

21-25S-5E

COMPANY CITIES SERVICE OIL C
WELL HEGBERG M-P #25

FOR THE INTERVAL 30. TO 624.

SDEP=	30.00	EDEP=	624.00	GMIN=	-15.00	GMAX=	110.00
DSH =	2.62	NSH =	30.00	A =	0.62	M =	2.15
RW =	0.11	RSH =	5.00	SIRR=	40.00	BFT =	70.00
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 =	80.00	XXXX=	0.	PMAX=	28.00	SRHM=	0.50
N =	2.00	RMF =	0.13	GRAD=	1.00	SWOP=	3.00
CALM=	15.00						

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CITIES SERVICE OIL COMPANY
HEGBERG MP NO. 25

DEPTH	PERM. INDEX MD	WATER SAT.	POROSITY %	DENSITY HYDROCARBON GM/CC	CLAY %	CUM. POR. FEET	CUM. HYCARB FEET
30.0	0	100	6.0	1.0	35	10.41	.00
31.0	0	100	6.3	1.0	34	10.47	.00
32.0	0	100	6.9	1.0	29	10.54	.00
33.0	0	100	6.6	1.0	37	10.61	.00
34.0	0	100	6.0	1.0	43	10.67	.00
35.0	0	100	6.0	1.0	47	10.73	.00
36.0	0	100	6.4	1.0	43	10.79	.00
37.0	1	100	7.8	1.0	39	10.87	.00
38.0	1	100	3.3	1.0	40	10.95	.00
95.0	1	100	3.7	1.0	50	11.52	.00
93.0	1	100	7.5	1.0	40	11.75	.00
99.0	1	100	9.0	1.0	24	11.84	.00
100.0	2	100	9.9	1.0	24	11.93	.00
101.0	3	100	10.7	1.0	26	12.04	.00
102.0	2	100	10.1	1.0	28	12.14	.00
103.0	1	100	7.8	1.0	37	12.22	.00
104.0	0	100	5.4	1.0	49	12.28	.00
105.0	0	100	4.8	1.0	48	12.32	.00
106.0	0	100	4.0	1.0	45	12.36	.00
107.0	0	100	5.3	1.0	37	12.42	.00
108.0	0	100	6.0	1.0	33	12.48	.00
109.0	0	100	6.3	1.0	36	12.54	.00
110.0	0	100	6.3	1.0	39	12.60	.00
111.0	0	100	5.7	1.0	40	12.66	.00
112.0	0	100	5.1	1.0	39	12.71	.00
113.0	0	100	4.8	1.0	39	12.76	.00
114.0	0	100	5.2	1.0	35	12.81	.00
115.0	0	100	5.8	1.0	31	12.87	.00
116.0	0	100	6.3	1.0	24	12.93	.00
117.0	1	100	7.2	1.0	15	13.00	.00
118.0	2	100	10.1	1.0	18	13.10	.00
119.0	3	100	10.9	1.0	43	13.21	.00
120.0	3	100	10.8	1.0	31	13.32	.00
121.0	3	100	10.5	1.0	30	13.43	.00
122.0	3	100	10.7	1.0	29	13.53	.00
123.0	3	100	10.7	1.0	21	13.64	.00
124.0	2	100	9.7	1.0	42	13.74	.00
127.0	1	100	9.2	1.0	46	13.99	.00
128.0	2	100	10.0	1.0	40	14.09	.00
129.0	1	100	9.0	1.0	45	14.13	.00
131.0	1	100	3.6	1.0	39	14.34	.00
132.0	3	100	10.5	1.0	25	14.45	.00
133.0	4	100	11.6	1.0	19	14.56	.00
134.0	2	100	9.3	1.0	20	14.66	.00
135.0	1	100	7.4	1.0	26	14.74	.00
136.0	2	100	9.5	1.0	20	14.83	.00

OWLL

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HEGBERG MP NO. 25

DEPTH	PERM. INDEX MD	WATER SAT. %	POROSITY %	DENSITY HYDROCARBON GM/CC	CLAY %	CUM. PJR. FEET	CUM. HYCARB FEET
137.0	4	100	11.4	1.0	11	14.94	.00
138.0	3	100	10.6	1.0	12	15.05	.00
139.0	2	100	10.2	1.0	12	15.15	.00
140.0	2	100	10.0	1.0	12	15.25	.00
141.0	1	100	8.2	1.0	22	15.33	.00
142.0	0	100	7.1	1.0	33	15.41	.00
143.0	1	100	7.2	1.0	29	15.48	.00
144.0	1	100	3.0	1.0	18	15.56	.00
145.0	2	100	10.3	1.0	18	15.66	.00
146.0	3	100	10.4	1.0	28	15.76	.00
147.0	5	100	11.8	1.0	20	15.88	.00
148.0	6	100	12.4	1.0	13	16.01	.00
149.0	11	100	14.5	1.0	5	16.15	.00
150.0	60	100	21.3	1.0	5	16.37	.00
151.0	54	100	20.9	1.0	12	16.57	.00
152.0	45	100	20.0	1.0	15	16.77	.00
153.0	51	100	20.6	1.0	14	16.93	.00
154.0	55	100	20.9	1.0	13	17.19	.00
155.0	59	100	21.3	1.0	13	17.40	.00
156.0	61	100	21.5	1.0	11	17.62	.00
157.0	50	100	20.5	1.0	9	17.82	.00
158.0	39	100	19.4	1.0	7	18.01	.00
159.0	33	100	18.7	1.0	7	18.20	.00
160.0	8	100	13.5	1.0	14	18.34	.00
161.0	2	100	10.4	1.0	13	18.44	.00
162.0	1	100	8.7	1.0	18	18.53	.00
163.0	0	100	6.7	1.0	27	18.59	.00
164.0	0	100	6.3	1.0	24	18.66	.00
165.0	0	100	7.0	1.0	13	18.73	.00
166.0	1	100	7.7	1.0	16	18.80	.00
167.0	1	100	7.2	1.0	25	18.88	.00
168.0	0	100	7.2	1.0	35	18.95	.00
169.0	1	100	7.3	1.0	35	19.02	.00
170.0	1	100	8.0	1.0	42	19.10	.00
178.0	3	100	10.6	1.0	50	19.86	.00
181.0	1	100	9.2	1.0	45	20.13	.00
182.0	2	100	9.3	1.0	38	20.23	.00
183.0	1	100	8.3	1.0	24	20.31	.00
184.0	0	100	5.5	1.0	19	20.37	.00
185.0	0	100	4.0	1.0	15	20.41	.00
186.0	0	100	4.6	1.0	14	20.45	.00
187.0	0	100	5.0	1.0	13	20.50	.00
188.0	0	100	5.3	1.0	13	20.56	.00
189.0	0	100	6.6	1.0	11	20.62	.00
190.0	1	100	7.2	1.0	16	20.69	.00
191.0	0	100	5.5	1.0	25	20.75	.00
192.0	0	100	5.9	1.0	30	20.81	.00
193.0	0	100	6.1	1.0	33	20.87	.00

