47	8.91	.00
274.0	0	100	2.3	1.0	44	8.94	.00
275.0	0	100	2.9	1.0	36	8.97	.00
276.0	0	100	4.3	1.0	30	9.01	.00
277.0	0	100	5.4	1.0	35	9.06	.00
278.0	0	100	5.0	1.0	42	9.11	.00
282.0	0	100	.3	1.0	31	9.22	.00
283.0	0	100	2.5	1.0	22	9.24	.00
284.0	1	100	8.4	1.0	28	9.31	.00
285.0	2	100	10.3	1.0	40	9.41	.00
295.0	0	100	2.9	1.0	45	9.57	.00
296.0	0	100	3.3	1.0	36	9.61	.00
297.0	0	100	3.9	1.0	30	9.65	.00
298.0	0	100	5.1	1.0	25	9.69	.00
299.0	1	100	7.7	1.0	18	9.76	.00
300.0	5	100	13.1	1.0	14	9.87	.00
301.0	13	100	15.3	1.0	14	10.02	.00
302.0	10	100	14.9	1.0	18	10.13	.00
303.0	9	100	14.7	1.0	18	10.33	.00
304.0	2	100	9.9	1.0	24	10.44	.00
305.0	0	100	6.7	1.0	27	10.51	.00
306.0	0	100	5.4	1.0	35	10.57	.00
310.0	0	100	2.9	1.0	50	10.67	.00
319.0	0	100	5.4	1.0	11	10.77	.00
320.0	2	100	10.5	1.0	6	10.87	.00
321.0	0	100	5.1	1.0	25	10.94	.00
322.0	0	100	2.6	1.0	17	10.97	.00
323.0	0	100	3.4	1.0	14	11.00	.00
324.0	0	100	3.7	1.0	13	11.04	.00
325.0	0	100	4.1	1.0	10	11.08	.00
326.0	0	100	4.4	1.0	12	11.12	.00
327.0	0	100	4.4	1.0	14	11.16	.00
328.0	0	100	5.3	1.0	14	11.21	.00
329.0	0	100	6.3	1.0	13	11.27	.00
330.0	0	100	5.4	1.0	16	11.33	.00
331.0	0	100	4.0	1.0	19	11.36	.00
332.0	0	100	2.2	1.0	19	11.41	.00
333.0	0	100	3.3	1.0	18	11.44	.00
334.0	0	100	4.3	1.0	16	11.49	.00
335.0	0	100	3.3	1.0	16	11.53	.00
336.0	0	100	3.3	1.0	16	11.56	.00

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DEPTH	PERM. INDEX MD	WATER SAT. %	POROSITY %	DENSITY HYDROCARBON GM/CC	CLAY %	CUM. POR. FEET	CUM. HYCARB FEET
337.0	0	100	1.7	1.0	22	11.53	.00
338.0	0	100	1.4	1.0	22	11.59	.00
339.0	0	100	1.6	1.0	16	11.61	.00
340.0	0	100	1.6	1.0	18	11.63	.00
341.0	0	100	2.4	1.0	25	11.65	.00
342.0	0	100	2.6	1.0	34	11.67	.00
350.0	6	100	13.2	1.0	41	11.86	.00
351.0	7	100	14.0	1.0	29	12.01	.00
352.0	1	100	9.2	1.0	25	12.12	.00
353.0	11	100	15.3	1.0	17	12.25	.00
354.0	20	100	17.6	1.0	14	12.43	.00
355.0	8	100	14.1	1.0	20	12.59	.00
356.0	0	100	6.4	1.0	33	12.69	.00
357.0	0	100	2.2	1.0	30	12.71	.00
358.0	0	100	1.3	1.0	25	12.73	.00
359.0	0	100	2.7	1.0	20	12.75	.00
360.0	0	100	3.7	1.0	28	12.78	.00
361.0	0	100	2.8	1.0	44	12.81	.00
373.0	0	100	3.5	1.0	41	12.91	.00
374.0	0	100	3.3	1.0	33	12.94	.00
375.0	0	100	3.5	1.0	30	12.98	.00
376.0	0	100	4.4	1.0	31	13.02	.00
377.0	0	100	3.7	1.0	40	13.06	.00
387.0	4	100	12.4	1.0	42	13.46	.00
388.0	10	100	15.0	1.0	31	13.60	.00
389.0	2	100	10.1	1.0	42	13.72	.00
392.0	0	100	5.0	1.0	35	13.80	.00
393.0	0	100	6.5	1.0	35	13.87	.00
394.0	1	100	7.9	1.0	34	13.94	.00
395.0	1	100	7.9	1.0	27	14.02	.00
396.0	0	100	5.5	1.0	37	14.08	.00
402.0	0	100	7.3	1.0	29	14.20	.00
403.0	3	100	11.0	1.0	16	14.31	.00
404.0	3	100	11.3	1.0	14	14.43	.00
405.0	3	100	11.5	1.0	14	14.54	.00
406.0	3	100	11.6	1.0	16	14.65	.00
407.0	4	100	12.3	1.0	17	14.73	.00
408.0	3	100	11.0	1.0	24	14.89	.00
409.0	1	100	9.3	1.0	31	14.99	.00
411.0	0	100	6.5	1.0	42	15.09	.00
412.0	0	100	4.6	1.0	42	15.14	.00
413.0	0	100	1.0	1.0	48	15.16	.00
414.0	0	100	1.2	1.0	42	15.17	.00
415.0	0	100	1.6	1.0	35	15.19	.00

