

SITE 7

Page 1 of ___

Test No. ___

Test Title ADDENDUM TO FET-7-79 FLOW TO 7

DATA SHEET

10/5/79

REMARKS: 1409 PUMP START AT 1. FLUSHING
TO POND AT 7 AT 1500 G.P.M. AT 1415
DOWN AT # 1

LINE PRESSURE JUST BEFORE SHUTDOWN = 30 PSI

LINE PRESSURE BEFORE STARTUP AT #1 = 12 PSI.

15:23 pump started to check pumps. Flow
reached \approx 1100 GPM - Suction \approx 60 psig still
bypassing to pond.

15:44 pumps turned off. ~~plugged~~

16:53:30 pumps on for increments. test 1000 gpm

17:22 increased flow to 1100 gpm at 1100 gpm

17:36 pumps off - plugged strainers - changed
~~to~~ out strainers

18:12:30 pumps on for rerun

18:22 pumps off plugged strainers. Removed
strainers and decided not to reinstall.

18:50 started pump at 1 for flush to pond.
1270 gpm 135 GPM

Test Title FET-7-79 STP PULSE TEST

DATA SHEET

10/5/79REMARKS: 1652 Pump "ON" 1000 GPM. L.P. = 105 psig,TEMP = 29°F, Pump Dis = 621 DF1710 = STABLE FLOW ESTABLISHED (1000 GPM) DF L.J. TAKING
bubbler & ANNUALS PRESS. DF1722: FLOW INC 1100 GPM. DF1736: Pump "OFF" STRAINERS CLOGGED @ #7. DF1800: Pump ROTATION CHECKED - READY FOR RESTART. DF1812: Pump START - 1100 GPM, L.P. 116 psi DF(1808 Pump ON - 1810 Pump OFF STRAINERS CLOGGED) DF1851 Pump "ON" LINE FLUSH TO POND #7. DF 1270-1280 GPM MAX.(1847 "ON-OFF" HI PRESS) DF1904 OPENING TO #6 POND TO ESTABLISH MAX. FLOW @ #1 WELL.22:20 PUMP OFF, STARTED RECOVERY. NA

16
2

COLLECT AT: 10 min. intervals 0-1 Hr
 20 min. intervals 1-5 Hr
 1 Hr Intervals 5-100 Hr
 4 Hr Intervals 100-500 Hr

DATA SHEET 2

RRGE-1

COLLECT BUBBLER: As rapidly as possible 0-1 Hr.
 Every 20 min. 1-5 Hr.
 1 Hr. Intervals 5-100 Hr.
 4 Hr. Intervals 100-500 Hr.

FET-7-79

DATE: 10-5-79

Fet-14-79

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TIME	INITIALS	PUMP DISCH. PRESSURE	LINE PRESSURE	ANNULUS PRESSURE	BUBBLER PRESSURE	N ₂ SUPPLY	ORIFICE DELTA-P	DOWNHOLE PUMP		PUMP AMPS	LINE TEMP.		FLOW
								PRESSURE	TEMP.		RTD	THERMO-METER	
								PSIG	PSIG		PSIG	PSIG	
PI 1 3	PI 1 31	PI 1 8	PI 1 9	PI N2		STRIP CH.		A 1 A	STRIP CH.	157	STRIP CH.		
1710	JN	116	81.5	30.4	658	¹²⁰⁰ 750	1.0	-	279	-	279	137	1000
1720	JN	-	101	30.0	633	¹²⁰⁰ 700	1.1	-	-	-	279	138.2	1000
1730	JN	-	118	30.0	588	¹²⁰⁰ 650	1.9	-	-	-	279.5	138.3	1100
1736 1740	JN	-	PUMP DOWN					PLUG STRAINER SITE #7		-			
18:12	JN		PUMP ON					FET 7-79 STEP 7-2					
18:15	JN	590	110	31.4	630	¹²⁰⁰ 400	1.6	-	-	-	276	106.6	1100
18:25	JN												
18:21	JN		PUMP DOWN					FET 7-79 STEP 7-2			PLUG STRAINERS SITE #7		
18:51	JN		PUMP ON TO SITE #7 INTO PIT TO FLUSH LINE ~ 1250 GPM										
19:04	JN		OPEN TO PIT SITE #6 TO INCREASE FLOW FROM RCP #1 TO FLUSH LINE										
19:25	JN	-	131.5	31.6	428	1200	2.6	-	-	-	279	137	1365
19:35	DF	-	129.5	31.9	421	1200	2.7	-	-	-	278.5	137.2	1348
19:45	JN	-	130.5	30.8	414	1200	2.8	-	-	-	278.5	137.7	1342
20:00	JN	140	130.0	30.3	406	1200	3.2	-	-	-	278.5	137.8	1334