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HEGBERG MP NO. 25

DEPTH	PERM. INDEX MD	WATER SAT. %	POROSITY %	DENSITY HYDROCARBON G/CC	CLAY %	CUM. PER. FEET	CUM. HYCARB FEET
194.0	0	100	6.2	1.0	34	20.93	.00
195.0	0	100	5.9	1.0	34	20.99	.00
196.0	0	100	6.4	1.0	29	21.05	.00
197.0	0	100	5.2	1.0	21	21.11	.00
198.0	0	100	5.7	1.0	23	21.16	.00
199.0	0	100	6.3	1.0	21	21.23	.00
200.0	0	100	6.9	1.0	16	21.30	.00
201.0	1	100	7.2	1.0	19	21.37	.00
202.0	1	100	7.9	1.0	15	21.45	.00
203.0	1	100	8.4	1.0	15	21.53	.00
204.0	1	100	8.6	1.0	25	21.62	.00
205.0	1	100	7.9	1.0	37	21.70	.00
206.0	0	100	6.7	1.0	44	21.76	.00
207.0	0	100	7.2	1.0	35	21.83	.00
208.0	0	100	6.5	1.0	44	21.90	.00
209.0	1	100	7.7	1.0	30	21.93	.00
210.0	2	100	9.6	1.0	17	22.07	.00
211.0	1	100	8.7	1.0	45	22.16	.00
216.0	1	100	8.8	1.0	39	22.56	.00
217.0	2	100	10.0	1.0	33	22.66	.00
218.0	2	100	9.7	1.0	31	22.76	.00
219.0	1	100	9.1	1.0	31	22.85	.00
220.0	1	100	7.3	1.0	33	22.92	.00
221.0	0	100	4.4	1.0	36	22.97	.00
222.0	0	100	4.6	1.0	28	23.01	.00
223.0	0	100	5.5	1.0	22	23.07	.00
224.0	0	100	5.6	1.0	21	23.12	.00
225.0	0	100	5.7	1.0	22	23.18	.00
226.0	0	100	5.6	1.0	27	23.24	.00
227.0	0	100	4.7	1.0	43	23.23	.00
228.0	0	100	5.3	1.0	43	23.34	.00
229.0	0	100	5.8	1.0	39	23.39	.00
230.0	0	100	5.9	1.0	49	23.45	.00
233.0	0	100	5.9	1.0	45	23.62	.00
234.0	0	100	4.6	1.0	46	23.67	.00
235.0	1	100	7.3	1.0	22	23.74	.00
236.0	0	100	6.1	1.0	15	23.80	.00
237.0	1	100	7.7	1.0	8	23.83	.00
238.0	1	100	7.9	1.0	7	23.95	.00
239.0	1	100	7.8	1.0	20	24.03	.00
240.0	0	100	7.0	1.0	37	24.10	.00
249.0	0	100	6.1	1.0	49	24.66	.00
252.0	0	100	6.2	1.0	45	24.84	.00
253.0	0	100	5.1	1.0	45	24.89	.00
254.0	0	100	6.0	1.0	34	24.95	.00
255.0	0	100	6.9	1.0	18	25.02	.00

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 HEGBERG MP NO. 25

DEPTH	PERM. INDEX AD	WATER SAT. %	POROSITY %	DENSITY HYDROCARBON GM/CC	CLAY %	CUM. P.D. FEET	CUM. HYCARB FEET
256.0	1	100	7.3	1.0	18	25.10	.00
257.0	0	100	5.2	1.0	35	25.15	.00
258.0	0	100	5.0	1.0	35	25.20	.00
259.0	0	100	4.8	1.0	40	25.25	.00
260.0	0	100	4.5	1.0	44	25.29	.00
261.0	0	100	4.9	1.0	43	25.34	.00
262.0	0	100	5.0	1.0	45	25.39	.00
263.0	0	100	5.3	1.0	48	25.44	.00
265.0	0	100	6.2	1.0	49	25.56	.00
266.0	1	100	7.2	1.0	35	25.63	.00
267.0	0	100	4.8	1.0	23	25.68	.00
268.0	1	100	8.2	1.0	10	25.77	.00
269.0	1	100	7.5	1.0	17	25.84	.00
270.0	0	100	4.3	1.0	42	25.88	.00
275.0	0	100	3.6	1.0	43	26.02	.00
276.0	0	100	4.0	1.0	34	26.06	.00
277.0	0	100	4.7	1.0	25	26.11	.00
278.0	0	100	5.6	1.0	21	26.17	.00
279.0	0	100	6.2	1.0	26	26.23	.00
280.0	0	100	6.6	1.0	33	26.29	.00
281.0	0	100	5.9	1.0	44	26.35	.00
282.0	0	100	4.9	1.0	47	26.40	.00
283.0	0	100	6.4	1.0	35	26.47	.00
284.0	0	100	6.2	1.0	26	26.53	.00
285.0	0	100	5.4	1.0	13	26.58	.00
286.0	0	100	6.1	1.0	14	26.64	.00
287.0	0	100	6.9	1.0	18	26.71	.00
288.0	0	100	5.9	1.0	29	26.77	.00
289.0	0	100	4.9	1.0	44	26.82	.00
294.0	0	100	3.8	1.0	45	26.97	.00
295.0	0	100	3.8	1.0	43	27.01	.00
296.0	0	100	3.8	1.0	42	27.05	.00
297.0	0	100	4.1	1.0	41	27.09	.00
298.0	0	100	4.7	1.0	34	27.14	.00
299.0	0	100	5.8	1.0	25	27.20	.00
300.0	0	100	6.7	1.0	22	27.26	.00
301.0	1	100	7.3	1.0	20	27.34	.00
302.0	1	100	8.2	1.0	16	27.42	.00
303.0	1	100	8.8	1.0	15	27.51	.00
304.0	2	100	10.1	1.0	15	27.61	.00
305.0	2	100	10.0	1.0	23	27.71	.00
306.0	1	100	8.9	1.0	25	27.80	.00
307.0	1	100	8.5	1.0	23	27.88	.00
308.0	1	100	8.0	1.0	22	27.96	.00
309.0	0	100	5.5	1.0	27	28.02	.00
310.0	0	100	3.8	1.0	42	28.05	.00
311.0	0	100	3.3	1.0	40	28.09	.00

