

21-25-S-E

COMPANY CITIES SERVICE OIL COMPANY
WELL CHESNEY-REEDER NO. 108

FOR THE INTERVAL 80. TO 660.

SDEP=	80.00	EDEP=	660.00	GMIN=	41.00	GMAX=	91.00
DSH =	2.65	NSH =	30.00	A =	0.62	M =	2.15
RN =	2.00	RSH =	5.00	SIRR=	40.00	BFT =	80.00
CALD=	9.00	GCUR=	2.00	DF =	1.00	DG =	2.65
NF =	100.00	LCGR=	-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 =	0.03	GRAD=	1.00	SNOP=	3.00
CALM=	15.00	BITS=	7.87				

OWLL

CITIES SERVICE OIL COMPANY
CHESNEY HIGHERG UNIT MP NO. 108

DEPTH	PERM. INDEX MD	WATER SAT. %	POROSITY %	DENSITY HYDROCARBON GM/CC	CLAY %	CUM. POR. FEET	CUM. HYCARB FEET
80.0	0	100	.4	1.0	49	0.00	0.00
81.0	0	100	1.0	1.0	47	.01	0.00
82.0	0	100	1.6	1.0	45	.02	0.00
83.0	0	100	1.1	1.0	46	.04	0.00
84.0	0	100	.9	1.0	45	.05	0.00
85.0	0	100	.6	1.0	44	.05	0.00
86.0	0	100	.5	1.0	41	.06	0.00
87.0	0	100	.3	1.0	38	.06	0.00
88.0	0	100	.1	1.0	36	.06	0.00
89.0	0	100	.1	1.0	36	.06	0.00
90.0	0	100	.8	1.0	38	.07	0.00
91.0	0	100	2.3	1.0	43	.09	0.00
92.0	0	100	6.7	1.0	50	.14	0.00
100.0	0	100	4.1	1.0	49	.71	0.00
103.0	0	100	5.7	1.0	43	.86	0.00
104.0	0	100	3.4	1.0	26	.90	0.00
105.0	0	100	.1	1.0	28	.91	0.00
106.0	0	100	2.7	1.0	30	.93	0.00
107.0	0	100	4.3	1.0	35	.97	0.00
108.0	0	100	6.3	1.0	33	1.03	0.00
109.0	4	100	11.5	1.0	31	1.14	0.00
110.0	4	100	11.7	1.0	30	1.25	0.00
111.0	4	100	11.3	1.0	26	1.37	0.00
112.0	2	100	10.1	1.0	30	1.47	0.00
113.0	0	100	6.6	1.0	40	1.55	0.00
114.0	0	100	3.9	1.0	44	1.60	0.00
115.0	0	100	2.7	1.0	36	1.62	0.00
116.0	0	100	3.3	1.0	29	1.65	0.00
117.0	0	100	5.8	1.0	23	1.71	0.00
118.0	0	100	5.7	1.0	23	1.77	0.00
119.0	0	100	6.0	1.0	28	1.82	0.00
120.0	0	100	6.0	1.0	26	1.88	0.00
121.0	0	100	6.2	1.0	17	1.95	0.00
122.0	3	100	10.7	1.0	14	2.03	0.00
123.0	6	100	12.6	1.0	12	2.16	0.00
124.0	5	100	12.1	1.0	16	2.23	0.00
125.0	4	100	11.5	1.0	17	2.40	0.00
126.0	10	100	14.2	1.0	15	2.53	0.00
127.0	18	100	16.3	1.0	13	2.69	0.00
128.0	24	100	17.3	1.0	13	2.85	0.00
129.0	17	100	16.0	1.0	18	3.03	0.00
130.0	14	100	15.4	1.0	20	3.18	0.00
131.0	11	100	14.6	1.0	20	3.33	0.00
132.0	8	100	13.6	1.0	17	3.47	0.00
133.0	3	100	10.9	1.0	22	3.59	0.00
134.0	0	100	7.2	1.0	26	3.67	0.00
135.0	0	100	5.3	1.0	29	3.72	0.00
136.0	0	100	4.1	1.0	27	3.77	0.00