DRAWDOWN AND RECOVERY

DATA SHEET 5A

BUBBLER DATA

TIME INTO TEST

READINGS

- 0 to 5 MIN.
- 5 to 60 MIN.
- 1 HR. TO 5 HR.
- 5 HR. TO 100 HR.
- 100 HR. TO 500 HR.

- QUICKLY AS POSSIBLE
- EVERY MINUTE
- EVERY 10 MINUTES
- EVERY HOUR
- EVERY 4 HOURS

Fet #14-79

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DATE	TIME	INTERVAL TIME	BUBBLER GAUGE PSIG # L9090	WELLHEAD PRESS. HEISE GAUGE PSIG Gauge # L9395	INITIALS	COMMENTS
10/5/79	14:12		760	32	LL	started pump
	14:19				LL	pump off
	14:24		872		LL	Recovery
		30 seconds	888		LL	surged
	14:25	"	892		LL	"
		"	894		LL	"
	14:26	"	896		LL	"
		"	898		LL	"
	14:27	"	900		LL	"
		"	902		LL	"
	14:28	"	902		LL	"
		"	904		LL	"
	14:33		850	28	LL	started pump
		25.5 seconds	776	29	LL	
		"	770	31	LL	
		"	756	31.5	LL	
		"	742	32	LL	
		"	720	32.5	LL	
		"	702	32.5	LL	
		"	692	33	LL	

DRAWDOWN AND RECOVERY

DATA SHEET 5A

FET-7-79

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BUBBLER DIA

POSSIBLE
 1 MINUTE
 1 HR. EVERY 10 MINUTES
 5 HR. to 100 HR. EVERY HOUR
 100 HR. TO 500 HR. EVERY 4 HOURS

Fet #14-79

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DATE	TIME	INTERVAL TIME	BUBBLER GAUGE PSIG # L 9090	WELLHEAD PRESS. HEISE GAUGE PSIG Gauge # L 9395	INITIALS	COMMENTS
10/5/79	14:36	25.5 seconds	680	33	LL	
		"	668	33	"	
		"	648	33.25	"	
		15 seconds	628	33.50	"	
		15 seconds	620	33.50	"	
		15 seconds	614	33.50	"	
	14:38		598	33.50	"	
	14:39	1 minute	572	33.50	"	
	14:40	"	552	33.50	"	
	14:41	"	546	33.25	"	
	14:42	"	522	33.25	"	
	14:43	"	510	33.25	"	
	14:44	"	500	33	"	
	14:45	"	490	33	"	
	14:46	"	482	33	"	
	14:47	"	476	32.8	"	
	14:48	"	471	32.75	"	
	14:49	"	468	32.75	"	
	14:50	"	463	32.50	"	
	14:51	"	461	32.50	"	

DRAWDOWN AND RECOVERY
DATA SHEET 5A

BUBBLER DATA

TIME INTO TEST

READINGS

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- 100 HR. TO 500 HR.