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DEPTH	PERM. INDEX MD	WATER SAT. %	POROSITY %	DENSITY HYDROCARBON GM/CC	CLAY %	CUM. POR. FEET	CUM. HYCARB FEET
416.0	0	100	2.0	1.0	33	15.21	.00
417.0	0	100	2.3	1.0	32	15.23	.00
418.0	0	100	2.5	1.0	31	15.25	.00
419.0	0	100	2.3	1.0	33	15.23	.00
420.0	0	100	2.0	1.0	30	15.30	.00
421.0	0	100	2.0	1.0	27	15.32	.00
422.0	0	100	1.5	1.0	27	15.34	.00
423.0	0	100	1.2	1.0	25	15.35	.00
424.0	0	100	1.2	1.0	26	15.36	.00
425.0	0	100	1.5	1.0	33	15.37	.00
426.0	0	100	1.4	1.0	43	15.39	.00
428.0	0	100	.3	1.0	45	15.41	.00
429.0	0	100	.5	1.0	39	15.41	.00
430.0	0	100	.4	1.0	34	15.42	.00
431.0	0	100	2.6	1.0	19	15.43	.00
432.0	0	100	7.3	1.0	16	15.49	.00
433.0	4	100	11.9	1.0	20	15.60	.00
434.0	45	100	21.0	1.0	21	15.79	.00
435.0	46	100	21.2	1.0	31	16.00	.00
446.0	22	100	17.9	1.0	29	16.19	.00
437.0	3	100	11.4	1.0	30	16.33	.00
438.0	0	100	7.0	1.0	32	16.41	.00
439.0	0	100	4.9	1.0	38	16.47	.00
441.0	0	100	4.3	1.0	40	16.53	.00
442.0	0	100	5.4	1.0	34	16.59	.00
443.0	0	100	5.3	1.0	36	16.64	.00
444.0	0	100	4.1	1.0	40	16.68	.00
445.0	0	100	4.2	1.0	36	16.72	.00
446.0	0	100	3.3	1.0	38	16.76	.00
447.0	0	100	2.7	1.0	35	16.79	.00
448.0	0	100	2.5	1.0	29	16.81	.00
449.0	0	100	1.4	1.0	29	16.83	.00
450.0	0	100	.7	1.0	28	16.84	.00
451.0	0	100	.1	1.0	25	16.84	.00
452.0	0	100	2.0	1.0	19	16.86	.00
453.0	0	100	4.0	1.0	23	16.89	.00
454.0	0	100	3.0	1.0	44	16.92	.00
457.0	0	100	4.1	1.0	43	16.99	.00
458.0	0	100	4.9	1.0	36	17.04	.00
459.0	0	100	4.5	1.0	36	17.09	.00
460.0	0	100	4.1	1.0	39	17.13	.00
461.0	0	100	3.3	1.0	41	17.17	.00
464.0	0	100	3.2	1.0	49	17.26	.00
465.0	0	100	3.6	1.0	40	17.29	.00
466.0	0	100	2.9	1.0	40	17.32	.00
467.0	0	100	2.7	1.0	36	17.35	.00