DOWELL

CITIES SERVICE OIL COMPANY
CHESNEY HEGBERG UNIT MP NO. 108

DEPTH	PERM. INDEX MD	WATER SAT. %	POROSITY %	DENSITY HYDROCARBON GM/CC	CLAY %	CUM. POR. FEET	CUM. HYCARB FEET
137.0	0	100	1.7	1.0	24	3.79	0.00
138.0	0	100	.5	1.0	28	3.80	0.00
139.0	0	100	1.0	1.0	28	3.81	0.00
140.0	0	100	1.6	1.0	30	3.82	0.00
141.0	0	100	.9	1.0	43	3.83	0.00
142.0	0	100	2.1	1.0	46	3.85	0.00
143.0	0	100	3.1	1.0	49	3.87	0.00
153.0	1	100	9.1	1.0	49	4.55	0.00
154.0	4	100	11.7	1.0	43	4.67	0.00
155.0	17	100	16.1	1.0	33	4.83	0.00
156.0	38	100	19.3	1.0	14	5.01	0.00
157.0	2	100	10.3	1.0	20	5.15	0.00
158.0	0	100	.1	1.0	24	5.15	0.00
159.0	0	100	1.3	1.0	24	5.16	0.00
160.0	0	100	1.9	1.0	24	5.18	0.00
161.0	0	100	1.5	1.0	21	5.19	0.00
162.0	0	100	3.3	1.0	19	5.22	0.00
163.0	0	100	3.5	1.0	29	5.25	0.00
164.0	0	100	3.1	1.0	35	5.29	0.00
167.0	0	100	4.6	1.0	43	5.39	0.00
168.0	0	100	4.6	1.0	39	5.43	0.00
169.0	0	100	.2	1.0	29	5.45	0.00
170.0	0	100	2.1	1.0	25	5.47	0.00
171.0	0	100	3.7	1.0	21	5.50	0.00
172.0	0	100	3.0	1.0	28	5.53	0.00
173.0	0	100	1.4	1.0	24	5.55	0.00
174.0	0	100	.1	1.0	22	5.56	0.00
175.0	0	100	1.4	1.0	19	5.56	0.00
176.0	0	100	3.4	1.0	22	5.59	0.00
177.0	0	100	3.7	1.0	30	5.63	0.00
178.0	0	100	4.3	1.0	41	5.67	0.00
188.0	0	100	5.5	1.0	44	6.13	0.00
189.0	0	100	4.8	1.0	36	6.18	0.00
190.0	0	100	4.7	1.0	33	6.22	0.00
191.0	0	100	3.9	1.0	31	6.27	0.00
192.0	0	100	3.1	1.0	28	6.30	0.00
193.0	0	100	.8	1.0	31	6.31	0.00
194.0	0	100	.2	1.0	33	6.32	0.00
195.0	0	100	.1	1.0	35	6.32	0.00
196.0	0	100	.1	1.0	29	6.32	0.00
197.0	0	100	.1	1.0	25	6.32	0.00
198.0	0	100	.1	1.0	29	6.32	0.00
199.0	0	100	.5	1.0	38	6.32	0.00
202.0	0	100	2.9	1.0	45	6.37	0.00
207.0	0	100	3.9	1.0	45	6.54	0.00