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HEGBERG MP NO. 25

DEPTH	PERM. INDEX MD	WATER SAT. %	POROSITY %	DENSITY HYDROCARBON GM/CC	CLAY %	COU. POR. FEET	COU. HYDRO FEET
312.0	0	100	4.5	1.0	34	28.14	.00
313.0	0	100	5.7	1.0	37	28.19	.00
314.0	0	100	6.3	1.0	33	28.23	.00
315.0	0	100	6.4	1.0	39	28.32	.00
316.0	0	100	5.7	1.0	42	28.33	.00
317.0	0	100	4.7	1.0	48	28.42	.00
320.0	0	100	4.3	1.0	45	28.52	.00
321.0	0	100	6.4	1.0	26	28.59	.00
322.0	1	100	9.1	1.0	22	28.63	.00
323.0	1	100	3.2	1.0	35	28.75	.00
324.0	1	100	7.4	1.0	35	28.83	.00
325.0	1	100	7.3	1.0	25	28.91	.00
326.0	0	100	4.6	1.0	20	28.95	.00
327.0	0	100	2.9	1.0	16	28.99	.00
328.0	0	100	2.6	1.0	16	29.01	.00
329.0	0	100	2.2	1.0	16	29.04	.00
330.0	0	100	2.1	1.0	17	29.06	.00
331.0	0	100	2.1	1.0	22	29.06	.00
332.0	0	100	2.3	1.0	21	29.10	.00
333.0	0	100	2.8	1.0	17	29.13	.00
334.0	0	100	3.7	1.0	14	29.16	.00
335.0	0	100	3.9	1.0	14	29.20	.00
336.0	0	100	3.4	1.0	17	29.24	.00
337.0	0	100	3.6	1.0	14	29.27	.00
338.0	0	100	3.9	1.0	14	29.31	.00
339.0	0	100	4.6	1.0	12	29.35	.00
340.0	0	100	5.2	1.0	12	29.41	.00
341.0	0	100	5.1	1.0	14	29.46	.00
342.0	0	100	5.3	1.0	13	29.51	.00
343.0	0	100	6.8	1.0	11	29.53	.00
344.0	0	100	7.2	1.0	11	29.65	.00
345.0	0	100	6.2	1.0	12	29.72	.00
346.0	0	100	5.5	1.0	13	29.77	.00
347.0	0	100	4.5	1.0	27	29.82	.00
348.0	0	100	4.6	1.0	46	29.85	.00
353.0	1	100	8.6	1.0	46	30.15	.00
354.0	6	100	12.6	1.0	32	30.23	.00
355.0	9	100	13.7	1.0	25	30.42	.00
356.0	11	100	14.7	1.0	20	30.55	.00
357.0	3	100	13.4	1.0	13	30.70	.00
358.0	3	100	10.7	1.0	20	30.80	.00
359.0	3	100	11.0	1.0	19	30.91	.00
360.0	1	100	9.1	1.0	20	31.00	.00
361.0	0	100	4.2	1.0	20	31.05	.00
362.0	0	100	2.4	1.0	17	31.07	.00
363.0	0	100	3.5	1.0	13	31.10	.00
364.0	0	100	5.5	1.0	22	31.15	.00
365.0	0	100	6.2	1.0	33	31.22	.00

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DEPTH	PERM. INDEX	WATER SAT. %	POROSITY %	DENSITY HYDROCARBON G/CC	CLAY %	CUM. PJA. FEET	CUM. HYCARB FEET
366.0	0	100	5.0	1.0	46	31.27	.00
375.0	0	100	4.5	1.0	47	31.59	.00
376.0	0	100	3.8	1.0	30	31.63	.00
377.0	0	100	3.9	1.0	24	31.67	.00
378.0	0	100	3.5	1.0	27	31.71	.00
379.0	0	100	4.5	1.0	23	31.75	.00
380.0	0	100	4.6	1.0	25	31.80	.00
381.0	0	100	4.5	1.0	32	31.84	.00
382.0	0	100	5.0	1.0	35	31.89	.00
383.0	0	100	5.5	1.0	34	31.95	.00
384.0	0	100	6.0	1.0	45	32.01	.00
390.0	2	100	10.2	1.0	44	32.43	.00
391.0	3	100	11.0	1.0	36	32.54	.00
392.0	4	100	11.8	1.0	30	32.65	.00
393.0	4	100	11.6	1.0	27	32.77	.00
394.0	2	100	9.4	1.0	26	32.86	.00
395.0	0	100	5.2	1.0	31	32.92	.00
396.0	0	100	5.5	1.0	22	32.97	.00
397.0	0	100	5.9	1.0	16	33.03	.00
398.0	0	100	6.5	1.0	22	33.10	.00
399.0	1	100	7.5	1.0	27	33.17	.00
400.0	0	100	7.0	1.0	27	33.24	.00
401.0	1	100	7.7	1.0	25	33.32	.00
402.0	1	100	7.4	1.0	26	33.39	.00
403.0	0	100	5.3	1.0	40	33.45	.00
404.0	0	100	4.2	1.0	42	33.49	.00
405.0	0	100	4.1	1.0	37	33.53	.00
406.0	0	100	4.3	1.0	20	33.57	.00
407.0	0	100	4.9	1.0	19	33.62	.00
408.0	0	100	5.3	1.0	16	33.68	.00
409.0	1	100	7.6	1.0	12	33.75	.00
410.0	1	100	7.9	1.0	12	33.83	.00
411.0	1	100	7.3	1.0	16	33.91	.00
412.0	0	100	7.1	1.0	20	33.95	.00
413.0	1	100	7.5	1.0	26	34.05	.00
414.0	1	100	8.1	1.0	44	34.13	.00
415.0	3	100	11.0	1.0	49	34.24	.00
416.0	9	100	14.0	1.0	35	34.36	.00
417.0	4	100	11.5	1.0	35	34.50	.00
418.0	1	100	7.9	1.0	37	34.58	.00
419.0	0	100	5.1	1.0	33	34.63	.00
420.0	0	100	4.0	1.0	35	34.67	.00
421.0	0	100	3.9	1.0	34	34.71	.00
422.0	0	100	4.0	1.0	33	34.75	.00
423.0	0	100	4.3	1.0	31	34.79	.00
424.0	0	100	5.1	1.0	27	34.84	.00
425.0	0	100	5.9	1.0	23	34.90	.00
426.0	0	100	6.6	1.0	23	34.97	.00