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DEPTH	PERM. INDEX MD	WATER SAT. %	POROSITY %	DENSITY HYDROCARBON GM/CC	CLAY %	CUM. POR. FEET	CUM. HYCARB FEET
468.0	0	100	2.5	1.0	31	17.38	.00
469.0	0	100	4.2	1.0	26	17.42	.00
470.0	0	100	4.6	1.0	35	17.46	.00
471.0	0	100	2.4	1.0	47	17.49	.00
474.0	0	100	2.9	1.0	48	17.52	.00
475.0	0	100	2.5	1.0	42	17.55	.00
476.0	0	100	2.7	1.0	28	17.57	.00
477.0	0	100	4.1	1.0	23	17.61	.00
478.0	0	100	3.7	1.0	39	17.65	.00
482.0	0	100	2.1	1.0	43	17.71	.00
483.0	0	100	4.8	1.0	29	17.75	.00
484.0	1	100	8.3	1.0	28	17.83	.00
485.0	2	100	10.3	1.0	29	17.93	.00
486.0	1	100	8.6	1.0	41	18.02	.00
562.0	0	100	1.1	1.0	46	18.69	.00
569.0	1	100	9.4	1.0	46	18.93	.00
570.0	5	100	12.7	1.0	29	19.04	.00
571.0	1	100	8.3	1.0	14	19.15	.00
572.0	0	100	3.6	1.0	9	19.18	.00
573.0	0	100	5.2	1.0	8	19.23	.00
574.0	0	100	6.0	1.0	11	19.29	.00
575.0	0	100	5.1	1.0	13	19.35	.00
576.0	0	100	4.0	1.0	12	19.39	.00
577.0	0	100	6.7	1.0	14	19.45	.00
578.0	3	100	11.3	1.0	21	19.55	.00
579.0	8	100	14.2	1.0	31	19.68	.00
580.0	8	100	14.1	1.0	43	19.83	.00
581.0	8	100	14.3	1.0	44	19.97	.00
582.0	6	100	13.4	1.0	44	20.11	.00
583.0	4	100	12.5	1.0	41	20.23	.00
584.0	1	100	8.2	1.0	33	20.33	.00
585.0	0	100	5.1	1.0	26	20.37	.00
586.0	0	100	6.7	1.0	29	20.44	.00
587.0	0	100	5.9	1.0	39	20.50	.00
588.0	0	100	5.1	1.0	47	20.55	.00
589.0	1	100	7.3	1.0	38	20.62	.00
590.0	5	100	13.4	1.0	25	20.73	.00
591.0	6	100	13.3	1.0	34	20.87	.00
592.0	3	100	14.2	1.0	28	21.01	.00
593.0	1	100	8.6	1.0	21	21.11	.00
594.0	0	100	6.7	1.0	17	21.18	.00
595.0	0	100	5.4	1.0	18	21.24	.00
596.0	0	100	6.3	1.0	21	21.30	.00
597.0	0	100	6.2	1.0	29	21.37	.00
598.0	0	100	7.3	1.0	35	21.44	.00
599.0	0	100	7.4	1.0	43	21.51	.00

OWLL

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CHESNEY-HEGBERG UNIT WP #115

DEPTH	PERM. INDEX MD	WATER SAT. %	POROSITY %	DENSITY HYDROCARBON GM/CC	CLAY %	CUM. POR. FEET	CUM. HYCARB FEET
600.0	1	100	7.9	1.0	50	21.59	.00
604.0	0	100	7.4	1.0	47	21.66	.00
605.0	1	100	8.0	1.0	38	21.94	.00
606.0	1	100	8.3	1.0	23	22.03	.00
607.0	0	100	.1	1.0	15	22.05	.00
608.0	0	100	.1	1.0	14	22.05	.00
609.0	1	100	9.0	1.0	26	22.11	.00
619.0	2	100	10.4	1.0	39	22.75	.00
620.0	1	100	8.2	1.0	32	22.84	.00
621.0	1	100	8.3	1.0	24	22.92	.00
622.0	1	100	8.2	1.0	23	23.00	.00
623.0	1	100	7.8	1.0	28	23.08	.00
624.0	0	100	7.4	1.0	31	23.16	.00
625.0	0	100	7.0	1.0	29	23.23	.00
626.0	0	100	6.9	1.0	25	23.30	.00
627.0	1	100	9.2	1.0	25	23.38	.00
628.0	5	100	12.6	1.0	29	23.50	.00
629.0	3	100	11.3	1.0	40	23.61	.00
630.0	2	100	9.9	1.0	48	23.71	.00
638.0	0	100	5.0	1.0	49	24.04	.00
639.0	0	100	3.0	1.0	24	24.08	.00
640.0	0	100	6.7	1.0	19	24.14	.00
641.0	1	100	8.2	1.0	37	24.23	.00
642.0	0	100	6.7	1.0	48	24.30	.00
644.0	0	100	4.2	1.0	47	24.39	.00
645.0	0	100	3.8	1.0	38	24.43	.00
646.0	0	100	6.0	1.0	32	24.48	.00
647.0	1	100	9.4	1.0	37	24.57	.00
648.0	20	77	17.6	1.0	32	24.74	.03
649.0	44	62	20.9	1.0	30	24.94	.10
650.0	74	53	23.6	1.0	28	25.17	.20
651.0	92	50	24.3	1.0	25	25.42	.32
652.0	133	46	27.0	1.0	23	25.68	.47
653.0	168	43	28.5	.9	17	25.96	.62
654.0	158	44	28.1	1.0	19	26.25	.73
655.0	134	43	27.0	1.0	20	26.52	.94
656.0	126	45	26.6	1.0	19	26.73	1.09
657.0	129	46	26.8	1.0	18	27.05	1.23
658.0	131	49	26.9	1.0	18	27.32	1.37
659.0	125	52	26.6	1.0	21	27.59	1.50
660.0	109	57	25.8	1.0	22	27.85	1.61
661.0	96	61	25.0	1.0	25	28.10	1.71
662.0	103	61	25.4	1.0	29	28.35	1.81
663.0	115	62	26.1	1.0	30	28.61	1.91
664.0	115	64	26.1	1.0	30	28.87	2.01
665.0	134	61	27.0	1.0	26	29.14	2.11