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Fet # 14-79

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DATE	TIME	INTERVAL TIME	BUBBLER GAUGE PSIG # L 9090	WELLHEAD PRESS. HEISE GAUGE PSIG Gauge # L9395	INITIALS	COMMENTS
<i>10/5/79</i>	<i>14:52</i>	<i>1 minute</i>	<i>460.5</i>	<i>32.50</i>	<i>LL</i>	
	<i>14:53:15</i>	<i>75 sec</i>	<i>468</i>	<i>32.75</i>	<i>"</i>	<i>pressure rising</i>
	<i>14:53:45</i>	<i>30 sec</i>	<i>470</i>	<i>32.75</i>	<i>"</i>	
	<i>14:54:15</i>	<i>30 sec</i>	<i>472</i>	<i>32.50</i>	<i>"</i>	
	<i>14:54:45</i>	<i>30 sec</i>	<i>472</i>	<i>32.50</i>	<i>"</i>	
	<i>14:55:15</i>	<i>30 sec</i>	<i>473</i>	<i>32.50</i>	<i>"</i>	
	<i>14:56</i>	<i>1 minute</i>	<i>472</i>	<i>32.25</i>	<i>"</i>	
	<i>14:57</i>	<i>"</i>	<i>472</i>	<i>32.25</i>	<i>"</i>	<i>pressure stabilizing</i>
	<i>14:58</i>	<i>"</i>	<i>471</i>	<i>32+</i>	<i>"</i>	
	<i>14:59</i>	<i>"</i>	<i>470</i>	<i>32</i>	<i>"</i>	
	<i>15:00</i>	<i>"</i>	<i>470</i>	<i>32</i>	<i>"</i>	
	<i>15:01</i>	<i>"</i>	<i>470</i>	<i>32</i>	<i>"</i>	
	<i>15:02</i>	<i>"</i>	<i>469</i>	<i>32-</i>	<i>"</i>	
	<i>15:03</i>	<i>"</i>	<i>468</i>	<i>32-</i>	<i>"</i>	
	<i>15:04</i>	<i>"</i>	<i>468</i>	<i>31.75</i>	<i>"</i>	
	<i>15:05</i>	<i>"</i>	<i>467</i>	<i>31.75</i>	<i>"</i>	
	<i>15:06</i>	<i>"</i>	<i>466</i>	<i>31.75</i>	<i>"</i>	
	<i>15:07</i>	<i>"</i>	<i>466</i>	<i>31.50</i>	<i>"</i>	
	<i>15:08</i>	<i>"</i>	<i>466</i>	<i>31.50</i>	<i>"</i>	
	<i>15:09</i>	<i>"</i>	<i>466</i>	<i>31.50</i>	<i>"</i>	

DRAWDOWN AND RECOVERY

DATA SHEET 5A

BUBBLER DATA

TIME INTO TEST

READINGS

- 0 to 5 MIN.
- 5 to 60 MIN.
- 1 HR. TO 5 HR.
- 5 HR. to 100 HR.
- 100 HR. TO 500 HR.

- QUICKLY AS POSSIBLE
- EVERY MINUTE
- EVERY 10 MINUTES
- EVERY HOUR
- EVERY 4 HOURS

Fet #14-79

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DATE	TIME	INTERVAL TIME	BUBBLER GAUGE PSIG # L 9090	WELLHEAD PRESS. HEISE GAUGE PSIG Gauge # L 9395	INITIALS	COMMENTS
10/5/79	15:10	1 minute	462	31.5	LL	
	15:11	"	462	31.5-	"	
	15:12	"	460	31.25	"	
	15:13	"	461	31.25	"	
	15:14	"	463	31.25	"	
	15:15	"	469	31.25	"	
	15:16	"	474	31.50	"	
	15:17	"	479	31.50	"	
	15:18	"	483	31.50	"	
	15:19	"	488	31.50	"	
	15:20	"	492	31.50	"	
	15:21	"	496	31.25	"	
	15:22	"	498	31.	"	
	15:23	"	497	31.+	"	
	15:24	"	497	31.	"	
	15:25	"	498	31	"	
	15:26	"	500	31-	"	
	15:27	"	500	30.75	"	
	15:28	"	498	30.75-	"	
	15:29	"	493	30.50-	"	

BUBBLER DATA

TIME INTO TEST

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Fet #14-79

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DATE	TIME	INTERVAL TIME	BUBBLER GAUGE PSIG # L9090	WELLHEAD PRESS. HEISE GAUGE PSIG Gauge # L9395	INITIALS	COMMENTS
10/5/79	15:30	1 minute	486	31	LL	
	15:31	"	478	31	"	
	15:32	"	472	31	"	
	15:33	"	468	31	"	
	15:34	"	464	31.+	"	
	15:35	"	457	31.25	"	
	15:36	"	451	31.25	"	
	15:37	"	452	31.25	"	
	15:38	"	453	31.+	"	
	15:48	10 minutes	416	31.+	"	pumps stopped
	15:50:15	135 seconds	594		"	purged for Recal
	15:51:10	5.5 seconds	660		"	"
	15:52:25	75 seconds	722		"	"
	15:53:35	70 seconds	758		"	"
	15:54:30	55 seconds	786		"	"
	15:55:15	45 seconds	804		"	"
	15:56:07	52 seconds	818		"	"
	15:56:55	18 seconds	838		"	"
	15:57:50	55 seconds	860		"	"
	15:58:50	60 seconds	873		"	"