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CITIES SERVICE OIL COMPANY
CHESNEY HEGBERG UNIT MP NO. 108

DEPTH	PERM. INDEX MD	WATER SAT. %	POROSITY %	DENSITY HYDROCARBON GM/CC	CLAY %	CUM. POR. FEET	CUM. HYCARB FEET
203.0	0	100	1.0	1.0	37	6.55	0.00
209.0	0	100	.1	1.0	28	6.57	0.00
210.0	0	100	.1	1.0	26	6.57	0.00
211.0	0	100	.1	1.0	28	6.57	0.00
212.0	0	100	.6	1.0	36	6.57	0.00
228.0	0	100	6.2	1.0	34	7.13	0.00
229.0	0	100	2.2	1.0	24	7.17	0.00
230.0	0	100	2.6	1.0	21	7.22	0.00
231.0	0	100	2.7	1.0	31	7.25	0.00
232.0	0	100	1.9	1.0	40	7.27	0.00
233.0	0	100	1.7	1.0	44	7.28	0.00
236.0	0	100	2.5	1.0	48	7.35	0.00
238.0	0	100	5.1	1.0	49	7.42	0.00
239.0	0	100	5.1	1.0	47	7.47	0.00
240.0	0	100	5.1	1.0	41	7.52	0.00
241.0	0	100	5.3	1.0	32	7.57	0.00
242.0	0	100	.1	1.0	29	7.60	0.00
243.0	0	100	.1	1.0	35	7.60	0.00
249.0	0	100	3.2	1.0	43	7.66	0.00
250.0	0	100	3.7	1.0	33	7.69	0.00
251.0	0	100	.1	1.0	31	7.69	0.00
252.0	0	100	.1	1.0	30	7.70	0.00
253.0	0	100	.1	1.0	35	7.70	0.00
254.0	0	100	1.4	1.0	41	7.71	0.00
255.0	0	100	1.9	1.0	48	7.73	0.00
257.0	0	100	4.4	1.0	36	7.79	0.00
258.0	0	100	4.2	1.0	25	7.84	0.00
259.0	0	100	2.3	1.0	17	7.87	0.00
260.0	0	100	3.1	1.0	25	7.90	0.00
261.0	0	100	3.2	1.0	32	7.93	0.00
262.0	0	100	2.7	1.0	42	7.96	0.00
269.0	0	100	2.7	1.0	43	8.07	0.00
270.0	0	100	2.0	1.0	44	8.09	0.00
271.0	0	100	1.7	1.0	41	8.11	0.00
272.0	0	100	1.8	1.0	33	8.13	0.00
273.0	0	100	1.2	1.0	30	8.14	0.00
274.0	0	100	1.4	1.0	26	8.15	0.00
275.0	0	100	2.7	1.0	21	8.18	0.00
276.0	0	100	4.5	1.0	20	8.22	0.00
277.0	0	100	5.9	1.0	22	8.27	0.00
278.0	0	100	6.2	1.0	28	8.33	0.00
279.0	0	100	6.6	1.0	26	8.40	0.00
280.0	0	100	5.4	1.0	27	8.46	0.00
281.0	0	100	3.5	1.0	31	8.50	0.00

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CITIES SERVICE OIL COMPANY
CHESNEY HEGBERG UNIT MP NO. 108

DEPTH	PERM. INDEX MD	WATER SAT. %	POROSITY %	DENSITY HYDROCARBON GM/CC	CLAY %	CUM. POR. FEET	CUM. HYCARB FEET
282.0	0	100	2.7	1.0	43	8.53	0.00
284.0	0	100	3.2	1.0	45	8.58	0.00
285.0	0	100	1.1	1.0	42	8.60	0.00
286.0	0	100	.7	1.0	43	8.60	0.00
287.0	0	100	1.3	1.0	46	8.62	0.00
294.0	0	100	3.6	1.0	38	8.72	0.00
295.0	1	100	7.3	1.0	22	8.79	0.00
296.0	0	100	.1	1.0	19	8.80	0.00
297.0	0	100	.1	1.0	18	8.80	0.00
298.0	0	100	1.1	1.0	20	8.81	0.00
299.0	0	100	1.0	1.0	24	8.82	0.00
300.0	0	100	1.8	1.0	30	8.84	0.00
301.0	0	100	1.2	1.0	49	8.85	0.00
304.0	0	100	6.6	1.0	49	8.92	0.00
305.0	2	100	10.2	1.0	39	9.01	0.00
306.0	4	100	11.6	1.0	30	9.12	0.00
307.0	2	100	9.9	1.0	31	9.23	0.00
308.0	0	100	5.1	1.0	33	9.28	0.00
309.0	0	100	4.7	1.0	27	9.33	0.00
310.0	0	100	6.8	1.0	26	9.39	0.00
311.0	1	100	7.8	1.0	22	9.47	0.00
312.0	1	100	7.7	1.0	24	9.54	0.00
313.0	0	100	5.9	1.0	28	9.61	0.00
314.0	0	100	3.1	1.0	32	9.65	0.00
315.0	0	100	1.5	1.0	23	9.67	0.00
316.0	0	100	2.4	1.0	24	9.69	0.00
317.0	0	100	2.9	1.0	29	9.72	0.00
318.0	0	100	2.7	1.0	34	9.75	0.00
319.0	0	100	3.3	1.0	38	9.78	0.00
320.0	0	100	2.7	1.0	50	9.81	0.00
326.0	2	100	10.4	1.0	45	10.14	0.00
327.0	4	100	11.6	1.0	41	10.25	0.00
328.0	3	100	10.4	1.0	35	10.36	0.00
329.0	1	100	9.0	1.0	32	10.45	0.00
330.0	2	100	10.3	1.0	34	10.55	0.00
331.0	6	100	12.7	1.0	28	10.67	0.00
332.0	6	100	12.5	1.0	23	10.80	0.00
333.0	1	100	7.6	1.0	20	10.88	0.00
334.0	0	100	.1	1.0	24	10.88	0.00
335.0	0	100	.1	1.0	26	10.88	0.00
336.0	0	100	.1	1.0	39	10.89	0.00
349.0	0	100	.6	1.0	36	11.18	0.00
350.0	0	100	.1	1.0	35	11.18	0.00
351.0	0	100	.6	1.0	32	11.19	0.00
352.0	0	100	1.6	1.0	34	11.20	0.00