OWLL

CITIES SERVICE OIL COMPANY
CHESNEY-HEGBERG UNIT MP #115

DEPTH	PERM. INDEX MD	WATER SAT. %	POROSITY %	DENSITY HYDROCARBON GM/CC	CLAY %	CUM. POR. FEET	CUM. HYCARB FEET
666.0	64 ⁰⁰⁰⁰	73	22.9	1.0	38 ⁴⁷⁰	29.39	2.20

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CITIES SERVICE OIL COMPANY
CHESNEY-HEGBERG UNIT MP #115

DEPTH	GR	POR	RT	RXD	SXD	RDS	SW
550.0	104.3	.0	1.3	.8	100.0	.0	100.0
550.5	99.4	.0	1.3	.8	100.0	.0	100.0
551.0	94.0	.0	1.4	.9	100.0	.0	100.0
551.5	88.6	.0	1.5	.9	100.0	.0	100.0
552.0	83.2	.0	1.6	1.2	100.0	.0	100.0
552.5	76.7	.0	1.8	1.5	100.0	.0	100.0
553.0	72.4	.9	1.9	1.4	100.0	.0	100.0
553.5	70.1	1.9	2.1	1.1	100.0	.0	100.0
554.0	73.1	.9	2.2	1.0	100.0	.0	100.0
554.5	76.0	.0	2.4	1.0	100.0	.0	100.0
555.0	79.0	.0	2.5	1.0	100.0	.0	100.0
555.5	82.0	.0	2.8	1.0	100.0	.0	100.0
556.0	82.1	.0	3.0	1.2	100.0	.0	100.0
556.5	80.4	.0	3.2	1.4	100.0	.0	100.0
557.0	78.7	.0	3.4	1.6	100.0	.0	100.0
557.5	77.0	.0	3.8	1.7	100.0	.0	100.0
558.0	74.9	.1	4.1	1.6	100.0	.0	100.0
558.5	73.1	.4	4.3	1.5	100.0	.0	100.0
559.0	71.3	.6	4.6	1.6	100.0	.0	100.0
559.5	70.1	.9	5.0	1.7	100.0	.0	100.0
560.0	69.5	.8	5.2	2.4	100.0	.0	100.0
560.5	65.7	1.1	5.3	3.0	100.0	.0	100.0
561.0	61.8	1.2	5.2	3.6	100.0	.0	100.0
561.5	58.0	1.3	4.7	3.2	100.0	.0	100.0
562.0	60.3	1.1	4.1	2.2	100.0	.0	100.0
562.5	64.2	1.4	3.6	1.4	100.0	.0	100.0
563.0	68.2	1.4	3.1	1.2	100.0	.0	100.0
563.5	80.7	.7	2.7	1.2	100.0	.0	100.0
564.0	91.9	.0	2.5	1.1	100.0	.0	100.0
564.5	102.5	.0	2.3	1.1	100.0	.0	100.0
565.0	105.3	.0	2.3	1.1	100.0	.0	100.0
565.5	107.1	.0	2.3	1.1	100.0	.0	100.0
566.0	108.9	.0	2.2	1.1	100.0	.0	100.0
566.5	108.8	6.2	2.2	1.2	100.0	.0	100.0
567.0	108.0	6.3	2.1	1.2	100.0	.0	100.0
567.5	107.3	6.4	2.2	1.3	100.0	.0	100.0
568.0	104.1	7.4	2.4	1.2	100.0	.0	100.0
568.5	101.1	8.5	2.5	1.2	100.0	.0	100.0
569.0	98.0	9.4	2.6	1.4	100.0	.0	100.0
569.5	95.0	10.1	2.7	1.6	100.0	.0	100.0
570.0	83.7	12.7	3.0	1.8	100.0	.0	100.0
570.5	72.8	13.0	3.3	2.3	100.0	.0	100.0
571.0	63.0	8.3	3.6	2.5	100.0	.0	100.0
571.5	58.4	3.5	4.1	2.2	100.0	.0	100.0
572.0	53.8	3.6	4.3	2.1	100.0	.0	100.0
572.5	51.4	4.4	4.5	2.0	100.0	.0	100.0
573.0	53.7	5.2	4.8	1.7	100.0	.0	100.0
573.5	57.2	5.9	4.7	1.5	100.0	.0	100.0
574.0	60.6	6.0	4.5	1.5	100.0	.0	100.0
574.5	64.0	6.0	4.2	1.6	100.0	.0	100.0