DRAWDOWN AND RECOVERY

DATA SHEET 5A

BUBBLER DATA

TIME INTO TEST

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DATE	TIME	INTERVAL TIME	BUBBLER GAUGE PSIG # L 9090	WELLHEAD PRESS. HEISE GAUGE PSIG Gauge # L 9375	INITIALS	COMMENTS
10/5/79	18:54	15 sec	750	30	L.J.	pump start
			748	31.5		"
			746	31		"
			740	31.2		"
			736	31.5		"
			732	31.8		"
			728	32		"
			724	32.3		"
			722	32.3		
			720	32		
			718	32		
			716	32		
			714	31.8		
			714	31.8		
			712	31.6		
			710	31.6		
			708	31.5		
			706	31.5		
			704	31.4		
			703	31.3		

DRAWDOWN AND RECOVERY
DATA SHEET 5A

BUBBLER DATA

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- EVERY 4 HOURS

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DATE	TIME	INTERVAL TIME	BUBBLER GAUGE PSIG <i># L 9090</i>	WELLHEAD PRESS. HEISE GAUGE PSIG <i>Gauge# 9395</i>	INITIALS	COMMENTS
<i>10/5/79</i>			<i>702</i>	<i>31.2</i>	<i>L J</i>	<i>pump running</i>
			<i>701</i>	<i>31</i>		<i>"</i>
			<i>700</i>	<i>31</i>		<i>"</i>
	<i>17:02</i>	<i>1 min</i>	<i>698</i>	<i>31</i>		<i>"</i>
	<i>17:03</i>		<i>696</i>	<i>30.9</i>		<i>"</i>
	<i>17:04</i>		<i>691</i>	<i>30.8</i>		<i>"</i>
	<i>17:05</i>		<i>686</i>	<i>30.8</i>		<i>"</i>
	<i>17:06</i>		<i>676</i>	<i>30.6</i>		<i>"</i>
	<i>17:07</i>		<i>672</i>	<i>30.8</i>		<i>"</i>
	<i>17:08</i>		<i>666</i>	<i>30.5</i>		<i>"</i>
	<i>17:09</i>		<i>662</i>	<i>30.5</i>		<i>"</i>
	<i>17:10</i>		<i>658</i>	<i>30.4</i>		<i>"</i>
	<i>17:11</i>		<i>656</i>	<i>30.3</i>		<i>"</i>
	<i>17:12</i>		<i>652</i>	<i>30.3</i>		<i>"</i>
	<i>17:13</i>		<i>648</i>	<i>30.2</i>		<i>"</i>
	<i>17:14</i>		<i>642</i>	<i>30.1</i>		<i>"</i>
	<i>17:15</i>		<i>641</i>	<i>30</i>		<i>"</i>
	<i>17:16</i>		<i>639</i>	<i>30</i>		<i>"</i>
	<i>17:17</i>		<i>637</i>	<i>30</i>		<i>"</i>
	<i>17:18</i>		<i>635</i>	<i>30</i>		<i>"</i>

DRAWDOWN AND RECOVERY
DATA SHEET 5A

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BUBBLER DATA

TIME INTO TEST

READINGS

- 0 to 5 MIN.
- 5 to 60 MIN.
- 1 HR. TO 5 HR.
- 5 HR. TO 100 HR.
- 100 HR. TO 500 HR.