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CITIES SERVICE OIL COMPANY
HEGBERG MP NO. 25

DEPTH	PERM. INDEX	WATER SAT.	POROSITY %	DENSITY HYDROCARBON G/CC	CLAY %	COAL. P.R. FEET	COAL. HYDRA FEET
427.0	0	100	6.3	1.0	23	35.03	.00
428.0	0	100	5.0	1.0	25	35.05	.00
429.0	0	100	4.2	1.0	25	35.12	.00
430.0	0	100	4.3	1.0	25	35.17	.00
431.0	0	100	4.6	1.0	17	35.22	.00
432.0	0	100	5.6	1.0	21	35.27	.00
433.0	0	100	5.9	1.0	30	35.33	.00
434.0	0	100	6.0	1.0	34	35.39	.00
435.0	0	100	6.4	1.0	32	35.45	.00
436.0	0	100	6.5	1.0	31	35.52	.00
437.0	0	100	7.1	1.0	26	35.59	.00
438.0	1	100	8.1	1.0	19	35.67	.00
439.0	6	100	12.5	1.0	26	35.80	.00
440.0	22	100	17.0	1.0	30	35.97	.00
441.0	58	100	21.2	1.0	26	36.13	.00
442.0	110	100	24.5	1.0	24	36.42	.00
443.0	93	100	23.8	1.0	23	35.85	.00
444.0	13	100	16.2	1.0	24	36.82	.00
445.0	4	100	11.4	1.0	25	36.94	.00
446.0	0	100	6.1	1.0	29	37.00	.00
447.0	0	100	4.1	1.0	33	37.04	.00
448.0	0	100	3.7	1.0	38	37.08	.00
449.0	0	100	4.5	1.0	32	37.12	.00
450.0	0	100	4.3	1.0	32	37.17	.00
451.0	0	100	4.5	1.0	36	37.21	.00
452.0	0	100	4.3	1.0	33	37.26	.00
453.0	0	100	4.0	1.0	31	37.30	.00
454.0	0	100	3.7	1.0	32	37.33	.00
455.0	0	100	3.8	1.0	27	37.37	.00
456.0	0	100	4.5	1.0	22	37.42	.00
457.0	0	100	5.4	1.0	15	37.47	.00
458.0	0	100	5.7	1.0	11	37.53	.00
459.0	0	100	6.2	1.0	6	37.59	.00
460.0	0	100	5.6	1.0	17	37.65	.00
461.0	0	100	4.7	1.0	35	37.69	.00
462.0	0	100	4.5	1.0	45	37.74	.00
463.0	0	100	4.6	1.0	43	37.79	.00
464.0	0	100	4.6	1.0	45	37.85	.00
465.0	0	100	5.6	1.0	33	37.89	.00
466.0	0	100	6.1	1.0	24	37.95	.00
467.0	0	100	5.7	1.0	27	38.01	.00
468.0	0	100	5.1	1.0	31	38.06	.00
469.0	0	100	4.6	1.0	37	38.11	.00
470.0	0	100	4.3	1.0	41	38.15	.00
471.0	0	100	4.6	1.0	33	38.19	.00
472.0	0	100	4.0	1.0	31	38.23	.00
473.0	0	100	2.0	1.0	31	38.25	.00
474.0	0	100	2.5	1.0	22	38.29	.00
475.0	0	100	3.5	1.0	15	38.32	.00
476.0	0	100	5.3	1.0	24	38.37	.00

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CITIES SERVICE OIL COMPANY
HEGBERG MP NO. 25

78
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DEPTH	PERM. INDEX MD	WATER SAT.	POISSON'S R	DENSITY HYDROCARBON G./CC	CLAY %	GR. PER. FEET	COAL THICKS FEET
477.0	0	100	3.0	1.0	34	38.43	.00
480.0	0	100	2.8	1.0	43	38.51	.00
481.0	0	100	3.5	1.0	32	38.54	.00
482.0	0	100	4.0	1.0	25	38.55	.00
483.0	0	100	4.7	1.0	9	38.63	.00
484.0	0	100	3.8	1.0	25	38.67	.00
485.0	0	100	2.4	1.0	49	38.69	.00
488.0	0	100	3.3	1.0	37	38.76	.00
489.0	0	100	4.6	1.0	25	38.81	.00
490.0	0	100	4.4	1.0	30	38.85	.00
491.0	0	100	5.1	1.0	35	38.90	.00
492.0	2	100	9.6	1.0	33	39.00	.00
493.0	1	100	7.7	1.0	39	39.03	.00
494.0	0	100	7.0	1.0	47	39.15	.00
496.0	1	100	7.3	1.0	43	39.23	.00
498.0	1	100	7.5	1.0	47	39.44	.00
499.0	1	100	7.8	1.0	43	39.51	.00
500.0	1	100	7.4	1.0	47	39.59	.00
501.0	1	100	7.5	1.0	47	39.55	.00
507.0	0	100	4.8	1.0	44	39.94	.00
508.0	0	100	6.2	1.0	27	40.01	.00
509.0	0	100	6.6	1.0	33	40.07	.00
510.0	0	100	6.9	1.0	45	40.14	.00
527.0	0	100	2.4	1.0	46	40.50	.00
534.0	0	100	1.7	1.0	43	40.53	.00
535.0	0	100	3.3	1.0	31	40.61	.00
541.0	0	100	2.1	1.0	37	40.67	.00
555.0	0	100	3.0	1.0	45	41.53	.00
566.0	0	100	3.6	1.0	31	41.57	.00
567.0	0	100	4.9	1.0	34	41.62	.00
576.0	0	100	3.7	1.0	46	41.75	.00
577.0	0	100	4.6	1.0	32	41.82	.00
578.0	0	100	5.0	1.0	31	41.87	.00
579.0	0	100	4.0	1.0	39	41.91	.00
580.0	0	100	3.6	1.0	39	41.95	.00
581.0	0	100	3.7	1.0	35	41.99	.00
582.0	0	100	6.7	1.0	34	42.05	.00
583.0	1	100	3.0	1.0	49	42.13	.00
587.0	0	100	7.0	1.0	42	42.37	.00