OWLL

CITIES SERVICE OIL COMPANY
CHESNEY-HEGBERG UNIT MP #115

DEPTH	GR	POR	RT	RXD	SXD	RDS	SW
575.0	62.6	5.1	4.0	1.9	100.0	.0	100.0
575.5	61.1	4.5	3.9	2.0	100.0	.0	100.0
576.0	59.6	4.0	3.6	2.1	100.0	.0	100.0
576.5	60.1	5.4	3.4	2.2	100.0	.0	100.0
577.0	64.7	6.7	3.1	1.6	100.0	.0	100.0
577.5	68.9	8.1	2.9	1.0	100.0	.0	100.0
578.0	73.1	11.3	2.7	1.0	100.0	.0	100.0
578.5	77.4	13.4	2.5	1.0	100.0	.0	100.0
579.0	83.4	14.2	2.3	1.0	100.0	.0	100.0
579.5	85.9	14.5	2.2	1.1	100.0	.0	100.0
580.0	88.6	14.1	2.1	1.1	100.0	.0	100.0
580.5	89.3	14.2	2.1	1.1	100.0	.0	100.0
581.0	90.0	14.3	2.2	1.1	100.0	.0	100.0
581.5	90.6	14.4	2.3	1.2	100.0	.0	100.0
582.0	91.3	13.4	2.3	1.2	100.0	.0	100.0
582.5	91.9	12.4	2.4	1.2	100.0	.0	100.0
583.0	88.5	12.5	2.5	1.2	100.0	.0	100.0
583.5	84.9	10.5	2.5	1.5	100.0	.0	100.0
584.0	81.3	8.2	2.7	1.8	100.0	.0	100.0
584.5	77.6	4.5	2.9	2.2	100.0	.0	100.0
585.0	75.1	5.1	3.0	1.8	100.0	.0	100.0
585.5	75.3	5.6	3.2	1.6	100.0	.0	100.0
586.0	82.7	6.7	3.4	1.4	100.0	.0	100.0
586.5	90.1	6.4	3.5	1.3	100.0	.0	100.0
587.0	97.4	5.9	3.4	1.4	100.0	.0	100.0
587.5	102.1	5.0	3.2	1.7	100.0	.0	100.0
588.0	101.2	5.1	3.0	1.8	100.0	.0	100.0
588.5	97.6	6.3	2.8	1.6	100.0	.0	100.0
589.0	94.0	7.6	2.7	1.4	100.0	.0	100.0
589.5	90.4	9.5	2.7	1.2	100.0	.0	100.0
590.0	86.6	13.4	2.7	1.1	100.0	.0	100.0
590.5	89.3	14.1	2.7	1.1	100.0	.0	100.0
591.0	92.3	13.3	3.0	1.1	100.0	.0	100.0
591.5	88.3	13.7	3.2	1.1	100.0	.0	100.0
592.0	82.0	14.2	3.4	1.6	100.0	.0	100.0
592.5	77.3	11.1	3.6	2.2	100.0	.0	100.0
593.0	72.5	8.6	4.2	2.7	100.0	.0	100.0
593.5	67.8	7.0	4.6	2.5	100.0	.0	100.0
594.0	67.8	6.7	5.1	2.2	100.0	.0	100.0
594.5	69.1	6.5	5.6	2.1	100.0	.0	100.0
595.0	69.9	6.4	5.6	2.1	100.0	.0	100.0
595.5	70.3	6.4	5.6	2.1	100.0	.0	100.0
596.0	73.5	6.3	5.2	2.1	100.0	.0	100.0
596.5	76.5	6.3	4.8	2.2	100.0	.0	100.0
597.0	82.2	6.2	4.4	2.0	100.0	.0	100.0
597.5	85.9	6.8	4.0	1.7	100.0	.0	100.0
598.0	89.5	7.3	3.6	1.4	100.0	.0	100.0
598.5	93.2	7.5	3.3	1.3	100.0	.0	100.0
599.0	97.7	7.4	3.2	1.2	100.0	.0	100.0
599.5	99.7	8.6	3.1	1.2	100.0	.0	100.0