- QUICKLY AS POSSIBLE
- EVERY MINUTE
- EVERY 10 MINUTES
- EVERY HOUR
- EVERY 4 HOURS

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DATE	TIME	INTERVAL TIME	BUBBLER GAUGE PSIG # L 9090	WELLHEAD PRESS. HEISE GAUGE PSIG <i>Gauge L 9395</i>	INITIALS	COMMENTS
<i>10/5/79</i>	<i>17:19</i>		<i>634</i>	<i>30</i>	<i>LJ</i>	<i>pump running</i>
	<i>17:20</i>		<i>633</i>	<i>30</i>		<i>"</i>
	<i>17:21</i>		<i>632</i>	<i>29.9</i>		<i>"</i>
	<i>17:22</i>		<i>631</i>	<i>29.9</i>		<i>"</i>
	<i>17:23</i>		<i>630</i>	<i>29.9</i>		<i>"</i>
	<i>17:24</i>		<i>622</i>	<i>29.8</i>		<i>"</i>
	<i>17:25</i>		<i>616</i>	<i>30</i>		<i>"</i>
	<i>17:26</i>		<i>611</i>	<i>30</i>		<i>"</i>
	<i>17:27</i>		<i>603</i>	<i>30</i>		<i>"</i>
	<i>17:28</i>		<i>599</i>	<i>30</i>		<i>"</i>
	<i>17:29</i>		<i>592</i>	<i>30</i>		<i>"</i>
	<i>17:30</i>		<i>591</i>	<i>30</i>		<i>"</i>
	<i>17:31</i>		<i>588</i>	<i>30</i>		<i>"</i>
	<i>17:32</i>		<i>583</i>	<i>30</i>		<i>"</i>
	<i>17:33</i>		<i>580</i>	<i>30</i>		<i>"</i>
	<i>17:34</i>		<i>578</i>	<i>30</i>		<i>"</i>
	<i>17:35</i>		<i>576</i>	<i>30</i>		<i>"</i>
	<i>17:36</i>		<i>575</i>	<i>30</i>		<i>"</i>
	<i>17:37</i>		<i>573</i>	<i>30</i>		<i>"</i>
	<i>17:38</i>		<i>572</i>	<i>30</i>		<i>"</i>

BUBBLER DATA

TIME INTO TEST

READINGS

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Fet-14-79

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DATE	TIME	INTERVAL TIME	# L9090 BUBBLER GAUGE PSIG	WELLHEAD PRESS. HEISE GAUGE PSIG	INITIALS	COMMENTS
10/5/79	17:33	15 Sec	590	31	LJ	Recovery
			596	31.5	}	"
			602	31.5		"
			612	32		"
	17:40		618	32.3		"
			626	32.6		"
			630	32.9		"
			640	33.4		"
	17:41		646	33.5		"
			650	33.9		"
			656	34.1		"
			662	34.5		"
	17:42		668	34.7		"
			672	35.1		"
			678	35.5		"
			782	36.6		"
	17:43		686	37.6	"	
			890	40	"	
			698	43	"	
			700	56	"	

Recovery Gauge L9395

DRAWDOWN AND RECOVERY
DATA SHEET 5A

BUBBLER DATA

TIME INTO TEST

READINGS

0 to 5 MIN.
5 to 60 MIN.
1 HR. TO 5 HR.
5 HR. to 100 HR.
100 HR. TO 500 HR.

QUICKLY AS POSSIBLE
EVERY MINUTE
EVERY 10 MINUTES
EVERY HOUR
EVERY 4 HOURS

Fet-14-79

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DATE	TIME	RECOVERY		WELLHEAD PRESS.	INITIALS	COMMENTS
		INTERVAL TIME	BUBBLER GAUGE PSIG	HEISE GAUGE PSIG		
			# 29090	# 29395		
10/5/79	17:44	15 SEC	706	90	LJ	Recovery
			710	92.5		"
			716	80.6		"
			720	90		"
	17:45		722	96.4		"
			724	100		"
			726	103		"
			728	105.1		"
	17:46		730	108.1		"
	17:46:30	20 seconds	731	110.7		"
	17:47	1 min	734	116.4		"
	17:48		735	117.5		"
	17:49		738	120.7		"
	17:50		739	121.3		"
	17:51		740	124.4		"
	17:52		741	126.1		"
	17:53		741	127.5		"
	17:54		742	129.3		"
	17:55		742	131.3		"
	17:56		743	131.5		"

BUBBLER DATA

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DATE	TIME	INTERVAL TIME	BUBBLER GAUGE PSIG # L 9090	WELLHEAD PRESS. HEISE GAUGE PSIG # L 9395	INITIALS	COMMENTS	
<i>10/5/79</i>	<i>17:59</i>		<i>742</i>	<i>135.</i>	<i>L J</i>	<i>Recovery</i>	
	<i>18:00</i>		<i>744</i>	<i>136.4</i>			
	<i>18:01</i>		<i>746</i>	<i>137</i>			
	<i>18:02</i>		<i>746</i>	<i>137.4</i>			
	<i>18:03</i>		<i>746</i>	<i>138</i>			
	<i>18:04</i>		<i>746</i>	<i>138.5</i>			
	<i>18:05</i>		<i>746</i>	<i>139</i>			
	<i>18:06</i>		<i>746</i>	<i>139.3</i>			
	<i>18:07</i>		<i>747</i>	<i>139.8</i>			
	<i>18:10</i>	<i>STARTUP</i>	<i>742</i>	<i>42</i>			<i>pump running</i>
			<i>720</i>	<i>25</i>			
			<i>702</i>	<i>26</i>			
			<i>692</i>	<i>28</i>			
			<i>684</i>	<i>28.5</i>			
	<i>18:12</i>	<i>shutdown</i>	<i>680</i>	<i>29.</i>			
	<i>18:14</i>	<i>Start up</i>	<i>746</i>	<i>62</i>			
		<i>24 min</i>	<i>738</i>	<i>32</i>			
		<i>"</i>	<i>714</i>	<i>27</i>			
		<i>"</i>	<i>700</i>	<i>28</i>			