O W L

CITIES SERVICE OIL COMPANY
CHESNEY HECBERG UNIT MP NO. 108

DEPTH	PERM. INDEX MD	WATER SAT. %	POROSITY %	DENSITY HYDROCARBON GM/CC	CLAY %	CUM. POR. FEET	CUM. HYCARB FEET
353.0	0	100	1.5	1.0	39	11.21	0.00
354.0	0	100	.7	1.0	47	11.22	0.00
355.0	0	100	1.5	1.0	50	11.23	0.00
360.0	0	100	4.7	1.0	46	11.43	0.00
361.0	0	100	5.4	1.0	43	11.48	0.00
362.0	0	100	5.8	1.0	47	11.53	0.00
363.0	0	100	6.5	1.0	39	11.59	0.00
364.0	0	100	6.6	1.0	35	11.66	0.00
365.0	0	100	6.8	1.0	42	11.73	0.00
367.0	0	100	5.0	1.0	50	11.84	0.00
368.0	0	100	5.4	1.0	35	11.89	0.00
369.0	0	100	6.8	1.0	38	11.95	0.00
370.0	2	100	9.6	1.0	33	12.04	0.00
371.0	6	100	12.4	1.0	33	12.16	0.00
372.0	3	100	10.9	1.0	33	12.27	0.00
373.0	0	100	3.6	1.0	44	12.33	0.00
378.0	0	100	4.6	1.0	29	12.41	0.00
379.0	1	100	8.4	1.0	22	12.49	0.00
380.0	2	100	9.5	1.0	20	12.58	0.00
381.0	2	100	9.3	1.0	20	12.68	0.00
382.0	1	100	8.2	1.0	24	12.76	0.00
383.0	0	100	6.8	1.0	27	12.83	0.00
384.0	0	100	6.8	1.0	32	12.90	0.00
385.0	0	100	5.6	1.0	45	12.96	0.00
386.0	0	100	6.7	1.0	49	13.02	0.00
387.0	2	100	9.7	1.0	36	13.11	0.00
388.0	0	100	3.5	1.0	38	13.17	0.00
389.0	0	100	.1	1.0	42	13.18	0.00
390.0	0	100	.1	1.0	42	13.18	0.00
391.0	0	100	.1	1.0	44	13.18	0.00
392.0	0	100	.1	1.0	44	13.18	0.00
393.0	0	100	.1	1.0	40	13.18	0.00
394.0	0	100	.1	1.0	40	13.18	0.00
395.0	0	100	.1	1.0	41	13.18	0.00
396.0	0	100	1.5	1.0	47	13.19	0.00
397.0	0	100	2.6	1.0	47	13.22	0.00
398.0	0	100	4.4	1.0	29	13.26	0.00
399.0	0	100	.1	1.0	29	13.26	0.00
400.0	0	100	.1	1.0	30	13.26	0.00
401.0	0	100	.1	1.0	31	13.26	0.00
402.0	0	100	.1	1.0	30	13.27	0.00
403.0	0	100	.1	1.0	36	13.27	0.00
404.0	0	100	.1	1.0	44	13.27	0.00
405.0	0	100	.1	1.0	43	13.27	0.00
406.0	0	100	.1	1.0	38	13.27	0.00
407.0	0	100	.1	1.0	40	13.27	0.00
408.0	0	100	.5	1.0	31	13.27	0.00