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CITIES SERVICE OIL COMPANY
HEGBERG MP NO. 25

DEPTH	PERM. INDEX	WATER SAT.	PERMEABILITY	DENSITY HYDROCARBON G./CC	CLAY	GR. PER. PERM	GR. PERM. PERM
588.0	1	100	3.0	1.0	0	42.45	.00
589.0	0	100	3.9	1.0	40	42.51	.00
590.0	0	100	2.5	1.0	45	42.53	.00
591.0	0	100	3.3	1.0	43	42.57	.00
595.0	0	100	2.7	1.0	40	42.65	.00
597.0	0	100	1.9	1.0	35	42.67	.00
598.0	0	100	2.7	1.0	25	42.72	.00
599.0	0	100	2.9	1.0	33	42.75	.00
600.0	0	100	2.5	1.0	40	42.77	.00
601.0	0	100	2.0	1.0	47	42.80	.00
612.0	0	100	.1	1.0	40	42.94	.00
613.0	0	100	3.0	1.0	9	42.97	.00
614.0	0	100	4.9	1.0	35	43.02	.00
625.0	0	100	6.3	1.0	21	43.14	.00
626.0	0	100	6.4	1.0	14	43.20	.00
627.0	1	100	7.9	1.0	10	43.23	.00
628.0	1	100	8.6	1.0	16	43.37	.00
629.0	1	100	9.2	1.0	18	43.45	.00
630.0	1	100	3.5	1.0	20	43.54	.00
631.0	1	100	7.6	1.0	14	43.62	.00
632.0	1	100	7.7	1.0	11	43.70	.00
633.0	1	100	3.8	1.0	15	43.79	.00
634.0	2	100	9.5	1.0	24	43.86	.00
635.0	1	100	9.1	1.0	32	43.97	.00
636.0	1	100	8.0	1.0	39	44.05	.00
637.0	1	100	3.3	1.0	34	44.14	.00
638.0	1	100	3.4	1.0	42	44.22	.00
639.0	0	100	7.1	1.0	48	44.30	.00
645.0	0	100	5.6	1.0	46	44.51	.00
646.0	1	100	3.4	1.0	22	44.59	.00
647.0	1	100	3.3	1.0	16	44.65	.00
648.0	3	100	10.4	1.0	23	44.76	.00
649.0	2	100	10.1	1.0	39	44.85	.00
650.0	3	100	10.7	1.0	33	44.92	.00
651.0	4	100	11.4	1.0	23	45.10	.00
652.0	3	100	11.0	1.0	23	45.21	.00
653.0	4	100	11.2	1.0	15	45.33	.00
654.0	20	63	15.7	1.0	12	45.47	.02
655.0	31	63	21.4	1.0	10	45.71	.07
656.0	79	66	22.7	1.0	6	45.94	.13
657.0	80	67	22.0	1.0	8	46.13	.23
658.0	81	73	22.0	1.0	6	46.39	.30
659.0	75	74	22.4	1.0	5	46.62	.35
660.0	86	72	23.2	1.0	6	46.85	.42
661.0	93	55	23.7	1.0	13	47.05	.50
662.0	95	61	23.3	1.0	12	47.32	.50

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CITIES SERVICE OIL COMPANY
HEGBERG MP NO. 25

DEPTH	P.P.T. INDEX	WATER SAT.	POROSITY	DENSITY HYDROCARBON G/CC	CLAY %	CUM. PER. FEET	CUM. WATER FEET
633.0	92	62	23.5	.9	7	47.56	.59
634.0	78	63	22.6	.9	4	47.73	.73
635.0	47	73	20.2	1.0	6	47.99	.81
636.0	74	71	22.4	1.0	6	48.21	.83
637.0	92	59	23.5	.9	4	48.45	.95
638.0	105	57	24.3	.8	5	48.59	1.03
639.0	113	63	24.6	.9	7	48.93	1.11
670.0	128	66	25.3	1.0	8	49.19	1.19
671.0	90	72	23.4	1.0	13	49.42	1.26
672.0	49	33	20.4	1.0	23	49.63	1.29
673.0	39	39	19.3	1.0	27	49.62	1.31
674.0	34	94	18.7	1.0	27	50.01	1.32
675.0	14	100	15.4	1.0	33	50.16	1.32
676.0	4	100	11.4	1.0	47	50.27	1.32
677.0	3	100	11.0	1.0	48	50.33	1.32
678.0	2	100	9.8	1.0	49	50.48	1.32
680.0	2	100	10.1	1.0	43	50.67	1.32
681.0	3	100	11.1	1.0	45	50.73	1.32
693.0	0	100	6.6	1.0	41	51.67	1.32
694.0	1	100	6.5	1.0	23	51.76	1.32
695.0	1	100	9.0	1.0	19	51.85	1.32
696.0	4	100	11.3	1.0	20	51.97	1.32
697.0	5	100	12.0	1.0	30	52.09	1.32
698.0	4	100	11.7	1.0	37	52.20	1.32
699.0	2	100	10.3	1.0	42	52.31	1.32
700.0	2	100	9.6	1.0	41	52.40	1.32
701.0	1	100	9.1	1.0	36	52.49	1.32
702.0	1	100	8.8	1.0	34	52.53	1.32
703.0	2	100	9.8	1.0	35	52.63	1.32
704.0	2	100	10.0	1.0	40	52.73	1.32
705.0	2	100	9.6	1.0	43	52.87	1.32
706.0	1	100	8.5	1.0	49	52.96	1.32
710.0	2	100	9.8	1.0	48	53.29	1.32
711.0	2	100	10.2	1.0	45	53.39	1.32
712.0	1	100	9.1	1.0	44	53.43	1.32
713.0	1	100	8.5	1.0	46	53.57	1.32
718.0	1	100	7.6	1.0	46	53.92	1.32
719.0	1	100	7.4	1.0	42	53.99	1.32
720.0	1	100	7.3	1.0	35	54.07	1.32
721.0	1	100	7.7	1.0	46	54.15	1.32
724.0	2	100	9.4	1.0	46	54.44	1.32
725.0	2	100	9.3	1.0	42	54.53	1.32
726.0	2	100	10.3	1.0	37	54.64	1.32
727.0	2	100	9.5	1.0	40	54.73	1.32
728.0	2	100	9.9	1.0	39	54.83	1.32

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CITIES SERVICE OIL COMPANY
HEGBERG MP NO. 25