DRAWDOWN AND RECOVERY
DATA SHEET 5A

BUBBLER DATA

TIME INTO TEST

READINGS

- 0 to 5 MIN.
- 5 to 60 MIN.
- 1 HR. TO 5 HR.
- 5 HR. to 100 HR.
- 100 HR. TO 500 HR.

- QUICKLY AS POSSIBLE
- EVERY MINUTE
- EVERY 10 MINUTES
- EVERY HOUR
- EVERY 4 HOURS

Fet-14-79

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DATE	TIME	INTERVAL TIME	BUBBLER GAUGE PSIG # <i>L 9090</i>	WELLHEAD PRESS. HEISE GAUGE PSIG # <i>L 9395</i>	INITIALS	COMMENTS
<i>10/5/79</i>		<i>24 sec</i>	<i>690</i>	<i>29</i>	<i>L J</i>	<i>pump running</i>
		"	<i>682</i>	<i>29.6</i>		
		"	<i>678</i>	<i>30</i>		
		"	<i>674</i>	<i>31.8</i>		
		"	<i>668</i>	<i>31.4</i>		
		"	<i>664</i>	<i>31.5</i>		
		"	<i>660</i>	<i>32</i>		
		"	<i>654</i>	<i>32</i>		
		"	<i>651</i>	<i>32</i>		
		"	<i>648</i>	<i>31.9</i>		
		"	<i>642</i>	<i>31.8</i>		
		"	<i>640</i>	<i>31.8</i>		
		"	<i>638</i>	<i>31.8</i>		
		"	<i>636</i>	<i>31.8</i>		
		"	<i>632</i>	<i>31.8</i>		
		"	<i>625</i>	<i>31.5</i>		
	<i>18:22</i>	<i>1 min</i>	<i>618</i>	<i>31.5</i>		
	<i>18:23</i>		<i>617</i>	<i>31.5</i>		
	<i>18:24</i>		<i>610</i>	<i>31.3</i>		
	<i>18:25</i>	<i>Shut down</i>	<i>608</i>	<i>31.2</i>		

DRAWDOWN AND RECOVERY
DATA SHEET 5A

BUBBLER DATA

TIME INTO TEST

READINGS

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- 5 HR. TO 100 HR.
- 100 HR. TO 500 HR.

- QUICKLY AS POSSIBLE
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- EVERY 10 MINUTES
- EVERY HOUR
- EVERY 4 HOURS

Fet-14-79

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DATE	TIME	INTERVAL TIME	BUBBLER GAUGE PSIG	WELLHEAD PRESS. HEISE GAUGE PSIG	INITIALS	COMMENTS
		Recovery	#L9090	L 93.95		
10/5/79	18:26		660	35	LJ	Recovery
			670	36		
			680	37.5		
			688	39.5		
			694	42		
			700	55		
			704	67		
			710	75		
			718	86		
			722	92		
			728	101		
			730	106		
			734	111.5		
			736	115.0		
			740	120		

BUBBLER DATA

TIME INTO TEST

READINGS

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Fet-14-79

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DATE	TIME	INTERVAL TIME	BUBBLER GAUGE PSIG # L9090	WELLHEAD PRESS. HEISE GAUGE PSIG # L9395	INITIALS	COMMENTS
10/5/79	18:53	15 sec	720	21.5	LD	pump running
			700	23		
			686	30		
			680	31		
	18:54		650	32		
			642	32.5		
			632	32.6		
	8		626	33		
	18:55		620	33.3		
			618	33.6		
			616	33.6		
			614	33.7		
	18:56		610	33.8		
			608	33.9		
			606	33.9		
			604	34		
	18:57		602	33.9		
			600	33.8		
			597	33.6		
			595	33.5		

BUBBLER DATA

TIME INTO TEST
 0 to 5 MIN.
 5 to 60 MIN.
 1 HR. TO 5 HR.
 5 HR. to 100 HR.
 100 HR. TO 500 HR.