O W L L

CITIES SERVICE OIL COMPANY
CHESNEY HEGGERG UNIT HP NO. 109

DEPTH	PERM. INDEX MD	WATER SAT. %	POROSITY %	DENSITY HYDROCARBON GM/CC	CLAY %	CUM. POR. FEET	CUM. HYCARB FEET
409.0	0	100	1.0	1.0	30	13.29	0.00
410.0	0	100	4.8	1.0	32	13.32	0.00
411.0	41	100	19.6	1.0	26	13.46	0.00
412.0	40	100	19.4	1.0	32	13.68	0.00
413.0	27	100	17.8	1.0	27	13.86	0.00
414.0	3	100	11.0	1.0	28	14.00	0.00
415.0	0	100	6.1	1.0	30	14.07	0.00
416.0	0	100	1.2	1.0	34	14.10	0.00
417.0	0	100	.3	1.0	39	14.10	0.00
418.0	0	100	.2	1.0	35	14.11	0.00
419.0	0	100	1.7	1.0	34	14.12	0.00
420.0	0	100	1.3	1.0	39	14.13	0.00
421.0	0	100	1.2	1.0	40	14.15	0.00
422.0	0	100	2.0	1.0	37	14.16	0.00
423.0	0	100	1.8	1.0	37	14.18	0.00
424.0	0	100	.7	1.0	33	14.19	0.00
425.0	0	100	.4	1.0	29	14.20	0.00
426.0	0	100	.1	1.0	27	14.20	0.00
427.0	0	100	.1	1.0	24	14.20	0.00
428.0	0	100	.1	1.0	23	14.20	0.00
429.0	0	100	.1	1.0	22	14.20	0.00
430.0	0	100	1.4	1.0	44	14.21	0.00
434.0	0	100	1.2	1.0	42	14.27	0.00
435.0	0	100	1.6	1.0	34	14.29	0.00
436.0	0	100	1.8	1.0	37	14.30	0.00
437.0	0	100	1.1	1.0	44	14.32	0.00
438.0	0	100	1.0	1.0	49	14.33	0.00
439.0	0	100	.7	1.0	46	14.34	0.00
440.0	0	100	.1	1.0	42	14.34	0.00
441.0	0	100	.1	1.0	40	14.34	0.00
442.0	0	100	.1	1.0	37	14.34	0.00
443.0	0	100	.1	1.0	32	14.34	0.00
444.0	0	100	.1	1.0	29	14.34	0.00
445.0	0	100	.1	1.0	32	14.34	0.00
446.0	0	100	1.2	1.0	37	14.35	0.00
450.0	0	100	.1	1.0	42	14.43	0.00
451.0	0	100	.1	1.0	40	14.43	0.00
452.0	0	100	.1	1.0	29	14.43	0.00
453.0	0	100	2.6	1.0	21	14.45	0.00
454.0	0	100	2.5	1.0	43	14.47	0.00
457.0	0	100	2.9	1.0	44	14.55	0.00
458.0	0	100	.1	1.0	30	14.55	0.00
459.0	0	100	1.5	1.0	29	14.56	0.00
460.0	0	100	3.7	1.0	34	14.60	0.00
461.0	0	100	4.9	1.0	39	14.64	0.00
462.0	0	100	4.1	1.0	47	14.68	0.00