DEPTH	PERM. INDEX	WATER SAT.	PEROSITY	DENSITY HYDROCARBON	CLAY	CON. PER. FEET	CON. HYDROB FEET
729.0	3	100	10.6	1.0	37	54.74	1.32
735.0	4	100	11.5	1.0	35	55.65	1.32

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	GR	PDR	WT	AKJ	SMS	RDS	SH
540.	113.9	1.0	1.9	2.0	100.0	0.	100.0
541.	110.3	2.1	1.9	2.2	100.0	0.	100.0
542.	101.1	4.6	2.0	2.2	100.0	0.	100.0
543.	93.4	4.7	2.0	2.0	100.0	0.	100.0
544.	97.4	4.7	2.1	2.0	100.0	0.	100.0
545.	95.3	6.0	2.0	2.0	100.0	0.	100.0
546.	91.6	7.7	2.0	2.0	100.0	0.	100.0
547.	91.0	7.8	1.9	1.9	100.0	0.	100.0
548.	39.3	3.1	1.0	2.2	100.0	0.	100.0
549.	38.6	7.6	7.7	1.3	100.0	0.	100.0
550.	93.0	3.3	1.5	1.7	100.0	0.	100.0
551.	116.7	0.8	1.3	2.1	100.0	0.	100.0
552.	124.4	0.8	1.2	2.6	100.0	0.	100.0
553.	127.1	0.8	1.1	1.3	100.0	0.	100.0
554.	124.4	1.0	1.1	1.5	100.0	0.	100.0
555.	114.2	0.8	1.2	1.5	100.0	0.	100.0
556.	111.1	0.8	1.3	1.4	100.0	0.	100.0
557.	105.6	1.1	1.4	1.3	100.0	0.	100.0
558.	92.9	3.5	1.7	1.3	100.0	0.	100.0
559.	39.7	3.4	2.0	1.6	100.0	0.	100.0
560.	33.3	3.5	2.1	1.6	100.0	0.	100.0
561.	91.4	3.1	2.2	1.6	100.0	0.	100.0
562.	91.2	3.0	2.6	1.5	100.0	0.	100.0
563.	90.6	2.8	3.3	1.8	100.0	0.	100.0
564.	90.4	2.7	4.6	1.7	100.0	0.	100.0
565.	35.9	3.0	4.8	2.6	100.0	0.	100.0
566.	74.5	3.6	4.4	2.2	100.0	0.	100.0
567.	77.4	4.9	3.8	10.5	100.0	0.	100.0
568.	90.2	4.3	2.9	12.5	100.0	0.	100.0
569.	105.6	1.2	2.2	3.2	100.0	0.	100.0
570.	109.5	1.0	2.1	2.2	100.0	0.	100.0
571.	111.6	0.8	2.0	2.4	100.0	0.	100.0
572.	112.7	0.8	1.9	1.9	100.0	0.	100.0
573.	110.5	0.9	2.1	2.0	100.0	0.	100.0
574.	103.1	1.1	2.5	2.0	100.0	0.	100.0
575.	99.6	2.2	3.1	1.9	100.0	0.	100.0
576.	31.3	3.7	3.6	2.1	100.0	0.	100.0
577.	67.9	4.6	4.3	2.5	100.0	0.	100.0
578.	66.4	5.0	4.3	5.3	100.0	0.	100.0
579.	73.0	4.0	4.0	4.2	100.0	0.	100.0
580.	73.7	3.6	3.4	2.6	100.0	0.	100.0
581.	72.1	3.7	3.0	2.3	100.0	0.	100.0
582.	73.7	6.7	2.7	4.0	100.0	0.	100.0
583.	30.9	3.0	2.3	5.4	100.0	0.	100.0
584.	97.1	3.5	2.0	2.6	100.0	0.	100.0
585.	93.2	5.1	1.9	1.9	100.0	0.	100.0
586.	95.3	6.0	2.0	2.0	100.0	0.	100.0
587.	93.5	7.0	2.1	1.7	100.0	0.	100.0
588.	93.5	3.0	2.5	1.9	100.0	0.	100.0
589.	91.9	5.9	2.8	1.7	100.0	0.	100.0

OWLL

COMPANY CITIES SERVICE OIL C
WELL HEGBERG M-P #25

FOR THE INTERVAL 625. TO 730.

SDEP=	30.00	EDEP=	730.00	GMIN=	30.00	GMAX=	150.00
DSH =	2.62	NSH =	-30.00	A =	0.62	M =	2.15
RW =	0.11	RSH =	5.00	SIRR=	40.00	BFT =	70.00
CALD=	9.00	GCUR=	1.00	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 =	80.00	XXXX=	0.	PMAX=	30.00	SRHM=	0.50
N =	2.00	RMF =	0.16	GRAD=	1.00	SWOP=	3.00
CALM=	15.00						

OWL.