OWLL

CITIES SERVICE OIL COMPANY
CHESNEY-HEGGERG UNIT MP #115

DEPTH	GR	POR	RT	RXD	SXD	RDS	SW
600.0	101.7	7.9	3.0	1.3	100.0	.0	100.0
600.5	103.7	7.2	2.9	1.3	100.0	.0	100.0
601.0	105.7	6.6	2.8	1.3	100.0	.0	100.0
601.5	106.2	6.3	2.8	1.4	100.0	.0	100.0
602.0	106.4	6.2	2.9	1.4	100.0	.0	100.0
602.5	106.7	6.1	3.0	1.4	100.0	.0	100.0
603.0	107.0	6.0	3.1	1.4	100.0	.0	100.0
603.5	104.0	6.8	3.2	1.4	100.0	.0	100.0
604.0	100.9	7.4	3.3	1.5	100.0	.0	100.0
604.5	97.3	8.0	3.4	1.6	100.0	.0	100.0
605.0	94.7	8.0	3.5	1.7	100.0	.0	100.0
605.5	85.8	8.9	3.8	1.7	100.0	.0	100.0
606.0	78.3	8.8	4.2	5.1	100.0	.0	100.0
606.5	70.7	3.9	4.5	7.7	100.0	.0	100.0
607.0	64.6	.1	4.0	8.7	100.0	.0	100.0
607.5	61.0	.1	3.6	5.0	100.0	.0	100.0
608.0	68.8	.1	3.0	2.7	100.0	.0	100.0
608.5	35.6	2.9	2.7	1.1	100.0	.0	100.0
609.0	96.4	9.0	2.5	.9	100.0	.0	100.0
609.5	110.3	7.6	2.2	.9	100.0	.0	100.0
610.0	115.2	5.0	1.9	.9	100.0	.0	100.0
610.5	120.2	2.4	1.9	1.0	100.0	.0	100.0
611.0	120.0	2.4	1.8	1.0	100.0	.0	100.0
611.5	118.6	2.9	1.8	1.0	100.0	.0	100.0
612.0	117.2	3.5	1.7	1.0	100.0	.0	100.0
612.5	115.3	4.0	1.6	.9	100.0	.0	100.0
613.0	114.2	4.6	1.6	.9	100.0	.0	100.0
613.5	112.9	5.1	1.5	.9	100.0	.0	100.0
614.0	111.6	5.5	1.4	.9	100.0	.0	100.0
614.5	110.4	6.0	1.4	.9	100.0	.0	100.0
615.0	109.1	6.5	1.4	.9	100.0	.0	100.0
615.5	107.8	7.1	1.5	1.0	100.0	.0	100.0
616.0	106.6	7.7	1.5	1.0	100.0	.0	100.0
616.5	105.3	7.9	1.6	1.0	100.0	.0	100.0
617.0	101.0	9.0	1.8	1.0	100.0	.0	100.0
617.5	98.0	9.5	1.7	1.0	100.0	.0	100.0
618.0	94.9	10.0	1.8	1.1	100.0	.0	100.0
618.5	89.6	10.9	2.0	1.2	100.0	.0	100.0
619.0	85.3	10.4	2.1	1.3	100.0	.0	100.0
619.5	82.7	9.4	2.3	1.4	100.0	.0	100.0
620.0	80.0	8.2	2.4	1.9	100.0	.0	100.0
620.5	77.4	8.3	2.5	1.9	100.0	.0	100.0
621.0	72.8	8.3	2.5	1.7	100.0	.0	100.0
621.5	71.1	8.4	2.6	1.4	100.0	.0	100.0
622.0	73.9	8.2	2.6	1.3	100.0	.0	100.0
622.5	76.6	8.0	2.6	1.2	100.0	.0	100.0
623.0	79.2	7.8	2.6	1.2	100.0	.0	100.0
623.5	81.9	7.6	2.7	1.3	100.0	.0	100.0
624.0	81.5	7.4	2.7	1.2	100.0	.0	100.0
624.5	79.9	7.1	3.0	1.2	100.0	.0	100.0