OWLI

CITIES SERVICE OIL COMPANY
CHESNEY HEGGERG UNIT MP NO. 108

DEPTH	PERM. INDEX MD	WATER SAT. %	POROSITY %	DENSITY HYDROCARBON GM/CC	CLAY %	CUM. POR. FEET	CUM. HYCARB FEET
466.0	0	100	3.5	1.0	49	14.82	0.00
467.0	0	100	3.2	1.0	46	14.85	0.00
476.0	0	100	2.9	1.0	40	15.09	0.00
477.0	0	100	2.8	1.0	45	15.11	0.00
533.0	0	100	2.3	1.0	44	15.71	0.00
534.0	0	100	.1	1.0	34	15.71	0.00
544.0	0	100	.1	1.0	36	15.77	0.00
545.0	0	100	.1	1.0	36	15.77	0.00
546.0	0	100	.1	1.0	44	15.77	0.00
548.0	0	100	.1	1.0	48	15.78	0.00
611.0	0	100	4.2	1.0	28	16.00	0.00
612.0	0	100	.7	1.0	39	16.02	0.00
617.0	0	100	4.5	1.0	50	16.16	0.00
618.0	0	100	4.4	1.0	39	16.20	0.00
620.0	9	97	13.9	1.0	42	16.35	0.00
621.0	53	63	20.8	1.0	27	16.54	.07
622.0	62	61	21.5	1.0	23	16.76	.15
623.0	84	60	23.0	1.0	19	16.98	.24
624.0	125	61	25.2	1.0	10	17.23	.33
625.0	158	62	26.6	1.0	9	17.49	.43
626.0	164	65	26.8	1.0	11	17.76	.53
627.0	148	71	26.2	1.0	18	18.03	.61
628.0	121	74	25.0	1.0	24	18.28	.68
629.0	75	79	22.5	1.0	33	18.52	.73
630.0	37	89	19.1	1.0	43	18.71	.76
631.0	101	65	24.0	1.0	29	18.94	.83
632.0	126	58	25.3	1.0	23	19.19	.93
633.0	127	57	25.3	1.0	27	19.44	1.04
634.0	85	64	23.1	1.0	32	19.68	1.13
635.0	21	91	16.8	1.0	47	19.87	1.16
* 637.0	54	74	20.8	1.0	41	20.21	1.20
638.0	53	74	20.7	1.0	45	20.42	1.25