CITIES SERVICE OIL COMPANY
HEGBERG MP NO. 25

	GR	PJR	WT	AKU	SKU	RBS	S.I
640.	129.6	6.1	2.1	2.3	100.0	0.	100.0
641.	132.3	5.4	2.0	2.2	100.0	0.	100.0
642.	141.6	2.3	1.9	2.4	100.0	0.	100.0
643.	150.8	0.8	2.1	2.5	100.0	0.	100.0
644.	152.3	0.4	2.4	2.3	100.0	0.	100.0
645.	127.5	5.6	2.3	1.8	100.0	0.	100.0
646.	103.5	3.4	3.0	6.9	100.0	0.	100.0
647.	89.3	3.6	2.9	9.5	100.0	0.	100.0
648.	93.5	10.4	-2.6	4.7	100.0	0.	100.0
649.	115.9	10.1	2.4	2.1	100.0	0.	100.0
650.	112.6	10.7	2.6	2.1	100.0	0.	100.0
651.	105.4	11.4	2.8	2.1	100.0	0.	100.0
652.	102.3	11.0	3.6	2.0	100.0	0.	100.0
653.	39.5	11.2	4.0	2.4	100.0	0.	100.0
654.	33.8	16.7	3.9	7.3	33.4	11.6	33.4
655.	35.2	21.4	3.9	5.2	72.6	27.4	67.9
656.	92.4	22.7	3.6	2.7	65.5	33.5	66.5
657.	91.5	22.3	3.3	2.3	69.3	30.7	69.3
658.	37.8	22.8	3.0	2.7	72.6	27.4	72.6
659.	39.1	22.4	3.0	3.1	74.2	25.8	74.2
660.	39.1	23.2	3.0	2.3	71.6	23.4	71.6
661.	95.3	23.7	3.5	2.5	64.6	35.4	64.6
662.	103.3	23.8	3.9	3.2	61.2	33.8	61.2
663.	97.4	23.5	3.8	4.0	74.7	25.3	61.9
664.	91.4	22.6	3.7	3.9	79.4	20.6	65.9
665.	91.4	20.2	3.5	4.9	79.5	20.5	76.1
666.	90.8	22.4	3.3	4.3	76.1	23.9	70.7
667.	95.8	23.5	3.1	3.1	69.5	30.5	69.5
668.	95.0	24.3	2.9	3.3	63.5	31.5	63.5
669.	93.5	24.6	2.9	2.9	67.6	32.4	67.6
670.	92.7	25.3	2.9	2.6	65.9	34.1	65.9
671.	97.0	23.4	2.9	3.2	71.8	23.2	71.3
672.	103.5	20.4	2.9	2.7	63.2	15.8	33.2
673.	107.3	19.3	2.8	2.9	69.4	10.6	39.4
674.	107.6	13.7	2.7	2.7	93.6	6.2	93.6
675.	113.5	15.4	2.7	2.7	100.0	0.	100.0
676.	123.5	11.4	2.6	3.1	100.0	0.	100.0
677.	123.9	11.0	2.5	2.5	100.0	0.	100.0
678.	125.8	9.3	2.4	2.4	100.0	0.	100.0
679.	129.9	8.2	2.4	2.7	100.0	0.	100.0
680.	125.6	10.1	2.3	2.5	100.0	0.	100.0
681.	122.4	11.1	2.3	2.3	100.0	0.	100.0
682.	126.1	9.3	2.3	2.4	100.0	0.	100.0
683.	129.0	8.3	2.3	2.6	100.0	0.	100.0
684.	130.4	7.4	2.4	2.5	100.0	0.	100.0
685.	131.2	6.9	2.4	2.4	100.0	0.	100.0
686.	128.3	7.7	2.4	2.3	100.0	0.	100.0
687.	127.9	7.3	2.3	2.3	100.0	0.	100.0
688.	130.1	7.0	2.2	2.3	100.0	0.	100.0
689.	127.1	7.6	2.1	2.4	100.0	0.	100.0

OWLL

CITIES SERVICE OIL COMPANY
 HEGBERG MP NO. 25

DEPTH	PERM. INDEX	WATER SAT. %	POROSITY %	DENSITY HYDROCARBON G./CC	CLAY %	COL. PERM. FEET	COL. INCHES FEET
30.0	47	100	20.2	1.0	24	.20	.00
31.0	145	100	26.1	1.0	12	.45	.00
32.0	346	100	31.8	1.0	0	.75	.00
33.0	212	100	23.4	1.0	18	1.05	.00
34.0	40	100	19.5	1.0	16	1.25	.00
35.0	17	100	16.0	1.0	13	1.42	.00
36.0	19	100	16.4	1.0	11	1.55	.00
37.0	25	100	17.6	1.0	9	1.75	.00
38.0	30	100	18.3	1.0	10	1.94	.00
39.0	44	100	19.9	1.0	8	2.14	.00
40.0	57	100	21.1	1.0	10	2.35	.00
41.0	72	100	22.2	1.0	9	2.57	.00
42.0	72	100	22.3	1.0	7	2.80	.00
43.0	67	100	21.9	1.0	11	3.02	.00
44.0	63	100	22.0	1.0	14	3.24	.00
45.0	79	100	22.8	1.0	13	3.45	.00
46.0	89	100	23.3	1.0	12	3.70	.00
47.0	88	100	23.3	1.0	9	3.93	.00
48.0	84	100	23.1	1.0	9	4.15	.00
49.0	86	100	23.2	1.0	16	4.39	.00
50.0	78	100	22.6	1.0	13	4.62	.00
51.0	72	100	22.3	1.0	13	4.84	.00
52.0	73	100	22.3	1.0	8	5.06	.00
53.0	76	100	22.5	1.0	8	5.29	.00
54.0	73	100	22.6	1.0	8	5.52	.00
55.0	73	100	22.3	1.0	10	5.74	.00
56.0	69	100	22.0	1.0	12	5.96	.00
57.0	70	100	22.1	1.0	9	6.18	.00
58.0	75	100	22.5	1.0	12	6.40	.00
59.0	83	100	23.3	1.0	10	6.64	.00
60.0	103	100	24.1	1.0	8	6.88	.00
61.0	116	100	24.8	1.0	11	7.13	.00
62.0	117	100	24.8	1.0	9	7.37	.00
63.0	92	100	23.5	1.0	10	7.61	.00
64.0	65	100	21.7	1.0	15	7.83	.00
65.0	61	100	21.4	1.0	13	8.04	.00
66.0	53	100	20.8	1.0	12	8.25	.00
67.0	49	100	20.4	1.0	11	8.45	.00
68.0	48	100	20.3	1.0	9	8.65	.00
69.0	49	100	20.4	1.0	9	8.85	.00
70.0	51	100	20.6	1.0	6	9.07	.00
71.0	53	100	20.8	1.0	4	9.27	.00
72.0	48	100	20.3	1.0	4	9.45	.00
73.0	32	100	18.5	1.0	11	9.65	.00
74.0	23	100	17.1	1.0	15	9.83	.00
75.0	16	100	15.7	1.0	20	9.99	.00
76.0	4	100	11.3	1.0	26	10.10	.00
77.0	1	100	8.0	1.0	30	10.15	.00
78.0	1	100	7.8	1.0	29	10.25	.00
79.0	1	100	8.0	1.0	29	10.34	.00