OWLL

CITIES SERVICE OIL COMPANY
CHESNEY-HEGGERG UNIT MP #115

DEPTH	GR	POR	RT	RXD	SXD	ROS	SW
625.0	78.2	7.0	3.3	1.7	100.0	.0	100.0
625.5	76.6	6.9	3.5	2.1	100.0	.0	100.0
626.0	74.4	6.9	3.8	1.9	100.0	.0	100.0
626.5	74.2	6.9	3.9	1.6	100.0	.0	100.0
627.0	73.3	9.2	3.8	1.6	100.0	.0	100.0
627.5	82.4	11.5	3.8	1.5	100.0	.0	100.0
628.0	87.3	12.6	3.7	1.4	100.0	.0	100.0
628.5	93.1	11.5	3.6	1.4	100.0	.0	100.0
629.0	94.3	11.3	3.4	1.4	100.0	.0	100.0
629.5	96.3	10.6	3.3	1.3	100.0	.0	100.0
630.0	97.7	9.9	3.2	1.3	100.0	.0	100.0
630.5	99.6	9.1	3.0	1.3	100.0	.0	100.0
631.0	100.5	8.6	2.9	1.3	100.0	.0	100.0
631.5	103.8	7.5	2.9	1.3	100.0	.0	100.0
632.0	106.5	6.6	2.8	1.3	100.0	.0	100.0
632.5	107.6	6.2	2.7	1.3	100.0	.0	100.0
633.0	106.9	6.4	2.6	1.3	100.0	.0	100.0
633.5	108.2	5.9	2.5	1.3	100.0	.0	100.0
634.0	113.2	4.3	2.4	1.3	100.0	.0	100.0
634.5	118.1	2.6	2.3	1.2	100.0	.0	100.0
635.0	123.1	.8	2.2	1.2	100.0	.0	100.0
635.5	128.0	.0	2.3	1.2	100.0	.0	100.0
636.0	131.8	.0	2.4	1.2	100.0	.0	100.0
636.5	129.1	.0	2.4	1.3	100.0	.0	100.0
637.0	122.3	.9	2.5	1.4	100.0	.0	100.0
637.5	117.9	2.0	2.8	2.0	100.0	.0	100.0
638.0	94.6	5.0	3.0	2.6	100.0	.0	100.0
638.5	77.4	5.0	3.2	4.0	100.0	.0	100.0
639.0	71.3	3.0	3.3	3.1	100.0	.0	100.0
639.5	70.9	4.7	3.2	2.3	100.0	.0	100.0
640.0	70.6	6.7	3.2	1.8	100.0	.0	100.0
640.5	81.2	9.0	3.0	1.5	100.0	.0	100.0
641.0	91.3	8.2	2.8	1.4	100.0	.0	100.0
641.5	95.7	6.2	2.7	1.4	100.0	.0	100.0
642.0	98.1	6.7	2.7	1.4	100.0	.0	100.0
642.5	100.5	5.2	2.7	1.4	100.0	.0	100.0
643.0	99.0	4.5	2.8	1.4	100.0	.0	100.0
643.5	95.8	4.3	3.0	1.5	100.0	.0	100.0
644.0	92.6	4.2	3.2	1.6	100.0	.0	100.0
644.5	87.3	4.1	3.4	1.7	100.0	.0	100.0
645.0	84.9	3.8	3.7	2.1	100.0	.0	100.0
645.5	82.5	4.8	3.9	2.0	100.0	.0	100.0
646.0	80.0	6.0	4.1	1.7	100.0	.0	100.0
646.5	83.0	8.5	4.4	1.3	100.0	.0	100.0
647.0	87.1	9.4	4.6	1.2	100.0	.0	100.0
647.5	91.0	15.0	4.5	1.3	92.6	7.4	92.6
648.0	86.6	17.6	4.6	1.4	76.9	23.1	76.9
648.5	82.3	19.8	4.8	1.7	77.9	22.1	86.5
649.0	77.8	20.9	4.9	1.8	70.5	29.5	81.9
649.5	76.1	22.4	5.0	1.8	65.4	34.6	56.9