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DEPTH	GR	POR	RT	RXD	1SX0	RDS	SW
500.0	81.3	.1	4.1	1.8	100.0	0.0	100.0
600.5	82.5	.1	4.2	1.6	100.0	0.0	100.0
601.0	82.0	.3	4.0	1.5	100.0	0.0	100.0
601.5	81.5	.4	3.9	1.6	100.0	0.0	100.0
602.0	78.5	.7	3.7	1.7	100.0	0.0	100.0
602.5	80.2	.5	3.6	1.5	100.0	0.0	100.0
603.0	82.1	.4	3.5	1.5	100.0	0.0	100.0
603.5	85.0	.1	3.4	1.5	100.0	0.0	100.0
604.0	85.9	0.0	3.4	1.4	100.0	0.0	100.0
604.5	87.7	0.0	3.3	1.5	100.0	0.0	100.0
605.0	89.1	0.0	3.3	1.4	100.0	0.0	100.0
605.5	90.5	0.0	3.3	1.4	100.0	0.0	100.0
606.0	90.5	0.0	3.2	1.4	100.0	0.0	100.0
606.5	91.1	0.0	3.2	1.4	100.0	0.0	100.0
607.0	91.6	0.0	3.1	1.4	100.0	0.0	100.0
607.5	93.4	0.0	2.9	1.4	100.0	0.0	100.0
608.0	95.2	0.0	2.8	1.4	100.0	0.0	100.0
608.5	97.2	0.0	2.7	1.3	100.0	0.0	100.0
609.0	98.4	0.0	2.7	1.3	100.0	0.0	100.0
609.5	98.9	0.0	2.7	1.3	100.0	0.0	100.0
610.0	96.8	0.0	2.9	1.2	100.0	0.0	100.0
610.5	87.1	1.4	3.2	1.3	100.0	0.0	100.0
611.0	65.2	4.2	3.6	1.7	100.0	0.0	100.0
611.5	60.7	2.5	3.7	3.4	100.0	0.0	100.0
612.0	72.2	.7	3.7	3.9	100.0	0.0	100.0
612.5	78.2	1.2	3.9	3.0	100.0	0.0	100.0
613.0	84.9	1.6	3.8	1.9	100.0	0.0	100.0
613.5	88.8	.7	3.1	1.5	100.0	0.0	100.0
614.0	88.0	1.1	3.1	1.3	100.0	0.0	100.0
614.5	84.6	2.3	3.0	1.3	100.0	0.0	100.0
615.0	80.3	3.5	3.2	1.3	100.0	0.0	100.0
615.5	76.4	4.3	3.4	1.5	100.0	0.0	100.0
616.0	76.1	4.2	3.6	1.7	100.0	0.0	100.0
616.5	75.5	4.4	3.7	2.3	100.0	0.0	100.0
617.0	75.1	4.5	3.8	1.7	100.0	0.0	100.0
617.5	70.6	4.5	3.8	2.1	100.0	0.0	100.0
618.0	70.9	4.4	3.9	2.8	100.0	0.0	100.0
618.5	76.3	3.7	4.1	2.3	100.0	0.0	100.0
619.0	79.7	3.8	4.3	1.7	100.0	0.0	100.0
619.5	75.9	8.2	4.7	2.1	100.0	0.0	100.0
620.0	70.8	13.9	4.8	2.8	97.2	2.8	97.2
620.5	66.7	18.2	4.9	3.0	72.3	27.7	72.3
621.0	63.5	20.8	4.8	1.9	63.2	36.8	63.2
621.5	61.1	21.5	4.7	1.5	61.6	38.4	61.6
622.0	61.4	21.5	4.8	2.0	61.2	38.3	61.2
622.5	61.6	22.0	4.7	2.2	76.2	23.8	60.0
623.0	60.1	23.0	4.2	2.6	67.2	32.8	60.3
623.5	58.4	24.3	3.7	3.1	60.7	39.3	60.7
624.0	56.7	25.2	3.4	2.7	61.4	38.6	61.4
624.5	56.0	25.8	3.2	2.4	62.4	37.6	61.6