OWLL

CITIES SERVICE OIL COMPANY
HEGBERG MP NO. 25

	GR	POR	WT	RKJ	SXJ	RDS	S.I
690.	130.4	6.7	2.0	2.3	100.0	0.	100.0
691.	128.1	7.1	2.1	2.2	100.0	0.	100.0
692.	127.0	6.9	2.2	2.3	100.0	0.	100.0
693.	125.2	6.6	2.5	2.1	100.0	0.	100.0
694.	108.4	5.5	2.9	11.2	100.0	0.	100.0
695.	97.0	9.0	2.9	7.4	100.0	0.	100.0
696.	96.8	11.3	2.6	2.3	100.0	0.	100.0
697.	106.8	12.0	2.3	2.7	100.0	0.	100.0
698.	113.4	11.7	2.1	2.1	100.0	0.	100.0
699.	118.3	10.3	2.1	1.7	100.0	0.	100.0
700.	117.7	9.6	2.2	1.6	100.0	0.	100.0
701.	115.6	9.1	2.2	2.8	100.0	0.	100.0
702.	113.2	8.8	2.3	2.1	100.0	0.	100.0
703.	113.4	9.8	2.3	2.1	100.0	0.	100.0
704.	116.2	10.0	2.3	2.1	100.0	0.	100.0
705.	118.4	9.6	2.2	2.5	100.0	0.	100.0
706.	123.7	8.5	2.2	2.4	100.0	0.	100.0
707.	129.3	7.4	2.2	2.3	100.0	0.	100.0
708.	128.8	7.7	2.1	2.3	100.0	0.	100.0
709.	127.3	8.3	2.1	2.7	100.0	0.	100.0
710.	123.1	9.8	2.1	2.5	100.0	0.	100.0
711.	120.3	10.2	2.1	2.6	100.0	0.	100.0
712.	119.8	9.1	2.1	2.9	100.0	0.	100.0
713.	121.2	8.5	2.1	2.7	100.0	0.	100.0
714.	127.7	6.9	2.1	2.5	100.0	0.	100.0
715.	127.4	6.8	2.1	2.5	100.0	0.	100.0
716.	128.1	6.7	2.2	2.3	100.0	0.	100.0
717.	125.6	7.1	2.4	2.1	100.0	0.	100.0
718.	123.2	7.6	2.6	2.1	100.0	0.	100.0
719.	123.5	7.4	2.9	2.1	100.0	0.	100.0
720.	125.6	7.6	2.8	7.2	100.0	0.	100.0
721.	127.1	7.7	2.7	3.3	100.0	0.	100.0
722.	126.5	9.9	2.6	2.3	100.0	0.	100.0
723.	125.1	10.0	2.6	2.0	100.0	0.	100.0
724.	125.1	9.4	2.6	2.3	100.0	0.	100.0
725.	125.5	9.3	2.6	2.6	100.0	0.	100.0
726.	123.1	10.3	2.6	2.2	100.0	0.	100.0
727.	126.8	9.5	2.6	2.1	100.0	0.	100.0
728.	125.0	9.9	2.6	2.1	100.0	0.	100.0
729.	122.1	10.6	2.6	2.0	100.0	0.	100.0
730.	119.2	11.5	2.6	2.0	100.0	0.	100.0

STARTING DEPTH?

OWLE

CITIES SERVICE OIL COMPANY
HEGBERG MP NO. 25

	GR	PR	RT	RMU	SAD	ROS	S.I
590.	79.3	2.5	3.3	2.2	100.0	0.	100.0
591.	75.5	3.3	3.4	5.7	100.0	0.	100.0
592.	90.3	2.5	3.3	5.7	100.0	0.	100.0
593.	95.0	2.1	3.0	2.1	100.0	0.	100.0
594.	97.6	1.9	3.5	3.0	100.0	0.	100.0
595.	99.5	1.7	5.3	2.0	100.0	0.	100.0
596.	34.9	2.7	6.4	2.1	100.0	0.	100.0
597.	70.8	1.9	6.9	21.7	100.0	0.	100.0
598.	56.7	2.7	7.0	30.7	100.0	0.	100.0
599.	65.1	2.9	6.2	16.6	100.0	0.	100.0
600.	72.5	2.5	5.2	5.0	100.0	0.	100.0
601.	77.9	2.3	4.8	5.1	100.0	0.	100.0
602.	34.4	2.4	4.0	4.5	100.0	0.	100.0
603.	92.9	2.1	3.5	3.8	100.0	0.	100.0
604.	95.4	2.2	2.9	3.3	100.0	0.	100.0
605.	101.1	1.5	2.7	3.3	100.0	0.	100.0
606.	111.3	1.5	2.5	3.3	100.0	0.	100.0
607.	116.7	1.3	2.3	2.4	100.0	0.	100.0
608.	120.3	0.9	2.4	2.5	100.0	0.	100.0
609.	119.7	0.6	2.6	2.7	100.0	0.	100.0
610.	113.9	0.4	3.6	2.5	100.0	0.	100.0
611.	103.3	0.3	4.1	2.5	100.0	0.	100.0
612.	35.6	0.1	3.5	2.3	100.0	0.	100.0
613.	74.2	3.8	2.9	3.0	100.0	0.	100.0
614.	36.9	4.9	2.3	73.5	100.0	0.	100.0
615.	106.0	1.3	2.0	30.0	100.0	0.	100.0
616.	124.6	0.5	1.7	1.8	100.0	0.	100.0
617.	126.9	0.4	1.5	1.8	100.0	0.	100.0
618.	124.1	0.3	1.4	2.1	100.0	0.	100.0
619.	125.9	0.2	1.4	1.7	100.0	0.	100.0
620.	125.3	0.3	1.4	1.6	100.0	0.	100.0
621.	119.5	0.3	1.5	1.6	100.0	0.	100.0
622.	113.6	0.5	1.5	1.6	100.0	0.	100.0
623.	107.5	0.5	1.8	1.7	100.0	0.	100.0
624.	107.3	0.5	2.0	1.7	100.0	0.	100.0
625.	96.1	6.8	2.1	1.6	100.0	0.	100.0
626.	36.1	6.4	2.4	2.1	100.0	0.	100.0
627.	79.4	7.9	2.6	2.7	100.0	0.	100.0
628.	35.4	8.6	2.7	13.7	100.0	0.	100.0
629.	93.1	9.2	2.3	2.1	100.0	0.	100.0
630.	96.9	3.5	3.3	2.1	100.0	0.	100.0
631.	91.5	7.6	4.3	2.0	100.0	0.	100.0
632.	36.7	7.7	5.0	2.3	100.0	0.	100.0
633.	97.5	8.8	4.7	5.7	100.0	0.	100.0
634.	105.9	9.5	4.1	3.6	100.0	0.	100.0
635.	113.2	9.1	3.4	5.4	100.0	0.	100.0
636.	120.0	8.0	3.2	2.8	100.0	0.	100.0
637.	115.6	8.8	2.7	2.3	100.0	0.	100.0
638.	121.0	8.4	2.6	2.6	100.0	0.	100.0
639.	125.6	7.1	2.3	2.5	100.0	0.	100.0

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