OWLL

CITIES SERVICE OIL COMPANY
CHESNEY-HEGBERG UNIT MP #115

DEPTH	GR	POR	RT	RXD	SXD	ROS	SW
650.0	74.4	23.6	5.2	1.8	62.8	37.2	52.9
650.5	72.7	24.4	5.2	1.6	63.1	36.9	50.8
651.0	72.5	24.8	5.3	1.5	63.9	36.1	49.8
651.5	72.7	26.0	5.3	1.5	61.6	38.4	47.2
652.0	72.9	27.0	5.2	1.4	59.9	40.1	45.7
652.5	70.9	27.8	5.2	1.7	52.9	47.1	44.4
653.0	68.9	28.5	5.2	2.0	47.5	52.5	43.4
653.5	68.2	28.4	5.1	2.4	44.5	55.5	43.7
654.0	69.9	28.1	5.3	2.4	44.3	55.7	43.6
654.5	70.5	27.6	5.5	2.2	46.9	53.1	43.4
655.0	70.5	27.0	5.8	2.2	48.1	51.9	43.4
655.5	70.4	26.6	5.6	2.3	48.6	51.4	44.7
656.0	70.2	26.6	5.5	2.3	48.7	51.3	45.3
656.5	70.0	26.7	5.3	2.2	48.8	51.2	45.8
657.0	69.5	26.8	5.1	2.2	48.8	51.2	46.4
657.5	69.0	26.9	4.9	2.3	48.1	51.9	47.6
658.0	68.5	26.9	4.6	2.3	48.8	51.2	48.8
658.5	68.5	26.9	4.4	2.1	50.1	49.9	50.1
659.0	69.8	26.6	4.1	2.0	52.4	47.6	52.4
659.5	70.8	26.2	3.8	1.8	55.4	44.6	55.4
660.0	71.8	25.8	3.7	1.7	58.2	41.3	57.1
660.5	72.8	25.4	3.6	1.6	60.1	39.9	58.8
661.0	75.3	25.0	3.5	1.6	61.1	38.9	60.7
661.5	77.6	25.1	3.4	1.7	61.5	38.5	61.5
662.0	79.9	25.4	3.3	1.7	61.5	38.5	61.5
662.5	81.3	25.8	3.2	1.6	61.5	38.5	61.5
663.0	81.8	26.1	3.1	1.5	61.7	38.3	61.7
663.5	82.4	26.2	3.0	1.5	62.5	37.5	62.5
664.0	83.5	26.1	2.9	1.5	63.6	36.4	63.6
664.5	84.3	26.4	2.9	1.4	62.7	37.3	62.7
665.0	84.3	27.0	2.9	1.4	61.2	38.8	61.2
665.5	84.3	27.6	2.9	1.3	61.2	38.8	59.8
666.0	89.4	22.9	2.9	1.4	73.2	26.8	73.2
666.5	94.5	18.3	2.9	1.6	92.9	7.1	92.9
667.0	99.6	12.6	2.9	1.5	100.0	.0	100.0
667.5	110.2	5.8	2.9	1.5	100.0	.0	100.0
668.0	116.9	2.9	2.9	1.4	100.0	.0	100.0
668.5	119.0	2.0	2.9	1.4	100.0	.0	100.0
669.0	110.5	2.2	2.9	1.4	100.0	.0	100.0
669.5	118.0	2.3	2.9	1.4	100.0	.0	100.0
670.0	118.2	2.3	2.9	1.4	100.0	.0	100.0
670.5	118.6	2.2	2.9	1.4	100.0	.0	100.0
671.0	119.0	2.1	2.9	1.4	100.0	.0	100.0
671.5	119.5	1.9	2.9	1.4	100.0	.0	100.0
672.0	117.9	2.2	2.9	1.5	100.0	.0	100.0
672.5	116.2	2.5	2.9	1.5	100.0	.0	100.0
673.0	118.4	1.7	2.9	1.4	100.0	.0	100.0
673.5	121.5	1.0	2.9	1.4	100.0	.0	100.0
674.0	121.2	1.1	2.9	1.5	100.0	.0	100.0
674.5	120.5	1.2	2.9	1.6	100.0	.0	100.0

OWLL

CITIES SERVICE OIL COMPANY
CHESNEY-HEGBERG UNIT MP #115

DEPTH	GR	POR	RT	RXD	SXD	ROS	SW
675.0	120.3	1.1	2.9	1.6	100.0	.0	100.0
675.5	119.3	1.5	2.9	1.7	100.0	.0	100.0
686.0	117.6	2.2	2.9	1.7	100.0	.0	100.0

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