READINGS
 QUICKLY AS POSSIBLE
 EVERY MINUTE
 EVERY 10 MINUTES
 EVERY HOUR
 EVERY 4 HOURS

Fet -14-79

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DATE	TIME	INTERVAL TIME	BUBBLER GAUGE PSIG # L9090	WELLHEAD PRESS. HEISE GAUGE PSIG # L9395	INITIALS	COMMENTS
10-5-79	18:59	1 min	591	33.3	LD	pump running
	19:00		586	33		
	19:01		582	32.8		
	19:02		576	32.7		
	19:03		570	32.5		
	19:04		560	32.4		
	19:05		554	32.3		
	19:06		548	32.1		
	19:07		542	32		
	19:08		535	32		
	19:09		522	32		
	19:10		512	32		
	19:11		502	32		
	19:12		494	32		
	19:13		472	32		
	19:14		465	32		
	19:15		457	32		
	19:16		451	32		
	19:17		446	32		
	19:18		444	32		

DRAWDOWN AND RECOVERY
DATA SHEET 5A

BUBBLER DATA

TIME INTO TEST
 0 to 5 MIN.
 5 to 60 MIN.
 1 HR. TO 5 HR.
 5 HR. TO 100 HR.
 100 HR. TO 500 HR.

READINGS
 QUICKLY AS POSSIBLE
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 EVERY 4 HOURS

Fet-14-79

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DATE	TIME	INTERVAL TIME	BUBBLER GAUGE PSIG # L9090	WELLHEAD PRESS. HEISE GAUGE PSIG # L9395	INITIALS	COMMENTS
10-5-79	19:19	1 min	441	31.9	29	pump running
	19:20		440	31.9		
	19:21		438	31.9		
	19:22		436	31.8		
	19:23		435	31.8		
	19:24		433	31.6		
	19:25		432	31.6		
	19:26		431	31.6		
	19:27		430	31.6		
	19:28		428	31.5		
	19:29		428	31.5		
	19:30		426	31.5		
	19:31		425	31.5		
	19:32		424	31.4		
	19:33		424	31.4		
	19:34		423	31.4		
	19:35		422	31.3		
	19:36		421	31.3		
	19:37		420	31.2		
	19:38		420	31.2		

DRAWDOWN AND RECOVERY
DATA SHEET 5A

BUBBLER DATA

TIME INTO TEST

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- 5 HR. to 100 HR.
- 100 HR. TO 500 HR.

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Fet-14-79

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DATE	TIME	INTERVAL TIME	BUBBLER GAUGE PSIG # 28090	WELLHEAD PRESS. HEISE GAUGE PSIG # L 9395	INITIALS	COMMENTS
10-5-79	20:00	30 min	412	30.6	LD	pump running
	20:30	1 hr	404	30.1	LD	}
	21:30	1 HR	395	29.6	LD	
	22:20	1 HR	390	29.5	LD	
	22:23	RECOVERY 15 seconds	395	30		
			402	30.1		}
			404	30.5		
		15 sec	422	30.8		
			428	30.9		
			438	31.1		
			446	31.4		
			457	31.6		
			468	31.8		
			474	32		
			480	32		
			486	32.2		
			492	32.2		
			500	32.4		
			506	32.5		
			510	32.6		

DRAWDOWN AND RECOVERY
DATA SHEET 5A

BUBBLER DATA

TIME INTO TEST

READINGS

- 0 to 5 MIN.
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- 1 HR. TO 5 HR.
- 5 HR. TO 100 HR.
- 100 HR. TO 500 HR.

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- EVERY 4 HOURS

Fet-14-79

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DATE	TIME	RECOVERY INTERVAL TIME	BUBBLER GAUGE PSIG # L 9090	WELLHEAD PRESS. HEISE GAUGE PSIG # L 9395	INITIALS	COMMENTS
10-5-79			518	32.6	LA	Recovery
			526	32.9		
			532	33		
			538	33.1		
	22:30	1 min	546	33.3		
	22:31		558	33.6		
	22:32		566	34.5		
	22:33		574	38		
	22:34		580	42		
	22:35		588	60.5		
	22:36		593	69		
	22:37		596	74.3		
	22:38		598	79.1		
	22:39		600	82.6		
	22:40		602	85.3		
	22:41		604	89		
	22:42		605	91		
	22:43		606	94.3		
	22:44		607	95.3		
	22:45		608	97.6		

BUBBLER DATA

TIME INTO TEST

READINGS

- 0 to 5 MIN.
- 5 to 60 MIN.
- 1 HR. TO 5 HR.
- 5 HR. TO 100 HR.
- 100 HR. TO 500 HR.