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DEPTH	GR	POR	RT	RXD	SXD	RDS	SW
625.0	55.2	26.6	2.9	2.3	61.9	38.1	61.9
625.5	54.3	27.1	2.8	1.9	65.3	34.7	62.3
626.0	54.9	26.8	2.6	1.7	69.6	30.4	65.4
626.5	57.6	26.4	2.4	1.8	69.4	30.6	68.6
627.0	58.1	26.2	2.3	1.8	70.8	29.2	70.8
627.5	59.5	25.7	2.3	1.7	73.3	26.7	73.2
628.0	61.5	25.0	2.4	1.9	73.9	26.1	73.9
628.5	64.1	24.5	2.5	2.0	73.3	26.2	73.8
629.0	66.3	22.5	2.6	1.7	79.1	20.9	79.1
629.5	69.4	20.3	2.7	1.6	85.8	14.2	85.8
630.0	71.0	19.1	2.9	1.7	88.9	11.1	88.9
630.5	69.0	21.5	3.1	1.6	75.5	24.5	75.5
631.0	64.3	24.0	3.4	1.6	64.6	35.4	64.6
631.5	62.3	24.7	3.6	1.8	75.4	24.6	60.8
632.0	62.6	25.3	3.8	2.1	67.1	32.9	57.5
632.5	64.9	25.4	3.9	2.3	63.9	36.1	56.9
633.0	67.1	25.3	3.9	2.6	60.7	39.3	57.1
633.5	67.1	25.2	3.9	2.8	59.0	41.0	57.3
634.0	69.5	23.1	3.8	2.6	67.2	32.8	63.6
634.5	73.6	19.4	3.7	2.3	77.6	22.4	77.6
635.0	75.6	16.8	3.6	2.3	91.4	8.6	91.4
635.5	76.1	15.9	3.5	2.3	98.4	1.6	98.4
636.0	76.0	15.6	3.5	2.1	100.0	0.0	100.0
636.5	73.8	17.5	3.5	1.8	89.1	10.9	89.1
637.0	70.1	20.8	3.5	1.8	74.2	25.8	74.2
637.5	70.7	20.8	3.5	2.0	74.2	25.8	74.2
638.0	71.6	20.7	3.5	2.1	74.4	25.6	74.4
638.5	77.3	16.0	3.4	2.1	99.5	.5	99.5
639.0	85.4	7.2	3.3	2.1	100.0	0.0	100.0
639.5	90.7	.3	3.2	2.0	100.0	0.0	100.0
640.0	94.9	0.0	3.2	1.9	100.0	0.0	100.0
640.5	97.7	0.0	3.2	1.7	100.0	0.0	100.0
641.0	94.7	0.0	3.1	1.8	100.0	0.0	100.0
641.5	91.1	0.0	3.1	2.0	100.0	0.0	100.0
642.0	91.5	0.0	3.1	1.9	100.0	0.0	100.0
642.5	93.0	0.0	3.1	1.6	100.0	0.0	100.0
643.0	94.4	0.0	3.1	1.4	100.0	0.0	100.0
643.5	94.7	0.0	3.1	1.3	100.0	0.0	100.0
644.0	94.4	0.0	3.1	1.4	100.0	0.0	100.0
644.5	93.9	0.0	3.1	1.4	100.0	0.0	100.0
645.0	93.6	0.0	3.0	1.3	100.0	0.0	100.0
645.5	93.6	0.0	3.0	1.4	100.0	0.0	100.0
646.0	93.4	0.0	3.0	1.4	100.0	0.0	100.0
646.5	91.1	0.0	2.9	1.5	100.0	0.0	100.0
647.0	90.7	.2	2.9	1.5	100.0	0.0	100.0
647.5	91.2	0.0	2.9	1.5	100.0	0.0	100.0
648.0	92.4	0.0	2.9	1.6	100.0	0.0	100.0
648.5	91.2	0.0	2.9	1.6	100.0	0.0	100.0
649.0	92.4	0.0	2.9	1.6	100.0	0.0	100.0
649.5	94.3	0.0	2.9	1.6	100.0	0.0	100.0

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CITIES SERVICE OIL COMPANY
CHESNEY HECBERG UNIT MP NO. 103

DEPTH	GR	POR	RT	RXD	SXD	ROS	SW
650.0	95.7	0.0	2.9	1.5	100.0	0.0	100.0
650.5	96.4	0.0	2.9	1.4	100.0	0.0	100.0
651.0	96.5	0.0	2.9	1.3	100.0	0.0	100.0
651.5	96.5	0.0	2.9	1.3	100.0	0.0	100.0
652.0	96.0	0.0	2.9	1.4	100.0	0.0	100.0
652.5	94.6	0.0	2.9	1.4	100.0	0.0	100.0
653.0	93.3	0.0	2.9	1.5	100.0	0.0	100.0
653.5	93.0	0.0	2.9	1.5	100.0	0.0	100.0
654.0	92.5	0.0	2.9	1.5	100.0	0.0	100.0
654.5	93.3	0.0	2.8	1.5	100.0	0.0	100.0
655.0	94.1	0.0	2.8	1.6	100.0	0.0	100.0
655.5	94.1	0.0	2.7	1.6	100.0	0.0	100.0
656.0	93.3	0.0	2.6	1.6	100.0	0.0	100.0
656.5	92.6	0.0	2.6	1.6	100.0	0.0	100.0
657.0	92.4	0.0	2.5	1.5	100.0	0.0	100.0
657.5	92.5	0.0	2.5	1.4	100.0	0.0	100.0
658.0	94.1	0.0	2.6	1.4	100.0	0.0	100.0
658.5	95.1	0.0	2.8	1.4	100.0	0.0	100.0
659.0	95.7	0.0	3.0	1.3	100.0	0.0	100.0
659.5	96.0	0.0	3.2	1.2	100.0	0.0	100.0
660.0	96.4	0.0	3.4	1.2	100.0	0.0	100.0
660.5	96.6	0.0	3.6	1.2	100.0	0.0	100.0

LOG FORM NO. 61411-20

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