- QUICKLY AS POSSIBLE
- EVERY MINUTE
- EVERY 10 MINUTES
- EVERY HOUR
- EVERY 4 HOURS

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pg 23

DATE	TIME	RECOVERY INTERVAL TIME	BUBBLER GAUGE PSIG #	WELLHEAD PRESS. HEISE GAUGE PSIG #	INITIALS	COMMENTS
10-5-79	22:46	1 min	609	99.3	LJ	Recovery
	22:47		610	100.6		[Large vertical scribble]
	22:48		611	102.8		
	22:49		612	103.6		
	22:50		613	105.6		
	22:51		613	106.3		
	22:52		614	107.6		
	22:53		614	108.4		
	22:54		615	109.6		
	22:55		615	110.5		
	22:56		616	111.5		
	22:57		616	112		
	22:58		616	112.4		
	22:59		617	113.5		
	23:00		618	114.3		
	23:01		618	115.5		
	23:02		618	116		
	23:03		618	116.5		
	23:04		619	117		
	23:05		619	117.6		

DRAWDOWN AND RECOVERY

DATA SHEET 5A

BUBBLER DATA

TIME INTO TEST

READINGS

- 0 to 5 MIN.
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- 1 HR. TO 5 HR.
- 5 HR. TO 100 HR.
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Fet-14-79

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DATE	TIME	INTERVAL TIME	BUBBLER GAUGE PSIG #	WELLHEAD PRESS. HEISE GAUGE PSIG #	INITIALS	COMMENTS
10-5-79	23:06	1 min.	620 # 29090	118.5 # 29395	LJ	Recovery
"	23:07	"	620	119	"	
"	23:08	"	620	119.5	"	
"	23:09	"	620	120	"	
"	23:10	"	620	120.4	"	
"	23:11	"	621	120.8	"	
"	23:12	"	622	122	"	
"	23:13	"	622	122.3	"	
"	23:14	"	622	122.4	"	
"	23:15	"	622	122.5	"	
"	23:16	"	622	123	"	
"	23:17	"	622	123.2	"	
"	23:18	"	622	123.6	"	
"	23:19	"	622	124	"	
"	23:20	"	622	124.4	"	
"	23:21	"	623	124.9	"	
"	23:22	"	623	125.2	"	
"	23:23	"	624	125.6	"	
"	23:24	"	624	126	"	
"	23:25	"	624	126.4	"	

BUBBLER DATA

TIME INTO TEST

READINGS

- 0 to 5 MIN.
- 5 to 60 MIN.
- 1 HR. TO 5 HR.
- 5 HR. TO 100 HR.
- 100 HR. TO 500 HR.

- QUICKLY AS POSSIBLE
- EVERY MINUTE
- EVERY 10 MINUTES
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- EVERY 4 HOURS

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pg. 25

DATE	TIME	INTERVAL TIME	BUBBLER GAUGE PSIG #29090	WELLHEAD PRESS. HEISE GAUGE PSIG Gauge #19395	INITIALS	COMMENTS
10.5.79	23:35	10 min	625	129.6	LJ	<i>Recovery</i>
"	23:45	"	626	132	LJ	
"	23:55	"	627	134.8	LJ	
10.6.79	00:05	"	629	136	ME	
"	00:15	"	629	137.5	"	
"	00:25	"	630	138.7	"	
"	00:35	"	630	139.8	"	
"	00:45	"	630	140.7	"	
"	00:55	"	630	141.5	"	
"	1:05	"	631	142.5	"	
"	1:15	"	631	143	"	
"	1:25	"	632	143.5	"	
"	1:35	"	632	144.1	"	
"	1:45	"	632	144.6	"	
"	1:55	"	632	145	"	
"	2:05	"	632	145.5	"	
"	2:15	"	632	145.9	"	
"	2:25	"	632.8	146.3	"	
"	2:35	"	632.9	146.6	"	
"	2:45	"	633	146.9	"	

